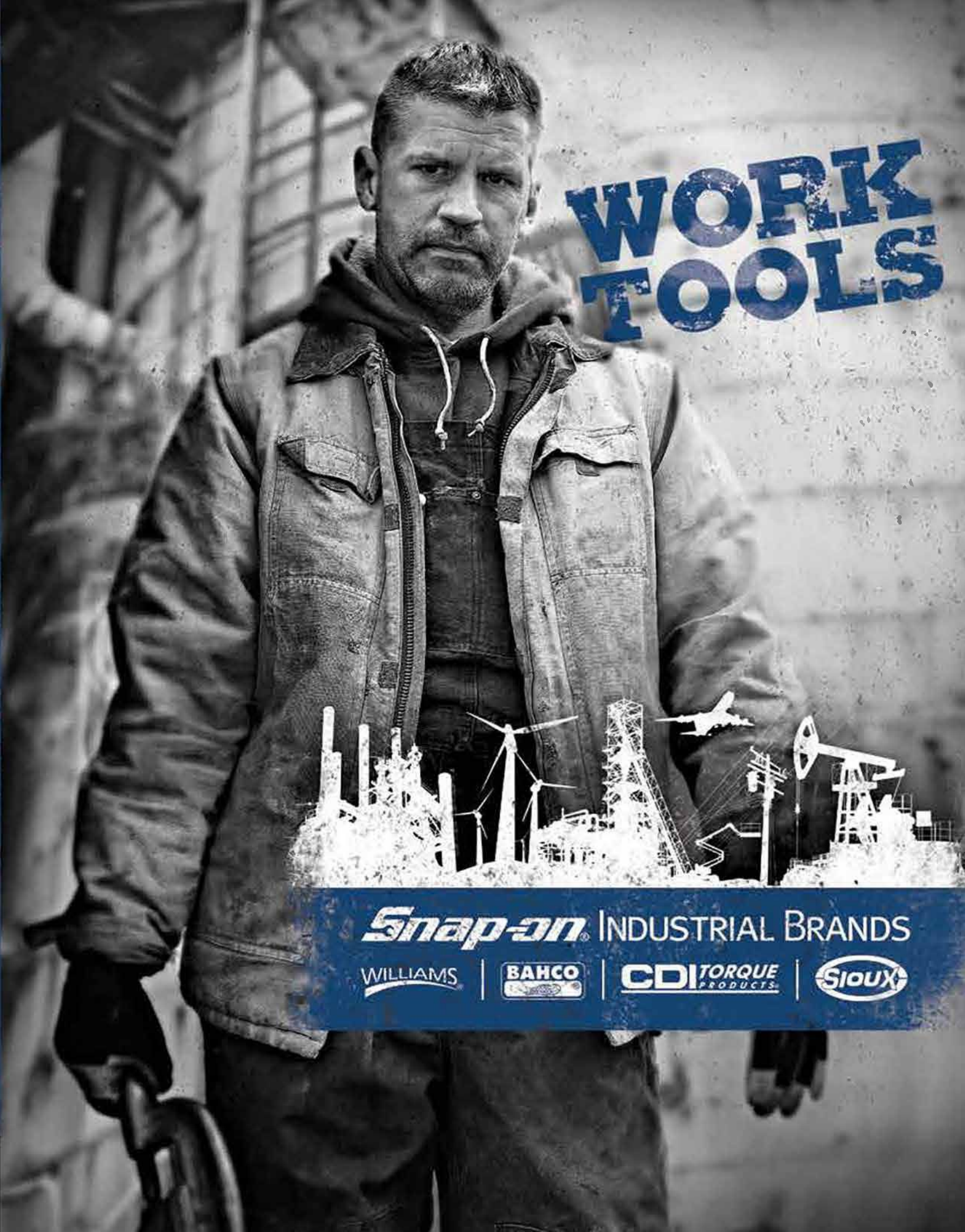

WORK
TOOLS
Snap-on INDUSTRIAL BRANDS
WILLIAMS
BAHCO
CDI TORQUE PRODUCTS
SIOUX

Snap-on INDUSTRIAL BRANDS

WILLIAMS | BAHCO | CDI TORQUE PRODUCTS | SIOUX

THE MOST VALUED PRODUCTIVITY SOLUTIONS IN THE INDUSTRY

Each of the Snap-on Industrial Brands have a UNIQUE AND POWERFUL HISTORY of earning the trust of the millions of businesses that have purchased and used our tools.

WILLIAMS

Since 1882 WILLIAMS has met the harshest challenges of the most demanding industries.

BAHCO

BAHCO, inventor of the original adjustable wrenches, ergonomics and cutting tools has delivered innovative products for 130 years.

CDI TORQUE PRODUCTS

CDI manufactures an sells more professional-grade torque products than anyone in the world. We pioneered the development of digital torque measuring instruments.

SIOUX

Starting with piston rings and spark plugs in 1914, Sioux has a long and proud heritage of innovation. In 1920's, Sioux revolutionized the tool industry by introducing some of the very first hand held power tools.

In the pages of this catalog, you will see that winning formula applied, where the sum of the trust in our products, the support we deliver, and the innovation we provide, all add up to the most valued productivity solutions in the industry and in the world.



Snap-on INDUSTRIAL BRANDS

WILLIAMS | BAHCO | CDI TORQUE PRODUCTS | SIOUX

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BEHIND EVERY GREAT PRODUCT IS AN INCREDIBLE WORKFORCE

At Snap-on Industrial Brands, we proudly salute the men and women who design, engineer and manufacture the best tools in the world.









ELIZABETHTON, TN
Wrenches, Ratchets, Prybars, Punches, and Chisels

MURPHY, NC
Cordless and Pneumatic Tools

MILWAUKEE, WI
Sockets, Extensions, Pliers, and Screwdrivers







ALGONA, IA
Tool Storage

CITY OF INDUSTRY, CA
Torque Products

ELKMONT, AL
Ratcheting Screwdrivers, Hammers, Large Sockets, and Custom Tools

Our incredible workforce is also making products in some of the best production facilities in the world, such as screwdrivers and adjustable wrenches in Spain, handsaws in Sweden, bandsaw in UK and value offer in China.

WE MAKE WORK EASIER FOR SERIOUS PROFESSIONALS PERFORMING CRITICAL TASKS. WE CELEBRATE THE DIGNITY OF YOUR WORK AND COMMIT TO YOUR SUCCESS OUR PRODUCTS, OUR PROGRAMS AND MOST IMPORTANTLY, OUR PEOPLE.

This catalog includes 10,000+ products across key product categories. Our products are engineered to withstand critical applications and meet your unique requirements. Our engineers think ahead, challenge the norms, and constantly search for new and innovative ways to do the job.





Our people are experienced, dedicated and prepared to help solve most difficult challenges. We have 400+ solutioneers around the world that can help you achieve your critical tasks.

Our programs deliver differentiated and meaningful solutions. We offer training on the safe and ergonomic use of tools, proper application of torque, lean principles and cost savings.

Snap-on THE RIGHT WAY EVERY DAY SAFETY

ENGINEERED TOOLS @ HEIGHT DROP PREVENTION SYSTEM CERTIFIED TESTED

SNAP-ON RCI RAPID CONTINUOUS IMPROVEMENT

ergo

TEST - DON'T GUESS CDI TORQUE PRODUCTS

Snap-on CUSTOM TOOLS & SOLUTIONS ENGINEERED FOR SAFETY & RELIABILITY

SAFETY IS IN OUR DNA

Non-negotiable Product and Workplace Safety





Our associates are 93% less likely to experience a safety incident today than in 2004

PRODUCTS THAT DELIVER SAFETY

Worker safety is paramount. We put extra margin of safety in to every tool we make.



SAFE PRODUCTS. AND SOUND INSTRUCTION.

Snap-on
THE RIGHT WAY EVERY DAY
SAFETY



Safety is a top priority.

That's why we offer not just the safest products in the business, but the training and instruction on how to use them properly. It provides techs with a "safety network", one that encompasses tools, topics and training on features and safe usage. Our safety programs help tool users learn about dangers involving misused, modified, and poorly maintained tools and how to determine the right tool for any and every job.

LOOKING FOR SAFETY?
Contact your Account Manager for a free Safety Seminar or call 1.800.446.7404





THERE ARE OVER 2,600 NEW PRODUCTS IN THIS CATALOG

Below are just a few examples. You will find many more in the pages to follow.



Industrial Modular Storage
Pg. 50



New Hand Carry Totes
Pg. 79



Side Nut Adustable Wrenches
Pg. 223



Crowfoot Wrenches
Pg. 293, 344



Flextensions
Pg. 313, 362



Impact Rated Hex Drivers
Pg. 322, 364



12 Pt. ¾" & 1" Drive Impact Sockets
Pg. 401, 411



BAHCOFIT Screwdrivers
Pg. 425



Mini Jacks
Pg. 538



Bahco Trade Sets
Pg. 546



Superior Holesaws
Page 568



Measuring Tools
Page 601



Wireless Borescope
Page 605



Worklights, Pick up Tools, Inspection Mirrors
Page 613



1000V Screwdriver with Slim Blade
Page 620



Non-Sparking Tools
Page 645



Power Tools
Page 659

We continue to innovate to make work **easier** and **faster**. We accomplish this by being passionate about connecting with customers and delivering engineered solutions across critical industries.

MASTER SETS

Whatever the industry, Snap-on Industrial Brands master tool sets will help you keep your equipment and assets working, while making your work faster, easier and safer.



Tools@Height Sets	14
Mammoth Tool Set	20
Mega Tool Set	22
Maxxum Tool Set	24
Maintenance Service Set	28
Oil Field Service Set	31
Heavy Maintenance Service Set	36
Specialty Tool Sets	38
General Service Sets	41
Metric Service Sets	43

Master Sets with Tools Only Product Code	WSC-409-TH	WSC-225-TH	WSC-116-TH	WSC-73-TH	WSC-45-TH	WSC-27-TH	WSC-1390	WSC-1390MM	WSC-1390SAE
Description	Tools @ Height Master Maintenance Set	Tools @ Height Intermediate Maintenance Service Set	Tools @ Height General Maintenance Service Set	Tools @ Height Basic Maintenance Service Set	Tools @ Height Starter Plus Set	Tools @ Height Starter Set	Mammoth Tool Set Only	Mammoth Tool Set with Metric Wrenches and sockets Only	Mammoth tool Set with Fractional Wrenches and Sockets Only
# of Pieces	407	225	116	73	49	27	1384	811	991
Master Sets with Tool Box Product Code	WSC-409-THTB	WSC-225-THTB	WSC-116-THTB				WSC-1390TB		
Tool Boxes for Master Sets	W40TC4	W26TC4	50950		BKT-250HLV	BKT-250HLV	W40TC4		
	W40RC7	W26RC7					W40RC7		
							W55TC10		
							W55RC11		
							50721		
							50855		
Page #	14	15	16	17	18	18	21	21	21
SAE/METRIC	SAE	SAE	SAE	SAE			Both	Metric	SAE
Chisels & Punches	24	13	7	3			27	27	27
Clamps	2						2	2	2
Electric Crimping Pliers							5	5	5
Electrical Specialty Tools									
Extractors									
Feeler Gauge									
Files					1	1	12	12	12
Gear Pullers							41	41	41
Hacksaw									
Hammers	12	7	4	2	1	1	16	16	16
Hand Sockets	128	73	27	13			417	198	219
Hex keys	24	9	1	1			85	85	85
Holesaw Sets							17	17	17
Impact Drive Tools	3						24	24	24
Impact Sockets	32	1					187	78	109
Knives							2	2	2
Miscellaneous Tools	15	14	6	5			23	23	23
Nutdrivers	7								
Pick up Tool/Mirror					1	1			
Pipe Specialty Tools									
Pipe Wrenches									
Pliers	15	10	8	5	5	5	63	63	63
Pliers- Electrical									
Pliers - Insulated									
Prybars							6	6	6
Ratchets, Drive Tools, and Accessories	25	17	10	5	12		58	58	58
Saws and Saw Blades							36	36	36
Scrapers							7	7	7
Screwdrivers	10	8	6	3	5	5	36	36	36
Screwdrivers - Insulated									
Snips							5	5	5
Tape Measure					1	1			
T- Handles									
Tools@Height ethers, Lanyards & Specialities	22	22	22	21	11	11			
Torque Wrenches							3	3	3
Utility Tools									
Wrenches	88	49	24	14	12	2	312	117	195

⚠WARNING



Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

	WSC-960	WSC-960MM	WSC-960SAE	WSC-680	WSC-680MM	WSC-680SAE	WSC-595	WSC-352	WSC-317	WSC-277	WMSC-344
	Mega tool set Only	Mega Tool Set with Metric Wrenches and Sockets Only	Mega Tool Set with Fractional Wrenches and Socket Sets	Maxxum Tool Set Only	Maxxum Tool Set with Metric Wrenches and Sockets Only	Maxxum Tool set with Fractional Wrenches and Sockets Only	Monster Tool Set	Master Maintenance Service Set	Intermediate Technician's Tool Set	Advanced Maintenance Service Set Tools Only	Petroleum Oilfield Service Set
	956	557	804	677	410	538	595	350	306	275	274
	WSC-960TB			WSC-680TB			WSC-595TB	WSC-352TB	WSC-317TB	WSC-277TB	WMSC-344TB
	W55TC10			W55TC10			W55TC10	W40TC4	W40RC7	W40TC4	W40RC7
	W55RC11			W55RC11			W55RC11	W40RC7	W40TC4	W40RC7	W40TC4
	50721			50721							
	50855										
	23	23	23	25	25	25	27	28	29	30	31
	Both	Metric	SAE	Both	Metric	SAE	Both	SAE	Both	SAE	Both
	27	27	27	27	27	27	19	19	9	17	8
	2	2	2	2	2	2		2			
	3	3	3	3	3	3					
									9		
									1		
	12	12	12	11	11	11		6	4	6	
	25	25	25								
							2				
	16	16	16	15	15	15	10	7	4	3	2
	281	85	196	192	57	126	290	116	133	100	179
	59	69	69	51	51	51	44		22		
	9	9	9	12	12	12		4		2	
	135	36	99	87	29	51		38		16	
	3	3	3	2	2	2	1				
	24	24	24	23	23	23	30	3		8	
							19				
											1
	67	67	67	45	45	45	14	15	11	12	15
	4	4	4	6	6	6	2				3
	58	58	58	46	46	46	20	28	28	24	15
	26	26	26	13	13	13		8		8	
	6	6	6	2	2	2		1			1
	38	38	38	29	29	29	21	18	8	18	8
	3	3	3	3	3	3	3	4			
							1		1		
	2	2	2	2	2	2			2		
											8
	156	53	103	106	39	67	119	81	74	61	32

Master Sets with Tools Only Product Code	WSC-281	WSC-238	WSC-231	WSC-173	WSC-172	WSC-167	WMSC-142	WSC-137
Description	Oilfield Tool Set	General Maintenance Set	Maintenance Tools Only	Intermediate Maintenance Service Tools Only	Heavy Maintenance Service Tools Only	Electrical Maintenance Service Set Tools Only	Petroleum Oilfield Service Set	Industrial Plumbing & Pipefitting Tool Set
# of Pieces	263	236	218	171	170	166	141	136
Master Sets with Tool Box Product Code	WSC-281TB	WSC-238TB	WSC-231TB	WSC-173TB	WSC-172TB	WSC-167TB	WMSC-142TB	WSC-137TB
Tool Boxes for Master Sets	W40TC4	W26RC7	50871	W26TC4	W40RC7	W40RC7	W40RC7	W40RC7
	W40RC7		50901	W26RC7				
Page #	32	33	34	35	36	37	38	38
SAE/METRIC	Both	Both	SAE	SAE	SAE	SAE	Both	SAE
Chisels & Punches	15	16	9	12	17			12
Clamps	2		2		2			1
Electric Crimping Pliers								
Electrical Specialty Tools						2		
Extractors								
Feeler Gauge					1			
Files			6	6				
Gear Pullers								
Hacksaw			1					
Hammers	4	2	1	1	6	3		3
Hand Sockets	94	97	89	66	55	28	65	
Hex keys	22	17						
Holesaw Sets								
Impact Drive Tools								
Impact Sockets								
Knives								
Miscellaneous Tools	10			6		9		12
Nutdrivers	7		7					
Pick up Tool/Mirror							2	
Pipe Specialty Tools	3							19
Pipe Wrenches								4
Pliers	14	10	6	5	8	8	10	8
Pliers- Electrical						12		
Pliers - Insulated						5		
Prybars	2							
Ratchets, Drive Tools, and Accessories	22	18	27	16	17	7	11	
Saws and Saw Blades				1		32		32
Scrapers	1		2					
Screwdrivers	8	21	21	15	10	14	12	9
Screwdrivers - Insulated						11		
Snips	2		3					
Tape Measure								
T- Handles							10	
Tools@Height ethers, Lanyards & Specialities								
Torque Wrenches	2							
Utility Tools								
Wrenches	55	55	44	43	54	35	31	36



Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed.
Refer to Appendix for set listings.

	WSC-130	WSC-102	MSOS-102	WSC-95	WSC-88	WSC-80	WSC-41	MSC-225	MSC-118	TRADE KITS
	Maintenance Tools Only	Basic Machine Repair Set Tools Only	Oilfield Service Set	Basic Electric Repair Set	General Industrial Repair Set	General Service Set	Basic Service Set	Metric Maintenance Service Set	Metric Heavy Equipment Service Set	BAHCO Trade Kits
	129	101	101	94	87	79	40	224	117	
	WSC-130TB	WSC-102TB	MSOS-102TB	WSC-95TB	WSC-88TB	WSC-80TB	WSC-41TB	MSC-225TB	MSC-118TB	
	50721	W26RC7	W26RC7	50721	W26RC7	50721	50721	W40RC7	W40RC7	
	39	40	40	41	41	42	42	43	44	19, 546, 547
	SAE	SAE	Both	SAE	SAE	SAE	SAE	Metric	Metric	
	1	7	8			8	3	18	7	
					1					
		1			1	1				
	2	4	1	1		1	1	6	3	
	41	38	34	22	34	24	14	120	42	
	13		13							
	10	6	5	5	4	6	3	10	4	
				4						
				4						
	21	5	9	7	7	16	5	8	12	
	21	5	8	13	8	6	3	15	10	
				10						
								1		
			4							
	20	35	19	28	32	17	11	46	39	

409 PIECE TOOLS@HEIGHT MASTER MAINTENANCE TOOL SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	17	Miscellaneous Tools	15
Combination, Box, & Open End Wrenches	71	Pliers	15
Hammers	12	Prybars, Punches & Chisels	24
Hand Sockets, Ratchets, & Accessories	155	Screwdrivers & Nut drivers	17
Hex Keys & Sockets	24	Tool Storage	2
Impact Sockets & Accessories	35	Tools@Height Tethers, Lanyards,& Specialties	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-409-THTB	Complete Tools@Height Master Maintenance Tool Set With Tool Boxes (409 Pieces Total)
WSC-409-TH	Complete Tools@Height Master Maintenance Tool Set Only 407 Pieces Total)

Tool Boxes Included

Product Code	Description
W40TC4	40" Wide x 20" Deep 4 Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The Tools@Height Master Maintenance set provides a great assortment of tools for all types of maintenance applications. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 138. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 132 through 139.

W40TC4



W40RC7



WSC-409-TH

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

W26TC4



W26RC7



225 PIECE TOOLS@HEIGHT INTERMEDIATE MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	4	Miscellaneous Tools	14
Combination, Box, & Open End Wrenches	45	Pliers	10
Hammers	7	Prybars, Punches & Chisels	13
Hand Sockets, Ratchets, & Accessories	90	Screwdrivers & Nut drivers	8
Hex Keys & Sockets	9	Tool Storage	2
Impact Sockets & Accessories	1	Tools@Height Tethers, Lanyards,& Specialties	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-225-THTB	Complete Tools@Height Intermediate Tool Set With Tool Boxes (225 Pieces Total)
WSC-225-TH	Complete Tools@Height Intermediate Tool Set Only (223 Pieces Total)

Tool Boxes Included

Product Code	Description
W26TC4	26" Wide x 20" Deep 4 Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The Tools@Height Intermediate Maintenance set provides a full complement of tools. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 138. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 132 through 139.



WSC-225-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

116 PIECE TOOLS@HEIGHT GENERAL MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	2	Pliers	8
Combination, Box, & Open End Wrenches	22	Prybars, Punches & Chisels	7
Hammers	4	Screwdrivers & Nut drivers	6
Hand Sockets, Ratchets, & Accessories	37	Tool Storage	1
Hex Keys & Sockets	1	Tools@Height Tethers, Lanyards,& Specialties	22
Miscellaneous Tools	6		

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-116-THTB	Complete Tools@Height General Service Tool Set With Tool Box (116 Pieces Total)
WSC-116-TH	Complete Tools@Height General Service Tool Set Only (115 Pieces Total)

Tool Boxes Included

Product Code	Description
50950	32" Wide x 19" Deep Job Site Box

Features

- The Tools@Height General Maintenance Service set provides a solid complement of tools. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 138. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 132 through 139.



50950






WSC-116-TH



⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

72 PIECE TOOLS@HEIGHT BASIC MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	1
Combination, Box, & Open End Wrenches	13
Hammers	2
Hand Sockets, Ratchets, & Accessories	18
Hex Keys & Sockets	1
Miscellaneous Tools	5
Pliers	5
Prybars, Punches & Chisels	3
Screwdrivers & Nut drivers	3
Tools@Height Tethers, Lanyards,& Specialties	21

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-72-TH	Complete Tools@Height Basic Maintenance Tool Set in Safe Bucket

Features

- Furnished in Safe Bucket for easy portability. Safety right out of the box.
- The Tools@Height Basic Maintenance set provides a good start to a Tools@Height tool program. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 138. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 132 through 139.



WSC-72-TH

45 PIECE TOOL@HEIGHT STARTER PLUS SET

Contains the following tools:

Product Category	Number of Pieces
Adjustable Wrenches	2
Combination Wrenches	10
File	1
Hammer	1
Hand Sockets, Ratchets & Accessories	12
Pick up Tool	1
Pliers	5
Screwdriver	5
Tape Measure	1
Tools@Height Tethers, Lanyards & Specialties	11
Grand Total	49

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-45-TH	Complete Tools@Height Starter Set in Safe Bucket

Features

- The ideal way to start a drop prevention program.
- Use where dropped tools can harm personnel, damage components, or cause down time.
- Excellent assortment of basic hand tools for most maintenance applications.
- Furnished in Safe Bucket for easy portability.



WSC-45-TH

27 PIECE TOOL@HEIGHT STARTER SET

Contains the following tools:

Product Category	Number of Pieces
Adjustable Wrenches	2
File	1
Hammer	1
Pick up Tool	1
Pliers	5
Screwdriver	5
Tape Measure	1
Tools@Height Tethers, Lanyards & Specialties	11

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-27-TH	Complete Tools@Height Starter Set in Safe Bucket

Features

Ideal for general maintenance work in the factory or job site.

- All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies.
- Includes tools and assortment of pouches and lanyards designed for use with a suitable belt.

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 138. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 132 through 139.



WSC-27-TH

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



4750FB3-12TS4



BAHCO

TRADE KITS

Bahco Trade sets provide a complete set of tools for basic maintenance, electricians, plumbers and general purpose. Each set contains tools needed to help you keep your equipment working and get your work done faster, easier and safer. Sets include tool storage necessary to organize your tools.

Product Code	Description
4750FB3-12TS4	35 Piece Large Electrician's Kit
3100TBTS4	24 Piece Plumbers Kit
4750PTB65TS4	18 Piece General Purpose Kit
4750-UP-1TS5	13 Piece Basic Maintenance Kit

Features

- Set Details on page 546 & 547.
- Sets include industry specific tools for many applications.
- All sets supplied with tool storage to help you organize your tools effectively.



4750PTB65TS4



3100TBTS4





4750-UP-1TS5



WSC–1390TB

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



Professional industrial cabinets W40RC7-W40TC4 are also included in WSC-1390TB

BAHCO WILLIAMS CDI TORQUE PRODUCTS

1,390 PIECE MAMMOTH TOOL SET

The largest tool set in the industry. Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	27
Clamps	2
Electrical Crimping Pliers	5
Files	12
Gear Pullers	41
Hammers	16
Hand Sockets	417
Hex Keys	85
Holesaw Set	17
Impact Drive Tools	24
Impact Sockets	187
Knives	2
Miscellaneous Tools	23
Pliers	63
Prybars	6
Ratchets, Drive Tools, and Accessories	58
Saws and Saw Blades	36
Scrapers	7
Screwdrivers	36
Snips	5
Tool Boxes	6
Torque Wrenches	3
Wrenches	312

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-1390TB	Complete Mammoth Tool Set with Tool Boxes (1390 Pieces Total)
WSC-1390	Mammoth Tool Set Only (1384 Pieces)
WSC-1390SAE	Mammoth Tool Set with Fractional Wrenches and Sockets Only Tools Only - 991 Pieces (Not Pictured)
WSC-1390MM	Mammoth Tool Set with Metric Wrenches and Sockets Only Tools Only - 811 Pieces (Not Pictured)

Tool Boxes Included

W40TC4	40" Wide x 20" Deep 4-Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet
W55TC10	55" Wide x 20" Deep 10-Drawer Top Chest
W55RC11	55" Wide x 20" Deep 11-Drawer Roll Cabinet
50721	3-Drawer Service Cart with Lid
50856	37" 1 Shelf Heavy Duty Tall Side Cabinet

Features

- It's better to have it and not need it than need it and not have it - and with this tool set, you're almost certain to have what you need. This set contains the tools to handle almost any job your shop is likely to see, in both fractional and metric sizes. It includes a comprehensive assortment of sockets, ratchets, and accessories in 1/4", 3/8", 1/2", and 3/4" drive, for both hand and impact use. A full complement of wrenches in a number of styles helps you tackle increasingly complex maintenance tasks. A comprehensive assortment of screwdrivers, pliers, hammers, punches and chisels, is there when you need them, and specialty items such as gear pullers, saws, scrapers, and other tools for industrial maintenance mechanics and tradesmen round out this truly Mammoth tool set.
- You'll want to keep your tools safe and secure, and our industry-leading Mammoth Tool Set includes the storage cabinets necessary to do that. Two top-chest / roll-cabinet combinations are included, as well as a side cabinet and rolling three-drawer tool cart. A total of 35 drawers and over 75,000 cubic inches of storage capacity will help you organize your tools effectively. And the mobile tool cart helps bring your tools to the job, where you need them.
- Whatever the industry, this set will help you keep your equipment and assets working, helping you compete more effectively. Get your work done faster, easier, and safer with the Mammoth Tool Set from Snap-on Industrial Brands. All other tool sets are simply ordinary.



WSC–960TB

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

960 PIECE MEGA TOOL SET

A comprehensive assortment. Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	27
Clamps	2
Electrical Crimping Pliers	3
Files	12
Gear Pullers	25
Hammers	16
Hand Sockets	281
Hex Keys	59
Impact Sockets	135
Impact Drive Tools	9
Knives	3
Miscellaneous Tools	24
Pliers	67
Prybars	4
Ratchets, Drive Tools, and Accessories	58
Saws and Saw Blades	26
Scrapers	6
Screwdrivers	38
Snips	3
Tool Boxes	4
Torque Wrenches	2
Wrenches	156

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-960TB	Complete Mega Tool Set with Tool Boxes (960 Pieces Total)
WSC-960	Mega Tool Set Only (956 Pieces)
WSC-960SAE	Mega Tool Set with Fractional Wrenches and Sockets Only Tools Only - 804 Pieces (Not Pictured)
WSC-960MM	Mega Tool Set with Metric Wrenches and Sockets Only Tools Only - 557 Pieces (Not Pictured)

Tool Boxes Included

W55TC10	55" Wide x 20" Deep 10-Drawer Top Chest
W55RC11	55" Wide x 20" Deep 11-Drawer Roll Cabinet
50721	3-Drawer Service Cart with Lid
50856	37" 1 Shelf Heavy Duty Tall Side Cabinet

Features

- The Mega Set contains a comprehensive assortment of tools, in both fractional and metric sizes. Includes an extensive assortment of sockets, ratchets, and accessories in 1/4", 3/8", 1/2", and 3/4" drive, for both hand and impact use. A full complement of wrenches in a number of styles helps you tackle increasingly complex maintenance tasks. Over 150 screwdrivers, pliers, hammers, punches and chisels, are included, and specialty items such as gear pullers, saws, scrapers, and other tools for industrial maintenance mechanics and tradesmen round out the Mega Set from Snap-on Industrial Brands.
- Mega Set includes the tool storage cabinets necessary to organize your tools. A top-chest / roll-cabinet combination is included, as well as a side cabinet and rolling three-drawer tool cart. A total of 26 drawers and over 45,000 cubic inches of storage capacity will help you store your tools effectively. The mobile tool cart helps bring your tools to the job, where you need them.
- Get your work done faster, easier, and safer with the Mega Tool Set from Snap-on Industrial Brands. All other tool sets are simply ordinary.



WSC–680TB

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

680 PIECE MAXXUM TOOL SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	27
Clamps	2
Electrical Crimping Pliers	3
Files	11
Hammers	15
Hand Sockets	192
Hex Keys	51
Impact Sockets	87
Impact Drive Tools	12
Knives	2
Miscellaneous Tools	23
Pliers	45
Prybars	6
Ratchets, Drive Tools, and Accessories	46
Saws and Saw Blades	13
Scrapers	2
Screwdrivers	29
Snips	3
Tool Boxes	3
Torque Wrenches	2
Wrenches	106

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-680TB	Complete Maxxum Tool Set with Tool Boxes (680 Pieces Total)
WSC-680	Maxxum Tool Set Only (677 Pieces)
WSC-680SAE	Maxxum Tool Set with Fractional Wrenches and Sockets Only Tools Only - 538 Pieces (Not Pictured)
WSC-680MM	Maxxum Tool Set with Metric Wrenches and Sockets Only Tools Only - 410 Pieces (Not Pictured)

Tool Boxes Included

W55TC10	55" Wide x 20" Deep 10-Drawer Top Chest
W55RC11	55" Wide x 20" Deep 11-Drawer Roll Cabinet
50721	3-Drawer Service Cart with Lid

Features

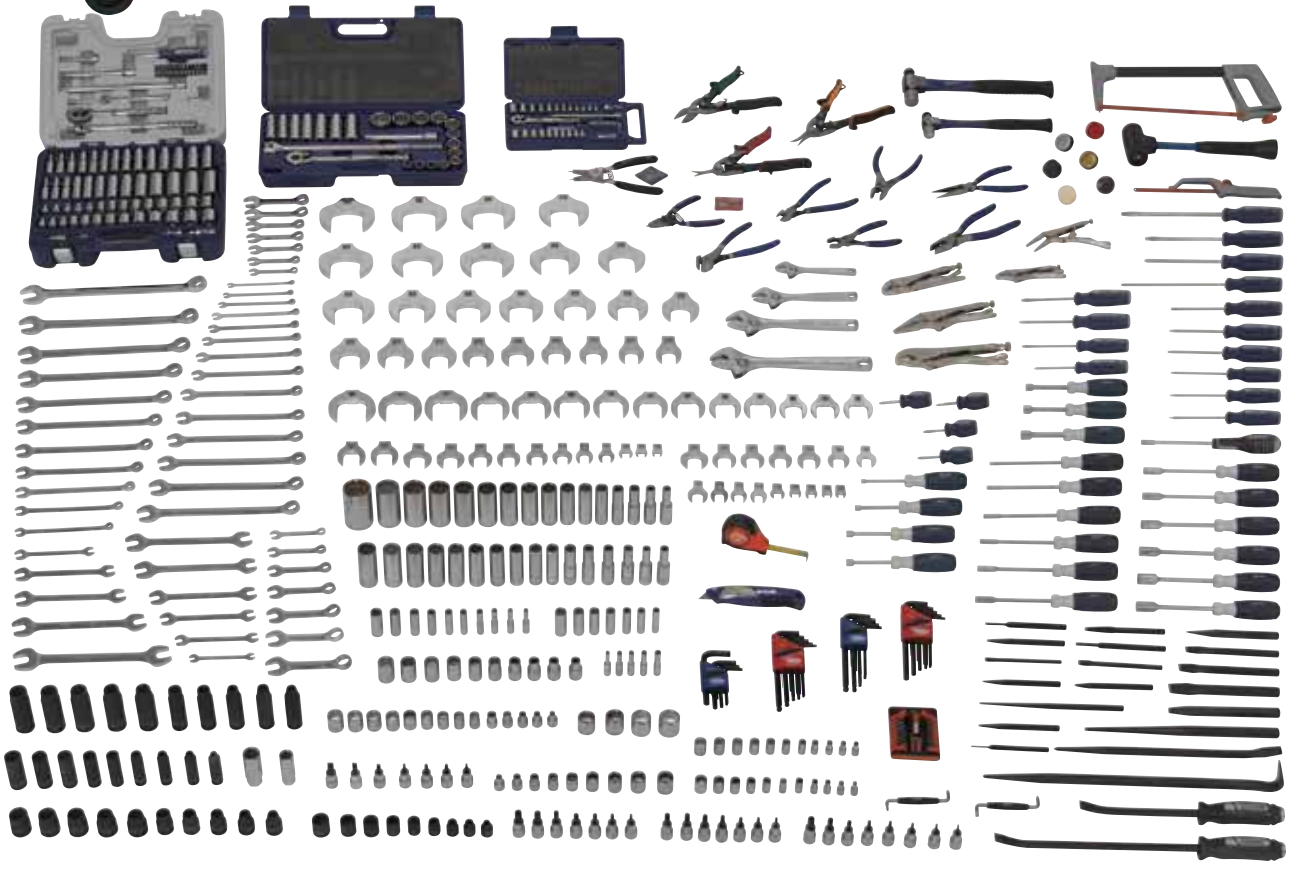
- The Maxxum Set contains a full complement of tools, in both fractional and metric sizes. It includes an assortment of sockets, ratchets, and accessories in 1/4", 3/8", and 1/2" drive, for both hand and impact use. Hand wrenches in a number of styles helps you tackle increasingly complex maintenance tasks. Over 100 screwdrivers, pliers, hammers, punches and chisels, are included, and specialty items such as saws, scrapers, and other tools for industrial maintenance mechanics and tradesmen round out the Maxxum Set from Snap-on Industrial Brands.
- Maxxum includes the tool storage cabinets necessary to organize your tools. A top-chest / roll-cabinet combination is included, as well as a rolling three-drawer tool cart. A total of 26 drawers and over 35,000 cubic inches of storage capacity will help you store your tools effectively. The mobile tool cart helps bring your tools to the job, where you need them.
- Get your work done faster, easier, and safer with the Maxxum Tool Set from Snap-on Industrial Brands. All other tool sets are simply ordinary.

MONSTER TOOL SET



W55TC10

W55RC11



WSC–595TB

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

595 PIECE MONSTER TOOL SET

Contains the following tools:

Product Category	Number of Pieces
Crowfoot Wrenches	65
Hacksaw Frame	2
Hammer	10
Hex Key	44
knives	1
Miscellaneous Tools	30
Nut drive	19
Pliers	14
Prybars	2
Punch & Chisels	19
Screwdriver	21
Snips	3
Sockets, Ratchets, Drive Tools and Accessories	310
Tape Measure	1
Wrenches	54

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSMSC-595TB	Complete Master Tool Set with Tool Boxes (597 Piece Total)
WSMSC-595	Master Tool Set Only (595 Pieces)

Tool Boxes Included

W55TC10	55" Wide x 20" Deep 10 Drawer Top Chest
W55RC11	55" Wide x 20" Deep 11 Drawer Tool Cabinet

Features

- The Monster Set contains a full complement of tools, in both fractional and metric sizes. It includes an assortment of sockets, ratchets, and accessories in 1/4", 3/8" and 1/2" drive.
- Hand wrenches in a number of styles helps you tackle increasingly complex maintenance tasks. Also included are screwdrivers, pliers, hammers, punches and chisels, are included, and specialty items such as hacksaws, tape measure, and other tools for industrial maintenance mechanics and tradesmen round out this Master set from Snap-on Industrial Brands.
- Includes the tool storage cabinets necessary to organize your tools. A top-chest /roll-cabinet combination is included.
- Get your work done faster, easier, and safer with this Master Tool Set from
- Snap-on Industrial Brands. All other tool sets are simply ordinary.

352 PIECE MASTER MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	19
Clamps	2
Files	6
Hammers	7
Hand Sockets	116
Impact Drive Tools	4
Impact Sockets	38
Miscellaneous Tools	3
Pliers	15
Ratchets, Drive Tools, and Accessories	28
Saws and Saw Blades	8
Scrapers	1
Screwdrivers	18
Snips	4
Tool Boxes	2
Wrenches	81

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-352TB	352 Piece Master Maintenance Service Set with Tool Boxes
WSC-352	Tool Set Only (350 Pieces)

Tool Boxes Included

W40TC4	40" Wide x 20" Deep 4-Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

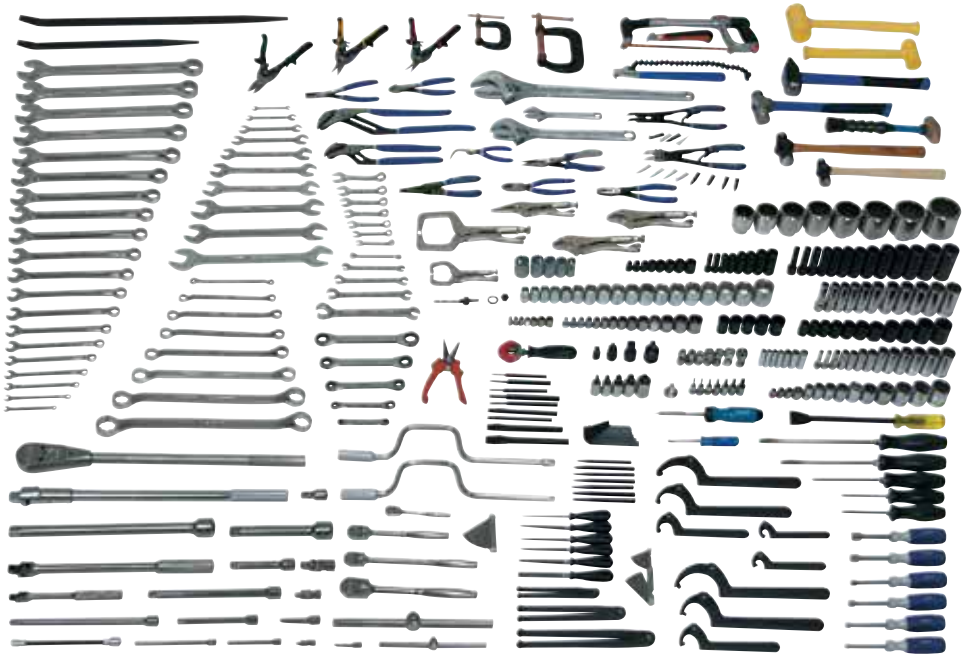
Features

- This set provides the tools necessary for most general service and repair applications. Included are a wide variety of fractional wrenches, hand and impact sockets, and popular 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as pliers, screwdrivers, hammers, punches, chisels, and other tools round out the offering.

W40TC4



W40RC7



WSC–352

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

W40TC4



W40RC7

BAHCO WILLIAMS CDI TORQUE PRODUCTS

308 PIECE INTERMEDIATE TECHNICIAN'S TOOL SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	9
Extractor	9
Feeler Gauge	1
Files	4
Hammers	4
Hex Keys	22
Pliers	11
Ratchets, Drive Tools, and Accessories	28
Screwdrivers	8
Hand Sockets	133
Tape Measure	1
Torque Wrenches	2
Wrenches	74

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-317TB	308 Piece Tool Set with Tool Boxes
WSC-317	Tool Set Only (306 Pieces)

Tool Boxes Included

W40RC7	40" 4 Drawer Professional Top Chest
W40TC4	40" 7 Drawer Professional Roll Cabinet

Features

- This set provides the tools necessary for many general service and repair applications. Included are a variety of fractional wrenches, hand and impact sockets, and 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as pliers, screwdrivers, hammers, punches, chisels, and other tools round out the offering.



WSC-317

277 PIECE ADVANCED MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	17
Files	6
Hammers	3
Hand Sockets	100
Impact Drive Tools	2
Impact Sockets	16
Miscellaneous Tools	8
Pliers	12
Ratchets, Drive Tools, and Accessories	24
Saws and Saw Blades	8
Screwdrivers	18
Tool Boxes	2
Wrenches	61

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-277TB	277 Piece Advanced Maintenance Service Set with Tool Boxes
WSC-277	Tool Set Only (275 Pieces)

Tool Boxes Included

W40TC4	40" Wide x 20" Deep 4-Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- This set provides the tools necessary for many general service and repair applications. Included are a variety of fractional wrenches, hand and impact sockets, and 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as pliers, screwdrivers, hammers, punches, chisels, and other tools round out the offering.




WSC–277

WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



BAHCO WILLIAMS

274 PIECE PETROLEUM OIL FIELD SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisels & Punch	8
Haer	2
Pipe Wrenches	1
Pliers	15
Prybar	3
Ratchets, Drive Tools & Accessories	15
Scraper	1
Screwdrivers	8
Sockets	103
Utility Tools	8
Wrenches	32

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WMSC-344TB	274 Piece Petroleum Oilfield Service Set
WMSC-344	Tool Set Only (272 Pieces)

Tool Boxes Included

W40RC7	40" 4 Drawer Professional Top Chest
W40TC4	40" 7 Drawer Professional Roll Cabinet

Features

- The set provides the tools necessary for Petroleum Oil field general service and repair applications. Included are a wide variety of chisels, punches, haers, pliers, adjustable wrenches, pipe wrenches, 3/8" and 1/2" drive sockets, ratchets and accessories. Also includes is professional utility tools and scrapers.



265 PIECE OIL FIELD TOOL SET

Contains the following tools:

Product Category	Number of Pieces
C-Clamp	2
Chain Wrench	1
Hammer	4
Hex Key	22
Miscellaneous	9
Nut Drivers	7
Pipe Wrench	2
Pliers	14
Prybar	2
Puller	1
Punch & Chisels	15
Ratchets, Drive Tools and Accessories	22
Scraper	1
Screwdrivers	8
Snips	2
Sockets	94
Torque Wrench	2
Wrenches	55

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-281TB	Complete Oilfield Tool Set with Tool Boxes (265 Piece Total)
WSC-281	Oilfield Tool set only (263 Pieces)

Tool Boxes Included

W40TC4	40" Wide x 20" Deep 4 Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The set provides the tools necessary for Oilfield general service and repair applications. Included are a wide variety of pliers, box wrenches, combination wrenches, flare wrenches, 1/4", 3/8" and 1/2" drive sockets, ratchets and accessories. Also includes is c-clamps, chain wrench and other tools.

W40TC4



W40RC7



WSC-281

⚠WARNING

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BAHCO WILLIAMS

238 PIECE GENERAL MAINTENANCE SET

Contains the following tools:

Product Category	Number of Pieces
Hammer	2
Hex Key	17
Pliers	10
Punch & Chisels	16
Ratchet, Drive Tools and Accessories	18
Screwdriver	21
Sockets	97
Wrenches	55

Note: Complete set contents are listed in Appendix A

Set Configurations Available

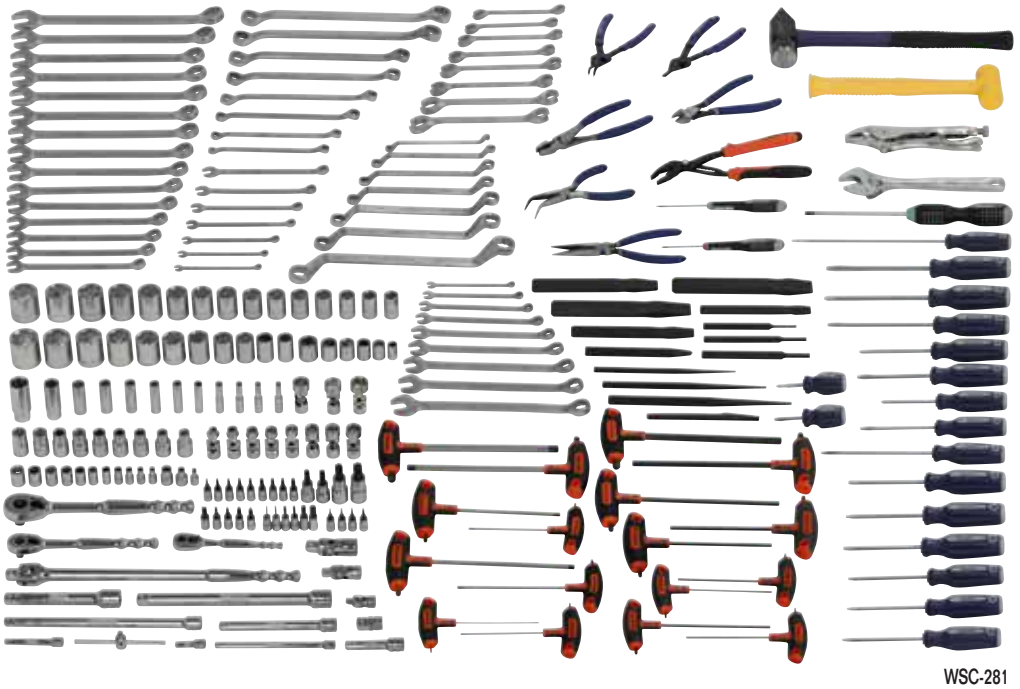
Product Code	Description
WSC-238TB	Complete General Maintenance with Tool Boxes (238 Piece Total)
WSC-238	General Maintenance Tool set only (236 Pieces)

Tool Boxes Included

W26TC4	26" Wide x 20" Deep 4 Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The set provides the tools necessary for many general service and repair applications. Included are a wide variety of pliers, box wrenches, hex keys, flare wrenches, 1/4", 3/8" and 1/2" drive sockets, ratchets and accessories. Also includes is punch, chisels, hammers and other tools.



WSC-281

220 PIECE MAINTENANCE TOOL SET

Contains the following tools:

Product Category	Number of Pieces
C-Clamps	2
Chisels & Punches	9
Hammers	1
Files	6
Hacksaws	1
Nutdrivers	7
Pliers	6
Ratchet, Drive Tools & Accessories	27
Scrapers	2
Screwdrivers & Bits	21
Snips	3
Sockets	91
Wrenches	44

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-231TB	220 Piece Maintenance Tool Set
WSC-231	Tool Set Only (218 Pieces)

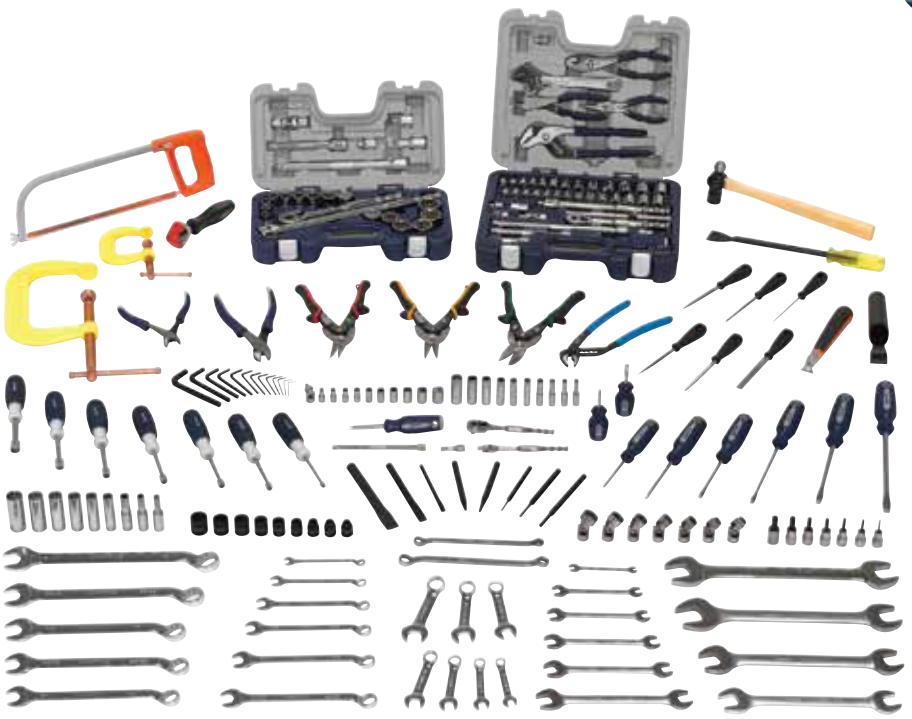
Tool Boxes Included

50871	27" 10 Drawer Heavy Duty Roller Bearing Top Chest
50901	27" 8 Drawer Heavy Duty Roller Bearing Roll Cabinet

Features

- This set provides the tools necessary for most general service and repair applications. Included are a wide variety of adjustable wrenches, locking pliers, screwdrivers, hammers and 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as punches, chisels and pliers are also included.





WSC-231

⚠WARNING

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BAHCO WILLIAMS

173 PIECE INTERMEDIATE MAINTENANCE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	12
Files	6
Hammers	1
Hand Sockets	66
Miscellaneous Tools	6
Pliers	5
Ratchets, Drive Tools, and Accessories	16
Saws and Saw Blades	1
Screwdrivers	15
Tool Boxes	2
Wrenches	43

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-173TB	173 Piece Intermediate Maintenance Service Set with Tool Boxes
WSC-173	Tool Set Only (171 Pieces)

Tool Boxes Included

W26TC4	26" Wide x 20" Deep 4-Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- This set provides the tools necessary for many general service and repair applications. Included are a variety of fractional wrenches, hand sockets, and 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as punches, chisels, and pliers is also included.



WSC–173

WILLIAMS®

171 PIECE HEAVY MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	17
Clamps	2
Feeler Gauge Set	1
Hammers	6
Hand Sockets	55
Pliers	8
Ratchets, Drive Tools, and Accessories	17
Screwdrivers	10
Tool Box	1
Wrenches	54

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-172TB	171 Piece Heavy Maintenance Service Set with Tool Box
WSC-172	Tool Set Only (170 Pieces)

Tool Box Included

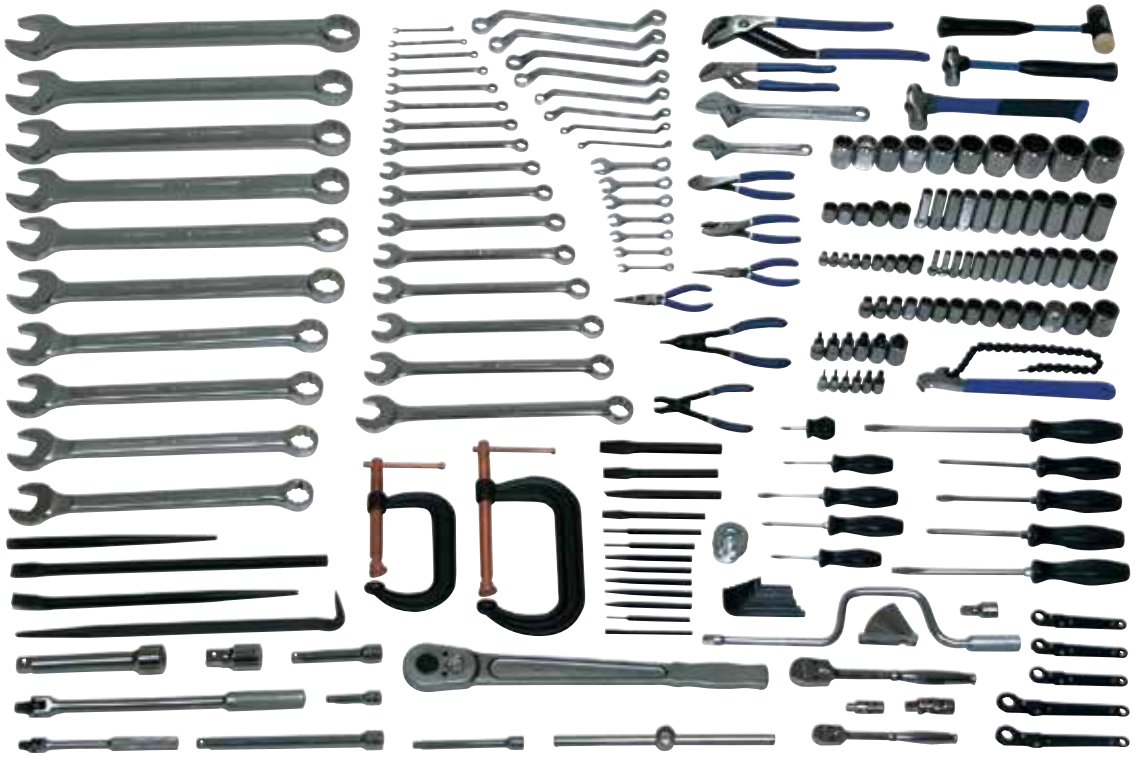
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that performs maintenance on heavy equipment, this set emphasizes larger tools, including combination wrenches up to 2" and sockets up to 1-3/4". Ratchets, drive tools, and fractional sockets in 3/8", 1/2" and 3/4" drive are included, as well as a complement of screwdrivers, pliers, chisels, punches, hammers, and other common tools. If you need a basic assortment of beefy tools, this is the set for you.



W40RC7



WSC–172

⚠WARNING

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BAHCO WILLIAMS

167 PIECE ELECTRICAL MAINTENANCE SERVICE SET



W40RC7

Contains the following tools:

Product Category	Number of Pieces
Electrical Specialty Tools	2
Hammers	3
Hand Sockets	28
Miscellaneous Tools	9
Pliers	8
Pliers - Electrical	12
Pliers - Insulated	5
Ratchets, Drive Tools, and Accessories	7
Saws and Saw Blades	32
Screwdrivers	14
Screwdrivers - Insulated	11
Tool Box	1
Wrenches	35

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-167TB	167 Piece Electrical Maintenance Service Set with Tool Box
WSC-167	Tool Set Only (166 Pieces)

Tool Box Included

W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed to satisfy electrical maintenance tool requirements, this set has both the standard hand tools and special tools needed to accomplish a wide variety of electrical maintenance and installation. Start with 1/4" and 3/8" drive sockets and accessories, hammers, and hand wrenches, and add the special items needed for electrical work:
- Insulated and non-insulated pliers and screwdrivers.
- A electrician's holesaw set and a 10-pack of assorted recip blades.
- A comprehensive assortment of electrical strippers / crimpers / cutters.
- Drywall, hacksaw, and toolbox saws.
- And a full-size roll cabinet to organize, store, and move your tool set. Unique in the industry, this set will help you get those critical electrical maintenance tasks done quickly, efficiently, professionally, and safely.



WSC–167

142 PIECE PETROLEUM OIL FIELD SERVICE SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Pick up Tool/Mirror	2	Screwdrivers	12
Pliers	10	Sockets	68
Ratchet, Drive Tools & Accessories	11	T-Handles	10
		Wrenches	31

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WMSC-142TB	142 Piece Petroleum Oilfield Service Set
WMSC-142	Tool Set Only (141 Pieces)

Tool Boxes Included

W40RC7	40" Wide x 20" Deep 7 Drawer Roll Cabinet

Features

- The set provides the tools necessary for Petroleum Oilfield general service and repair applications. Included are a wide variety of pliers, adjustable wrenches, combination wrenches, ratcheting combination wrenches, 1/4" and 3/8" drive sockets, ratchets and accessories. Also includes is professional pick up tools and mirror.



W40RC7



WMSC–142

137 PIECE INDUSTRIAL PLUMBING & PIPEFITTING TOOL SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	12
Clamps	1
Hammers	3
Miscellaneous Tools	12
Pipe Specialty Tools	19
Pliers	8
Screwdrivers	9
Tool Box	1
Wrenches	36
Pipe Wrenches	4
Saws and Blades	32

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-137TB	137 Piece Industrial Plumbing and Pipefitting Tool Set with Tool Box
WSC-137	Tool Set Only (136 Pieces)

Tool Box Included

W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- This set is geared specifically for industrial plumbers and pipefitters. It includes an assortment of basic hand tools such as wrenches, pliers, hammers, and screwdrivers. What really makes this set special is the assortment of everyday and specialized plumbing and pipefitting tools included:
- 4 pipe wrenches from 12" through 42" length handle pipe sizes through 5" OD.
- A pair of Williams' famous FJ-20 flange jacks.
- 3 sets of our unique, professional pipe nipple removal/inserting tools covering ⅛" NPT through 1-¼" NPT pipe sizes.
- Tube cutters and flaring tools.
- Ratcheting valve and flare nut wrenches.
- A toolbox saw, drywall saw, and hacksaw and blades.
- 2 utility knives and a pack of blades.
- A plumber's holesaw set and a 10-pack of assorted recip blades.
- And a full-size roll cabinet to organize, store, and move your tool set. Unique in the industry, this set will help you get those critical pipefitting and plumbing tasks done quickly, efficiently, professionally, and safely.



W40RC7



WSC–137

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



50721

WILLIAMS®

130 PIECE MAINTENANCE TOOL SET

Contains the following tools:

Product Category	Number of Pieces
Chisels & Punches	1
Hammers	2
Hex Key Set	13
Pliers	10
Ratchet, Drive Tools & Accessories	21
Screwdrivers & Bits	21
Sockets	40
Wrenches	20

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-130TB	130 Piece Maintenance Tool Set
WSC-130	Tool Set Only (129 Pieces)

Tool Boxes Included

50721	3 Drawer Service Cart with Lid

Features

- This set provides the tools necessary for most general service and repair applications. Included are a wide variety of adjustable wrenches, locking pliers, screwdrivers, hammers and 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as punches, chisels and pliers are also included.



WSC-130

WILLIAMS®

102 PIECE OILFIELD SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisels & Punch	8
Haer	1
Hex Keys	13
Pliers	5
Ratchets, Drive Tools & Accessories	9
Screwdrivers	8
Sockets	35
Utility Tools	4
Wrenches	19

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
MSOS-102TB	102 Piece Oilfield Service Set
MSOS-102	Tool Set Only (101 Pieces)

Tool Boxes Included

W26RC7	26" Wide x 20" Deep 7 Drawer Roll Cabinet

Features

- The set provides the tools necessary for Oilfield general service and repair applications. Included are a wide variety of chisels, punches, haers, pliers, wrenches 3/8" and 1/2" drive sockets, ratchets and accessories. Also includes is professional utility tools.



W26RC7



MSOS-102TB

WILLIAMS®

102 PIECE BASIC MACHINE REPAIR SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	7
Feeler Gauge Set	1
Hammers	4
Hand Sockets	38
Pliers	6
Ratchets, Drive Tools, and Accessories	5
Screwdrivers	5
Tool Box	1
Wrenches	35

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-102TB	102 Piece Basic Machine Repair Set with Tool Box
WSC-102	Tool Set Only (101 Pieces)

Tool Box Included

W26RC7	26" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that requires a basic tool set for machine repair, this set includes the popular sizes in ¼" and ½" drive sockets, an assortment of wrenches, and the most commonly used pliers, screwdrivers, and hammers.



W26RC7



WSC–102

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



50721



WSC–95



W26RC7



WSC–88

BAHCO WILLIAMS

95 PIECE BASIC ELECTRICAL REPAIR SET

Contains the following tools:

Product Category	Number of Pieces
Hammers	1
Hand Sockets	22
Pliers	5
Pliers - Electrical	4
Pliers - Insulated	4
Ratchets, Drive Tools, and Accessories	7
Screwdrivers	13
Screwdrivers - Insulated	10
Tool Box	1
Wrenches	28

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-95TB	95 Piece Electrical Repair Set with Tool Box
WSC-95	Tool Set Only (94 Pieces)

Tool Box Included

50721	3-Drawer Service Cart with Lid

Features

- Designed to satisfy electrical maintenance tool requirements, this set has both the standard hand tools and special tools needed to accomplish a wide variety of electrical maintenance and installation. Start with ¼" and ⅜" drive sockets and accessories.
- Insulated and non-insulated pliers and screwdrivers.
- A electrician's holesaw set and a 10-pack of assorted recip blades.
- A comprehensive assortment of electrical strippers / crimpers / cutters.
- Drywall, hacksaw, and toolbox saws.
- And a 3-drawer roll cart helps organize, store, and move your tool set. Unique in the industry, this set will help you get those critical electrical maintenance tasks done quickly, efficiently, professionally, and safely.

WILLIAMS

88 PIECE GENERAL INDUSTRIAL REPAIR SET

Contains the following tools:

Product Category	Number of Pieces
Clamp	1
Feeler Gauge Set	1
Hand Sockets	28
Pliers	4
Ratchets, Drive Tools, and Accessories	7
Screwdrivers	8
Tool Box	1
Wrenches	32

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-88TB	88 Piece General Industrial Repair Set with Tool Box
WSC-88	Tool Set Only (87 Pieces)

Tool Box Included

W26RC7	26" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that requires a basic industrial tool set, this set includes the popular sizes in ⅜" and ½" drive sockets, an assortment of wrenches, and the most commonly used pliers and screwdrivers.

WILLIAMS®

80 PIECE GENERAL SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	8
Feeler Gauge Set	1
Hammer	1
Hand Sockets	24
Pliers	6
Ratchets, Drive Tools, and Accessories	16
Screwdrivers	6
Tool Box	1
Wrenches	17

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-80TB	80 Piece General Service Set with Tool Box
WSC-80	Tool Set Only (79 Pieces)

Tool Box Included

50721	3-Drawer Service Cart with Lid

Features

- Designed for the shop that requires a general service set. This set includes 3/8" and 1/2" drive sockets, assortments of pliers and screwdrivers



50721



WSC–80

WILLIAMS®

41 PIECE BASIC SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	3
Hammer	1
Hand Sockets	14
Pliers	3
Ratchets, Drive Tools, and Accessories	5
Screwdrivers	3
Tool Box	1
Wrenches	11

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-41TB	41 Piece Basic Service Set with Tool Box
WSC-41	Tool Set Only (40 Pieces)

Tool Box Included

50721	3-Drawer Service Cart with Lid

Features

- Designed for the shop that requires a basic industrial tool set, this set includes the popular sizes in 3/8" drive sockets, an assortment of wrenches, and commonly used pliers and screwdrivers.



50721



WSC–41

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



W40RC7

WILLIAMS® CDI TORQUE PRODUCTS®

225 PIECE METRIC MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	18
Hammers	6
Hand Sockets	120
Pliers	10
Ratchets, Drive Tools, and Accessories	8
Screwdrivers	15
Tool Box	1
Torque Wrench	1
Wrenches	46

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
MSC-225TB	225 Piece Heavy Maintenance Service Set with Tool Box
MSC-225	Tool Set Only (224 Pieces)

Tool Box Included

W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that requires metric tools for maintenance. 1/4", 3/8" and 1/2" drive tools are included, as well as a full assortment of wrenches, pliers, screwdrivers, and other commonly used hand tools.



MSC-225

WILLIAMS®

118 PIECE METRIC HEAVY EQUIPMENT SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel, Punches, and Prybars	7
Hammers	3
Hand Sockets	42
Pliers	4
Ratchets, Drive Tools, and Accessories	12
Screwdrivers	10
Tool Box	1
Wrenches	39

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
MSC-118TB	118 Piece Metric Heavy Equipment Service Set with Tool Box
MSC-118	Tool Set Only (117 Pieces)

Tool Box Included

W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that requires metric tools for maintenance of heavy equipment. 3/8", 1/2" and 3/4" drive tools are included, as well as a basic assortment of wrenches, pliers, screwdrivers, and other commonly used hand tools.



W40RC7



MSC-118

⚠WARNING

Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

TOOL STORAGE

With incredible breadth and depth of tool storage configurations and rock solid construction, Williams leads the way. You get organization solutions that can endure even the harshest conditions. Whether you are on the move or need tools at point of use, we have a way to keep you organized.

Modular Industrial Storage	50
Keyless Tool Control	58
Visual Control Cabinet	59
Professional Series	60
Heavy Industrial Series	64
Commercial Series	68
Service Carts	74
Job Site Boxes	75
Hand Carry	77
Tools Belts and Pouches	82

WILLIAMS®

TOOL STORAGE

Series		**Professional** - Pages 58 thru 63						
Nominal Size (Inches)		 Bulk Storage Cage	 Visual Control Cabinets	 55	 55 Bulk Storage	 40	 26	
Product Codes	Chest			W55TC10		W40TC4	W26TC4	
	Roll Cabinet		WTC496SR WTC346SR WTC496SY WTC346SY	W55RC11	W55RC5BS	W40RC7	W26TRC7	
	Keyless Entry			WTC55RC11		WTC40TC7	WTC26RC7	
	Cart/Metal Peg Board		WTC496CARTR WTC496CARTY WTC496PEG WTC346PEG					
	Locker							
	Side Cabinet							
	Cage	WBSC2460C WBSC2460S						
Capacity (cu. in.)	Top Chest			21,283		9,746	6,180	
	Roll Cabinet			25,000	25,000	15,253	9,374	
	Locker							
	Side Cabinet							
Top Chest Dimensions	Overall Width, Inches			55		40	26	
	Depth, Inches			24		19	19	
	Height, Inches			28		19	19	
Roll Cabinet Dimensions	Overall Width, Inches			55	55	40	26	
	Depth, Inches			24	24	19	19	
	Height, Inches			39	39	37	37	
Number of Drawers	Top Chest			10		4	4	
	Roll Cabinet			11	5	7	7	
Colors Available	Red		•	•	•	•	•	
	Black			•		•	•	
	Blue			•		•	•	
	Orange							
	Yellow		•	•				
Hardwood Top	Roll Cabinet							
Heavy Duty Casters	Rigid							
	Swivel							
Medium Duty Casters	Rigid							
	Swivel							
Replacement Locks and Keys	Top Chest			50974 - Key Only				
	Roll Cabinet			50975 - Lock Only				

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⚠WARNING

AT-A-GLANCE

	Heavy-Industrial - Pages 64 thru 67					**Commercial** - Pages 68 thru 73						
	 73	 54	 42	 35	 27	 75	 54	 54	 42	 42	 27	 27
			50860	50881	50880		50861		50865	50778	50872	50873
	50990	50885	50890	50887	50888	50992	50891	50866	50895	50748	50902	50903
				50856	50856			50856	50856		50856	50856
			13,798	9,041	7,217		12,537		9,205	15,675	5,980	6,571
	29,477	25,304	21,051	14,230	9,177	38,598	18,781	20,484	14,623	20,321	10,354	10,354
									8,200, 3,921			
		53	41	35	26		54		42	41	27	27
		24	24	18	18		18		18	23	18	18
		27	22	22	42		22		19	20	18	19
	73	53	41	35	27	75	56	53	44	41	29	29
	24	24	24	18	18	24	41	18	18	24	18	18
	43	43	42	42	42	44	18	42	43	43	36	36
			4	5	5		9		6	8	4	5
	21	12	5	4	6	17	13		14	10	5	7
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
		•										
	50938	50938	50936	50936	50936				50834	50834	50834	50834
	50939	50939	50937	50937	50937				50935	50935	50935	50935
			50962	50962	50962		50962		50962	50962	50962	50962
	50969	50962	50962	50962	50962	50969	50962	50962	50962	50962	50962	50962

WILLIAMS® TOOL STORAGE AT-A-GLANCE CONTINUED

Series		**Plastic and Canvas Hand Carry Boxes** Pages 79 thru 81									
		 Plastic Tool Boxes			  Canvas Hand Carry Bags						
Nominal Size (Inches)		4750PTB50	4750PTB60	4750PTW47	4750FB4-18	4750FB2W-24A	4750FB1-19A	4750FB1-19B	4750FB2-19A	4750FB2-24A	4750FB3-12
Product Codes	Chest										
	Roll Cabinet										
	Keyless Entry										
	Cart/Metal Peg Board										
	Locker										
	Side Cabinet										
	Cage										
Capacity (cu. in.)	Top Chest										
	Roll Cabinet										
	Locker										
	Side Cabinet										
Top Chest Dimensions	Overall Width, Inches	19	23	24	17	26	18	18	19	24	11
	Depth, Inches	10	11	11	6	12	9	9	9	10	7
	Height, Inches	11	12	18	13	15	14	14	14	15	11
Roll Cabinet Dimensions	Overall Width, Inches										
	Depth, Inches										
	Height, Inches										
Number of Drawers	Top Chest										
	Roll Cabinet										
Colors Available	Red										
	Black										
	Blue										
	Orange										
	Yellow										
Hardwood Top	Roll Cabinet										
Heavy Duty Casters	Rigid										
	Swivel										
Medium Duty Casters	Rigid										
	Swivel										
Replacement Locks and Keys	Top Chest										
	Roll Cabinet										

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⚠WARNING

	Service Carts Page 74					**Jobsite Boxes** Page 75					**Heavy Duty Road Box** Page 76		**Hand Carry Tool Boxes** Pages 77 to 78				
																	
						32	42	48	48	48	26	34	21 Flat Top	21 Four Tray Cantilever	20 Hip Roof	19 Flat Top	16 Flat Top
	50721	50722	50723	50724	50726	50950	50951	50952	50953	50954	50946	50947B	TB-6123	TB-6218A	TB-6220A	TB-6119A	TB-6116
											26	34	21	21	20	19	16
											17	17	8	8	7	6	6
											22	23	12	12	8	6	6
	45	30	30	41	30	32	42	48	48	48							
	16	17	17	17	20	19	20	24	30	24							
	36	36	36	36	40	17	23	27	33	28							
											5	5					
	•	•	•	•							•	•					
										•	•						
					•	•	•	•	•								
						50949	50949	50949	50949	50949							
											50967	50967					

WILLIAMS®

TOOL STORAGE FEATURES:

- Ball bearing drawer slides
- Drawer liners
- Double wall construction
- High gloss powder-coat paint

WILLIAMS®

MODULAR INDUSTRIAL STORAGE

Tough Storage. Flexible Solutions.

The Williams® Modular Industrial Storage Program is designed, engineered and built specifically for industrial settings, processes, and systems. Heavy-duty steel construction, innovative safety and security features, and workplace-specific configurations provide for customizable, scalable storage that meets even the most complex needs.

Made in U.S.A.

CHOOSE FROM SIX CABINET HEIGHTS

The Williams® Modular Industrial Storage Program features a large selection of cabinet housings to meet any demand. Choose from six heights to accommodate your company's personnel and space.

30" Desk Height



Model 600

33 ½" Bench Height



Model 700

37" Bench Height



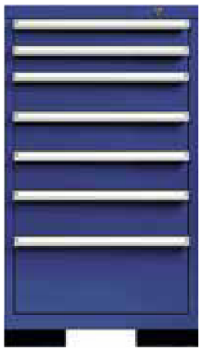
Model 800

CHOOSE FROM FIVE CABINET WIDTHS

Cabinets are available in five different widths. Choose widths to accommodate your specific storage needs. All cabinets are 27 ¾" deep.

Color Options

Dark Blue
Red
Black



NARROW-WIDE 23" WIDE CABINETS

Narrow-Wide (NW) cabinets are available in all cabinet heights. Recommended where space is limited, these cabinets make excellent work station pedestals or mobile cabinets. NW drawers will accommodate items up to 18".



STANDARD-WIDE 29 ¼" WIDE CABINETS

Standard-Wide (SW) cabinets are available in all cabinet heights. Recommended for most applications and provides the fastest pick-rates. SW drawers will accommodate items up to 24 ½".

To configure your storage solution, contact your Snap-on Industrial Brands Account Manager or call the Snap-on Industrial Brands Customer Service Center 1-800-446-7404. To learn more, go to www.modularindustrialstorage.com.



WILLIAMS

MODULAR INDUSTRIAL STORAGE

Made in U.S.A.

41 ¼"
Counter Height
Seated



Model 900

45 ¼"
Counter Height
Standing



Model 1000

59"
Eye Level



Model 1360





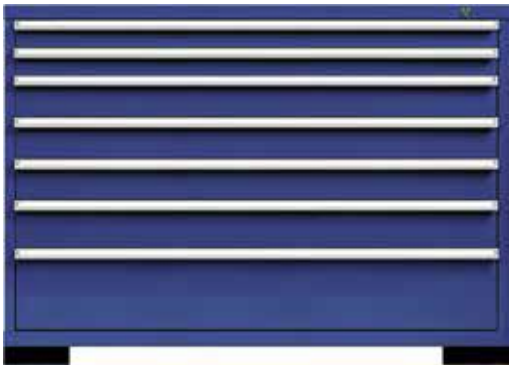
STANDARD-WIDE PLUS 32 ½" WIDE CABINETS

Standard-Wide PLUS (SWP) cabinets are available in all cabinet heights. Recommended for most applications and provides the fastest pick-rates. SWP drawers will accommodate items up to 28".



EXTRA-WIDE PLUS 46" WIDE CABINETS

Extra-Wide PLUS (EWP) cabinets are available in all cabinet heights. Recommended where parts or tools exceed 39". EW drawers will accommodate items up to 42".



DOUBLE-WIDE 58 ¼" WIDE CABINETS

Double-Wide (DW) cabinets are available in all cabinet heights. Recommended for storage of extra-long items. DW drawers will accommodate items up to 53 ½"wide.

Scan this code or go to
www.modularindustrialstorage.com to learn more

WILLIAMS®

MODULAR INDUSTRIAL STORAGE

EVERY CABINET FEATURES SUPERIOR DESIGN AND CONSTRUCTION—INSIDE AND OUT

Made in U.S.A.



Features

- Fully MIG Welded and surface ground on all eight corners, creating a cabinet that looks as good as it performs
- Heavy duty 11ga plug-in guide rail allows for quick adjustment to accept different drawer sizes and combinations
- Heavy duty 11ga carriage with six ball bearing rollers and four steel rollers ensures smooth operation of every drawer, even when loaded to the 400 lb. capacity
- Full height sidewalls provide maximum cubic storage capacity, while reducing item spillover into adjacent compartments
- Full Width 45 degree angle aluminum handles for easy identification of contents
- Standard full length forklift base provides a safe platform for installing cabinets or for moving them when reconfiguring workspace. The removable kick panel combines enhanced safety with a clean look. (11ga fully welded optional pallet truck base available)



SWP PLUS SERIES – 32-1/2" WIDE

The innovative SWP (standard wide plus) cabinet is an exclusive, providing up to 22% more storage than our SW (standard wide) cabinets or competitors' products.



100% VIEW DRAWER EXTENSION

Full visibility and access to drawer contents, regardless of size, is made possible by the double roller tracks that allow for 100% drawer extension. Six high-quality steel ball bearings and four roller bearings assure smooth operation and will support loads of up to 400 pounds per drawer.



WILLIAMS

MODULAR INDUSTRIAL STORAGE



HANDLES AND DRAWERS BUILT TO INCREASE SAFETY AND CONVENIENCE

FULL-WIDTH ALUMINUM HANDLES WITH SAFETY OVERLAP AND 45 DEGREE ANGLE

The innovative handle design overlaps the drawer, helping to prevent injury by eliminating sharp edges and softening pinch points. The angled design allows the outside drawer handle label to be aligned with the interior compartments and storage rows for better inventory control.

RIVETED DRAWER FRONTS AND HANDLES

Stainless steel rivets provide 650 lbs. of shear strength per rivet for outstanding durability. A minimum of 4 rivets are used to fasten the drawer front to the body and the drawer pull to the drawer front, creating a stronger bond than screws can.

GRAY INTERIOR DRAWERS

The neutral gray interior lets you see the contents more easily since it refracts the most light to the user.

17 UNIQUE DRAWER SIZES/DEPTHS

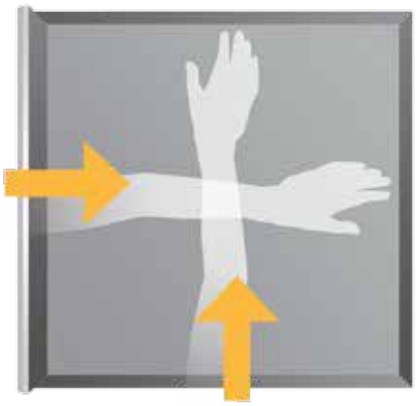
Drawer Heights in 20mm Increments

	Drawer Model Point Value	Drawer Front Height	Drawer Inside Usable Height	Drawer Side Wall Height
1	80	3"	2 1/8"	2"
2	100	3 7/8"	3"	3"
3	120	4 3/4"	3 7/8"	3 7/8"
4	140	5 1/2"	4 3/4"	3 7/8"
5	160	6 1/8"	5 1/2"	3 7/8"
6	180	7"	6 1/8"	6"
7	200	7 3/4"	7"	6"
8	220	8 1/2"	7 3/4"	6"
9	240	9 1/4"	8 1/2"	8 1/2"
10	260	10 1/8"	9 1/4"	8 1/2"
11	280	11"	10 1/8"	8 1/2"
12	300	11 3/4"	11"	10 7/8"
13	320	12 1/2"	11 3/4"	10 7/8"
14	340	13 1/4"	12 3/8"	10 7/8"
15	360	14 1/4"	13 1/4"	10 7/8"
16	380	14 7/8"	14"	10 7/8"
17	400	15 1/2"	14 3/4"	10 7/8"

Taller drawers are available. Call your Snap-on Industrial Account Manager for assistance.

Drawer Capacity: 400-lbs UDL @ 100% extension

Made in U.S.A.



HUMAN-ENGINEERED DRAWERS – SQUARE DESIGN

The 24-1/2" square SW drawer was ergonomically designed to accommodate the reach of the average person from either the front or the side, increasing picking productivity. Picking stock or retrieving parts from the side keeps aisles clear for increased efficiency and productivity.

To configure your storage solution, contact your Snap-on Industrial Brands Account Manager or call the Snap-on Industrial Brands Customer Service Center 1-800-446-7404. To learn more, go to www.modularindustrialstorage.com.

WILLIAMS®

MODULAR INDUSTRIAL STORAGE

DRAWER ACCESSORIES MAXIMIZE STORAGE SPACE

GROOVED PLASTIC TRAYS AND SMALL PARTS CONTAINERS

Drawers are easily configured to perfectly match a wide variety of storage needs, from small parts such as fasteners and connectors, to delicate measuring equipment, cutting tools and electronic parts. Small parts containers and grooved plastic trays create custom layouts and drawer interiors to meet your specific needs.

USA Made in U.S.A.

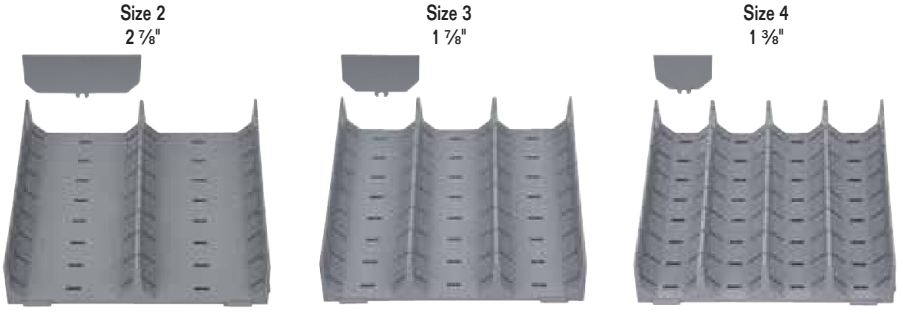


MAXIMUM storage in MINIMUM space!



DRAWER LINERS

Anti-slip drawer liners provide cushioning and abrasion protection for the drawer.



GROOVED PLASTIC TRAYS

Available in 3 sizes and designed to protect side-sensitive tooling.



PLASTIC BINS – A SERIES

Modular design made of tough plastic with a usable height of 2". Choose from two sizes.



PLASTIC BINS – N SERIES

Modular design made of tough plastic with a usable height of 2".



LABEL HOLDERS

Transparent label holders clip onto plastic bins, grooved trays, and steel dividers.

WARNING

WILLIAMS

MODULAR INDUSTRIAL STORAGE



CUSTOM DRAWER LAYOUTS FOR BETTER ORGANIZATION

SLOTTED PARTITIONS

Powder-coated steel partitions subdivide drawers from front-to-back.

Model Number	80-P	100-P	120-P	180-P	240-P	300-P
Height (inches)	2"	3"	3 7/8"	6"	8 1/2"	10 7/8"
Use with drawer no.	80	10	120, 140, 160	180, 200	240	300 and up

STEEL DIVIDERS

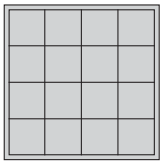
Powder-coated steel dividers further separate drawers when used with slotted partitions. Dividers slide into slots of partitions or drawer sidewalls to form compartments.

Usable width of compartment (inches)	1 7/8"	2 5/8"	3 1/2"	4 1/4"	5 1/8"	5 7/8"	7 3/8"	9 1/8"	12 1/4"
Number of units (spaces)	3U	4U	5U	6U	7U	8U	10U	12U	16U

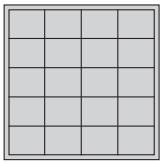
USA
Made in U.S.A.

STANDARD DRAWER LAYOUTS

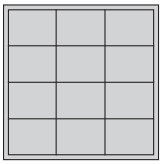
Most popular drawer layouts shown. Custom drawer layouts available.



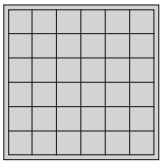
Layout No. 1
(16 Compartments)
3 slotted partitions
12 divider plates
8U



Layout No. 3
(20 Compartments)
3 slotted partitions
16 divider plates
8U



Layout No. 5
(12 Compartments)
2 slotted partitions
6 divider plates
10U
3 divider plates
12U



Layout No. 9
(36 Compartments)
5 slotted partitions
20 divider plates
5U
10 divider plates
6U





OPTIONS FOR EVEN GREATER SECURITY AND SAFETY

HINGED LOCK BAR

Features a padlock hasp for additional protection and security of drawers and contents.

LOCK IN/LOCK OUT LATCH

Locks individual drawers into position, either closed or fully extended. Recommended for truck and van storage applications.

To configure your storage solution, contact your Snap-on Industrial Brands Account Manager or call the Snap-on Industrial Brands Customer Service Center 1-800-446-7404. To learn more, go to www.modularindustrialstorage.com.

WILLIAMS®

MODULAR INDUSTRIAL STORAGE

SHELVING UNITS

Organize bulky items by adding shelving storage to your cabinets. Their rugged, all-welded construction assures smooth operation, durability and years of dependable heavy-duty service. And because they're adjustable, you can rearrange the shelves to flexibly adapt to your storage needs for years to come.

Features

- 18-gauge shelf notched to fit snugly around upright posts, preventing small items from falling through any gaps to the shelf below.
- Powder-coat epoxy paint baked on to provide a high gloss finish.
- Shelf reinforcement adds an additional 400 lbs. of load capacity.
- Patented 11-gauge shelf support frames the system and supports heavy loads.
- Clear Vue doors made from plexiglass keep your equipment in sight and secure. (optional accessory)

USA
Made in U.S.A.



CHOOSE FROM VARIOUS SIZES

Shelving units are available in different widths, depths and heights to meet your specific storage needs.

Widths: Narrow-Wide (NW) – 23 ¼"
Standard-Wide (SW) – 29 ¼"
Standard-Wide Plus (SWP) – 32 ½"

Depths: Shallow-Depth (SD) – 23 ½"
Standard-Depth (S) – 27 ¾"

Heights: 78" and 84"



Shown with optional drawers and Clear Vue doors

CHOOSE OPTIONS AND ACCESSORIES

Select between shelves and drawers, or a combination of the two, for the interior. You can also further customize the shelving unit with solid doors, Clear Vue doors, a fork lift base and extra shelves. Available in standard colors of Dark Blue (DB), Red (RD), and Black (BK).

⚠WARNING

WILLIAMS

MODULAR INDUSTRIAL STORAGE



WORKSTATIONS

Every workplace needs a place to work. We deliver highly customizable workstations to fit your specific needs. They can be stationary or mobile, can have shelves, cabinets, or risers, and can be topped with a variety of work surfaces. You can even add footrests. With this much customization, you'll be able to get the job done…your way.

Features

- Available in a range of lengths – 48", 60", 72", 84", 90", 120" and 144".
- Fully welded and crafted out of heavy gauge steel.
- Supports up to 25,000 lbs.
- Riser shelves are available in steel (painted or stainless) or maple.
- Mobility workstations let you bring the work environment to the job, instead of going back and forth to and from the workstation.

BUILD IT YOUR WAY

Workstations are available in five heights and can be configured with various options such as an open leg or panel leg, casters, steel or maple work surfaces, risers, drawers, and more. Available in standard colors of Dark Blue (DB), Red (RD), and Black (BK).

ACCESSORIES

TOPS

Solid maple or stainless work surfaces are available in a variety of shapes and sizes.



Product Code		
Solid Maple	Stainless Steel	Description
MAPLETOP3024	SSTOP3024	30D x 24L
MAPLETOP3030	SSTOP3030	30D x 30L
MAPLETOP3036	SSTOP3036	30D x 36L
MAPLETOP3048	SSTOP3048	30D x 48L
MAPLETOP3060	SSTOP3060	30D x 60L
MAPLETOP3072	SSTOP3072	30D x 72L
MAPLETOP3084	SSTOP3084	30D x 84L
MAPLETOP3090	SSTOP3090	30D x 90L
MAPLETOP3096	SSTOP3096	30D x 96L
MAPLETOP30120	SSTOP30120	30D x 120L
MAPLETOP30144	SSTOP30144	30D x 144L

HANDLES & WHEELS

Make your storage mobile with our selection of handles and wheels.



Part #	Description
SLC50227	Caster Kit Set 4 and Handle Kit
SLC50226	Caster Kit Set 4

Made in U.S.A.

To configure your storage solution, contact your Snap-on Industrial Brands Account Manager or call the Snap-on Industrial Brands Customer Service Center 1-800-446-7404. To learn more, go to www.modularindustrialstorage.com.

Scan this code or go to www.modularindustrialstorage.com to learn more

WILLIAMS®

KEYLESS TOOL CONTROL

Keyless Entry system secures your tool box, allowing you to control and limit access without the hassle of keys

Product Code	Description
WTC55RC11	55" Keyless Entry Box
WTC40RC7	40" Keyless Entry Box
WTC26RC7	26" Keyless Entry Box

Features

- Keyless entry system offers badge, keypad entry, and at the box programming for up to 3,000 users
- Eliminates the hassle of keys to open tool boxes.
- Battery power makes Keyless Tool Control ideal for environments where tool boxes are on the move.
- Powered by 6 D-cell batteries (not included) or power cord
- Single set of batteries can last up to six months depending upon environment
- Grants access to tool boxes with three access methods:
  - Keypad PIN entry only
  - Proximity ID card entry
  - Dual Credential: Proximity ID card and keypad PIN entry
- Pre-assembled access unit sits on top of the box -
  - Implement by simply installing batteries and setting up access credentials.
- LED lights indicate if box is opened or closed
- Last Access indicator displays who last accessed the box.
- Keyless entry system can be networked with Lock View® software

USA Made in U.S.A.



WTC40RC7

WILLIAMS®

BULK STORAGE CAGE

Secure storage with at-a-glance inventory control

Product Code	Description	Load Capacity
WBSC2460C	Mobile Bulk Storage Cage w/ Casters	900 Pounds
WBSC2460S	Stationary Bulk Storage Cage	1,800 Pounds

Features

- Double door opening for easy access
- Door latch with padlock security loop
- Durable chrome finish
- Available with swivel and locking casters for easy mobility or stationary, without casters
- Dimensions: 62" wide x 68" high x 28.5" deep

USA Made in U.S.A.



WBSC2460C

⚠WARNING

Color Options

Red
Yellow

WTC496SR



WTC496CARTR

WILLIAMS

VISUAL CONTROL CABINET TOOL STORAGE

Clear Abrasion-Resistant Polycarbonate window allows for at-a-glance inventory management and creates a strong, secure barrier. Polycarbonate is commonly used in eye protection

Product Code	Description
WTC496SR	49" Cabinet - Red
WTC496SY	49" Cabinet - Yellow
WTC496CARTR	49" Cart - Red
WTC496CARTY	49" Cart - Yellow
WTC496PEG	Metal Peg Board
WTC346SR	34" Cabinet - Red
WTC3496SY	34" Cabinet - Yellow
WTC346PEG	Metal Peg Board

Features

- Keyed entry secures the tools and inventory, holds about100 tools
- Full swing door hinge creates unobstructed entry when in use, gas shocks keep the door in the upright position.
- Visual control cabinets create "Strike Zone" presentation of tools
  - Strike zone - above the knees and below the shoulders
  - Eliminates Need to Bend and Stretch
- Interior Tool Control Options
  - Foam - Customize with sales reps guidance
  - Metal Peg Board - Hooks not included
- Versatile mounting options
  - V-stand mounting brackets standard
  - 16" on center for wall mount
- 49" rolling cart - optional - predrilled and hardware included

Made in U.S.A.



WTC496SR

WILLIAMS®

55" PROFESSIONAL SERIES TOOL CABINETS

Designed for industrial use

Product Code	Description
W55TC10	55" Wide x 24" Deep 10-Drawer Tool Chest
W55RC11	55" Wide x 24" Deep 11-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #W55TC10 in Blue, specify product code W55TC10BL

W55TC10 Top Chest Overall Dimensions

Capacity (cu.in.)	Width (Inches)	Depth (Inches)	Height (Inches)
21283	55	24	28.5

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	14 5/8	21 5/8	1 3/4
3	14 5/8	21 5/8	4
2	30 1/2	21 5/8	1 3/4
3	30 1/2	21 5/8	4

W55RC11 Roll Cabinet Overall Dimensions

Capacity (cu.in.)	Width (Inches)	Depth (Inches)	Height (Inches)
25000	55	24	39

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	14 5/8	21 7/8	1 3/4
2	14 5/8	21 7/8	4
1	14 5/8	21 7/8	10 9/16
3	30 9/16	21 7/8	1 3/4
2	30 9/16	21 7/8	4
1	30 9/16	21 7/8	6 3/16
1	49 1/4	21 7/8	3 3/16

Features

Made in U.S.A.

- Made of High-Quality Class I steel to enhance strength and finish.
- Double wall construction provides strength.
- Reinforcement corner gussets add strength and reduce racking.
- 2" mounting centers provide flexibility in arranging drawers to individual needs
- Drawers equipped with positive latching drawer retention to prevent unwanted drawer opening.
- All drawers equipped with 75 pound full extension ball bearing slides with quick disconnect.
- All 4" and deeper drawers provide for adding additional slides to double drawer capacity.
- Rolled hem on all drawers provide superior strength, rigidity and safety.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- High luster paint protects against scratches, pealing, blistering and corrosion.
- Paint pretreatment process both sprays and immerses boxes for added corrosion protected.
- Drawer liners included at no extra charge.
- Gas struts in lid of chest make lid easy to open and close.
- Two point locking design adds extra security on all chests.

Color Options

Red: Standard
Black: B
Blue: BL
Yellow: Y

W55TC10



W55RC11

⚠WARNING





W55RCBS

WILLIAMS®

55" PROFESSIONAL SERIES ROLL CABINET

Designed for industrial use

Product Code	Description
W55RC5BS	55" Wide x 24" Deep 5-Drawer Roll Cabinet with Bulk Storage

W55RC5BS Roll Cabinet Overall Dimensions

Capacity (cu.in.)	Width (Inches)	Depth (Inches)	Height (Inches)
25,000	55	24	39

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
4	30 9/16	21 7/8	5
1	30 9/16	21 7/8	7
Bulk	23	21 7/8	33

Features

Made in U.S.A.

- Wide Drawer to hold long tools such as pry bars and extensions.
- Bulk section with adjustable shelf perfect for storing large, bulky tools
- Made of High-Quality Class I steel to enhance strength and finish.
- Double wall construction provides strength.
- Reinforcement corner gussets add strength and reduce racking.
- 2" mounting centers provide flexibility in arranging drawers to individual needs
- Drawers equipped with positive latching drawer retention to prevent unwanted drawer opening.
- All drawers equipped with 75 pound full extension ball bearing slides with quick disconnect.
- All 4" and deeper drawers provide for adding additional slides to double drawer capacity.
- Rolled hem on all drawers provide superior strength, rigidity and safety.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- High luster paint protects against scratches, pealing, blistering and corrosion.
- Paint pretreatment process both sprays and immerses boxes for added corrosion protected.
- Drawer liners included at no extra charge.
- Gas struts in lid of chest make lid easy to open and close.
- Two point locking design adds extra security on all chests.
- 8-05188ALRS – Replacement Slides.

WILLIAMS®

40" PROFESSIONAL SERIES TOOL CABINETS

Designed for industrial use

Product Code	Description
W40TC4	40" Wide x 20" Deep 4-Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #W40TC4 in Blue, specify product code W40TC4BL

W40TC4 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
9746	40 1/32	19 13/16	19 7/16

Top Chest Drawer Sizes

Number	Width	Depth	Height
Top Compartment	39 29/32	18 23/32	4 23/32
2	34 11/16	17 17/32	1 13/32
2	34 11/16	17 17/32	3 19/32

W40RC7 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
15253	40	19 13/16	37 7/8

Roll Cabinet Drawer Sizes

Number	Width	Depth	Height
2	34 11/16	17 17/32	1 13/32
4	34 11/16	17 17/32	3 19/32
1	34 11/16	17 17/32	7 21/32

Features

Made in U.S.A.

- Made of High-Quality Class I steel to enhance strength and finish.
- Double wall construction provides strength.
- Reinforcement corner gussets add strength and reduce racking.
- 2" mounting centers provide flexibility in arranging drawers to individual needs.
- Drawers equipped with positive latching drawer retention to prevent unwanted drawer opening.
- All drawers equipped with 75 pound full extension ball bearing slides with quick disconnect.
- All 4" and deeper drawers provide for adding additional slides to double drawer capacity.
- Rolled hem on all drawers provide superior strength, rigidity and safety.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- High luster paint protects against scratches, pealing, blistering and corrosion.
- Paint pretreatment process both sprays and immerses boxes for added corrosion protected.
- Drawer liners included at no extra charge.
- Gas struts in lid of chest make lid easy to open and close.
- Two point locking design adds extra security on all chests
- W40X50RV Side Handles
- Casters 5"x2", weight capacity 330 lbs. per caster
- Weight capacity 75 lbs. per rail

Color Options

Red: Standard
Black: B
Blue: BL

W40TC4



W40RC7

⚠WARNING

WILLIAMS

26" PROFESSIONAL SERIES TOOL CABINET

Designed for industrial use

Product Code	Description
W26TC4	26" Wide x 20" Deep 4-Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7-Drawer Roll Cabinet

Color Options

Red: Standard
Black: B
Blue: BL

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #W26TC4 in Blue, specify product code W26TC4BL

W26TC4



W26RC7

W26TC4 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
6180	26 23/32	19 13/16	19 13/32

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
Top Compartment	26 19/32	18 23/32	4 23/32
2	21 3/8	17 17/32	1 13/32
2	21 3/8	17 17/32	3 19/32

W26RC7 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
9374	26	19 13/16	37 7/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	21 3/8	17 11/32	1 15/32
4	21 3/8	17 11/32	3 19/32
1	21 3/8	17 11/32	7 21/32

Made in U.S.A.

Features

- Made of High-Quality Class I steel to enhance strength and finish.
- Double wall construction provides strength.
- Reinforcement corner gussets add strength and reduce racking.
- 2" mounting centers provide flexibility in arranging drawers to individual needs.
- Drawers equipped with positive latching drawer retention to prevent unwanted drawer opening.
- All drawers equipped with 75 pound full extension ball bearing slides with quick disconnect.
- All 4" and deeper drawers provide for adding additional slides to double drawer capacity.
- Rolled hem on all drawers provide superior strength, rigidity and safety.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- High luster paint protects against scratches, pealing, blistering and corrosion.
- Paint pretreatment process both sprays and immerses boxes for added corrosion protected.
- Drawer liners included at no extra charge.
- Two point locking design adds extra security on all chests.

WILLIAMS®

HEAVY-INDUSTRIAL SERIES 73" ROLL CABINET

Heavy-Industrial roll cabinet designed for the toughest work environments

Product Code	Description
50990	73" Wide 21 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code. Example: To order #50990 in Blue, specify product code 50990BL

50990 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
29,477	80 7/32	24 9/16	43 1/16

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
Left side:			
1	49 3/8	22	4 1/4
1	23	22	2
2	23	22	3 1/8
2	23	22	4 1/4
1	23	22	6 7/16
Center:			
1	23	22	2
2	23	22	3 1/8
1	23	22	4 1/4
1	23	22	10 13/16
Right side:			
4	15 3/4	22	2
2	15 3/4	22	3 1/8
3	15 3/4	22	4 1/4

Features

- High gloss powder coat paint is scratch & chemical resistant
- Stainless steel work surface
- Heavy gauge metal for a lifetime of use
- Double wall construction for greater strength and durability
- Heavy duty 6" x 2" spring loaded casters
- Aluminum corner trim
- Handles on both side of cabinet
- Two pairs of 120 pounds rated ball bearing slides on all drawers over 3" deep.
- Anti-skid drawer liners included
- Overall width with handles is 80¼"

Color Options

Red: Standard
Black: B
Blue: BL



50990



50990B



50990BL



Color Options
Red: Standard
Black: B
Blue: BL

Color Options with Hardwood Top
Red with Hardwood Top: W
Black with Hardwood Top: BW
Blue with Hardwood Top: BLW

Color Options with Hardwood Top: To order in an optional color with a hardwood top simply add the appropriate color and hardwood top code to the end of the product code.
Example: To order #50885 in Blue with a Hardwood top, specify product code 50885BLW



50885W

WILLIAMS

HEAVY-INDUSTRIAL SERIES 54" ROLL CABINET WITH OPTIONAL HARDWOOD TOP

Heavy-Industrial roll cabinet designed for the toughest work environments

Product Code	Description
50885	54" Wide x 24 ½" Deep 12 Drawer Roll Cabinet
50111	Hardwood Top Only

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50885 in Blue, specify product code 50885BL

50885 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
25,304	53 ½	24 ½	43

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	49 3/8	22	4 ¼
2	23	22	2
4	23	22	3
3	23	22	4 ¼
1	23	22	6 7/16
1	23	22	10 ½

Features

- Frame is reinforced using 14 gauge plates on the front of cabinet
- Rigidity of frame is significantly increased with full height & width triple channel wall
- Three layers of metal guard the corners with interlock corner design
- Two pairs of 120 lb. rated ball bearing drawer slides on all drawers except 2" drawers
- 6"x2" precision ball bearing casters made of high tech thermoplastic rubber.
- Casters absorb vibrations transmitted to frame while moving on uneven surface
- Casters equipped with pedal brake and ball bearings for easy operation
- All drawers equipped with safe-lock system & made of 18 gauge heavy duty steel
- Extruded aluminum drawer handle trim
- Red high gloss powder coat paint is scratch resistant
- Drawer liners included at no extra charge
- Gas struts in lid of chest make lid easy to open and close

WILLIAMS®

HEAVY-INDUSTRIAL SERIES 42" TOOL CABINETS

Heavy-Industrial-grade tool cabinets with ball bearing drawer slides for rugged service in the toughest work environments

Product Code	Description
50860	42" Wide x 24" Deep 4-Drawer Top Chest
50890	42" Wide x 24" Deep 5-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50860 in Blue, specify product code 50860BL

Color Options

Red: Standard
Black: B
Blue: BL

50860 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
13966	42	24 ½	22 ½

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	37 ⅜	22	1 ⅝
1	37 ⅜	22	3 ⅞
1	37 ⅜	22	6 ⅛

50890 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
21379	42	24 ½	42

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
3	37 ⅜	22	3 ⅞
1	37 ⅜	22	6 ⅛
1	37 ⅜	22	8 ¼

Features

- Frame is reinforced using 14 gauge plates on the front of cabinet.
- Rigidity of frame is significantly increased with full height & width triple channel wall.
- Three layers of metal guard the corners with interlock corner design.
- TWO pairs of 120 lb. rated ball bearing drawer slides on all drawers except 2" drawers.
- 6"x2" precision ball bearing casters made of high tech thermoplastic rubber.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- All drawers equipped with safe-lock system & made of 18 gauge heavy duty steel.
- Extruded aluminum drawer handle trim.
- Red high gloss powder coat paint is scratch resistant.
- Drawer liners included at no extra charge.
- Gas struts in lid of chest make lid easy to open and close.

50860



50890





Color Options

Red: Standard
Black: B
Blue: BL

WILLIAMS

HEAVY-INDUSTRIAL SERIES 35" TOOL CABINETS

Heavy-Industrial roll cabinet designed for the toughest work environments

Product Code	Description
50881	35" Wide x 18" Deep 5 Drawer Top Chest
50887	35" Wide x 18" Deep 6 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code. Example: To order #50881 in Blue, specify product code 50881BL

50881 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
8350	35	18 3/4	22 3/4

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	30 7/8	16 1/4	1 5/8
2	30 7/8	16 1/4	2 3/4
1	30 7/8	16 1/4	3 7/8

50887 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
12,731	35	18 3/4	42

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	30 7/8	16 1/4	1 5/8
2	30 7/8	16 1/4	2 3/4
1	30 7/8	16 1/4	3 7/8
1	30 7/8	16 1/4	6 1/8
1	30 7/8	16 1/4	8 1/4



Color Options

Red: Standard
Black: B
Blue: BL

HEAVY-INDUSTRIAL SERIES 27" TOOL CABINETS

Heavy-Industrial roll cabinet designed for the toughest work environments

Product Code	Description
50880	27" Wide x 18" Deep 5 Drawer Top Chest
50888	27" Wide x 18" Deep 6 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code. Example: To order #50880 in Blue, specify product code 50880BL

50880 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
6,604	27	18 3/4	22 1/4

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	23	16 1/4	2
2	23	16 1/4	3
1	23	16 1/4	4 1/4

50888 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
9,479	27	18 3/4	42

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	23	16 1/4	1 5/8
2	23	16 1/4	2 3/4
1	23	16 1/4	3 7/8
1	23	16 1/4	6 1/8
1	23	16 1/4	8 1/4

Features

- Frame is reinforced using 14 gauge plates on the front of cabinet
- Rigidity of frame is significantly increased with full height & width triple channel wall
- Three layers of metal guard the corners with interlock corner design
- TWO pairs of 120 lb. rated ball bearing drawer slides on all drawers except 2" drawers
- 6"x2" precision ball bearing casters made of high tech thermoplastic rubber .
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces
- Casters equipped with pedal brake and ball bearings for easy operation
- All drawers equipped with safe-lock system & made of 18 gauge heavy duty steel
- Extruded aluminum drawer handle trim
- Red high gloss powder coat paint is scratch resistant
- Drawer liners included at no extra charge
- Gas struts in lid of chest make lid easy to open and close

WILLIAMS®

75" COMMERCIAL SERIES TOOL CABINET

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50992	75" Wide x 24-1/2" Deep 17-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.

Example: To order #50992 in Blue, specify product code 50992BL

50992 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
38598	75 ¼	24 ½	44 ⅛

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
Long Drawer			
1	51 ⅝	22	1 ⅝
1	51 ⅝	22	3 ¾
Left Bank			
1	32 ⅝	22	1 ⅝
3	32 ⅝	22	3 ⅞
1	32 ⅝	22	8 ⅛
Center Bank			
1	15 ¾	22	1 ⅝
2	15 ¾	22	3 ⅞
1	15 ¾	22	12 ⅝
Right Bank			
1	15 ¾	22	1 ⅝
1	15 ¾	22	3 ⅞
1	15 ¾	22	1 ⅝
2	15 ¾	22	3 ⅞
1	15 ¾	22	12 ⅝

Features

- Heavy duty double wall construction, built to last
- Ball bearing slides on all drawers
- Double ball bearing slide on all 4" and 6" drawers
- Full extension slides for easy reach inside
- Reinforced bottom channels
- Full length extruded aluminum drawer pulls
- Integrated latch security systems on all drawer
- Aluminum protective corners
- Aluminum recessed side handle on top chest
- Heavy duty gas struts on top lid for smooth and easy opening
- Oversized elliptical chromed side handle for comfort and easy maneuvering
- 4 heavy duty casters with double layer ball bearing and chromed hub caps
- High security locks
- High quality anti skid drawer liners in all drawers and top lid area
- Easy access to top compartment area

Color Options

Red: Standard
Black: B
Blue: BL



50992

⚠WARNING

Color Options

Red: Standard
Black: B
Blue: BL





WILLIAMS®

54 " COMMERCIAL SERIES TOOL CABINET

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50861	54" Wide x 18" Deep 9-Drawer Top Chest
50891	54" Wide x 18" Deep 13-Drawer Roll Cabinet
50866	54" Wide x 18" Deep 12-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50861 in Blue, specify product code 50861BL

50861 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
12537	54	18 3/4	22 1/4

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	50 1/2	17 3/4	3 1/4
5	23	16 1/4	1 5/8
3	23	16 1/4	3 7/8
1	23	16 1/4	6

50891 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
18781	54	18 3/4	40 1/4

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	23	16 1/4	1 5/8
7	23	16 1/4	3 7/8
1	23	16 1/4	8 1/4*
2	23	16 1/4	2 3/4
1	23	16 1/4	6 1/8*

50866 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
20484	53 5/8	18 3/4	42 1/2

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
Long Drawer			
1	49 3/8	16 1/4	1 5/8
1	49 3/8	16 1/4	3 7/8
Left Bank			
2	23	16 1/4	2 3/4
2	23	16 1/4	3 7/8
1	23	16 1/4	8 1/4
Right Bank			
2	23	16 1/4	2 3/4
2	23	16 1/4	3 7/8
1	23	16 1/4	8 1/4

Features

- Heavy duty double wall construction, built to last
- Ball bearing slides on all drawers
- Double ball bearing slide on all 4" and 6" drawers
- Full extension slides for easy reach inside
- Reinforced bottom channels
- Full length extruded aluminum drawer pulls
- Integrated latch security systems on all drawer
- Aluminum protective corners
- Aluminum recessed side handle on top chest
- Heavy duty gas struts on top lid for smooth and easy opening
- Oversized elliptical chromed side handle for comfort and easy maneuvering
- 4 heavy duty casters with double layer ball bearing and chromed hub caps
- High security locks
- High quality anti skid drawer liners in all drawers and top lid area
- Easy access to top compartment area

* Double slides

WILLIAMS®

42" COMMERCIAL SERIES TOOL CABINETS

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50778	42" Wide x 23" Deep 8-Drawer Top Chest
50748	42" Wide x 24" Deep 13-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50778 in Blue, specify product code 50778BL

50778 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
15675	41 1/2	23 5/8	20

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)	Number	Width (inches)	Depth (inches)	Height (inches)
1 Shelf	38 1/2	23 3/8	3 1/4	1	11	22	1 5/8
1	23	22	1 5/8	2	11	22	2 3/4
2	23	22	2 3/4	1	11	22	3 7/8
1	23	22	3 7/8				

50748 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
20321	41 1/2	24 1/2	43 5/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)	Number	Width (inches)	Depth (inches)	Height (inches)
1	37 3/8	22	1 5/8	1	23	22	6 1/8
1	37 3/8	22	3 7/8	1	11	22	1 5/8
1	23	22	1 5/8	2	11	22	2 3/4
2	23	22	2 3/4	1	11	22	3 7/8
2	23	22	3 7/8	1	11	22	10 3/8

Color Options

- Red: Standard
- Black: B
- Blue: BL



WILLIAMS®

42" COMMERCIAL SERIES TOOL CABINETS

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50865	42" Wide x 18" Deep 6-Drawer Top Chest
50895	42" Wide x 18" Deep 14-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50778 in Blue, specify product code 50865BL

50865 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
8306	42	18 9/32	19 15/16

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)	Number	Width (inches)	Depth (inches)	Height (inches)
1	41	16 1/4	3 1/4	1	22 29/32	16 11/32	3 1/2
1	37 5/16	16 11/32	1 3/8	1	10 29/32	16 11/32	1 3/8
1	37 5/16	16 11/32	3 1/2	1	10 29/32	16 11/32	3 1/2
1	22 29/32	16 11/32	1 3/8				

50895 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
14623	44	18 27/32	43 1/4

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)	Number	Width (inches)	Depth (inches)	Height (inches)
1	37 5/16	16 11/32	1 3/8	1	22 29/32	16 11/32	5 3/4
1	37 5/16	16 11/32	3 1/2	1	10 29/32	16 11/32	1 3/8
1	22 29/32	16 11/32	1 3/8	2	10 29/32	16 11/32	2 15/32
2	22 29/32	16 11/32	2 15/32	2	10 29/32	16 11/32	3 1/2
2	22 29/32	16 11/32	3 1/2	1	10 29/32	16 11/32	5 3/4

Color Options

- Red: Standard
- Black: B
- Blue: BL



Features

- Heavy duty double wall construction, built to last
- Ball bearing slides on all drawers
- Double ball bearing slide on all 4" and 6" drawers
- Full extension slides for easy reach inside
- Reinforced bottom channels
- Full length extruded aluminum drawer pulls
- Integrated latch security systems on all drawer
- Aluminum protective corners
- Aluminum recessed side handle on top chest
- Heavy duty gas struts on top lid for smooth and easy opening
- Oversized elliptical chromed side handle for comfort and easy maneuvering
- 4 heavy duty casters with double layer ball bearing and chromed hub caps
- High security locks
- High quality anti skid drawer liners in all drawers and top lid area
- Easy access to top compartment area



WILLIAMS

27" COMMERCIAL SERIES TOOL CABINETS

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50872	27" Wide x 18" Deep 4-Drawer Top Chest
50902	27" Wide x 18" Deep 5-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50872 in Blue, specify product code 50872BL

Color Options

Red: Standard
Black: B
Blue: BL



50872 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
5980	27	18	18 7/8

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	22 29/32	16 11/32	1 3/8
1	22 29/32	16 11/32	2 15/32
1	22 29/32	16 11/32	3 9/16

50902 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
10354	29 25/32	18	36 5/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	22 29/32	16 11/32	1 3/8
3	22 29/32	16 11/32	3 9/16
1	22 29/32	16 11/32	7 15/16

Features

- Heavy duty double wall construction, built to last
- Ball bearing slides on all drawers
- Double ball bearing slide on all 4" and 6" drawers
- Full extension slides for easy reach inside
- Reinforced bottom channels
- Full length extruded aluminum drawer pulls
- Integrated latch security systems on all drawer
- Aluminum protective corners
- Aluminum recessed side handle on top chest
- Heavy duty gas struts on top lid for smooth and easy opening
- Oversized elliptical chromed side handle for comfort and easy maneuvering
- 4 heavy duty casters with double layer ball bearing and chromed hub caps
- High security locks
- High quality anti skid drawer liners in all drawers and top lid area
- Easy access to top compartment area
- Heavy duty casters 5"x2" with double layer ball bearing and chromed hub

WILLIAMS®

27" COMMERCIAL SERIES TOOL CABINETS

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50873	27" Wide x 18" Deep 5-Drawer Top Chest
50903	27" Wide x 18" Deep 7-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50873 in Blue, specify product code 50873BL

50873 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
5331	27	18	19 15/16

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
4	23	16 1/4	1 5/8
1	23	16 1/4	3 7/8

50903 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
10,091	29 25/32	18	36 5/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	23	16 1/4	1 5/8
2	23	16 1/4	2 3/4
3	23	16 1/4	3 7/8
1	23	16 1/4	8 1/4

Features

- TWO pairs of 120 lb. rated ball bearing drawer slides on all drawers except 2" drawers
- 6"x2" precision ball bearing casters made of high tech thermoplastic rubber.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces
- Casters equipped with pedal brake and ball bearings for easy operation
- All drawers equipped with safe-lock system & made of 18 gauge heavy duty steel
- Extruded aluminum drawer handle trim
- Red high gloss powder coat paint is scratch resistant
- Drawer liners included at no extra charge
- Gas struts in lid of chest make lid easy to open and close

Color Options

Red: Standard
Black: B
Blue: BL

50873



50903

⚠WARNING



50856

WILLIAMS®

COMMERCIAL SERIES SIDE CABINET

Product Code	Width (inches)	Depth (inches)	Height (inches)
50856	15	18 3/4	37 1/16

Features

- High gloss powder coat paint is scratch & chemical resistant.
- Heavy gauge metal for a lifetime of use.
- 8 drawers

WILLIAMS®

HARDWOOD WORK SURFACE

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Fits Roll Cabinet	Roll Cabinet Description
50111	53 3/4	24	1 1/2	50885	Heavy Duty 54"

Features

- Laminated maple, hardwood work surface 1-1/2" for the Heavy Duty Series



50885W

WILLIAMS®

HEAVY DUTY SERVICE CARTS

Heavy Duty Industrial Cart

Product Code	Description
50726	4 Drawer Heavy Duty Industrial Cart

Service Carts Overall Dimensions

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)
50726	30	20 1/2	40 1/2

Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	11	19 1/8	3
1	25	16 1/4	3
1	25	16 1/4	6 5/8

Features

- Heavy duty steel construction
- High gloss power coat scratch resistant paint
- Quality swivel casters on all units
- Drawer units have 45 mm "secure latch" ball bearing slides



50726

WILLIAMS®

SERVICE CARTS

Easy and convenient access to tools when and where you need them.

Product Code	Description
50721	2 Drawer with Lockable Lid & Tray, Black
50722	2 Shelves, Red
50723	2 Shelves with Locking Drawer, Red
50724	4 Drawers with Lid, Rack and Shelf, Red

Service Cart Overall Dimensions

Product Code	Width (inches)	Depth (inches)	Height (inches)
50721	45 1/2 with a lid	16 1/2	36
50722	30	17	36 7/32
50723	30	17	36 7/32
50724	41	17	36 7/32

Features

- High gloss powder coat paint is scratch & chemical resistant
- Storage drawers for frequently used tools
- Heavy duty undercarriage to help support bottom tray load
- 18 gauge heavy duty steel
- 4" x 1" swivel casters


50721


50723


50722


50724

⚠WARNING



50950



WILLIAMS®

JOB SITE BOXES

Designed for the toughest outdoor work environments

Product Code	50950	50951	50952	50953
		Overall (Inches)		
Width	32	42	48	48
Depth	19	20	24	30
Height	17 1/2	23 1/2	27 1/2	33 1/2
		Inside of body (Inches)		
Width	31	41 7/8	47 7/8	47 7/8
Depth	18 7/8	19 7/8	23 7/8	29 7/8
Height	11 1/8	17	21 1/8	27 1/8
		Inside of top Lid (Inches)		
Width	31 7/8	41 7/8	47 7/8	47 7/8
Depth	18 7/8	19 7/8	23 7/8	29 7/8
Height	2 5/8	2 5/8	2 5/8	2 5/8
50949	6" x 2" Swivel Caster Set			

Features

- Caster weight capacity is 3500 lbs, sold separately.
- Tough industrial powder coating finish
- Heavy 16 gauge steel construction with 12 gauge feet
- Recessed and concealed locking area protects padlock for ultimate security against drills and bolt cutter
- Fully welded seams provide maximum strength
- Recessed side handles for easy transportation
- Reinforced overlapping lid provides protection from weather and forced entry
- Heavy duty industrial lid stays prevents accidental closure
- Tread plate design for rugged durability



50954

WILLIAMS®

JOB SITE BOXES

Designed for the toughest outdoor work environments

Product Code	Width (inches)	Depth (inches)	Height (inches)
50954	48	24	28 3/8
50949	6" x 2" Swivel Caster Set		

Features

- Caster weight capacity is 3500 lbs, sold separately.
- Tough industrial powder coating finish
- Super heavy gauge steel construction
- Recessed locking area protects contents.
- Fully welded seams provide maximum strength
- Reinforced overlapping lid provides protection from weather and forced entry
- Heavy duty industrial lid stays open prevents accidental closure
- 4 way entry skid for easy handling.
- 16 gauge steel construction with 12 gauge feet.

WILLIAMS®

HEAVY-DUTY ROAD BOXES - 26" AND 34"

Designed with extra heavy-duty features for mobile use in the factory or on the road in service trucks.

Product Code	Description
50947B	34" 5-Drawer Heavy Duty Road Box / Top Chest - Black
50946B	26" 5-Drawer Heavy Duty Road Box / Top Chest - Black
50946RED	26" 5-Drawer Heavy Duty Road Box / Top Chest - Red

50947B Road Box Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
8882	34	17 7/8	23

50947B Road Box Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
3	31	16	2
2	31	16	4 1/2

50946B and 50946RED Road Box Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
6749	26	17 7/8	22

50946B and 50946RED Road Box Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	22 7/8	16 1/4	3 3/4
3	22 7/8	16 1/4	1 1/2

Features

- Drop front panel has neoprene water & dust resistant seal.
- Shielded hinges for long life in harsh environments.
- Cushion feet pads attached to bottom for protection.
- Extra heavy duty metal with 75 lb load rating per drawer, ball bearing slides.
- Secure key internal locking system.



50946B



50946RED

WILLIAMS®

WORK BENCH

Heavy duty steel construction

Product Code	Width (inches)	Depth (inches)	Height (inches)
50921	71 3/4	25 3/4	34 13/16
50920	71 3/4	26 11/16	58 7/8
50922	57 1/4	25 3/4	34 7/8
50923	45 1/4	25 3/4	34 7/8
50924	36	25 3/4	34 7/8

Features

- 50920 includes pegboard
- Heavy duty steel construction
- High gloss powder coat scratch resistant paint
- Back and side roll-off panel prevents tools and hardware from rolling off the bench



50923



50920

⚠WARNING



TB-6024RA

WILLIAMS

SUPER VALUE SERIES 26" CHEST

Product Code	Description
TB-6024RA	26" 6-Drawer Top Chest with Drop Front

TB-6024RA Top Chest, Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
3.073	26	12	14 ½

Top Chests, Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
3	23	10 ½	2
3	7	10 ½	2

Features

- Heavy bottom support rails.
- High gloss powder coat paint is scratch & chemical resistant.
- Heavy gauge metal for a lifetime of use.
- Double wall construction for greater strength.
- Standard compound friction slides.
- TB-6024A pictured with optional tote tray.



TB-6124A

WILLIAMS

26" FLAT TOP TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6124A	26	8 ¾	9	1980

- Ruggedly constructed hand tool box.
- Extra long tools up to 25" fit neatly inside.
- Three compartment tray with socket divider to keep small tools better organized and close at hand.
- Double drawbolts keep the lid tightly closed.
- Padlock eye with slotted hasp provides security.



TB-6121

WILLIAMS

21" FLAT TOP TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6121	21 ¼	8 ¾	12	1971

- Ruggedly constructed hand tool box
- Three compartment tray with socket divider to keep small tools better organized and close at hand.
- Double drawbolts keep the lid lightly closed.
- Padlock eye with slotted hasp provides security



TB-6123

WILLIAMS

21" FLAT TOP TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6123	21	8 ¾	12	1606

- Ideal for general use
- Steel tote tray keeps smaller Items handy
- Combination drawbolt and padlock eye provide security

21" FOUR TRAY CANTILEVER TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6218A	21 ¼	8 ¾	12	1971

- Four trays cantilever outward when box is open providing access to the exceptionally deep box.
- Two of the trays feature movable dividers and another has a protective cover to prevent small tools or parts from spilling into the box.
- Formed feet in the box bottom add to strength and keep the box away from wet, dirty surfaces.



TB-6218A

20" HIP ROOF TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6220A	20	7	8	959

- Hip roof design for fitting bulky tools.
- Ideal for tradesman who carries bulky drills or 3/4 inch drive sets.
- Extra large tote tray with deeper space between handle and tray bottom.
- Combination drawbolt and padlock eye provide security.



TB-6220A

19" FLAT TOP TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6119A	19	6	6 ½	741

- Ideal for general use.
- Steel tote tray keeps smaller Items handy.
- Combination drawbolt and padlock eye provide security.



TB-6119A

16" FLAT TOP TOOLBOX WITH TRAY

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6116	16	6	6 ½	574

- Ruggedly constructed hand tool box
- Three compartment tray with socket divider to keep small tools better organized and close at hand.
- Double drawbolts keep the lid lightly closed.
- Padlock eye with slotted hasp provides security



TB-6116

⚠WARNING



4750PTB60



4750PTB65

BAHCO

PLASTIC TOOL BOXES

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
4750PTB50	19 ½	10 ½	11 ½
4750PTB60	23 ½	11 ½	12
4750PTB65	25 ½	11 ½	12

Features

- When lifted the aluminum handle blocks the bottom from accidentally opening.
- Small Transparent detachable boxes are perfect for organizing small items
- Portable tray
- Heavy duty boxes made of virgin polypropylene are resistant to hot and cold temperatures.
- Strong and sturdy boxes, 2 mm thick, can take high load capacity, even allowing the user to stand on them.
- Metallic latches are galvanized making them durable and rust resistant. Pad lock can be added to the box.



4750PTW47

BAHCO

PLASTIC TOOL BOX ON WHEELS

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
4750PTW47	24 ¾	11 ½	18 ½

Features

- The upper box can be used as a regular tool box and the bottom box is perfect for heavier tools.
- Wheels are made of PP and EVA, for smooth and silent rolling and absorbing of impacts.
- Two small transparent detachable boxes are perfect for organizing small items
- Portable tray
- Heavy duty boxes made of virgin polypropylene are resistant to hot and cold temperatures.
- Strong and sturdy boxes, 2 mm thick, can take high load capacity, even allowing the user to stand on them.
- Metallic latches are galvanized making them durable and rust resistant. Top and bottom sections are connected with latches.



4750FB4-18



BAHCO

LAPTOP AND TOOL BAG WITH HARD BOTTOM

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
4750FB4-18	17	6	13 ¾

Features

- 600 Denier polyester prevents the bag from damage and provides flexibility and is lightweight.
- Plastic hard bottom and double stitching reinforcement is 100% waterproof and easy to clean.
- Pockets provide easy access to tools
- Detachable compartments
- Padded compartment is ideal for laptop.
- Tools not included

24" OPEN TOOL BAG WITH WHEELS

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
4750FB2W-24A	24	12	15 ¾

Features

- 600 Denier polyester prevents the bag from damage and provides flexibility and is lightweight.
- Plastic hard bottom and double stitching reinforcement is 100% waterproof and easy to clean.
- Heavy duty PVC zippers makes closing and opening quick and easy.
- Pockets provide easy access to tools
- Big side pouches: left side is detachable and right side is fixed.
- Special size pocket for 10" tablet
- Telescopic handle – max 38"
- Wheels provide easy quiet rolling



4750FB2W-24A

19" OPEN TOOL BAG WITH HARD BOTTOM

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
4750FB1-19A	19	9	14

Features

- 600 Denier polyester prevents the bag from damage and provides flexibility and is lightweight.
- Plastic hard bottom and double stitching reinforcement is 100% waterproof and easy to clean.
- Heavy duty PVC zippers makes closing and opening quick and easy.
- Velcro straps store long tools on both upper sides of the bag.
- Soft grip handles made of rubberized material provides a user friendly grip and isolates against cold temperature.



4750FB1-19A

19" TOOL BAG WITH HARD BOTTOM

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
4750FB1-19B	19	9	14

Features

- 600 Denier polyester prevents the bag from damage and provides flexibility and is lightweight.
- Plastic hard bottom and double stitching reinforcement is 100% waterproof and easy to clean.
- Velcro straps store long tools on both upper sides of the bag.
- Soft grip handles made of rubberized material provides a user friendly grip and isolates against cold temperature.
- Easy access to the handle through the cover
- Pockets provide easy access to tools
- Internal detachable tool panel with Velcro system for quickly taking out and returning tools.



4750FB1-19B

⚠WARNING



4750FB2-19A

CLOSED TOOL BAG WITH HARD BOTTOM

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
4750FB2-19A	19	9	14
4750FB2-24A	24	10	15

Features

- 600 Denier polyester prevents the bag from damage and provides flexibility and is lightweight.
- Plastic hard bottom and double stitching reinforcement is 100% waterproof and easy to clean.
- Heavy duty PVC zippers makes closing and opening quick and easy.
- Quick adjustable straps store long tools.
- Multiple internal and external pockets



4750FB3-12

12" ELECTRICIAN'S BAG WITH HARD BOTTOM

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
4750FB3-12	11 ½	7 ½	11 ½

Features

- 600 Denier polyester prevents the bag from damage and provides flexibility and is lightweight.
- Plastic hard bottom and double stitching reinforcement is 100% waterproof and easy to clean.
- Pockets provide easy access to tools
- Cable loop holder
- Central big compartment for bit tools and materials.



4750FB5A



4750FB5B



4750FB5C

TOOL ORGANIZERS

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
4750FB5C	16	12	3 ½
4750FB5B	13	10 ½	2 ¾
4750FB5A	11	6 ¾	2 ¼

Features

- Perfect for organizing tools
- Elastic straps for tool distribution in the bottom and upper side.
- Card holder on the front and label holder on the side for quick identification.

THREE POUCH BELT SET

Product Code	Dimensions W x H (Inches)
4750-3PB-1	27 x 10

Features
- 5 Hand Pockets
- Strong construction with riveted reinforcement
- Easy to adjust comfortable nylon belt with 2 inch quick release buckle



4750-3PB-1

UNIVERSAL POUCH

Product Code	Dimensions W x H (Inches)
4750-UP-1	12 x 11

Features
- Riveted for unbreakable strength
- Leather slots ideal for holding longer tools.
- Measuring tape clip
- Two deep multi purpose open pockets provide for quick tool recognition.



4750-UP-1

ELECTRICIANS POUCH

Product Code	Dimensions W x H (Inches)
4750-EP-1	10 x 12

Features
- Universal tool loop for larger tools to keep them organized
- Chain hook for easy access to insulated tapes.
- Main deep pocket for safe storage
- Additional pocket for smaller tools
- Real leather slots on the sides.



4750-EP-1

TWO POCKET POUCH

Product Code	Dimensions W x H (Inches)
4750-2PP-1	9 x 11

Features
- Wide pockets hold plenty of tools
- Pocket position prevents tools from falling out.



4750-2PP-1

WARNING



4750-HDLB-1

BAHCO

HEAVY DUTY LEATHER BELT

Product Code	Dimensions W x H (Inches)
4750-HDLB-1	2 x 52

Features

- Fits waist 28" to 50"



4750-HHO-2

BAHCO

HAMMER HOLDER

Product Code	Dimensions W x H (Inches)
4750-HHO-2	4 x 11

Features

- Fits Bahco heavy duty leather belt
- Quick access to hammer
- Keeps hammer at a comfortable angle.



4750-KP-1

BAHCO

ANTI SLIP KNEE PADS

Product Code	Dimensions W x H (Inches)
4750-KP-1	4 x 7

Features

- Universal lightweight knee pads for different kinds of surfaces
- Heavy duty cups ensure comfort and safety when used in difficult conditions.
- Elastic straps with hook and loop fasteners for easy adjustment to leg sizes.
- Perfect on uneven surfaces.

WILLIAMS®

TOOL TOTE BAGS

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
JHW TOTE BAGA	14	11	10

Features
- Constructed from heavy Cordura® for maximum durability.
- Ideal for storing and toting tools, parts, and supplies.
- Heavy duty zippers for extra long life.



JHW TOTE BAGA

BAHCO®

36" TOOL BAG

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
AG-BAG-36	36	12	12

Features
- Two Handles
- Ideal for storing and toting tools, parts and supplies



AG-BAG-36

BAHCO®

17" OPEN TOTE CADDY TOOL BAG ORGANIZER

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
3100TB	17	10	13

Features
- Hard plastic bottom keeps moisture out of organizer
- Two Handles
- Ideal for storing and toting tools, parts and supplies



3100TB

WILLIAMS®

METAL SOCKET SET TOOLBOXES

Rugged storage for Williams' premium socket sets

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Gauge
TB-101	10	7	1 ½	22
TB-102	13	9	1 ¾	22
TB-103	18	8	2	22
TB-104	25	9	2	20
TB-12	30 ¼	11 ½	4 ¾	18
TB-35	14 ½	5 ½	1 ¾	22
TB-49	24 ⅞	8 ⅛	3 ⅞	18

Features
- Ruggedly constructed for long life.
- Ideal for storing socket sets, other tools, and small parts.
- Made from cold-rolled steel.

USA Made in U.S.A.



TB-103

WILLIAMS®

METAL SOCKET RAILS AND CLIPS

Product Code	Description	Material	Length (Inches)
R-9	Socket Rail	Metal	9
R-13R	Socket Rail	Metal	13
R-17	Socket Rail	Metal	17

Product Code	Description	Material	Drive Size (Inches)
RC-25	Socket Clip	Metal	¼
RC-37	Socket Clip	Metal	⅜
RC-50	Socket Clip	Metal	½
RC-75	Socket Clip	Metal	¾

* Socket clips sold individually * All rails hold any size clips

USA Made in U.S.A.

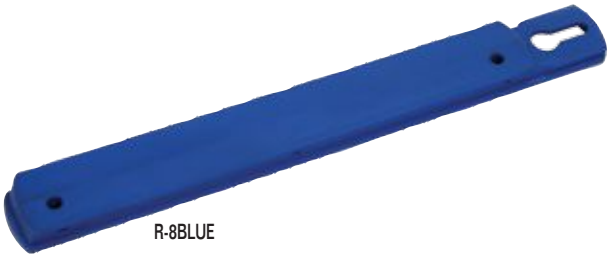


R-9

⚠WARNING



RC-37-15P



R-8BLUE

WILLIAMS®

PLASTIC SOCKET RAILS AND CLIPS

Product Code	Description	Material	Length (Inches)
R-8BLUE	Socket Rail - Blue	Plastic	8
R-8RED	Socket Rail - Red	Plastic	8
R-13BLUE	Socket Rail - Blue	Plastic	13
R-13RED	Socket Rail - Red	Plastic	13
R-18BLUE	Socket Rail - Blue	Plastic	18
R-18RED	Socket Rail - Red	Plastic	18

Product Code	Description	Package Quantity	Drive Size (Inches)
RC-25-15P	Socket Clip	15 Pack	¼
RC-37-15P	Socket Clip	15 Pack	⅜
RC-50-15P	Socket Clip	15 Pack	½

* Socket clips sold individually

* All rails hold any size clips



R-4A

WILLIAMS®

ROLL POUCHES

Customize Your Own Tool Sets

Product Code	Number of Pockets	Width (Inches)	Height (Inches)
R-1A	5	6	7 ½
R-2A	5	8	12
R-3A	5	11 ½	15 ½
R-4A	5	12 ½	18 ½
R-5A	5	16	25
R-8A	15	17 ¼	10 ½
R-10A	10	19 ¾	17 ¼
R-11A	10	26 ½	25
R-13A	10	34 ½	32
R-14A	14	20 ¼	9 ¾
R-15A	8	15 ¼	16 ¾
R-20A	14	14 ½	8
R-23A	8	23 ¼	26
R-24A	4	8 ¾	11
R-27A	17	23 ¼	17 ¾
R-28A	26	19 ½	27
R-29A	8	11	12 ¾
R-30A	9	14 ⅝	13
R-31A	6	13 ¼	16
R-36A	9	9 ¼	10 ½
R-37A	15	37	26 ½
R-38A	7	13	16 ¾
R-41A	11	24	20
R-42A	7	12 ¾	16
R-43A	7	13	16 ½
R-47A	7	12 ¾	14 ½
R-48A	3	15 ¼	9 ¼
R-49A	12	25 ⅝	29

Features

- Heavy construction for long life.
- Ideal for storing a variety of tools such as wrenches, extensions, and ratchets.



50001A



50003A

WILLIAMS®

VINYL POUCHES

Customize Your Own Tool Sets

Product Code	Width (Inches)	Height (Inches)
50001A	4 ½	12 ½
50003A	6	15
50005A	7 ½	19
50007A	9 ½	19
097411A	6	⅜
099965A	9 ½	⅛

Features

- Extra heavy construction with snap fastening
- Clear plastic front panels allows full visibility to tools
- Metal grommets allow pouch to be hung on pegboard

WILLIAMS®

REPLACEMENT CASTERS

Heavy Duty Casters

Product Code	Type	Size	Series	Tool Storage Part #	Max Load
50938	Rigid	6 x 2	Heavy Industrial, 54",&73"	50885, 50990	900
50939	Swivel	6 x 2			900
50936	Rigid	6 x 2	Heavy Industrial, 27", 36", 41" Commercial 75"	50887, 50888, 50890, 50992	600
50937	Swivel	6 x 2			600
50934	Rigid	5 x 2	Commercial 27" & 42"	50866, 50891, 50895, 50902, 50903	412
50935	Swivel	5 x 2			412



Features

- Caster - 6" in height

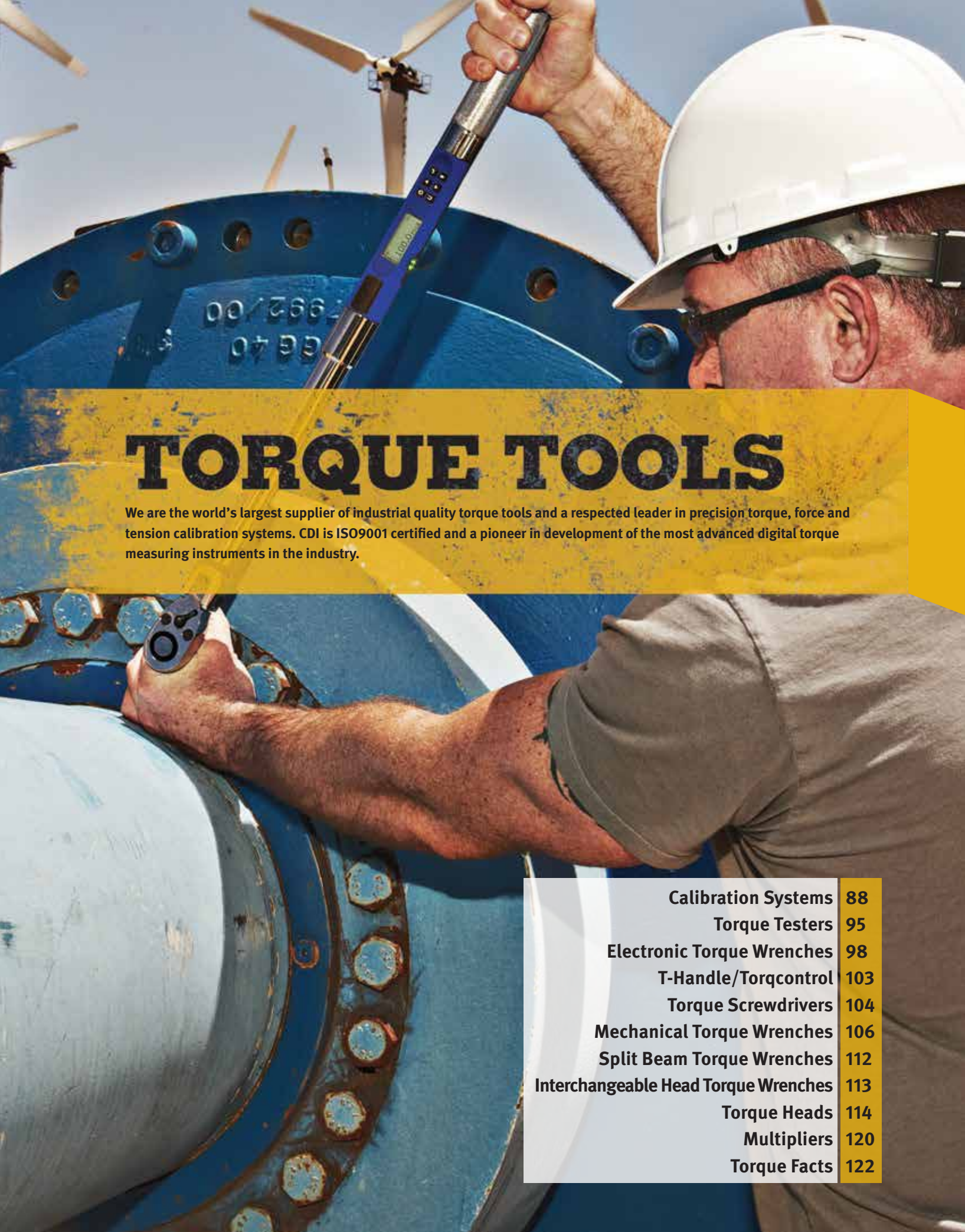


WILLIAMS®

REPLACEMENT LOCK AND KEYS

Product Code	Tool Storage Product Code
50960	50743
50961	50792
50962	50748, 50765, 50778, 50860, 50861, 50865, 50866, 50872, 50873, 50880, 50881, 50885, 50887, 50888, 50890, 50891, 50895, 50902, 50903
50963	50766, 50767, 50768, 50769
50967	50790, 50791, 50946
50968	50740, 50741, 50744
50969	50764, 50990, 50992
50971	50730
50980	50883, 50884
50974	Key Only - Professional Series
50975	Lock Only - Professional Series

⚠WARNING



TORQUE TOOLS

We are the world's largest supplier of industrial quality torque tools and a respected leader in precision torque, force and tension calibration systems. CDI is ISO9001 certified and a pioneer in development of the most advanced digital torque measuring instruments in the industry.

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CDI TORQUE PRODUCTS®

MULTITEST CALIBRATION SYSTEMS

The **MULTITEST Torque, Force and Tension Calibration System** is the most sophisticated system available in the industry. This system will test and calibrate most types of torque wrenches, torque screwdrivers, torque multipliers, cable tensiometers, tension and compression gauges and non-impact power tools such as nutrunners and electric screwdrivers.

The Multitest Calibration System can be ordered several ways. Each system begins with the same three basic components: the Multitest Digital Monitor, the Roller Cabinet and the 2000 ft. lb. Mechanical Loader. We offer three different systems, the "Premier", the "Supreme" and the "Basic". These systems and their components are described in detail on the next few pages.

In addition, you may order any component separately to build your own "custom" system.

Features

- Automatic sensor recognition with "smart" transducers
- Range: 5 in. oz. to 2000 ft. lb. torque (bi-directional)
- Accuracy: ± 0.25% of indicated value, cw & ccw, from 10% to 100% of full scale, (except 2000-4-02*)
- Built-in, low profile serial printer
- Date and time stamp for stored values
- Statistical analysis performed on stored data
- Stores up to 3000 torque values
- Programmable manual or automatic options for clear, store and print functions
- 110 or 220 Volts selectable. Foreign plugs are included
- Recall and review of stored torque values
- Track, peak, first peak, power tool modes
- RS232C port, analog output
- Eight torque measurement units: in. oz., in. lb., ft. lb., Nm, dNm, cNm, mkg and cmkg
- Six force units: ounce, pound, newton, deciNewton, kilopound (kilogram) and gram
- Automatic lock-up for transducer protection
- All transducers supplied with certification
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.

MULTITEST CALIBRATION SYSTEMS INCLUDE:

CDI #	Description	(mechanical) 2000-1	(mechanical) 2000-2	(mechanical) 2000-3	(motorized) 2800-1	(motorized) 2800-3
Various	Digital Monitor	X	X	X	X	X
2000-600-02	Mechanical Loader Max 2000 ft.lbs.	X	X	X	X	X
2000-100-02	Roller/Storage Cabinet	X	X	X	X	X
2000-400-02	4 in 1 Transducer 4 in. lb. to 250 ft. lbs.	X	X	X		
2000-500-02	4 in 1 Transducer Adapter Kit	X	X	X		
2000-4-02	Transducer Range from 5-50 in. ozs.	X	X			
2000-5-02	Transducer Kit-Range 15-200 in. ozs.	X	X			
2000-6-02	Transducer Kit-Range 4-50 in. lbs.	X				
2000-65-02	Transducer Kit-Range 15-150 in. lbs.	X				
2000-7-02	Transducer Kit-Range 30-400 in. lbs.	X				
2000-8-02	Transducer Kit-Range 80-1000 in. lbs.	X				
2000-10-02	Transducer Kit-Range 10-125 ft. lbs.	X				
2000-11-02	Transducer Kit-Range 20-250 ft. lbs.	X				
2000-12-02	Transducer Kit-Range 60-600 ft. lbs.	X				X
2000-13-02	Transducer Kit-Range 100-1000 ft. lbs.	X	X			
2000-14-02	Transducer Kit-Range 200-2000 ft. lbs.	X	X			X
900-0-1KIT	1/4", 50 in. lb. Joint Rate Simulator	X	X			
900-2-01KIT	3/8", 400 in. lb. Joint Rate Simulator	X	X			
900-3-01KIT	3/8", 1000 in. lb. Joint Rate Simulator	X	X			
2000-550-02	Extension Arm Reach up to 80"	X	X		X	X
2000-750-02	Torque Screwdriver Testing Kit	X				
2000-320-0	Weight Set #1	X				
2500-50-0	2 1/2" Calibration Wheel	X				
2000-151-0	5" Calibration Wheel	X				
2000-152-0	10" Butterfly Calibration Wheel	X				
2000-154-0	40" Calibration Arm	X				
390-2-2	4 oz. Calibration Weight Tray	X				
2000-301	8 oz. Calibration Weight Tray	X				
2000-304-0	7.5 lb. Calibration Weight Tray	X				
2000-302-0	15 lb. Calibration Weight Tray	X				
2000-303-0	50 lb. Calibration Weight Tray	X				
2000-250-02	Calibration Stand Kit	X				
2000-260-0	Force (Tensiometer) Testing Kit	X				
2000-261-0	Force (Tension) Gage Kit	X				
2000-262-0	Force (Compression) Gage Kit	X				
2000-263-02	Force Arm Kit-Small and Large Arms	X				
2000-SW	Wedgelink Software	X	X			X
2000-50-1	Cable from Multitest to PC	X	X			X

USA Made in U.S.A.

⚠WARNING



CDI TORQUE PRODUCTS

MULTITEST PREMIER CALIBRATION SYSTEM

CDI's All Inclusive Calibration System Model 2000-1

Features

- Our most comprehensive calibration system for torque and force
- Calibrate torque wrenches up to 2000 ft. lbs.
- Check the accuracy and calibrate cable tensiometers, tension and compression gauges
- Includes the easy-to-use 4-in-1 transducer kit
- Eleven single transducers ranging from 5 in. oz. up to 2000 ft. lbs.
- Includes torque screwdriver testing kit
- Automatic safety feature locks system to prevent overloading and possible damage to transducers
- Displays eight units of torque and six units of force
- Also includes a calibration stand and all necessary calibration wheels, arms, weights and trays
- Downloading software included

MODEL 2000-1 INCLUDES:

Product Code	Description
2000-610-02	MULTITEST Monitor
2000-600-02	Mechanical Loader 2000 ft. lb. capacity
2000-100-02	Roller Cabinet
2000-400-02	4 in 1 Transducer Kit, 4 in. lbs. to 250 ft. lbs.
2000-500-02	4 In 1 Transducer Adapter Kit
2000-4-02*	Transducer Range From 5 - 50 in. ozs. (*± 0.5%)
2000-5-02	Transducer Range From 15 - 200 in. ozs.
2000-6-02	Transducer Range From 4 - 50 in. lbs.
2000-65-02	Transducer Range From 15 - 150 in. lbs.
2000-7-02	Transducer Range From 30 - 400 in. lbs.
2000-8-02	Transducer Range From 80 - 1000 in. lbs.
2000-10-02	Transducer Range From 10 - 125 ft. lbs.
2000-11-02	Transducer Range From 20 - 250 ft. lbs.
2000-12-02	Transducer Range From 60 - 600 ft. lbs.
2000-13-02	Transducer Range From 100 - 1000 ft. lbs.
2000-14-02	Transducer Range From 200 - 2000 ft. lbs.
900-0-1KIT	Joint Rate Simulator 50 in. lbs. capacity
900-2-01KIT	Joint Rate Simulator 400 in. lbs. capacity
900-3-01KIT	Joint Rate Simulator 1000 in. lbs. capacity

Product Code	Description
2000-550-02	Extension Arm Kit for Long Torque Wrenches
2000-750-02	Torque Screwdriver Testing Kit
2000-320-0	No. 1 Weight Set
2500-50-0	2-1/2" Calibration Wheel
2000-151-0	5" Calibration Wheel
2000-152-0	10" Butterfly Wheel
2000-154-0	40" Calibration Arm
390-2-2	4 oz. Weight Hanger
2000-301	8 oz. Weight Hanger
2000-304-0	7.5 lb. Weight Hanger
2000-302-0	15 lb. Weight Hanger
2000-303-0	50 lb. Weight Hanger
2000-250-02	Calibration Stand Kit
2000-260-0	Tension Meter
2000-261-0	Force Gauge
2000-262-0	Compression Gauge
2000-263-02	Force Arm Kit
2000-SW	PC Software
2000-50-3	PC Cables Multitest/Suretest

Made in U.S.A.



4 in 1 Transducer Kit with Mounting Adapter



Multitest Digital Monitor with Soft Touch Keys.

Snap this code with your smartphone to watch the video!

CDI TORQUE PRODUCTS

MULTITEST SUPREME CALIBRATION SYSTEM

CDI's Torque-Only System Model 2000-2. Listed below are all of the components to CDI's "Supreme" MULTITEST Torque Calibration System. This is our mid-range system for torque, which has a range from 5 in. ozs. to 2000 ft. lbs. Designed for the user who requires precision accuracy and reliability in a torque calibration system. This set includes an extension arm for long torque wrenches and 3 joint rate simulators for testing power tools. (Not for use with impact and pulse tools.) PC compatible software and cables are also included.



MODEL 2000-2 INCLUDES:

Product Code	Description
2000-610-02	Multitest Digital Monitor
2000-600-02	Mechanical Loader Max 2000 ft.lb.
2000-100-02	Roller / Storage Cabinet 55" W x 24" D x 38" H
2000-400-02	4 in 1 Transducer Kit-Range 4 in. lb. to 250 ft. lb.
2000-500-02	4 in 1 Transducer Adapter Kit
2000-4-02*	Transducer Range From 5 - 50 in. ozs. (*± 0.5%)
2000-5-02	Transducer Kit-Range 15-200 in. oz.
2000-12-02	Transducer Kit-Range 60-600 ft. lb.
2000-13-02	Transducer Kit-Range 100-1000 ft. lb.
2000-14-02	Transducer Kit-Range 200-2000 ft. lb.
2000-550-02	Extension Arm for Long Torque Wrench, Reach up to 80"
900-0-1KIT	1/4" drive, 50 in. lb. Capacity Joint Rate Simulator
900-2-01KIT	3/8" drive, 400 in. lb. Capacity Joint Rate Simulator
900-3-01KIT	3/8" drive, 1000 in. lb. Capacity Joint Rate Simulator
2000-SW	Wedgelink Software
2000-50-3	PC Cables Multitest/Suretest

USA Made in U.S.A.



4 in 1 Transducer Kit with Mounting Adapter.

MULTITEST BASIC CALIBRATION SYSTEM

Listed below are all of the components to CDI's "Basic" MULTITEST Calibration System Model 2000-3. The system includes the 4 in 1 transducer, which is capable of calibrating torque tools from 4 in. lbs. through 250 ft. lbs. Also included is the 2000 ft. lb. loader and the MULTITEST monitor.

MODEL 2000-3 INCLUDES:

Product Code	Description
2000-610-02	Multitest Digital Monitor
2000-600-02	Mechanical Loader Max 2000 ft.lb.
2000-100-02	Roller / Storage Cabinet 55" W x 24" D x 38" H
2000-400-02	4 in 1 Transducer Kit-Range 4 in. lb. to 250 ft. lb.
2000-500-02	4 in 1 Transducer Adapter Kit

USA Made in U.S.A.

Snap this code with your smartphone to watch the video!

Snap-on Industrial Brands offers factory torque training at our manufacturing facility in the City of the Industry, California. We also offer the same top tier training on-site at your location. Training includes a certificate of completion for each student. All of our training is full immersion hands-on training, not just reading from an instruction manual. Contact your representative for details.

WARNING



CDI TORQUE PRODUCTS

MULTITEST MOTORIZED SYSTEMS

CDI has taken torque calibration to a higher level. Increase your productivity with the 2000 ft. lb. fully automatic motorized loader. Designed for the high volume calibration laboratory that requires a high-speed, automatic torque calibration system. In the automatic mode, the **MULTITEST Motorized System Model 2800-1** will cycle, test and calibrate most torque wrenches. With our optional kits, you can calibrate torque screwdrivers, cable tensiometers, tension and compression gauges utilizing the manual mode, (hand crank only).

The MULTITEST Motorized System consists of the Monitor, Motorized Loader, Roller Cabinet and Extension Arm. Please order the transducers separately based on your individual needs. (Not for use with impact and pulse tools.)

Features

- Automatic sensor recognition with "smart" transducers
- Range: 5 in. oz. to 2000 ft. lb. torque (bi-directional)
- Accuracy: ± 0.25% of indicated value, cw & ccw, from 10% to 100% of full scale
- Dual mode function (manual & automatic)
- Automatic speed control
- Built-in, low profile serial printer
- Date and time stamp for stored values
- Statistical analysis performed on stored data
- Emergency stop button
- Programmable manual or automatic options for clear, store and print functions
- Recall and review of stored torque values
- Track, peak, first peak, power tool modes
- RS232C port, analog output
- Eight torque measurement units: in. oz., in. lb., ft. lb., Nm, dNm, cNm, mkg and cmkg
- Six force units: ounce, pound, newton, deciNewton, kilopound and gram
- Automatic lock-up for transducer protection
- All transducers are individually serialized with matching certificate of calibration traceable to N.I.S.T.



Dual Mode Function Manual and Automatic

MODEL 2800-1 INCLUDES:

Product Code	Description
2000-810-01	MULTITEST Digital Monitor
2000-800-02	Motorized Loader with roller cabinet
2000-550-02	Extension Arm for Long Torque Wrench, Reach up to 80"

MODEL 2800-3 INCLUDES:

Product Code	Description
2800-1	Base System (see system for details)
2000-400-02	4-in-1 Transducer Kit, 4 in. lbs. to 250 ft. lbs.
2000-500-02	Bracket for 4-in-1 Transducer Adapter Kit
2000-12-02	Transducer Range from 60 - 600 ft. lbs.
2000-14-02	Transducer Range from 200 - 2000 ft. lbs.
2000-SW	Software
2000-50-3	PC Cables Multitest/Suretest

Made in U.S.A.

Snap this code with your smartphone to watch the video!

Snap-on Industrial Brands offers factory torque training at our manufacturing facility in the City of the Industry, California. We also offer the same top tier training on-site at your location. Training includes a certificate of completion for each student. All of our training is full immersion hands-on training, not just reading from an instruction manual. Contact your representative for details.

CDI TORQUE PRODUCTS®

SURETEST CALIBRATION SYSTEMS

The **SURETEST Model 5000-1** is a laboratory grade instrument which captures torque measurements with a user friendly interface. It features a large LCD graphic display. It may be used with a single transducer or can be used as the principal component of a Torque Calibration System.

The SURETEST Model 5000-2 is a midrange torque system with a range of 5 in. ozs. to 2000 ft. lbs.

The SURETEST features versatile data acquisition capabilities including measurement storage retrieval, statistical analysis and automatic downloading to an external printer/computer. The SURETEST stores, recalls and downloads up to 3000 torque readings. The system provides readings with an accuracy of ± .25% of indicated value and features multiple languages: English, Spanish, French, Japanese and German.

The SURETEST Torque Calibration System may be ordered in three different combinations. The "Premier", the "Supreme" and the "Basic" systems are described on these pages. In addition, you may order any component separately to build your own "custom" system.



Features

- Large LCD graphical display
- Five built-in languages
- Date and time stamp
- Dual RS-232 ports, analog output
- SPC built-in
- Automatic downloading
- Accuracy: ± 0.25% of indicated value, CW & CCW, from 10% to 100% of full scale
- Transducers available from 5 in. ozs. to 2000 ft. lbs. of torque
- All transducers are "smart" (plug and play)
- Readout in eight different engineering units
- Stores and recalls 5000 torque values (date & time)
- Fully automatic voltage input adaptation (100 - 240 VAC input)
- Data is saved when SURETEST is turned off
- All transducers are individually serialized with matching certificate of calibration traceable to N.I.S.T.



Set-up is quick and easy utilizing soft touch keys.


Easy, quick change transducers.

SURETEST CALIBRATION SYSTEMS INCLUDE:

Product Code	Description	5000-1 Premier	5000-2 Supreme
5000-ST	Suretest Monitor w/Cable and Case	x	x
2000-600-02	Mechanical Loader Max 2000 ft.lb.	x	x
2000-100-02	Roller / Storage Cabinet 55" W x 24" D x 38" H	x	x
2000-400-02	4 in 1 Transducer Kit-Range 4 in. lb. to 250 ft. lb.	x	x
2000-500-02	4 in 1 Transducer Adapter Kit	x	x
2000-4-02	Transducer Kit-Range 5-50 in. oz.	x	x
2000-5-02	Transducer Kit-Range 15-200 in. oz.	x	x
2000-12-02	Transducer Kit-Range 60-600 ft. lb.	x	x
2000-13-02	Transducer Kit-Range 100-1000 ft. lb.	x	x
2000-14-02	Transducer Kit-Range 200-2000 ft. lb.	x	x
2000-550-02	Extension Arm for Long Torque Wrench, Reach up to 80"	x	x
900-0-1KIT	1/4" drive, 50 in. lb. Capacity Joint Rate Simulator	x	x
900-2-01KIT	3/8" drive, 400 in. lb. Capacity Joint Rate Simulator	x	x
900-3-01KIT	3/8" drive, 1000 in. lb. Capacity Joint Rate Simulator	x	x
2000-750-02	Torque Screwdriver Testing Kit for 2000-600-02 Loader	x	

Product Code	Description	5000-1 Premier	5000-2 Supreme
2000-320-0	Weight Set #1	x	
2500-50-0	2 1/2" Calibration Wheel	x	
2000-151-0	5" Calibration Wheel	x	
2000-152-0	10" Butterfly Calibration Wheel	x	
2000-154-0	40" Calibration Arm	x	
390-2-2	4 oz. Hanger Calibration Weight Tray	x	
2000-301	8 oz. Hanger Calibration Weight Tray	x	
2000-304-0	7.5 lb. Calibration Weight Tray	x	
2000-302-0	15 lb. Calibration Weight Tray	x	
2000-303-0	50 lb. Calibration Weight Tray	x	
2000-250-02	Calibration Stand Kit	x	
2000-SW	Wedgelink Software	x	x
2000-50-3	PC Cables Multitest/Suretest	x	x

USA Made in U.S.A.

WARNING



CDI TORQUE PRODUCTS®

SURETEST™ BASIC CALIBRATION SYSTEM

The **SURETEST Model 5000-3** is a laboratory grade instrument which captures torque measurements with a user friendly interface. It features a large LCD graphical display. It may be used with a single transducer or can be used as the principal component of a Torque Calibration System.

The SURETEST features versatile data acquisition capabilities including measurement storage, retrieval, statistical analysis and automatic downloading to an external printer/computer. The SURETEST stores, recalls and downloads up to 3000 torque readings. The system provides readings with an accuracy of +/- .25% of indicated value and features multiple languages: English, Spanish, French, Japanese and German.

Features

- Large LCD graphical display
- Five built-in languages
- Date and time stamp
- Dual RS-232 ports, analog output
- SPC built-in
- Automatic downloading
- Accuracy is +/- 0.25% of indicated value, CW & CCW, from 10% to 100% of full scale
- Transducers available from 5 in. ozs. to 2000 ft. lbs. of torque
- All transducers are "Smart" (Plug and Play)
- Readout in eight different engineering units
- Stores and recalls 3000 torque values (Date & Time)
- Fully automatic voltage input adaptation (100 - 240 VAC input)
- Data is saved when SURETEST is turned off
- All transducers supplied with certification
- All transducers are individually serialized with matching certificate of calibration traceable to N.I.S.T.



4 in 1 Transducer Kit with Mounting Adapter.

MODEL 5000-3 INCLUDES:

Product Code	Description
5000-ST	Suretest Monitor w/Cable and Case
600TL-2	Mechanical Loader 600 ft. lb.
2000-400-02	4 in 1 Transducer Kit-Range 4 in. lb. to 250 ft. lb.
2000-500-02	4 in 1 Transducer Adapter Kit
2000-12-02	Transducer Kit-Range 60-600 ft. lb.

Made in U.S.A.

CUSTOM CALIBRATION SYSTEMS

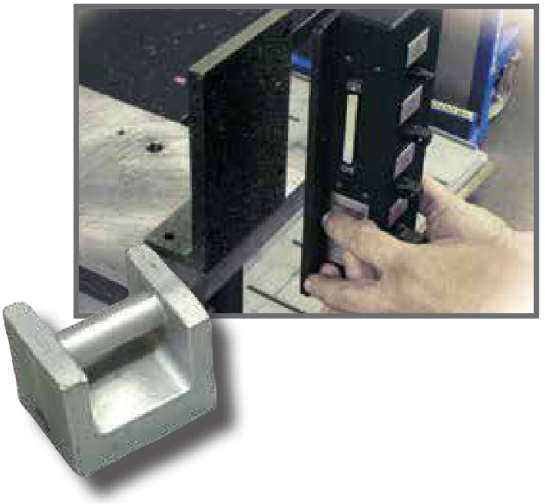
Don't see the exact system you're looking for? Please call customer service to request a quotation on a custom calibration system. We will provide assistance designing a testing system to fit your application and specifications.

Snap this code with your smartphone to watch the video!

CDI TORQUE PRODUCTS

TEST/CALIBRATION ACCESSORIES

CDI's **calibration equipment** is expressly designed to calibrate the complete line of CDI Torque Transducers. All weight trays, arms and brackets supplied by CDI Torque Products are built with precision accuracy to meet the demanding needs of the calibration professional. All calibration wheels and arms are certified as to length, and supplied with a certificate of accuracy, which is traceable to N.I.S.T. (National Institute of Standards and Technology). Weights, trays and hangers are weight certified and are also supplied with a certificate of accuracy traceable to N.I.S.T. Mass Classification is Class F. Mating adapters are available to facilitate the use of the various components. Written procedures are available upon request for calibrating any of CDI's manufactured torque products.



TEST/CALIBRATION ACCESSORIES

Product Code	Description
2000-750-02	Torque Screwdriver Testing Kit for 2000-600-02 Loader
2000-750-06	Torque Screwdriver Testing Kit for 600TL Loader
2000-320-0	Weight Set #1 - For all Transducers
2000-321-0	Weight Set #2 - For 200 in. oz. to 600 ft. lbs.
2000-322-0	Weight Set #3 - For 600 ft. lb. to 2000 ft. lbs.
390-2-2	4 oz. Hanger Calibration Weight Tray
2000-301	8 oz. Hanger Calibration Weight Tray
2000-302-0	15 lb. Calibration Weight Tray
2000-303-0	50 lb. Calibration Weight Tray
2000-304-0	7.5 lb. Calibration Weight Tray
2000-250-02	Calibration Stand Kit
2500-50-0	2½" Calibration Wheel
2000-151-0	5" Calibration Wheel
2000-152-0	10" Butterfly Calibration Wheel
2000-154-0	40" Calibration Arm
2000-152-3	½" x ⅜" Male & Female Reducer Adapter
2000-226-3	¾" x ½" Male & Female Reducer Adapter
2000-226-2	1" x ¾" Male & Female Reducer Adapter
2000-0154-18	1 ¼" x ¾" Male & Female Reducer Adapter
S/2000-221-0	1 ¼" x ¾" Flange Adapter for 40" Arm
2000 Calkit	Complete Calibration Kit up to 2000 ft.lbs.
342-35	Transducer Mounting Bracket up to 1000 in. lb. (TB342/1)
342-36	Transducer Mounting Bracket 125-600 ft. lb. (TB342/2)
2000-150-03	Transducer Bracket, 1000-2000 ft.lb.
343-25	Transducer Mounting Bracket 4 in 1 ETT (TB343)



SOCKET ADAPTERS FEMALE X FEMALE

Product Code	Opening	x	Opening
260-27	1/4" hex	x	1/4" sq
342-40	1/4" sq	x	1/4" sq
342-41-1	1/4" sq	x	3/8" sq
342-41-2	3/8" sq	x	3/8" sq
65-26-2	1/2" sq	x	3/8" sq
65-26-3	1/2" sq	x	1/2" sq
65-78-1	1/2" sq	x	3/4" sq
65-78-2	3/4" sq	x	3/4" sq
75-25-1	1" sq	x	3/4" sq
75-20	1" sq	x	1" sq

⚠WARNING





Turns any ordinary ratchet wrench.....



...into a highly accurate digital torque tool.

CDI TORQUE PRODUCTS®

MULTITORQ TORQUE & DATA COLLECTION SYSTEMS

The **MULTITORQ portable electronic torque meter** displays torque readings from sensors that attach between sockets and driver. MULTITORQ is a highly versatile torque analyzer/data acquisition system that can be used with sockets, extensions, universal joints, ratcheting drivers or any combination of these. Sensors are sold separately, available in 8 ranges from 2-20 in. ozs. to 150-1500 ft. lb. Accuracy ± 1% of reading (± 2% reading for 20 in. oz., and 10 in. lb.) 10-100% of sensor range.

The torque analyzer features a wide angle viewing LCD display with selectable readouts; ft. lb., in. lb., in. oz., Nm, dNm, mkg, and cmkg units. Torque target settings are entered via a push button membrane keyboard. High and low torque limits are adjustable to give an audible and visual alarm. The user selects Track mode to display torque values as they are applied, or Peak mode to display the highest torque value applied.

Features

- 4 digit w/ alpha & numerical function flags
- 4 digit, 8000 counts display capacity
- Accuracy: ± 1% of indicated value, cw & ccw, from 10% to 100% of full scale, 201-O-MT and 101-I-MT are ± 2%
- Soft touch keys: hi/lo alarm, zero tare, set-up, units, store/recall/clear, send, statistics, enter
- Units of measurement: ft. lb., in. lb., in. oz., Nm, dNm, mkg and cmkg
- Storage: -20 to 50 degrees C (-2 to 122 degrees F)
- Humidity: up to 90%, non-condensing
- Dimensions: 3" wide, 2.5" high (3" with belt clip), 6" deep
- Weight: 1 pound
- Charge life (full charge to shutoff): 20 hours continuous
- Battery chargers: 120 VAC
- Optional 220 Volt charger available
- Output: 9VDC, 200mA
- Data storage/recall: 3500 measurements
- Serial output port: RS-232 (true), 300-19.2k baud, and mitutoyo (statistical protocol)
- Rechargeable Ni-Cad batteries
- Reads bi-directionally (cw and ccw)

MULTITORQ TORQUE & DATA COLLECTION SYSTEMS

Standard Set Includes:

Product Code	Description
1600-MT	MULTITORQ Unit includes: power pack/charger (P115-30) and case (1600-50)

Sensors: (sold separately)

Product Code	Torque Range	Drive
201-0-MT	2 - 20 in. oz.	¼"
101-I-MT	1 - 10 in. lb.	¼"
501-I-MT	5 - 50 in. lb.	¼"
2001-I-MT	20 - 200 in. lb.	¼"
1002-F-MT	10 - 100 ft. lb.	⅜"
2503-F-MT	25 - 250 ft. lb.	½"
6004-F-MT	60 - 600 ft. lb.	¾"
15005-F-MT	150 - 1500 ft. lb.	1"

Certificate of accuracy traceable to N.I.S.T. supplied with each transducer.
All components ordered separately.

Optional Accessories:

Product Code	Description
2000-50-1	Download Cable Rs-232 to 9 Pin Serial Point
1800-5027	220 VAC (50-60 Hz) Charger

Made in U.S.A.

CDI TORQUE PRODUCTS

DIGITAL TORQUE TESTER™ (DTT)

TEST THE HEALTH OF YOUR TORQUE WRENCHES – ANYWHERE WITH THE DIGITAL TORQUE TESTER.

Utilizing the testing protocol and standards developed by the American Society of Mechanical Engineers (ASME)

The **Digital Torque Tester™ (DTT)** is designed to be an affordable torque tester that can be mounted on a wall or with the optional table bracket to allow the operator to conveniently test torque wrenches and torque screwdrivers. It features an easy to use touch pad screen to capture peak torque values during a test in real time, and download stored torque data to a PC. All DTT torque testers are sold in a kit with the tester, carrying case and AC/DC power supply.



DIGITAL TORQUE TESTER™ (DTT)

Product Code	Female Drive	Range English	Range cNm, Nm	Range, kgcm
1001-O-DTT	1/4"	10 - 100 in.oz.	7,06 - 70.6 cNm	.720 - 7.20 cmkg
8001-O-DTT*	1/4"	20 - 800 in.oz.	14.1 - 565 cNm	1.44 - 57.6 cmkg
501-I-DTT	1/4"	5 - 50 in.lb.	56 - 565 cNm	5.76 - 57.60 cmkg
1001-I-DTT	1/4"	10 - 100 in.lb.	113 - 1113 cNm	11,5 - 115 cmkg
2502-I-DTT	3/8"	25 - 250 in.lb.	2.82 - 28.25 Nm	28.80 - 288.0 cmkg
4002-I-DTT	3/8"	40 - 400 in.lb.	4.52 - 45.2 Nm	46 - 460 cmkg
10002-I-DTT	3/8"	100 - 1000 in.lb.	11.3 - 113 Nm	115 - 1152 cmkg
2503-F-DTT	1/2"**	25 - 250 ft.lb.	33.8 - 338 Nm	3.45 - 34.5 kgm
6004-F-DTT	3/4"	60 - 600 ft.lb.	81.3 - 813 Nm	8.30 - 83 kgm

Accuracy: ± 0.50% 10% to 100% CW & CCW of indicated test value @ 25° C
*Accuracy: ± 1% CW & CCW from 2-1/2% to 100% of full scale. New for Torque Screwdriver.
Units of Measure: Nm, kgcm, ft.lb., in.lb., in.oz., kgm, cNm
Operation Modes: PEAK, FIRST PEAK
Operating Temperature: 10 to 32° C (50 to 90° F)
Storage Temperature: -20 to 50° C (-2 to 122° F)
Humidity: 85% Relative Humidity @ 21° C (70° F)
Power Supply: Included 9-volt A/C D/C adapter. 6 AA batteries included.
Data Storage/Recall: Memory Capacity – 500 Records
Dimensions: W - 10" x H - 16" x D - 2.5"
Weight: (Tester Only) - 10.7 lbs., (with Carrying Case) - 17.4 lbs.
** Includes 1/2" - 3/8" Reducer

Snap this code with your smartphone to watch the video!

DTT OPTIONAL ACCESSORIES

Product Code	Description
2344-0050-03	Table Mounting Bracket for DTT Series Testers
2344-0051-02	Male SQ Adapter 3/8" x 3/8"
2344-0051-11	1/4" to 1/4" Male x Male Square Adapter
2344-0051-13	1/2" to 1/2" Male x Male Square Adapter
2344-0051-16	3/8" to 1/2" Male x Male Square Adapter
2344-0051-19	3/4" to 1-1/4" Male x Male Square Adapter



Table Mounting Bracket

WILLIAMS

TORQUE COMPARATOR

Large dual scale. Perfect when a quick check of your wrench is required before usage. Compact design allows for mounting on any flat surface in either horizontal or vertical position. Torque Comparator is calibrated on torque testers which are certified using test bars and "F" weights traceable to NIST. +/- 2% accuracy from 20% of full scale to full scale. Calibration Compliance Certificate.

TORQUE COMPARATOR

Product Code	Square Drive	English Capacity	Inc.	Nm, Capacity	Inc.
1753-TC	1/2"	175 ft. lbs.	5 ft. lbs.	230 Nm	10 Nm
6004-TC	3/4"	600 ft. lbs.	5 ft. lbs.	800 Nm	20 Nm

Made in U.S.A.



WARNING



CDI TORQUE PRODUCTS

ETT™ ELECTRONIC TORQUE TESTER

The **ETT (Electronic Torque Tester)** is CDI's portable torque tester. Unlike a torque calibration system, which can be used to generate a torque wrench certification, the ETT is a portable, battery powered stand-alone torque tester. It can also be used on AC power. Its primary use is to check the accuracy of dial and click type torque wrenches and torque screwdrivers to maintain their accuracy in between calibrations. With the addition of a joint rate simulator, ETT can also check stall and clutch type pneumatic and electronic torque tools. It should not be used with any impact or pulse type tools. There are eight models with torque ranges from 10 inch ounces up to 600 foot pounds.

Features

- Integral transducer and sturdy housing allow mounting in virtually any position
- Unique neck design allows the operator to see the LCD display when testing long torque wrenches
- Accuracy: ± 0.5% of indicated value, cw & ccw, from 10% to 100% of full scale + 1 increment or least significant digit
- Four modes of operation: peak mode, power tool mode, first peak mode and track mode
- Dual scale (English/Nm or English/cNm, dNm)
- Auto/manual display reset
- Reads bi-directionally (cw and ccw)
- Rechargeable NiCad batteries
- Designed to be a sturdy low cost tester, ETT can be placed on the wall in the factory, on a portable cart or on a bench allowing operators to test torque wrenches or power tools without having to leave their station

ELECTRONIC TORQUE TESTERS (ETT)

Product Code	Torque Range SAE	Torque Range Newton Meter	Drive Size
1001-OETT	10 - 100 in. oz.	7.0 - 70.6 cNm	¼"
4001-OETT	40 - 400 in. oz.	28 - 280 cNm	¼"
501-I-ETT	5 - 50 in. lb.	5.6 - 56 dNm	¼"
1001-I-ETT	10 - 100 in. lb.	11.3 - 113 dNm	¼"
2502-I-ETT	25 - 250 in. lb.	28 - 280 dNm	⅜"
10002-I-ETT	100 - 1000 in. lb.	113 - 1130 dNm	⅜"
2503-F-ETT	25 - 250 ft. lb.	34 - 339 Nm	½"
6004-F-ETT	60 - 600 ft. lb.	81 - 813 Nm	¾"

Made in U.S.A.

- Use joint simulator with Power Tools
- Power adapter cord included - Part #P115-30
- Bench bracket available - Part #343-25
- Socket adapter included with tester (female to female) suited for size of square drive of ETT



CDI TORQUE PRODUCTS

DIGITAL TORQUE CHECKER

Perfect for checking mechanical and digital torque wrenches regularly before use. Simple operation and affordable, to allow convenient mounting close to each departments where torque wrenches are used frequently

Product Code	Square Drive	English Capacity	Nm. Capacity	Weight
2503-F-DTC	1/2"	25-250ftlbs	34-339 Nm	4.9 lbs
1002-F-DTC	1/2"	5-100FT LBS	-	4.9 LBS
DTS82-69	A/C Adaptor			
3325-0440-01	Bench Mount Bracket			

Made in U.S.A.

Features

- Simple operation enables any torque wrench user to quickly check wrench accuracy
- Uses 3 AA batteries (Included), LCD displays battery life indicator
- Large backlit LCD screen
- Audio beep on overtorque (125% of full scale)
- 3/8" Adapter included
- Accuracy +/- 1%
- Push Button Mode Select: First peak, Peak Hold, Tracking
- Units: Ft-Lb, In-Lb, Nm
- Includes Certificate of Calibration
- Compact design for mounting on any flat surface in horizontal or vertical position
- CE Approved
- Overall dimensions are: 4 3/4 x 13 1/2 x 2 3/16

Snap this code with your smartphone to watch the video!

CDI TORQUE PRODUCTS

COMPUTORQ SG-STEEL GRIP ELECTRONIC TORQUE WRENCH



TORQUE IN LESS TIME, WITH MORE ACCURACY AND CONTROL

This new line of Electronic Torque Wrenches from CDI Torque Products is truly revolutionary. They unite torque and angle in a single mode to provide the most accurate and fastest way to tighten fasteners in a sequence. In addition to the LED indicator lights, an audible beep and handle vibration alert you when target torque is achieved.

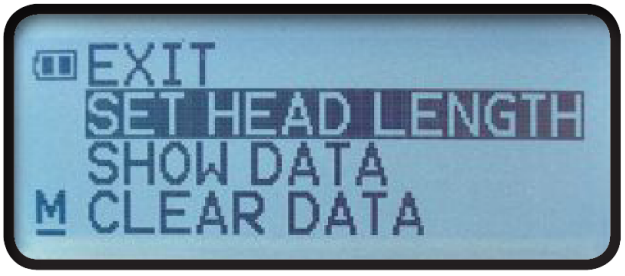
CDI COMPUTORQ SG Industrial Electronic Torque Wrenches provide instant data on the exact torque actually applied—something mechanical wrenches can't do. The patent-pending Torque and Angle combo mode provides the most accurate and fastest way to achieve torque plus angle in a single motion. Control torque accuracy to +/- 2% clockwise, +/- 3% counterclockwise. Control angle accuracy to +/- 1% of reading and +/- 1 degree.

The rugged, all-steel body is designed to stand up to industrial use and each wrench is backed by a 1 year warranty.



LED INDICATOR LIGHTS

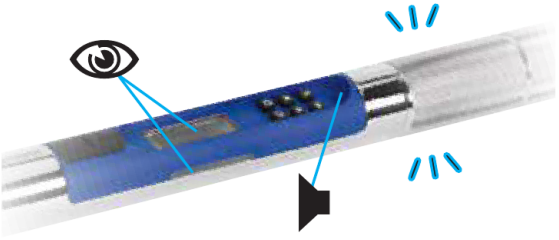
Dual side LED indicator lights with configurable settings provide operational guidance.



Snap this code with your smartphone to watch the video!

DID YOU KNOW?

These Industrial Torque Wrenches are ideal for any working condition thanks to audible, tactile and visual indicators that verify when torque is within the target range.



MULTI-SENSORY INDICATORS

The easy-to-read LCD screen, LED indicator lights, audible beep and handle vibration work together to signal when torque is within the targeted range.

WARNING

CDI TORQUE PRODUCTS

COMPUTORQ SG-STEEL GRIP ELECTRONIC TORQUE WRENCH



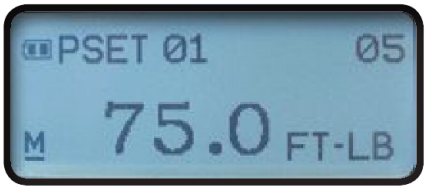
CONVENIENCE & CONTROL

COMPUTORQ SG TORQUE WRENCHES are fully programmable for reliable, consistent, and repeatable torque application. Every model features a large, backlit LCD screen for better visibility in a variety of working conditions and a high capacity memory for storage of 1,500 readings.

CONVENIENT DATA DOWNLOAD

USB plug and play technology allows data download without additional software. Simply connect the included USB cord to the wrench and a PC to drag and drop data for an audit proof trail and process control.

DATE/TIME	MIN TARGET TORQUE	MAX TARGET	PEAK TORQUE	MIN TARGET	MAX TARGET	PEAK ANGLE	TORQUE UNITS	TORQUE STATUS	ANGLE STATUS	MODE COUNT
1/1/2013 16:38	20	30	20.3	0	0	0	FT-LB	OK	OK	3
1/1/2013 16:38	20	30	20.55	0	0	0	FT-LB	OK	OK	2



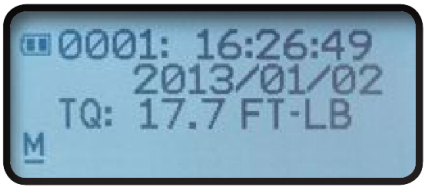
FULLY PROGRAMMABLE

50 memory presets with a batch count up to 99. Presets can be locked to prevent inadvertent changes or tampering.



CALIBRATION DUE INDICATOR

Using a patent-pending* time based calibration technology, the wrench alerts you when calibration is needed.

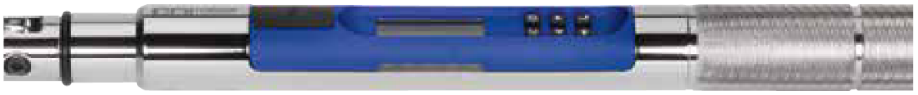


RELIABLE DATA TRAIL

Time stamped data trail for quality control, job auditing, and torque verification.

SEQUENCE PROGRAMMING

Allows you to program different torque applications in sequence and lock in job mode to ensure the operator follows sequence without error.



Product Code	2401CASG	1002CASG	2503CASG	6004CASG
Square Drive	1/4"	3/8"	1/2"	3/4"
Head Type	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head	Sealed Fixed Head
Torque Range, in lb	12-240	60-1200	150-3000	360-7200
Torque Range, ft lb	1-20	5-100	12.5-250	30-600
Torque Range, Nm	1.4-27.2	6.8-135.6	16.9-339	40.7-813.5
Torque Accuracy	+/- 2% Clockwise; +/- 3% Counterclock-wise	+/- 2% Clockwise; +/- 3% Counterclock-wise	+/- 2% Clockwise; +/- 3% Counterclock-wise	+/- 2% Clockwise; +/- 3% Counterclock-wise
Angle Range	0-360 Degrees	0-360 degrees	0-360 degrees	0-360 Degrees
Storage Capacity	1,500 Readings	1,500 Readings	1,500 Readings	1,500 Readings
Number of Presets	50	50	50	50
All Steel Body	Yes	Yes	Yes	Yes
Batteries Included	3 x AAA Alkaline	3 x AA Alkaline	3 x AA Alkaline	3 x AA Alkaline
Storage Case Included	Yes	Yes	Yes	Yes
Ratchet Service Kit	0514-0029-01RK	0514-0030-01RK	0514-0031-01RK	9610-0112RK
Head Depth (A)	3/4" (19.3 mm)	1-1/32" (26.19 mm)	1-3/10" (33.02 mm)	2-4/5" (71.12 mm)
Head Width (B)	15/16" (23.8 mm)	1-7/10" (43.18 mm)	1-1/2" (63.5 mm)	2-3/5" (66.04 mm)
Warranty	1-Year	1-Year	1-Year	1-Year

All models comply with ISO®-6789-2003 and ASME® B107.300-2010 (B107.28) Standards for Electronic Torque Instruments

*U.S. and Foreign Patents Pending

CDI TORQUE PRODUCTS

COMPUTORQ 3 ELECTRONIC TORQUE WRENCHES

The **COMPUTORQ 3** Electronic Torque Wrench is a simple to use digital readout wrench that displays real time torque values in any of four torque units, ft.lbs., in.lbs., Nm, kg.cm. Simply set the desired torque value and apply force until the green LED illuminates. Great for light industrial, automotive, motorcycle, watercraft and aircraft applications.



HIGH ACCURACY MODELS AVAILABLE

Features

- Sleek new design
- 15-degree flex ratcheting head
- Push button socket release head
- Large, easy to read digital display
- Long battery life, uses 2 each CR123 lithium batteries
- Ergonomically designed molded non-slip rubber grip
- Torques in both clockwise and counterclockwise directions
- Battery saving auto-shutoff after two minutes
- COMPUTORQ 3 remembers last unit and torque setting selected
- Audible tone sounds when set torque value is reached, if the set torque value is exceeded, an alarm tone will sound.
- 3 color LED light bar
  YELLOW LED indicates approaching desired torque setting
  GREEN LED indicates desired torque value is reached
  RED LED indicates fastener was overtorqued, loosen and retighten.
- When desired torque value is reached, display will hold value and flash for ten seconds.
- COMPUTORQ 3 will operate in any of four torque units, foot pounds (ft. lbs.), inch pounds (in. lbs.), newton meter (Nm) or kilogram centimeter (kg. cm.).
- ACCURACY:
  ±2% CW of readings from 20% to 100% of full scale
  ±3% CCW of readings from 20% to 100% of full scale
- N.I.S.T. traceable certificate of calibration included

STANDARD MODELS

Product Code	Drive	Ft. Lb.	In. Lb.	Nm	Kg. Cm.	Length In. (mm)	Wt. Lbs. (kgs)
2401CI3	¼"	2.0 - 20.0	24 - 240	2.71 - 27.10	27.6 - 276	15 (381)	2.0 (.91)
1002CF3	⅜"	10.0 - 100.0	120 - 1200	13.6 - 135.6	138 - 1382	17 (432)	2.2 (1.0)
2503CF3	½"	25 - 250	300 - 3000	33.8 - 338	345 - 3456	27 (686)	3.5 (1.59)

USA Made in U.S.A.

HIGH ACCURACY MODELS

Product Code	Drive	Ft. Lb.	In. Lb.	Nm	Kg. Cm.	Length In. (mm)	Wt. Lbs. (kgs)
2401CI3HA*	¼"	2.0 - 20.0	24 - 240	2.71 - 27.10	27.6 - 276	15 (381)	2.0 (.91)
1002CF3HA*	⅜"	10.0 - 100.0	120 - 1200	13.6 - 135.6	138 - 1382	17 (432)	2.2 (1.0)
2503CF3HA*	½"	25 - 250	300 - 3000	33.8 - 338	345 - 3456	27 (686)	3.5 (1.59)

The certification of accuracy provided per ASME and ISO Standards is 20% to 100% of full scale.



COMPUTORQ 3 Display and 3 Color LED Light Bar

***HIGH ACCURACY** ±1% Clockwise direction only.* **It couldn't be easier to use!**

USA Made in U.S.A.

WARNING



CDI TORQUE PRODUCTS

TORQUE & ANGLE™ ELECTRONIC TORQUE WRENCHES

The CDI **Torque and Angle Electronic Wrench** incorporates 21st Century Technology in a simple to use digital wrench. Specifically designed to meet the needs of the torque professional where torque plus angle is required. It features three units of torque, ft.lbs. In.lbs. and Nm as well as the angle mode.

The Torque and Angle wrench allows the technician to apply a specific torque load, followed by the angle specification, all in one convenient wrench. It features a three LED light bar and audible buzzer. As the angle mode is a separate function, the wrench can also be used as a stand alone digital torque wrench.

Features

- Accuracy is +/- 2% CW, +/- 3% CCW of indicated value
- Gyro chip senses 360° of movement, and is accurate to within +/- 3.8°
- No maintenance, just change batteries at 80 hours
- VERY easy to set up and use quickly
- Red LED alerts user when over ranged
- Digital torque measurement and digital angle measurement in one convenient package
- Ergonomic non-slip cushion grip
- 15% Flex Ratchet head
- Long battery life, uses two CR123 lithium batteries
- Convenient, push button socket release ratchet head
- 3 step LED visual signal system:
  Yellow Light = approaching target torque
  Green Light = target torque reached
  Red Light = over torque indicator
- N.I.S.T. traceable certificate of calibration included

TORQUE & ANGLE™ ELECTRONIC TORQUE WRENCHES

Product Code	Drive	Ft. Lb.	In. Lb.	Nm	Angle	Length In. (mm)	Wt. Lbs. (kgs)
1002TAA-CDI	⅜"	10 - 100	120 - 1200	12.6 - 135.6	0-360°	17 (432)	2.2 (1.0)
2503TAA-CDI	½"	25 - 250	300 - 3000	33.8 - 338	0-360°	27 (686)	3.5 (1.59)

The certification of accuracy provided per ASME and ISO Standards is 20% to 100% of full scale.

Made in U.S.A.



CDI TORQUE PRODUCTS

HEAVY-DUTY TORQUE & ANGLE™ TORQUE WRENCH

LEADING THE WAY IN HEAVY-DUTY TORQUE AND ANGLE APPLICATIONS WITH INNOVATIVE SOLUTIONS THAT MAKE A DIFFERENCE IN DOING THE JOB RIGHT.

The CDI **600 ft.lb. Heavy-Duty Torque & Angle™ Torque Wrench** eliminates the need for angle gauges and protractors, providing the most accurate and efficient way to achieve torque plus angle tightening sequences now specified by many manufacturers. The digital readout displays a torque setting then with a push of a button, switches to the angle mode. Angle readout not affected by ratcheting. Angle calculation based on the same gyroscopic technology that maintains helicopters at level flight.

- Torque Accuracy: (2% CW & 3% CCW FROM 20 – 100% F.S.)
  (4% CW & 6% CCW FROM 10 – 19% F.S.)
- Angle Accuracy: ± 3.8% of indicated value
- Angular Display Resolution: 1°

Features

- Torque Units: ft.lb., in.lbs., Nm
- Audible alert when target is reached
- Display Resolution: 0.1 ft.lb., 0.1 Nm, 1 in.lb.
- Comfortable non-slip grip handle
- Sealed Ratchet Head
- 4 "AA" Alkaline Batteries Included
- Low Battery Indicator and Auto Shutoff after two minutes idle
- Operating Temperature: 40 - 110° F. (5 - 42° C)
- Storage Temperature: 0 - 122° F (-20 - 50° C)
- Humidity up to 90% non-condensing
- EU/CE-DE, ES, FR, IT, NL, PT, UK and Japanese language manual
- Certificate of N.I.S.T. traceability for 20% to 100% of full scale
- Includes storage case

HEAVY-DUTY TORQUE & ANGLE™ TORQUE WRENCH

Product Code	Drive	Ft. Lb.	In. Lb.	Nm	Angle	Length In. (mm)	Wt. Lbs. (kgs)
6004TAA	¾"	120 - 600	1440 - 7200	156 - 780	0-360°	49 (1244.6)	14 (6.35)

Made in U.S.A.

CDI TORQUE PRODUCTS®

ELECTRONIC DIAL TORQUE WRENCH

The new **Electronic Dial (ED)** torque wrench features solid-state electronics for accurate torque application and measurement. ED's design provides easy set-up and usage. There is no need to look directly at the digital readout as the wrench features 3 indicating lights and an audible buzzer.

The ED wrench has unsurpassed reliability and durability -- 21st century technology in a simple, easy to read digital torque wrench.



Features

- 4 units of measure...ft lb, in lb, Nm, kg.cm.
- Accuracy: ± 1 % CW & ± 1% CCW - of indicated value from 20% to 100% of full scale
- 3 step LED visual signal system
  YELLOW LIGHT = approaching target torque
  GREEN LIGHT = target torque reached
  RED LIGHT = over torque indicator
- Audible tone when desired torque is reached
- Alarm tone sounds if wrench is overtorqued
- Ergonomically designed wrench body
- Display can be turned 180 degrees to allow left hand usage
- Battery cover designed to be aviation FOD proof
- Holds "peak" torque reading for 10 seconds
- Constructed of special Capron® material for long life and durability
- Resistant to the majority of chemicals used in industrial environments
- Wrench can be hung on tool board
- Bar graph displays orientation of torque application (left or right hand)
- Uses standard 9 volt alkaline battery
- N.I.S.T. traceable certificate of calibration included
- Meets or exceeds ASME B107.300 – 2010

ELECTRONIC DIAL TORQUE WRENCH

Product Code	Drive	In. Lb.	Ft. Lb.	Nm	Kg. Cm.	Length In. (mm)	Wt. Lbs. (kgs)
501ED-CDI	¼"	5 - 50	.42 - 4.17	.56 - 5.65	57 - 57.61	11.5 (292)	1.25 (.57)
2502ED-CDI	⅜"	25 - 250	2.08 - 20.83	2.82 - 28.25	28 - 280.03	14.5 (368)	1.51 (.68)
6002ED-CDI	⅜"	60 - 600	5 - 50	6.79 - 67.79	69 - 691.27	14.5 (368)	1.51 (.68)



CDI "ED": Easy to change dial orientation.



The yellow LED illuminates within 10% of target torque.

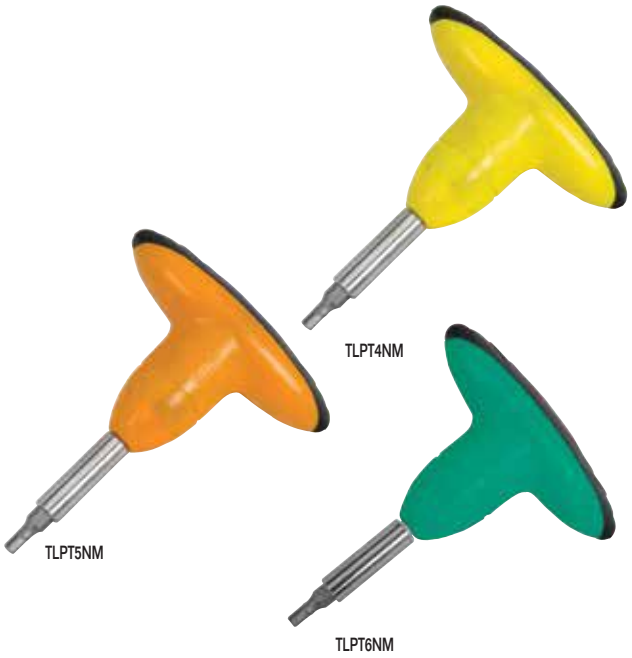


The green LED illuminates within 4% of target torque. Continuous buzzer sounds when target is reached.



The red LED illuminates 4% beyond target torque, indicating fastener was overtorqued. Rapid "alarm" buzzer sounds.

⚠WARNING



CDI TORQUE PRODUCTS

TORQUE LIMITING T-HANDLE - PRE-SET

Product Code	Pre Set Value Nm	Ft. Lb.	In. Lb.	Bit
TLPT4NM	4.0	2.9	35.4	4 mm
TLPT5NM	5.0	3.7	44.3	4 mm
TLPT6NM	6.0	4.4	53.1	4 mm

Features

- Torque Limiting Technology to Prevent Over-Tightening
- Magnetic Shank to Interchange Bits as Needed
- Rounded T-Handle Grip for Added Comfort
- Hi-Vis Color for Easy Identification
- Shaft accepts 1/4" hex shank bits, a 4 mm bit is included in each driver



CDI TORQUE PRODUCTS

TORQCONTROL ADJUSTABLE TORQUE TOOL

ACCURATE, FAST, EASY AND ERROR-PROOF

Applying just the right amount of torque in low-torque applications can be tricky at times. The new patent-pending TorqControl Torque Tool is an adjustable, torque limiting tool that applies torque in a range between 2 Newton Meters (Nm) and 8 Nm, indexing at every tenth Newton Meter.

Product Code	Nm Range	Included Bits
TLA28NM	2.0-8.0	4 mm, 5 mm, 6 mm, T25, 4" Long 4mm, 4" Long T25 Bits

Features

- Perfect for applying torque to bicycle components
- Magnetic tip holds, and allows for easy bit changes
- Standard ¼" hex tip can utilize any standard hex bits
- Ergonomic L-shaped handle with rubberized cap for better grip
- Includes Certification of Accuracy
- TorqControl provides easy adjustability

CDI TORQUE PRODUCTS®

TORQUE SCREWDRIVERS - MICRO-ADJUSTABLE

Adjustable models offer versatility for applications that require more than one torque value. These torque screwdrivers are particularly suited for the electronics industry and for instrument assembly work. A simple, cam-over design prevents over-tightening and possible damage to components.

Torque settings are easily and accurately changed with a unique adjusting knob and easy-to-read window scale. Adjusting the screwdriver is simple. Just pull out the adjusting knob to unlock, turn to the desired setting, then push the knob in until it clicks!

Positive locking knob makes accidental setting changes impossible. Automatic lock in counterclockwise direction makes fastener removal a snap. The Micro-Adjustable series includes
six models with torque settings ranging from 20 in. ozs. to 40 in. lbs.

Features

- 6 models available
- Positive locking pull down adjustment knob
- Trilobular comfort grip
- Universal 1/4" hex bit holder with strong rare earth magnet
- Cam-over torque limiting clutch
- Slip resistant finish
- Easy-to-read window scale
- Light weight
- Automatic lock in CCW direction for removing screws
- Accuracy: ± 6% of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.
- Meets or exceeds ASME B107.300 - 2010



TORQUE SCREWDRIVERS - MICRO-ADJUSTABLE

Product Code	Torque Range	Increments	W x L Inches	Wt. Oz.
61SM	20 - 100 in. ozs.	1 in. oz.	1.1 x 5.5	6.8
151SM	3 - 15 in. lbs.	.2 in. lbs.	1.1 x 6.25	8.0
401SM	5 - 40 in. lbs.	.5 in. lbs.	1.2 x 6.75	10.8
61NSM	10 - 80 cNm	1 cNm	1.1 x 5.5	6.8
151NSM	40 - 200 cNm	2 cNm	1.1 x 6.25	8.0
401NSM	50 - 450 cNm	5 cNm	1.2 x 6.75	10.8

Made in U.S.A.

CDI TORQUE PRODUCTS®

TORQUE SCREWDRIVERS - SINGLE SETTING

The tamper resistant design of the **Single Setting** series is particularly suited for high-volume use in assembly operations. A simple, cam-over design prevents over-tightening and possible damage to components.

Torque screwdrivers may be ordered factory pre-set at an additional charge or they may be easily set by the operator with any quality torque calibration system. The end cap removes for easy access to the 1/8" hex adjustment screw. A hex adjustment key is included with each driver.

The Single Setting series includes four models with available torque settings from 6 in. ozs. up to 40 in.lbs. When precision and repeatability are a must, the choice is simple - CDI Torque Screwdrivers.

Features

- Factory Pre-Set models are set at the factory to the customer's specified torque setting and are furnished with a Certificate of Calibration
- Please specify desired torque setting when order is placed
- 4 models available
- Trilobular comfort grip
- Universal 1/4" hex bit holder with strong rare earth magnet
- Cam-over torque limiting clutch
- Rugged, light weight aluminum body
- Automatic lock in CCW direction
- Accuracy: ± 6% of indicated value, CW, from 20% to 100% of full scale
- Meets or exceeds ASME B107.300 - 2010



TORQUE SCREWDRIVERS - SINGLE SETTING

Product Code Un-Set	Product Code Factory Pre-Set	Torque Range	W X L Length	Wt. Oz.
21SP	21SP-SET	6-32 in.ozs	1.1 x 4.5	5.3
61SP	61SP-SET	10 - 100 in.ozs.	1.1 x 5.6	7.0
151SP	151SP-SET	1.5 - 15 in. lbs	1.1 x 5.6	7.0
401SP	401SP-SET	4 - 40 in. lbs.	1.2 x 6.3	9.6

Made in U.S.A.

WARNING





Prevents premature wear of carbide inserts and damage to cutter head due to improper clamp load.

CDI TORQUE PRODUCTS

TORKY - SINGLE SETTING WRENCHES

CDI's **TORKY** is a right angle pre-set torque wrench. Torky is designed for production torque applications that require higher values than a torque screwdriver can deliver. The comfortable design eases the strain of repeated uses. Torque value may be ordered factory pre-set at an additional charge or it may be easily set by the operator with any quality torque calibration system. When the proper torque value is reached, a momentary release or "break" can be felt. Available in three drive styles to fit most needs.

Features

- Factory Pre-Set models are set at the factory to the customer's specified torque setting and are furnished with a Certificate of Calibration
- Please specify desired torque setting when order is placed
- Three models available
- Simple, easy to use design
- Ruggedly built for years of reliable service
- Operates bi-directionally
- Accuracy: ± 6% of indicated value, CW, from 20% to 100% of full scale

TORKY - SINGLE SETTING WRENCHES

Product Code Un-Set	Product Code Factory Pre-Set	Drive	Torque Range	W X L Length	Wt. Oz.
1501TPA-1	1501TPA-1-SET	1/4" Female Hex	20-170 in.lbs.	1 x 5.25	8.3
1501TP-1	1501TP-1-SET	1/4" Male Square	20-170 in.lbs.	1 x 5.25	8.3
1502TP-1	1502TP-1-SET	3/8" Male Square	20-170 in.lbs.	1 x 5.25	8.3

Made in U.S.A.

ergo



BAHCO

FIXED-SETTING TORQUE SCREWDRIVERS

Torque Screwdrivers were specially developed for changing cutting tools on automatic cutting machines in order to ensure consistent, accurate cutting.

Product Code*	Description	Replacement Bits Torx Plus	Torx
BE-6990-IP10	2.0 Nm	BE-6990-IP10-KL	BE-6990TX-T10KL
BE-6990-IP15	3.0 Nm	BE-6990-IP15-KL	BE-6990TX-T15KL
BE-6990-IP6	.6 Nm	BE-6990-IP6-KL	BE-6990TX-T6-KL
BE-6990-IP7	.9 Nm	BE-6990-IP7-KL	BE-6990TX-T7-KL
BE-6990-IP8	1.2 Nm	BE-6990-IP8-KL	BE-6990TX-T8-KL
BE-6990-IP9	1.4 Nm	BE-6990-IP9-KL	BE-6990TX-T9-KL

* Includes one Torx & one Torx Plus Bit



Features

- Designed for correct tightening of precision fasteners on CNC machines
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Torque screwdrivers, fixed setting
- Accuracy +/- 10 %
- Over torque limiting clutch, with a click sound

CDI TORQUE PRODUCTS

DIAL TORQUE WRENCHES - DUAL SCALE

Dial Torque Wrenches are designed for the automotive, nuclear and industrial markets in addition to military installations throughout the world. This series features sturdy torsion beam design for dependable long life and accuracy. The small frame model offers working ranges from 3 in. lbs. to 50 ft. lbs. in 1/4" and 3/8" drives. The large frame model continues from 100 ft. lbs. through 2,000 ft. lbs. with 1/2", 3/4" and 1" drives. Accuracy of both series of ± 3% meets or exceeds ASME standards, ISO 6789 bi-directionally from 20% to 100% of scale. All wrenches supplied with a N.I.S.T. traceable certificate of calibration.



Features

- Sturdy body construction insures durability
- Easy to read laser marked dual scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: ± 4% of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



DIAL TORQUE WRENCHES - DUAL SCALE

Product Code	Drive Size	English Range	Incr.	Nm Range	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
Memory Needle Models										
151LDIN	¼"	0-15 in. lb.	.25 in. lb.	0-1.8 Nm	.05 Nm	11.5	1.1	1.2	2.75	1.1
301LDIN	¼"	0-30 in. lb.	.5 in. lb.	0-3.5 Nm	.1 Nm	11.5	1.1	1.2	2.75	1.1
751LDIN	¼"	0-75 in. lb.	1 in. lb.	0-9 Nm	.2 Nm	11.5	1.1	1.2	2.75	1.1
1502LDIN	⅜"	0-150 in. lb.	2 in. lb.	0-18 Nm	.5 Nm	11.5	1.1	1.2	2.75	1.1
2502LDIN	⅜"	0-250 in.lb.	5 in.lb.	0-30 Nm	.5 Nm	11.5	1.1	1.2	2.75	1.1
3002LDIN	⅜"	0-300 in. lb.	5 in. lb.	0-35 Nm	1 Nm	11.5	1.1	1.2	2.75	1.1
6002LDIN	⅜"	0-600 in. lb.	10 in. lb.	0-70 Nm	2 Nm	15	1.5	1.2	2.75	1.6
502LDFN	⅜"	0-50 ft. lb.	1 ft. lb.	0-70 Nm	2 Nm	15	1.5	1.2	2.75	1.6
1003LDFN	½"	0-100 ft. lb.	2 ft. lb	0-140 Nm	2.5 Nm	21.75	2.25	1.50	2.75	3.70
1753LDFN	½"	0-175 ft. lb.	5 ft. lb.	0-240 Nm	5 Nm	21.75	2.25	1.50	2.75	3.70
2503LDFN	½"	0-250 ft. lb	5 ft. lb	0-350 Nm	10 Nm	21.75	2.25	1.50	2.75	3.70
3504LDFN	¾"	0-350 ft. lb.	10 ft. lb.	0-480 Nm	10 Nm	28.00	2.25	1.50	2.75	5.75
6004LDFN*	¾"	0-600 ft. lb.	10 ft. lb.	0-800 Nm	20 Nm	47.00	2.50	1.50	2.75	10.10
10005LDFN*	1"	0-1000 ft. lb.	20 ft. lb.	0-1400 Nm	25 Nm	74.00	2.50	3.50	3.00	30.00
Electric Signaling Models										
6004LDFE**	¾"	0-600 ft. lb.	10 ft. lb.	0-800 Nm	20 Nm	47.00	2.50	1.50	2.75	10.10
10005LDFE**	1"	0-1000 ft. lb.	20 ft. lb.	0-1400 Nm	25 Nm	74.00	2.50	3.50	3.00	30.00
20005LDFE***	1"	0-2000 ft. lb.	40 ft. lb.	0-2800 Nm	50 Nm	122.00	3.50	6.50	3.50	47.00



20005LDFE "T" type Dial Wrench must be operated by two persons or a torque multiplier. The handle is over 10 ft. long.



*NOTE: 6004LDFN and 10005LDFN include 1 Extension handle.
**NOTE: 6004LDFE and 10005LDFE include 1 Extension handle, indicating light and buzzer.
***NOTE: 20005LDFE is a "T" style wrench with 1" drive female head that can be use with a torque multiplier. Includes 5 piece handle assembly, indicating light and buzzer.

WARNING

CDI TORQUE PRODUCTS

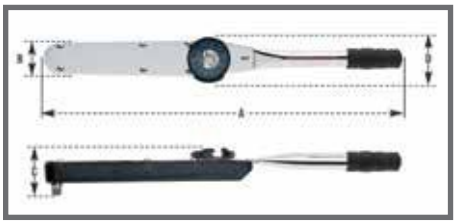


DIAL TORQUE WRENCHES - SINGLE SCALE

Dial Torque Wrenches are designed for the automotive, nuclear and industrial markets in addition to military installations throughout the world. This series features sturdy torsion beam design for dependable long life and accuracy. The small frame model offers working ranges from 3 in. lbs. to 50 ft. lbs. in 1/4" and 3/8" drives. The large frame model continues from 100 ft. lbs. through 2,000 ft. lbs. with 1/2", 3/4" and 1" drives. Accuracy of both series of ± 3% meets or exceeds ASME standards, ISO 6789 bi-directionally from 20% to 100% of scale. All wrenches supplied with a N.I.S.T. traceable certificate of calibration.

Features

- Sturdy body construction insures maximum durability
- Easy to read laser marked single scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: ± 4% of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.





T-TYPE DIAL WRENCHES must be operated by two persons or a torque multiplier. The handle is over 10 ft. long.

DIAL TORQUE WRENCHES - SINGLE SCALE

Product Code	Drive Size (In.)	English Range	Incr.	A In.	B In.	C In.	D In.	WT. Lbs.
Memory Needle Models								
301LDINSS	¼"	0-30 in.lb.	.5 in.lb.	11.5	1.1	1.2	2.75	1.1
751LDINSS	¼"	0-75 in.lb.	1 in.lb.	11.5	1.1	1.2	2.75	1.1
752LDINSS	⅜"	0-75 in.lb.	1 in.lb.	11.5	1.1	1.2	2.75	1.1
2502LDINSS	⅜"	0-250 in.lb.	5 in.lb.	11.5	1.1	1.2	2.75	1.1
3002LDINSS	⅜"	0-300 in.lb.	5 in.lb.	11.5	1.1	1.2	2.75	1.1
6002LDINSS	⅜"	0-600 in.lb.	10 in.lb.	15	1.5	1.2	2.75	1.6
502LDFNSS	⅜"	0-50 ft.lbs.	1 ft.lb.	15	1.5	1.2	2.75	1.6
1003LDFNSS	½"	0-100 ft. lb.	2 ft. lb	21.75	2.25	1.50	2.75	3.70
1753LDFNSS	½"	0-175 ft. lb.	5 ft. lb.	21.75	2.25	1.50	2.75	3.70
2503LDFNSS	½"	0-250 ft. lb.	5 ft. lb	21.75	2.25	1.50	2.75	3.70
3504LDFNSS	¾"	0-350 ft. lb.	10 ft. lb.	28.00	2.25	1.50	2.75	5.75
6004LDFNSS*	¾"	0-600 ft. lb.	10 ft. lb.	47.00	2.50	1.50	2.75	10.10
10005LDFNSS*	1"	0-1000 ft. lb.	20 ft. lb.	74.00	2.50	3.50	3.00	30.00
Electric Signaling Models								
6004LDFESS**	¾"	0-600 ft. lb.	10 ft. lb.	47.00	2.50	1.50	2.75	10.10
10005LDFESS**	1"	0-1000 ft. lb.	20 ft. lb.	74.00	2.50	3.50	3.00	30.00
20005LDFESS***	1"	0-2000 ft. lb.	40 ft. lb.	122.00	3.50	6.50	3.50	47.00

*NOTE: 6004LDFNSS and 10005LDFNSS include 1 extension handle.
**NOTE: 6004LDFESS and 10005LDFESS include 1 extension handle, indicating light and buzzer.
***NOTE: 20005LDFESS is a "T" style wrench with 1" drive female head that can be used with a torque multiplier. Includes 5 piece handle assembly, indicating light and buzzer.

CDI TORQUE PRODUCTS®

DIAL TORQUE WRENCHES NEWTON METER - SINGLE SCALE

Dial Torque Wrenches are designed for the automotive, nuclear and industrial markets in addition to military installations throughout the world. This series features sturdy torsion beam design for dependable long life and accuracy. The small frame model offers working ranges from 3 in. lbs. to 50 ft. lbs. in 1/4" and 3/8" drives. The large frame model continues from 100 ft. lbs. through 2,000 ft. lbs. with 1/2", 3/4" and 1" drives. Accuracy of both series of ± 3% meets or exceeds ASME standards, ISO 6789 bi-directionally from 20% to 100% of scale. All wrenches supplied with a N.I.S.T. traceable certificate of calibration.



- Sturdy body construction insures maximum durability
- Easy to read laser marked single scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: ± 4% of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.

DIAL TORQUE WRENCHES NEWTON METER - SINGLE SCALE

Product Code	Drive Size (In.)	Nm Range	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
Memory Needle Models								
1.81NLDNSS	¼"	0-1.8 Nm	.05 Nm	11.5	1.1	1.2	2.75	1.1
3.51NLDNSS	¼"	0-3.5 Nm	.1 Nm	11.5	1.1	1.2	2.75	1.1
91NLDNSS	¼"	0-9 Nm	.2 Nm	11.5	1.1	1.2	2.75	1.1
92NLDNSS	⅜"	0-9 Nm	.2 Nm	11.5	1.1	1.2	2.75	1.1
182NLDNSS	⅜"	0-18 Nm	.5 Nm	11.5	1.1	1.2	2.75	1.1
302NLDNSS	⅜"	0-30 Nm	.5 Nm	11.5	1.1	1.2	2.75	1.1
352NLDNSS	⅜"	0-35 Nm	1 Nm	11.5	1.1	1.2	2.75	1.1
702NLDNSS	⅜"	0-70 Nm	2 Nm	15	1.5	1.2	2.75	1.6
1403NLDNSS	½"	0-140 Nm	2.5 Nm	21.75	2.25	1.50	2.75	3.70
2403NLDNSS	½"	0-240 Nm	5 Nm	21.75	2.25	1.50	2.75	3.70
3503NLDNSS	½"	0-350 Nm	10 Nm	21.75	2.25	1.50	2.75	3.70
4804NLDNSS	¾"	0-480 Nm	10 Nm	28.00	2.25	1.50	2.75	5.75
8004NLDNSS*	¾"	0-800 Nm	20 Nm	47.00	2.50	1.50	2.75	10.10
14005NLDNSS*	1"	0-1400 Nm	25 Nm	74.00	2.50	3.50	3.00	30.00

*NOTE: 8004NLDNSS and 14005NLDNSS include 1 Extension handle.

⚠WARNING

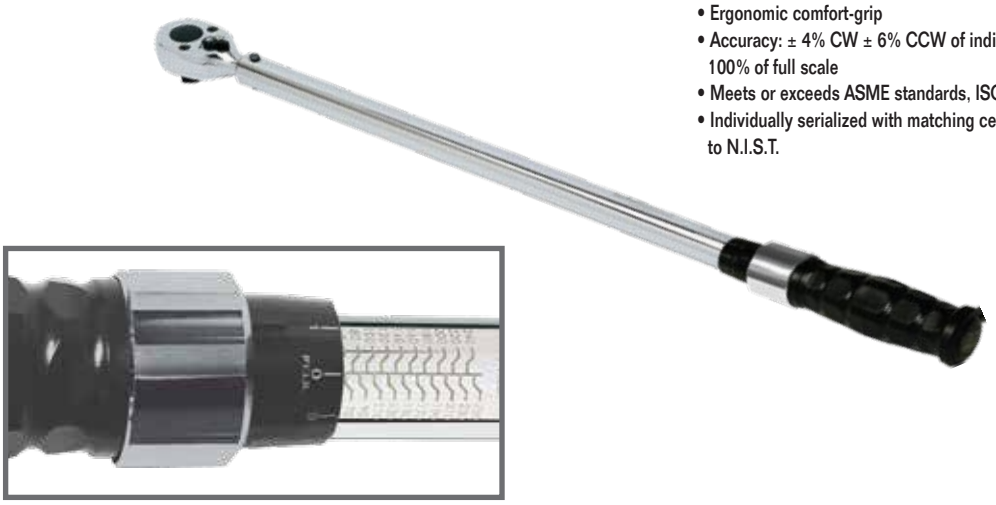
CDI TORQUE PRODUCTS

COMFORT GRIP MICROMETER ADJUSTABLE TORQUE WRENCHES - DUAL SCALE

Comfort-Grip Handle Dual Scale

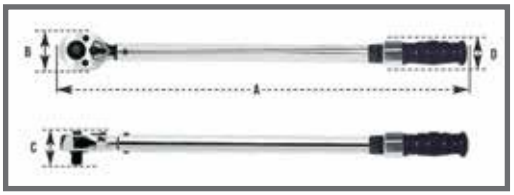
Features

- Dual scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scale
- Most feature quick release buttons which provide good socket retention as well as easy socket removal
- Ergonomic comfort-grip
- Accuracy: ± 4% CW ± 6% CCW of indicated value, CW, from 20% to 100% of full scale
- Meets or exceeds ASME standards, ISO 6789 standards
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



COMFORT GRIP MICROMETER ADJUSTABLE TORQUE WRENCHES - DUAL SCALE

Product Code	Drive Size	English Range	Incr.	Nm Range	Incr.	A In.	B In.	C In.	D In.
1501MRPH	¼"	20-150 in. lb.	1	2.8 - 15.3 Nm	.12	10.00	1.06	.93	1.06
2502MRPH	⅜"	30-250 in. lb.	1	4.0 - 27.7 Nm	.12	11.25	1.06	1.06	1.06
10002MRPH	⅜"	150-1000 in. lb.	5	19.8 - 110.2 Nm	.6	16.00	1.43	1.20	1.40
1002MFRPH	⅜"	10-100 ft. lb.	1	16.9 - 132.2 Nm	.7	16.00	1.43	1.20	1.40
1503MFRPH	½"	20-150 ft. lb.	1	34 - 197 Nm	1.4	19.00	1.70	1.40	1.40
2503MFRPH	½"	30-250 ft. lb.	1	47 - 332 Nm	1.4	24.40	1.70	1.40	1.40
6004MFRPH	¾"	100-600 ft. lb.	5	169 - 779 Nm	6.8	42.00	2.50	2.10	1.40





CDI TORQUE PRODUCTS®

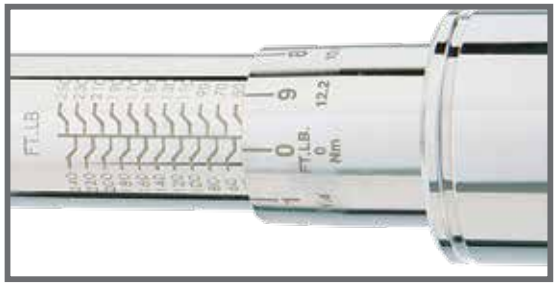
MICROMETER ADJUSTABLE NEWTON METER TORQUE WRENCHES - SINGLE SCALE

Metal Handle Single Scale. The metal handle series offers the user a rugged, industrial strength torque wrench able to withstand the rigors of professional use. Handles are lightly knurled for a tough, non-slip grip.

Features

- Single scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Most feature quick release buttons which provide good socket retention as well as easy socket removal
- Accuracy: ± 4% CW ± 6% CCW of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



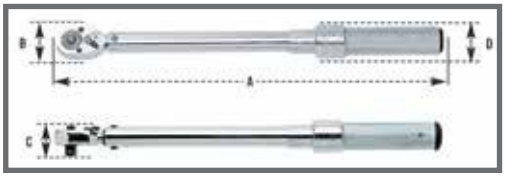




MICROMETER ADJUSTABLE NEWTON METER TORQUE WRENCHES - SINGLE SCALE

Product Code	Nm Range	Sq. Drive	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
602NMRMHSS	10-60 Nm	⅜"	0.5	16.00	1.43	1.20	1.40	2.50
1002NMRMHSS	20-100 Nm	⅜"	0.5	16.00	1.43	1.20	1.40	2.50
2003NMRMHSS	40-200 Nm	½"	2	19.00	1.70	1.40	1.40	3.25
3403NMRMHSS	60-340 Nm	½"	2	24.40	1.70	1.40	1.40	3.40
8004NMRMHSS	150-800 Nm	¾"	5	42.00	2.50	2.10	1.40	11.85
15005NMRMHSS*	300-1500 Nm	1"	10	70.00	3.00	3.00	1.50	25.10

*NOTE: 15005NMRMHSS supplied with one extension handle and is packed in a metal box.
NOTE: All single scale Newton Meter only.



WARNING



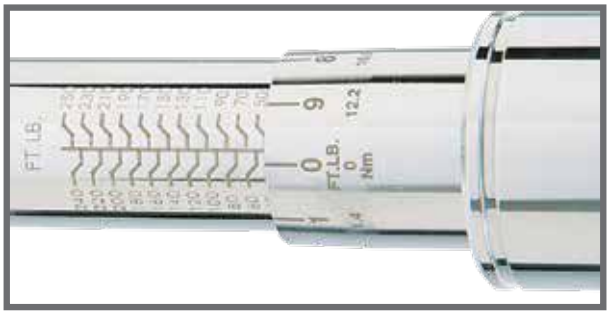
CDI TORQUE PRODUCTS

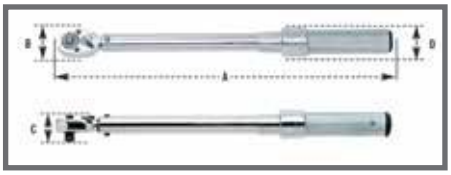
MICROMETER ADJUSTABLE TORQUE WRENCHES - DUAL SCALE

Metal Handle Dual Scale. The metal handle series offers the user a rugged, industrial strength torque wrench able to withstand the rigors of professional use. Handles are lightly knurled for a tough, non-slip grip.

Features

- Dual scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Most feature quick release buttons which provide good socket retention as well as easy socket removal
- Accuracy: ± 4% CW ± 6% CCW of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.





MICROMETER ADJUSTABLE TORQUE WRENCHES - DUAL SCALE

Product Code	Drive Size	English Range	Incr.	Nm Range	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
501MRMH	¼"	10-50 in. lb.	0.5	1.4 - 5.4 Nm	0.5	10.15	1.06	0.93	1.06	0.85
1501MRMH	¼"	20-150 in.lb.	05	2.8-15.3 Nm	0.12	10.15	1.06	0.93	1.06	0.90
1502MRMH	⅜"	20-150 in. lb.	1	2.8 - 15.3 Nm	.12	10.15	1.06	0.93	1.06	0.90
2002MRMH	⅜"	30-200 in. lb.	1	4.0 - 22.0 Nm	.12	10.15	1.06	0.93	1.06	0.85
2502MRMH	⅜"	30-250 in. lb.	1	4.0 - 27.7 Nm	.12	11.25	1.06	0.93	1.06	0.95
7502MRMH	⅜"	100-750 in. lb.	5	14.1 - 81.9 Nm	.6	16.00	1.43	1.20	1.40	2.50
10002MRMH	⅜"	150-1000 in. lb.	5	19.8 - 110.2 Nm	.6	16.00	1.43	1.20	1.40	2.50
25003MRMH	½"	300-2500 in. lb.	10	39.6 - 276.9 Nm	1.2	18.00	1.70	1.40	1.40	3.20
752MFRMH	⅜"	5-75 ft. lb.	0.5	10.2 - 98.3 Nm	.7	16.00	1.43	1.20	1.40	2.50
1002MFRMH	⅜"	10-100 ft. lb.	0.5	16.9 - 132.2 Nm	.7	16.00	1.43	1.20	1.40	2.55
1503MFMH	½"	20-150 ft lb.	1	34 - 197 Nm	1.4	19.00	1.70	1.40	1.40	3.15
1503MFRMH	½"	20-150 ft. lb.	1	34 - 194 Nm	1.4	19.00	1.70	1.40	1.40	3.15
2503MFRMH	½"	30-250 ft. lb.	1	47 - 332 Nm	1.4	24.40	1.70	1.40	1.40	3.15
4004MFRMH	¾"	80-400 ft. lb.	5	85 - 491 Nm	3.4	34.25	2.50	2.10	1.40	10.30
4504MFRMH	¾"	75-450 ft. lb.	5	119 - 593 Nm	3.40	34.25	2.50	2.10	1.40	10.30
5004MFMH	¾"	100-500 ft lb.	5	169 - 779 Nm	6.8	42.00	2.5	2	1.15	11.85
6004MFRMH	¾"	100-500 ft. lb.	5	169 - 779 Nm	6.8	42.00	2.50	2.00	1.15	11.85
10005MFRMH*	1"	200-1000 ft. lb.	5	305 - 1322 Nm	6.8	70.00	3.00	3.00	1.50	25.10
20005MFMHSS**	1"	300-2000 ft. lb.	10	N/A	N/A	108.50	3.15	4.25	1.65	48.75
20005MFMH	1"	300-2000 ft. lb.	10	474-2643	14	108.50	3.15	4.25	1.65	48.75

*NOTE: 10005MFRMH supplied with one extension handle and is packed in a metal box.

**NOTE: 20005MFMHSS (English scale only) supplied with two extension handles, fixed/non-ratcheting head and is packed in a sturdy cardboard box.

CDI TORQUE PRODUCTS

QUICK SET SPLIT BEAM TORQUE WRENCHES

This unique "split beam" measuring element provides consistently accurate readings and rugged, trouble-free performance. Fast setting of desired torque is easily accomplished by rotating adjustment knob until required torque value is displayed in the torque window. 3/4" drive model features three-piece construction for easy disassembly and storage.



Features

- CDI Sealed Ratchet Head - is virtually maintenance free; more time working with the tool, less time on tool maintenance
- Thumb Screw Type Adjustment - is faster than cycling through a micrometer style torque wrench. Guard prevents setting from being changed accidentally. Setting is displayed in window. Conversion table to Nm displayed on handle
- Sealed Neck - keeps dust and grit away from the torque mechanism for longer tool life
- "Split Beam" Measuring Element - provides accurate, reliable readings and eliminates the heavy coil spring used in conventional click type wrenches. This yields fewer moving parts, reducing friction and wear
- Cushion Grip Handle - provides comfort plus control and resists most automotive fluids
- Designed for measuring torque in a clockwise direction only. Wrench is not reversible
- Guaranteed Accuracy: Accurate within ±4% of any clockwise setting from 20% of full scale to full scale.

QUICK SET SPLIT BEAM TORQUE WRENCHES

Product Code	Drive Size	Range	Increments	Length (in.)	Ratchet
502TQFR	3/8"	120-600 in. lbs.	10.0 in. lbs.	17 1/8	Flex-Head
1002TQFR	3/8"	20-100 ft. lbs.	2.0 ft. lbs.	17 1/8	Flex-Head
2503TQFR	1/2"	40-250 ft. lbs.	5.0 ft. lbs.	21 7/16	Flex-Head
4004TQR	3/4"	130-400 ft. lbs.	10.0 ft. lbs.	38 1/8	Fixed-Head
6004TQR	3/4"	200-600 ft. lbs.	10.0 ft. lbs.	48 1/2	Fixed-Head

USA Made in U.S.A.

CDI WSC-400CA and WSC-600CA Split beam Torque Wrenches accept Williams Heavy Duty Tubular Wrenches that fit the 24TH handle. The length of the wrench heads matches the effective length of the ratchet head and extender that come with the torque wrench, creating the same effective length. Removing the rather head and extender from the torque wrench and inserting the desired Heavy Duty Tubular wrench of choice (fitting 24TH handle) creates an expanded use interchangeable head system. The complete assortment of Tubular Handle Wrenches is found on pages 228 and 229.



CDI TORQUE PRODUCTS

FLEX-HEAD MICROMETER ADJUSTABLE TORQUE WRENCH

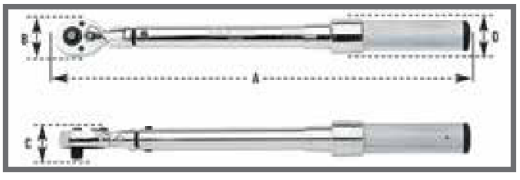
Flex-Head English Single Scale

Features

- Single scale, dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Flex Head pivots 15 degrees in both directions
- Rugged for Industrial use
- Accuracy: ± 4% CW ± 6% CCW of indicated value, CW, from 20% to 100% of full scale
- Meets or exceeds ASME standards, ISO 6789 standards
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.

FLEX-HEAD MICROMETER ADJUSTABLE TORQUE WRENCH

Product Code	Torque Range	Sq. Drive	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
802MFRFMHSS	10-80 ft. lb.	3/8"	0.5	16.60	1.25	1.15	0.90	2.500



WARNING



*Note: 800NMIMH & 600T-I new dual pin "Z" receivers accept only dual pin interchangeable heads.

CDI TORQUE PRODUCTS

INTERCHANGEABLE HEAD TORQUE WRENCHES

Features

- Interchangeable heads permit ratcheting, fixed, or open end torquing capability with adjustable torque wrench bodies.
- A push of the locking pin provides quick-change action, with a wide range of head styles to choose from.
- Micrometer Type Adjustment-ensures fast, accurate settings and changes.
- *Part Number 800NMIMH has Dual Pin Release for added strength
- Accuracy: ± 4% of indicated value, in direction of torque indicator, from 20% to 100% of full scale

INTERCHANGEABLE HEAD TORQUE WRENCHES - DUAL SCALE

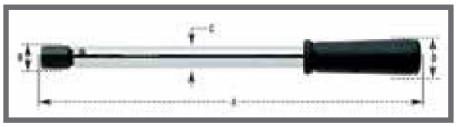
Product Code	Shank Size	Nm Range	Incr.	English Range	OAL In.
50NMIMH	J	10 - 50	0.5	9.2 - 35	17
100NMIMH	J	20 - 100	0.5	16.5 - 71.9	20
200NMIMH	Y	40 - 200	2	37 - 140	22 ½
350NMIMH	X	70 - 350	2	59 - 251	24 ½
800NMIMH*	Z	150 - 800	5	129 - 572	48

INTERCHANGEABLE HEAD TORQUE WRENCHES - SINGLE SCALE

Product Code	Shank Size	English Range	Incr.	OAL In.
75MFIMHSS	J	5 - 75	0.5	15.8
150MFIMHSS	Y	20 - 150	1	17.3
250MFIMHSS	Y	30 - 250	1	22.7

USA Made in U.S.A.





CDI TORQUE PRODUCTS

SINGLE SETTING TORQUE WRENCHES

Single setting torque wrenches are designed for use on production lines and other applications where a specific torque is required for repetitive operations.

Features

- Factory Pre-Set models are set at the factory to the customer's specified torque setting, and are furnished with a Certificate of Calibration.
- Please specify desired torque setting when order is placed.
- Featuring a durable, non-slip cushion grip
- Uses universal round shank interchangeable heads
- Audible click and feel impulse torque control mechanism
- Tamper proof torque setting for production line use
- Accuracy: ± 4% of indicated value, in direction of torque indicator, from 20% to 100% of full scale
- Meets or exceeds ASME B107.300-2010
- Extra length is added to the front of the 300T-I-48IXL wrench. This allows lower force to be applied by operator to achieve the same torque range as the 300T-I.

SINGLE SETTING TORQUE WRENCHES

Product Code Un-Set	Product Code Factory Pre-Set	English Range	Nm Range	Shank Size	A In.	B In.	C In.	D In.	Wt. Lbs.
5T-I	5T-I-SET	10 - 50 in. lb.	1.1 - 5.6	J	6.5	0.63	0.61	1	0.35
10T-I	10T-I-SET	50 - 250 in. lb.	5.6 - 28	J	10	0.63	0.61	1	0.55
10ST-I	10ST-I-SET	60 - 300 in. lb.	6.8 - 34	J	6.2	0.68	0.86	1.4	0.75
50T-I	50T-I-SET	15 - 75 ft. lb.	20 -102	J	11	0.68	0.96	1.4	1.4
100T-I	100T-I-SET	30 - 150 ft. lb.	41 - 203	Y	19.5	0.94	0.96	1.4	2.3
200T-I	200T-I-SET	40 - 200 ft. lb.	54 - 271	Y	23.5	0.94	0.86	1.4	2.6
300T-I	300T-I-SET	100 - 300 ft. lb.	135 - 406	X	27.7	1.12	1	1.4	3.9
300T-I-48IXL		100 - 300 ft. lb.	135 - 406	X	48	1.12	1	1.4	6.29
600T-I	600T-I-SET	120 - 600 ft. lb.	162 - 814	Z	55	1.5	1.25	1.25	10.45

USA Made in U.S.A.

CDI TORQUE PRODUCTS®

RATCHETING SQUARE DRIVE HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
1/4	TCQJD8A-72	60								
3/8	TCQJD12A-80	60	TCQYD12A-80	100						
1/2	TCQJD16A	60	TCQYD16A	240	TCQXD16A	240				
3/4					TCQXD24A	240	TCQZD24B	480	TCQZD24BDP	480
1					TCQXD32A	240	TCQZD32B	480	TCQZD32BDP	480



Z Shank Dual Pins



TCQJD16A

FIXED SQUARE DRIVE HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
1/4	TCQJSD8A	60								
3/8	TCQJSD12A	60	TCQYSD12A	100						
1/2	TCQJSD16A	60	TCQYSD16A	240	TCQXSD16A	240				
3/4					TCQXSD24A	240	TCQZSD24A	480	TCQZSD24ADP	480
1					TCQXSD32A	240	TCQZSD32A	480		



TCQJSD8A

OPEN END HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
1/4	TCQJO8A	5								
9/32	TCQJO9A	7								
5/16	TCQJO10A	9								
3/8	TCQJO12A	18								
7/16	TCQJO14A	26								
1/2	TCQJO16A	34								
9/16	TCQJO18A	58	TCQYO18A	58						
5/8	TCQJO20A	60	TCQYO20A	70						
11/16	TCQJO22A	60	TCQYO22A	99						
3/4	TCQJO24A	60	TCQYO24A	125	TCQXO24A	125				
13/16	TCQJO26A	60	TCQYO26A	160	TCQXO26A	164				
7/8	TCQJO28A	60	TCQYO28A	160	TCQXO28A	193				
15/16	TCQJO30A	60	TCQYO30A	160	TCQXO30A	200				
1	TCQJO32A	60	TCQYO32A	160	TCQXO32A	240	TCQZO32A	298	TCQZO32ADP	298
1 1/16	TCQJO34A	60	TCQYO34A	160	TCQXO34A	240	TCQZO34A	321	TCQZO34ADP	321
1 1/8	TCQJO36A	60	TCQYO36A	160	TCQXO36A	240	TCQZO36A	367	TCQZO36ADP	367
1 3/16			TCQYO38A	160	TCQXO38A	240	TCQZO38A	433	TCQZO38ADP	433
1 1/4	TCQJO40A	60	TCQYO40A	160	TCQXO40A	240	TCQZO40A	480	TCQZO40ADP	480
1 5/16			TCQYO42A	160	TCQXO42A	240	TCQZO42A	480	TCQZO42ADP	480
1 3/8	TCQJO44A	60	TCQYO44A	160	TCQXO44A	240	TCQZO44A	480	TCQZO44ADP	480
1 7/16			TCQYO46A	160	TCQXO46A	240	TCQZO46A	480	TCQZO46ADP	480
1 1/2	TCQJO48A	60	TCQYO48A	160	TCQXO48A	240	TCQZO48A	480	TCQZO48ADP	480
1 9/16			TCQYO50A	160	TCQXO50A	240	TCQZO50A	480	TCQZO50ADP	480
1 5/8	TCQJO52A	60	TCQYO52A	160	TCQXO52A	240	TCQZO52A	480	TCQZO52ADP	480
1 11/16					TCQXO54A	240	TCQZO54A	480	TCQZO54ADP	480
1 3/4			TCQYO56A	160	TCQXO56A	240	TCQZO56A	480	TCQZO56ADP	480
1 13/16					TCQXO58A	240	TCQZO58A	480	TCQZO58ADP	480
1 7/8			TCQYO60A	160	TCQXO60A	240	TCQZO60A	480	TCQZO60ADP	480
2					TCQXO64A	240	TCQZO64A	480	TCQZO64ADP	480
2 1/16							TCQZO66A	480	TCQZO66ADP	480
2 1/8					TCQXO68	240	TCQZO68A	480	TCQZO68ADP	480
2 1/4			TCQY072	160			TCQZO72A	480	TCQZO72ADP	480
2 3/8									TCQZO76ADP	480
2 1/2			TCQY080	160			TCQZO80A	480	TCQZO80ADP	480
2 3/4							TCQZO88A	480		
3							TCQZO96A	480		



TCQJO16A



TCQZO36ADP

Center of fastener to retaining pin:

TCQJ Series - 2.50"

TCQY Series - 3.00"

TCQX Series - 4.50"

TCQZ Series - 5.75"

Made in U.S.A.

WARNING



Z Shank Dual Pins

CDI TORQUE PRODUCTS

OPEN END HEADS - METRIC



TCQJOM12A



TCQZOM36ADP

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
6	TCQJOM6A	5								
7	TCQJOM7A	6								
8	TCQJOM8A	10								
9	TCQJOM9A	14								
10	TCQJOM10A	22								
11	TCQJOM11A	33								
12	TCQJOM12A	36								
13	TCQJOM13A	41								
14	TCQJOM14A	55	TCQYOM14A	55						
15	TCQJOM15A	60	TCQYOM15A	74						
16	TCQJOM16A	60	TCQYOM16A	88						
17	TCQJOM17A	60	TCQYOM17A	103	TCQXOM17A	103				
18	TCQJOM18A	60	TCQYOM18A	115	TCQXOM18A	115				
19	TCQJOM19A	60	TCQYOM19A	138	TCQXOM19A	138				
20	TCQJOM20A	60	TCQYOM20A	160	TCQXOM20A	160				
21	TCQJOM21A	60	TCQYOM21A	160	TCQXOM21A	180				
22	TCQJOM22A	60	TCQYOM22A	160	TCQXOM22A	206				
23	TCQJOM23A	60	TCQYOM23A	160	TCQXOM23A	229				
24	TCQJOM24A	60	TCQYOM24A	160	TCQXOM24A	240	TCQZOM24A	248	TCQZOM24ADP	250
25	TCQJOM25A	60	TCQYOM25A	160	TCQXOM25A	240				
26	TCQJOM26A	60	TCQYOM26A	160	TCQXOM26A	240				
27	TCQJOM27A	60	TCQYOM27A	160	TCQXOM27A	240	TCQZOM27A	319	TCQZOM27ADP	319
29			TCQYOM29A	160	TCQXOM29A	240				
30	TCQJOM30	60	TCQYOM30A	160	TCQXOM30A	240	TCQZOM30A	413	TCQZOM30ADP	413
32			TCQYOM32A	160	TCQXOM32A	240	TCQZOM32A	480	TCQZOM32ADP	480
34			TCQYOM34A	160	TCQXOM34A	240			TCQZOM34ADP	480
36	TCQJOM36A	60	TCQYOM36A	160	TCQXOM36A	240	TCQZOM36A	480	TCQZOM36ADP	480
38									TCQZOM38ADP	480
41			TCQYOM41	160	TCQXOM41A	240			TCQZOM41ADP	480
46									TCQZOM46ADP	480
50							TCQZOM50A	480	TCQZOM50ADP	480
55							TCQZOM55A	480	TCQZOM55ADP	480
60									TCQZOM60ADP	480
65									TCQZOM65ADP	480
70									TCQZOM70ADP	480

Made in U.S.A.

CDI TORQUE PRODUCTS

OPEN END THIN HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
11/16	TCQJO22ARTH60	60		
1	TCQJO32ARTH	60		
1 1/16	TCQJO34ARTH	60		
1 1/8	TCQJO36ARTH	60		
1 3/16	TCQJO38ARTH	60		
1 1/4	TCQJO40ARTH	60		
1 3/8	TCQJO44ARTH	60		
1 1/2	TCQJO48ARTH	60		
1 9/16	TCQJO50ARTH	60		
1 5/8	TCQJO52ARTH	60	TCQYO52ARTH	160
1 3/4	TCQJO56ARTH	60	TCQYO56ARTH	160
1 7/8	TCQJO60ARTH	60	TCQYO60ARTH	160
2	TCQJO64ARTH	60	TCQYO64ARTH	160
2 1/16	TCQJO66ARTH	60		
2 1/8			TCQYO68ARTH	160
2 1/4			TCQYO72ARTH	160
2 11/16	TCQJO86ARTH	60		



TCQJO38ARTH

CDI TORQUE PRODUCTS®

12-POINT BOX END 15° OFFSET HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
1/4	TCQJX8A	18								
9/32	TCQJX9A	41								
5/16	TCQJX10A	41								
3/8	TCQJX12A	60								
7/16	TCQJX14A	60								
1/2	TCQJX16A	60	TCQYX16A	75						
9/16	TCQJX18A	60	TCQYX18A	112						
5/8	TCQJX20A	60	TCQYX20A	160	TCQXX20A	171				
11/16	TCQJX22A	60	TCQYX22A	160	TCQXX22A	200				
3/4	TCQJX24A	60	TCQYX24A	160	TCQXX24A	219				
13/16	TCQJX26A	60	TCQYX26A	160	TCQXX26A	240			TCQZX26ADP	275
7/8	TCQJX28A	60	TCQYX28A	160	TCQXX28A	240				
15/16	TCQJX30A	60	TCQYX30A	160	TCQXX30A	240	TCQZX30A	300		
1	TCQJX32A	60	TCQYX32A	160	TCQXX32A	240				
1 1/16	TCQJX34A	60	TCQYX34A	160	TCQXX34A	240	TCQZX34A	480	TCQZX34ADP	300
1 1/8			TCQYX36A	160	TCQXX36A	240	TCQZX36A	480	TCQZX36ADP	480
1 3/16			TCQYX38A	160	TCQXX38A	240	TCQZX38A	480	TCQZX38ADP	480
1 1/4			TCQYX40A	160	TCQXX40A	240	TCQZX40A	480	TCQZX40ADP	480
1 5/16			TCQYX42A	160	TCQXX42A	240	TCQZX42A	480	TCQZX42ADP	480
1 3/8					TCQXX44A	240	TCQZX44A	480		
1 7/16			TCQYX46A	160	TCQXX46A	240	TCQZX46A	480	TCQZX46ADP	480
1 1/2			TCQYX48A	160	TCQXX48A	240	TCQZX48A	480	TCQZX48ADP	480
1 9/16			TCQYX50A	160	TCQXX50A	240	TCQZX50A	480	TCQZX50ADP	480
1 5/8			TCQYX52A	160	TCQXX52A	240	TCQZX52A	480	TCQZX52ADP	480
1 11/16					TCQXX54A	240	TCQZX54A	480	TCQZX54ADP	480
1 3/4					TCQXX56A	240	TCQZX56A	480	TCQZX56ADP	480
1 13/16					TCQXX58A	240	TCQZX58A	480	TCQZX58ADP	480
1 7/8					TCQXX60A	240	TCQZX60A	480	TCQZX60ADP	480
2					TCQXX64A	240	TCQZX64A	480	TCQZX64ADP	480
2 1/16							TCQZX66A	480	TCQZX66ADP	480
2 1/8							TCQZX68A	480	TCQZX68ADP	480
2 3/16									TCQZX70ADP	480
2 1/4							TCQZX72A	480	TCQZX72ADP	480
2 3/8									TCQZX76ADP	480
2 1/2							TCQZX80A	480	TCQZX80ADP	480

Made in U.S.A.



Z Shank Dual Pins



TCQJX18A

12-POINT BOX END 0° OFFSET - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
3/8	TCQJXD12A	60		
7/16	TCQJXD14A	60		
1/2	TCQJXD16A	60		
9/16	TCQJXD18A	60		
5/8			TCQYXD20A	160
11/16	TCQJXD22A	60	TCQYXD22A	160
3/4	TCQJXD24A	60	TCQYXD24A	160
7/8	TCQJXD28A	60	TCQYXD28A	160
15/16	TCQJXD30A	60	TCQYXD30A	160
1	TCQJXD32A	60		



TCQJXD24A

⚠WARNING

CDI TORQUE PRODUCTS

12-POINT BOX END 15° OFFSET - METRIC


Z Shank Dual Pins


TCQJXM14A

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
6	TCQJXM6A	15								
7	TCQJXM7A	20								
8	TCQJXM8A	22								
9	TCQJXM9A	30								
10	TCQJXM10A	53								
11	TCQJXM11A	59								
12	TCQJXM12A	60								
13	TCQJXM13A	60	TCQYXM13A	75						
14	TCQJXM14A	60	TCQYXM14A	117						
15	TCQJXM15A	60	TCQYXM15A	148						
16	TCQJXM16A	60	TCQYXM16A	160	TCQXXM16A	183				
17	TCQJXM17A	60	TCQYXM17A	160	TCQXXM17A	197				
18	TCQJXM18A	60	TCQYXM18A	160	TCQXXM18A	224				
19	TCQJXM19A	60	TCQYXM19A	160	TCQXXM19A	238				
20	TCQJXM20A	60	TCQYXM20A	160	TCQXXM20A	240				
21	TCQJXM21A	60	TCQYXM21A	160	TCQXXM21A	240				
22	TCQJXM22A	60	TCQYXM22A	160	TCQXXM22A	240				
23	TCQJXM23A	60	TCQYXM23A	160	TCQXXM23A	240				
24	TCQJXM24A	60	TCQYXM24A	160	TCQXXM24A	240	TCQZXM24A	375	TCQZXM24ADP	375
25	TCQJXM25A	60	TCQYXM25A	160	TCQXXM25A	240	TCQZXM25A	413		
26	TCQJXM26A	60	TCQYXM26A	160	TCQXXM26A	240	TCQZXM26A	448		
27	TCQJXM27A	60	TCQYXM27A	160	TCQXXM27A	240	TCQZXM27A	480	TCQZXM27ADP	480
29			TCQYXM29A	160	TCQXXM29A	240	TCQZXM29A	480		
30			TCQYXM30A	160	TCQXXM30A	240	TCQZXM30A	480	TCQZXM30ADP	480
32			TCQYXM32A	160	TCQXXM32A	240	TCQZXM32A	480	TCQZXM32ADP	480
34			TCQYXM34A	160	TCQXXM34A	240	TCQZXM34A	480	TCQZXM34ADP	480
36			TCQYXM36A	160	TCQXXM36A	240	TCQZXM36A	480	TCQZXM36ADP	480
41									TCQZXM41ADP	480
46									TCQZXM46ADP	480
50									TCQZXM50ADP	480
55									TCQZXM55ADP	480
60									TCQZXM60ADP	480

Made in U.S.A.

12 POINT RATCHET WRENCH HEADS - METRIC

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
16	TCQJBOERM16	60		
18	TCQJBOERM18	60	TCQYBOERM18	160
22	TCQJBOERM22A	60		
24			TCQYBOERM24	160


TCQJBOERM18

12 POINT RATCHET WRENCH HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
3/8	TCQJBOER12	60		
7/16	TCQJBOER14	60		
1/2	TCQJBOER16	60		
9/16	TCQJBOER18	60	TCQYBOER18	112
5/8	TCQJBOER20	60	TCQYBOER20	160
11/16			TCQYBOER22	160
3/4	TCQJBOER24	60	TCQYBOER24	160


TCQJBOER14

CDI TORQUE PRODUCTS

12-POINT BOX END 10° OFFSET - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.
1/2	TCQJXB16A	60				
9/16	TCQJXB18A	60				
5/8	TCQJXB20A	60	TCQYXB20A	79		
11/16	TCQJXB22A	60				
3/4	TCQJXB24A	60	TCQYXB24A	160		
7/8			TCQYXB28A	133		
15/16			TCQYXB30A	160		
1			TCQYXB32A	160		
1 1/8			TCQYXB36A	160		
1 3/8					TCQXXB44A	240
1 1/2					TCQXXB48A	240


TCQJXB18A

12-POINT BOX END 10° OFFSET - METRIC

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
11mm	TCQJXBM11A	59		
12mm	TCQJXBM12A	60		
13mm	TCQJXBM13A	60		
14mm	TCQJXBM14A	60		
16mm	TCQJXBM16A	60		
18mm	TCQJXBM18A	60	TCQYXBM18A	160
19mm	TCQJXBM19	60		
24mm			TCQYXBM24A	160
28mm			TCQYXBM28A	160


TCQJXBM11A

12-POINT BOX END 40° BEND - METRIC

Square Drive (mm)	Y (0.560")	Max Torque Ft. Lbs.
18	TCQYSBXM18A	160
24	TCQYSBXM24A	160


TCQYSBXM18A

12 POINT FLARE NUT HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
9/16	TCQJRX18A	60	TCQYRX18A	67
5/8	TCQJRX20A	60	TCQYRX20A	79
11/16	TCQJRX22A	60	TCQYRX22A	92
3/4	TCQJRX24A	60	TCQYRX24A	104
13/16	TCQJRX26A	60	TCQYRX26A	117
7/8	TCQJRX28A	60	TCQYRX28A	133
15/16	TCQJRX30A	60	TCQYRX30A	146
1	TCQJRX32A	60	TCQYRX32A	158
1 1/16	TCQJRX34A	60	TCQYRX34A	160
1 1/8			TCQYRX36A	160
1 3/16			TCQYRX38A	160
1 1/4			TCQYRX40A	160
1 3/8			TCQYRX44A	160
1 1/2			TCQYRX48A	160
1 5/8			TCQYRX52A	160
2			TCQYRX64A	160


TCQJRX22A

Made in U.S.A.

WARNING



TCQJRXSM11A



TCQJRXS8A





TCRTWH40J



TCQZD32A-1



TCQZ-X

CDI TORQUE PRODUCTS

6 POINT FLARE NUT HEADS - METRIC

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
8	TCQJRXSM8A	17		
9	TCQJRXSM9A	25		
10	TCQJRXSM10A	33		
11	TCQJRXSM11A	42		
12	TCQJRXSM12A	50		
13	TCQJRXSM13A	58		
14	TCQJRXSM14A	60		
15	TCQJRXSM15A	60	TCQYRXSM15A	71
16	TCQJRXSM16A	60	TCQYRXSM16A	75
17	TCQJRXSM17A	60	TCQYRXSM17A	83
18	TCQJRXSM18A	60	TCQYRXSM18A	94
19	TCQJRXSM19A	60	TCQYRXSM19A	104
20	TCQJRXSM20A	60	TCQYRXSM20A	113
21			TCQYRXSM21A	113

6 POINT FLARE NUT HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
1/4	TCQJRXS8A	6		
5/16	TCQJRXS10A	17		
3/8	TCQJRXS12A	29		
7/16	TCQJRXS14A	42		
1/2	TCQJRXS16A	54		
9/16	TCQJRXS18A	60	TCQYRXS18A	74
5/8	TCQJRXS20A	60	TCQYRXS20A	74
11/16	TCQJRXS22A	60	TCQYRXS22A	92
3/4	TCQJRXS24A	60	TCQYRXS24A	104
13/16	TCQJRXS26A	60	TCQYRXS26A	117
7/8	TCQJRXS28A	60	TCQYRXS28A	133
15/16	TCQJRXS30A	60	TCQYRXS30A	146
1	TCQJRXS32A	60	TCQYRXS32A	158
1 1/8			TCQYRXS36A	160

Made in U.S.A.

RATCHETING FLARE NUT HEAD

Square Drive (Inches)	J (0.425")	Y (0.560")	X (0.735")
9/16	TCRTWH36J		
5/8	TCRTWH40J		
11/16	TCRTWH44J		
3/4		TCRTWH48Y	
13/16	TCRTWH52J		
7/8		TCRTWH56Y	
15/16		TCRTWH60Y	
1		TCRTWH64Y	
1 1/8		TCRTWH72Y	
1 1/4		TCRTWH80Y	
1 3/8		TCRTWH88Y	
1 1/2			TCRTWH96X
16mm	TCRTWHM16J		
1 5/8		TCRTWH104Y	
1 7/8		TCRTWH120Y	

ADAPTORS

Product Code	Descriptions
TCQJ-Y	J Male to Y Female
TCQXY	X Male to Y Female
TCQY-X	Y Male to X Female
TCQZ-X	Z Male to X Female
TCQZD32A-1	Z Shank 1 Drive Ratchets

Made in U.S.A.

WILLIAMS®

TORQUE MULTIPLIERS WITH HANDLES

Features

- Provides the operator with nut-turning power that requires only a fraction of the force required when using conventional tools.
- Input and output rotation is in the same direction.
- Reaction bar rotation is opposite to input direction and must rest securely against a rigid object to withstand the generated reaction force.
- By removing 4 screws, heads may be easily disassembled for inspection, cleaning and lubrication.



TORQUE MULTIPLIERS WITH HANDLES

Product Code	Max Output Ft. Lbs.	Multiplication Ratio*	Approx. Ft. Lbs. Rq'd for Max Output	Input Female Sq.	Output Male Sq.	Head Thickness Inc. Tang	Head Diam.	Oal. Lgth. Inc. Reaction Bar
TM-750LW	1000	3.6 to 1	275	½	¾	3 9/32	3 ½	22 ½
TM-1000	2000	3.6 to 1	550	¾	1	4 3/8	3 17/32	24
TM-1500	4000	3.9 to 1	1150	1	1 ½	6 1/8	5 3/16	28 7/8
TM-2000	8000	4.6 to 1	1915	1	1 ½	6 ¼	6 ½	31
TM-2500	12000	5.4 to 1	2200	1	2 ½	7 ¼	7 ¼	30

* Multipliers are mechanical devices which have frictional losses. A 10% factor was included in the multiplication ratio. For higher accuracy of multiplication ratio, output of unit should be checked on torque tester.

USA Made in U.S.A.



WILLIAMS®

TORQUE MULTIPLIERS WITH PLANETARY-GEAR MECHANISM

Features

- Designed where high torques are necessary for fastening or breaking out stubborn fasteners.
- Allows operator safe and easy means of producing torque for job requirements.
- Precision planetary gear multiplies the operator's input from standard torque wrenches.
- Can also multiply the torque from air-driven (non-impact) wrenches.

TORQUE MULTIPLIERS WITH PLANETARY-GEAR MECHANISM

Product Code	Max Output Ft. Lbs.	Input Cap	Gear Ratio	Torque Ratio	Input Female Sq.	Output Sq. Size	Overall Length	Head Height Sq. to Top	Head Dia.
TM-290	750	227	4:1	3:1	½	¾	8 ½	3 ¼	2 13/16
TM-391	1200	200	6:3:1	6:0:1	½	¾	19 39/64	4	3 15/16
TM-392	2200	162	15:0:1	13:6:1	½	1	19 39/64	5 ¾	4 1/16
TM-393	3200	173	20:25:1	18:5:1	½	1	19 39/64	6 ½	4 1/16

USA Made in U.S.A.

WARNING



WILLIAMS®

PLATE REACTION TORQUE MULTIPLIERS

Features

- Input torque holding ratchet - holds multiplier in place during torquing.
- Needle bearing construction for high efficiency.
- Standard reaction plate meets most job applications.
- Shearable output squares - to protect tool during overload.

PLATE REACTION TORQUE MULTIPLIERS

Product Code	Max Output Ft. Lbs.	Input Cap	Gear Ratio	Torque Ratio	Input Female Sq.	Output Sq. Size	Overall Length	Head Height Sq. to Top	Head Dia.
TM-394	5000	189	29:25:1	26:5:1	½	1 ½	14 29/32	8 ¾	5 5/8
TM-395	8000	154	60:1	52:0:1	½	1 ½	15 13/64	10 ¾	5 13/16
TM-492	2200	162	15:1	13:6:1	½	1	14	5 ½	4 7/8
TM-493	3200	173	20:25:1	18:5:1	½	1	14	6 7/16	4 7/8

Made in U.S.A.



WILLIAMS®

REPLACEMENT SQUARE DRIVES FOR TORQUE MULTIPLIERS

Replacement square drives for planetary-gear and plate reaction torque multipliers.

REPLACEMENT SQUARE DRIVES FOR TORQUE MULTIPLIERS

Product Code	Description
TM-391RSD	Repl. Sq Drive For TM-391
TM-392RSD	Repl. Sq Drive For TM-392 and TM-492
TM-393RSD	Repl. Sq Drive For TM-393 and TM-493
TM-394RSD	Repl. Sq Drive For TM-394
TM-395RSD	Repl. Sq Drive For TM-395

Made in U.S.A.

CDI TORQUE PRODUCTS
FACTORY SERVICE CENTER

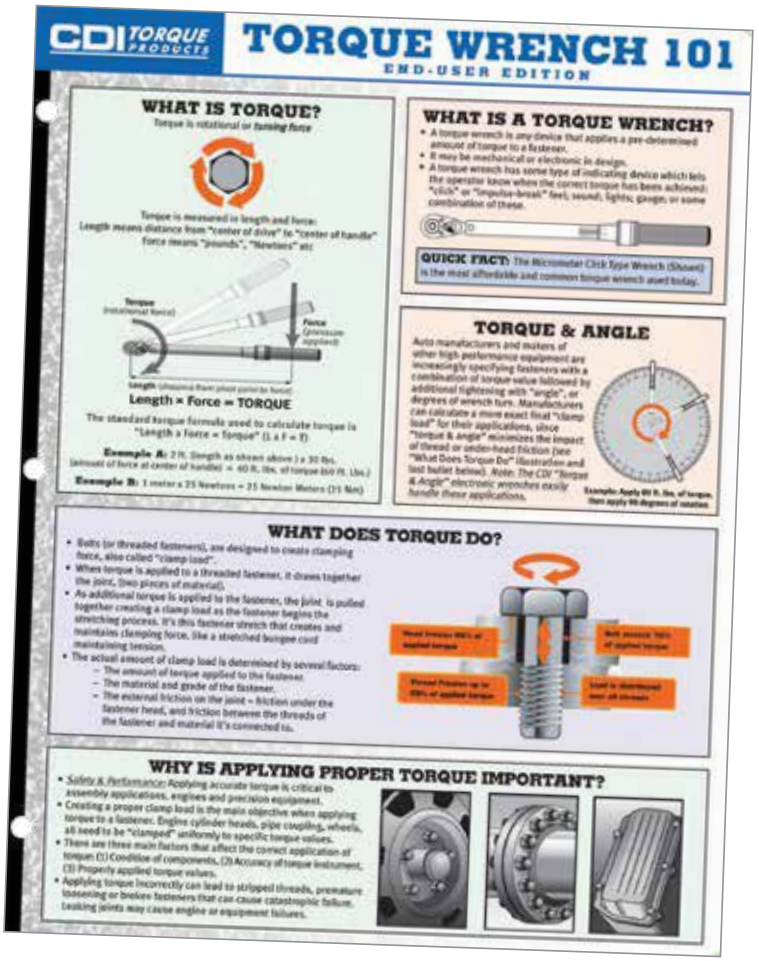
Trust CDI's Factory Service Center for all your CDI torque product repair and calibration work. Use our convenient service website (**www.cdifactoryservice.com**) to check services available, flat rate repair pricing, and to order and track your repair and calibration requests. The website enables you to order all regular paid repair and calibration services, as well as any warranty work needed.

CDI's torque tool factory and repair facility is located in City of Industry (Los Angeles), California. The factory has been ISO 9001 certified since 1998. The CDI Factory Service center repairs and calibrates with N.I.S.T. (National Institute of Standards and Technology) traceable calibration equipment, and CDI Torque Products meet or exceed ASME and ISO standards. Rely on the CDI Torque Products Factory Service Center to do the job right.

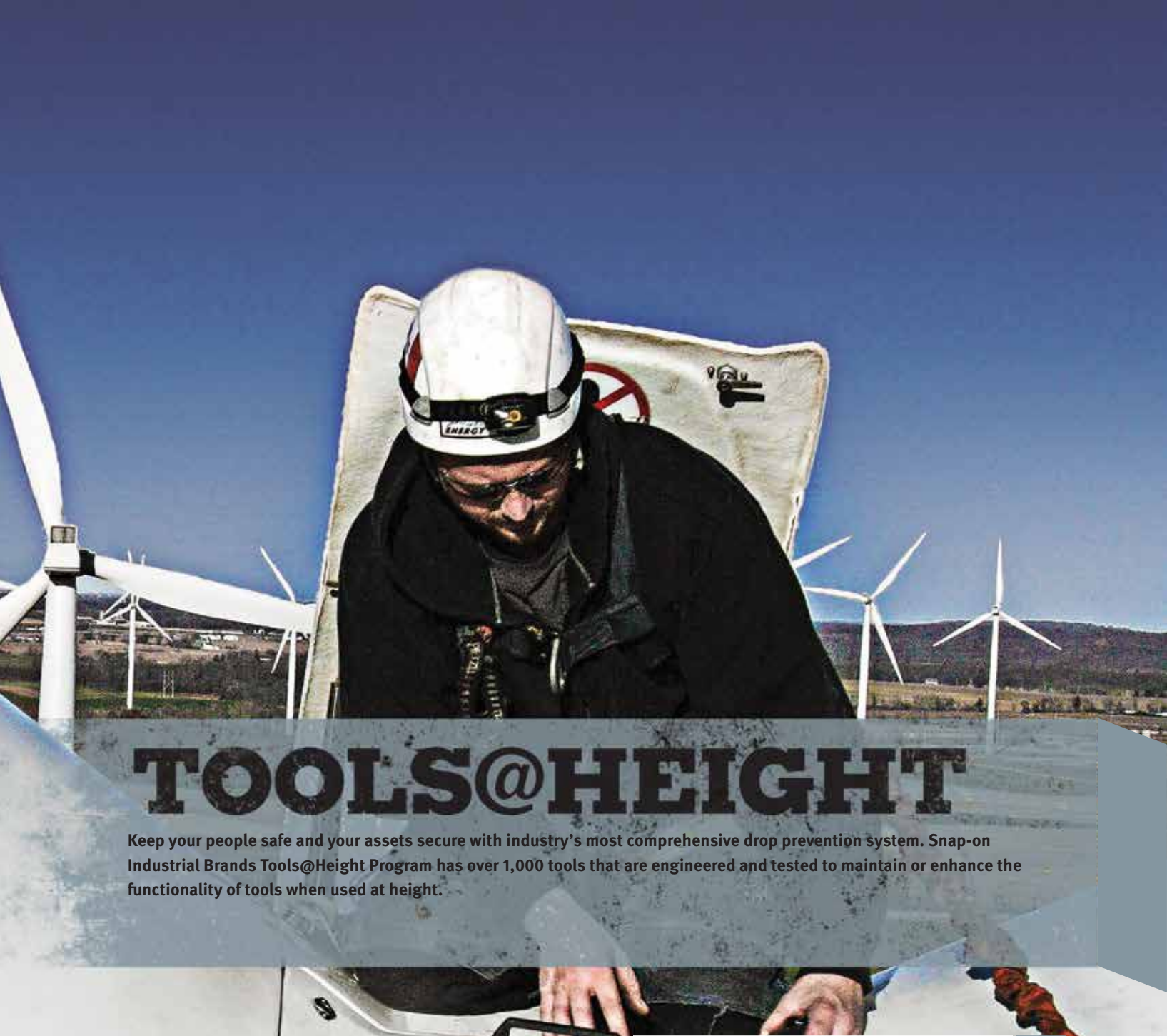
www.cdifactoryservice.com

TORQUE 101

Need help educating your department or shop staff on why applying the correct torque is critical to proper assembly or maintenance operations? CDI's **Torque Wrench 101** is the perfect simple and quick-read reference "textbook" to train staff on what torque is, why it's important, torque wrench applications, proper torque wrench selection, and much more. It's a 4-page laminated reference card, item #T101CDIUSER, and available from your Snap-on Industrial Brands representative.



WARNING



TOOLS@HEIGHT

Keep your people safe and your assets secure with industry's most comprehensive drop prevention system. Snap-on Industrial Brands Tools@Height Program has over 1,000 tools that are engineered and tested to maintain or enhance the functionality of tools when used at height.

Master Sets	126
Lanyards	132
Holsters	136
Wrenches	140
Torque Wrenches	148
Sockets & Drive Tools	149
Screwdrivers	160
Pliers	162
Hammers	167
Punches & Chisels	169
Hacksaws/Scrapers	173
Miscellaneous Tools	175

TOOLS @ HEIGHT™
DROP PREVENTION SYSTEM

ENGINEERED. TESTED. CERTIFIED.

DROPPED TOOLS CAN CREATE SIGNIFICANT HUMAN AND ASSET DAMAGE

- In 2012, people being struck by objects replaced people falling as the 3rd leading cause of death in the workplace.[1]
- A 3lb object falling 200ft carries more than 1,000lbs of force per square inch on impact.

  It is very common for falling objects to deflect and travel significant distances from their original path.

[1] Bureau of Labor Statistics

KEEP YOUR PEOPLE SAFE AND ASSETS SECURE WITH SNAP-ON INDUSTRIAL BRANDS TOOLS@HEIGHT PROGRAM

SNAP-ON INDUSTRIAL BRANDS TOOLS@HEIGHT PROGRAM OFFERS UNIQUE ADVANTAGES

ENGINEERED, TESTED and CERTIFIED SYSTEM to maintain or enhance functionality of tools when used at height

- 4 side lock holes
- Safety coils
- Screwdriver tabs
- Pipe wrenches
- Differentiated proposition; engineered attachment points + tool transportation products
- With over 1,000 products, the industry's most comprehensive drop prevention system
- Turnkey provider of customized solutions
- Worldwide sales and service
- Stocked selection to ensure fast delivery
- Same warranty as standard tools

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



Wrench with safety coil – Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical

- Superior design - no welds to fail
- High performance - made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

Rotating screwdriver tabs – Tab is located for secure retention and allow full use of the screwdriver handle

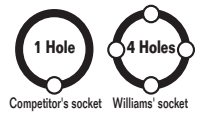
- Stainless steel tab is corrosion resistant
- Tab rotates freely 360° so the lanyard does not wrap around the users hand
- Nylon bushing has a shoulder so the tab will not bind between the handle and shank bolster





Pipe wrenches – We pin the tang of the removable pipe wrench jaw so it cannot become separated from the handle

Square drive tools and accessories – Square drive tools are designed and manufactured with spring loaded lock buttons. The lock button engages with side lock holes drilled in sockets, extensions, and adaptors ensuring positive retention.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.


WTHPRT



409 PIECE TOOLS@HEIGHT MASTER MAINTENANCE TOOL SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	17	Miscellaneous Tools	15
Combination, Box, & Open End Wrenches	71	Pliers	15
Hammers	12	Pry Bars, Punches & Chisels	24
Hand Sockets, Ratchets, & Accessories	155	Screwdrivers & Nut drivers	17
Hex Keys & Sockets	24	Tool Storage	2
		Tools@Height Tethers, Lanyards,&	
Impact Sockets & Accessories	35	Specialties	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-409-THTB	Complete Tools@Height Master Maintenance Tool Set With Tool Boxes (409 Pieces Total)
WSC-409-TH	Complete Tools@Height Master Maintenance Tool Set Only 407 Pieces Total)

Tool Boxes Included

Product Code	Description
W40TC4	40" Wide x 20" Deep 4 Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

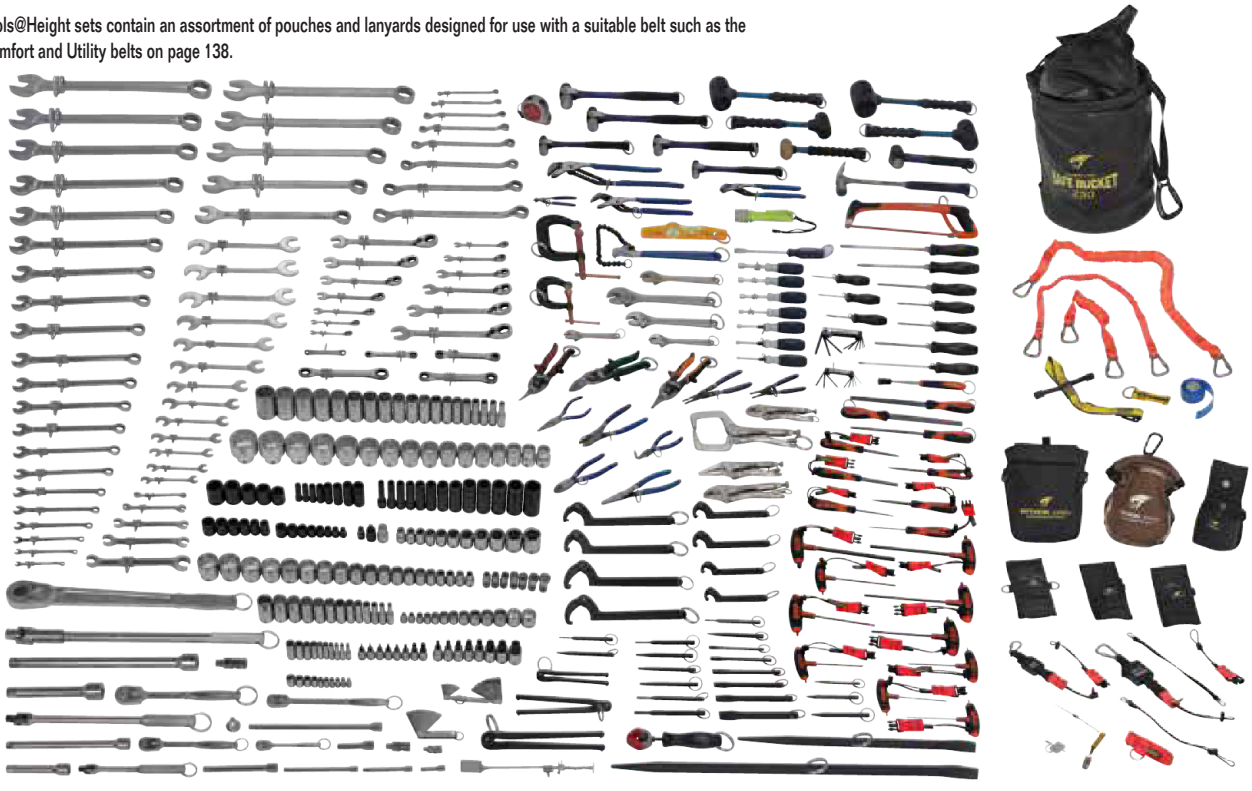
- The Tools@Height Master Maintenance set provides a great assortment of tools for all types of maintenance applications. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Productivity and safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

W40TC4



W40RC7

Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt such as the Comfort and Utility belts on page 138.



WSC-409-TH

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



225 PIECE TOOLS@HEIGHT INTERMEDIATE MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	4	Miscellaneous Tools	14
Combination, Box, & Open End Wrenches	45	Pliers	10
Hammers	7	Pry Bars, Punches & Chisels	13
Hand Sockets, Ratchets, & Accessories	90	Screwdrivers & Nut drivers	8
Hex Keys & Sockets	9	Tool Storage	2
Impact Sockets & Accessories	1	Tools@Height Tethers, Lanyards,& Specialties	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-225-THTB	Complete Tools@Height Intermediate Tool Set With Tool Boxes (225 Pieces Total)
WSC-225-TH	Complete Tools@Height Intermediate Tool Set Only (223 Pieces Total)

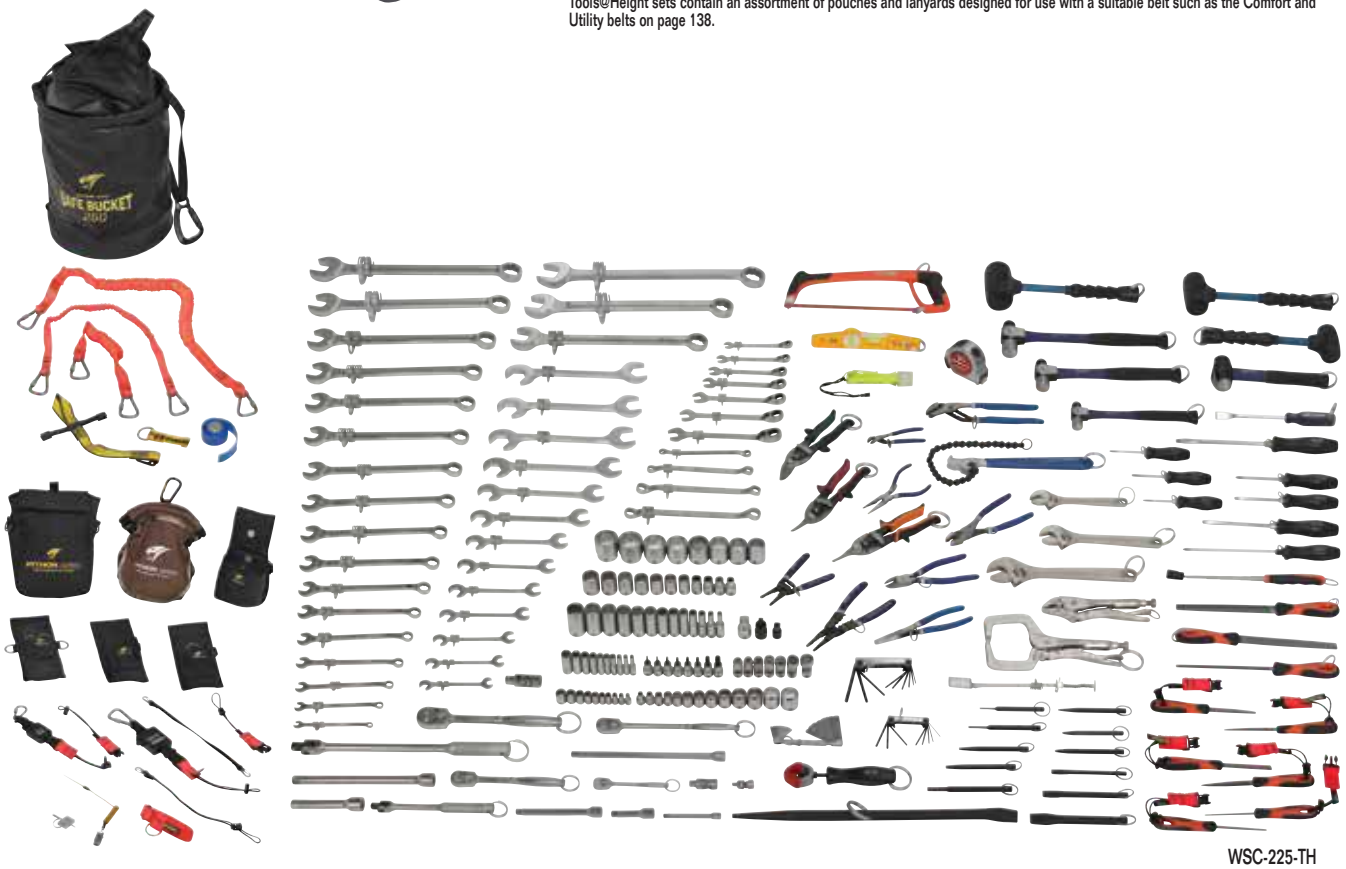
Tool Boxes Included

Product Code	Description
W26TC4	26" Wide x 20" Deep 4 Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The Tools@Height Intermediate Maintenance set provides a full complement of tools. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Productivity and safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt such as the Comfort and Utility belts on page 138.



WSC-225-TH

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

116 PIECE TOOLS@HEIGHT GENERAL MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	2
Combination, Box, & Open End Wrenches	22
Hammers	4
Hand Sockets, Ratchets, & Accessories	37
Hex Keys & Sockets	1
Miscellaneous Tools	6
Pliers	8
Pry Bars, Punches & Chisels	7
Screwdrivers & Nut drivers	6
Tool Storage	1
Tools@Height Tethers, Lanyards,& Specialties	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-116-THTB	Complete Tools@Height General Service Tool Set With Tool Box (116 Pieces Total)
WSC-116-TH	Complete Tools@Height General Service Tool Set Only (115 Pieces Total)

Tool Boxes Included

Product Code	Description
50950	32" Wide x 19" Deep Job Site Box



50950

Features

- The Tools@Height General Maintenance Service set provides a solid complement of tools. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Productivity and Safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt such as the Comfort and Utility belts on page 138.


WSC-116-TH

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



BAHCO WILLIAMS TOOLS@HEIGHT DROP PREVENTION SYSTEM

72 PIECE TOOLS@HEIGHT BASIC MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	1
Combination, Box, & Open End Wrenches	13
Hammers	2
Hand Sockets, Ratchets, & Accessories	18
Hex Keys & Sockets	1
Miscellaneous Tools	5
Pliers	5
Pry Bars, Punches & Chisels	3
Screwdrivers & Nut drivers	3
Tools@Height Tethers, Lanyards,& Specialties	21

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-72-TH	Complete Tools@Height Basic Maintenance Tool Set in Safe Bucket

Features

- Furnished in Safe Bucket for easy portability. Safety right out of the box.
- The Tools@Height Basic Maintenance set provides a good start to a Tools@Height tool program. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 138. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 132 through 139.



WSC-72-TH

45 PIECE TOOL@HEIGHT STARTER PLUS SET

Contains the following tools:

Product Category	Number of Pieces
Adjustable Wrenches	2
Combination Wrenches	10
File	1
Hammer	1
Hand Sockets, Ratchets & Accessories	12
Pick up Tool	1
Pliers	5
Screwdriver	5
Tape Measure	1
Tools@Height Tethers, Lanyards & Specialties	11
Grand Total	49

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-45-TH	Complete Tools@Height Starter Set in Safe Bucket

Features

- The ideal way to start a drop prevention program.
- Use where dropped tools can harm personnel, damage components, or cause down time.
- Excellent assortment of basic hand tools for most maintenance applications.
- Furnished in Safe Bucket for easy portability.



WSC-45-TH

27 PIECE TOOL@HEIGHT STARTER SET

Contains the following tools:

Product Category	Number of Pieces
Adjustable Wrenches	2
File	1
Hammer	1
Pick up Tool	1
Pliers	5
Screwdriver	5
Tape Measure	1
Tools@Height Tethers, Lanyards & Specialties	11

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-27-TH	Complete Tools@Height Starter Set in Safe Bucket

Features

Ideal for general maintenance work in the factory or job site.

- All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies.
- Includes tools and assortment of pouches and lanyards designed for use with a suitable belt.

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 138. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 132 through 139.



WSC-27-TH

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT SCAFFOLD BUILDING KITS

Kit comes assembled and includes tools shown above. Scaffold builders literally open the box, put on the belt, and go to work with a kit that keeps them safe and increases productivity. Since each tool is independently tethered, any tool can be used and returned to its' holster while still maintaining three points of contact as pictured below

Product Code	Description
WTHSCAFFSWSA	Small
WTHSCAFFSWMA	Medium
WTHSCAFFSWLA	Large
WTHSCAFFSWXLA	X-Large

Contents of Scaffold Building Kits:

Product Code	Description
THFSNE3-22SM	Hammer
THFSN25100	Level
BS-63B	Scaffold Ratchet
THTPMA25EM	Tape Measure
13625-TH	Construction Wrench
PL-204C-TH	Linesman's Pliers
HOL-HAMMERCOMBO	Hammer Holster with Coil Lanyard
HOL-POUCHRET	Tape measure Holster
HOL-SCAFFWCOMBO	Scaffold Ratchet Holster w/Bungee Lanyard
HOL-1TOOLBLTRET	Single Tool Holster
HOL-2TOOLBLTRET	Dual Tool Holster
BELT-COMFORT	Belt (Small, Medium, Large or X-Large)
PCH-PARTS-CB	Small Parts pouch w/ Self-closing system

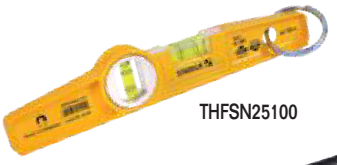
Features

- Safety & Security
- Holsters are designed with built-in attachment points or retractors
- Tools are tethered to the holster at all times so the risk of dropping a tool while transferring from bag to lanyard is eliminated
- Several holsters also feature hook and loop flaps that secure the tool while being transported
- Customizable
- System is completely modular and can be arranged in any order on the tool belt based on the user's preference
- All Tools @ Height holsters and pouches are also available for individual purchase for attachment to existing tool belts or harnesses


THFSNE3-22SM


BS-63B


PL-204C-TH

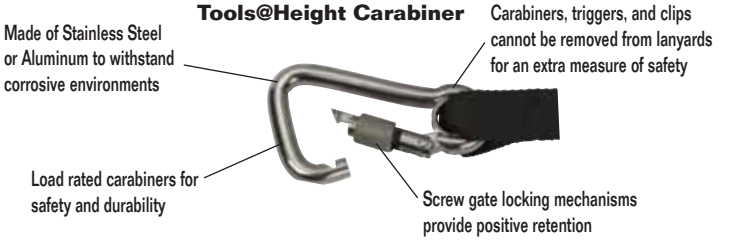

THFSN25100


13625A-TH

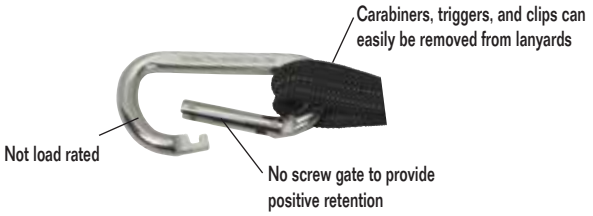

THTPMA25EM



Tools@Height Carabiner



Competitive Carabiner





EXT-H2L1X72HD



EXT-H2R1X72HD



EXT-H2L1X72MD



EXT-H2LBUNGEEMD



WTHCARA30



WTHCARA25



WTHCARA15



WTHUNI15



WTHUNI12

LANYARDS

Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Length)	QTY
EXT-H2L1X72HD	Carabiner to loop web lanyard, Heavy Duty	80	72	n/a	1
EXT-H2R1X72HD	Carabiner to rail hook web lanyard, Heavy Duty	80	72	n/a	1
EXT-H2L1X72MD	Carabiner to loop web lanyard, Medium Duty	35	72	n/a	1
EXT-H2LBUNGEEMD	Carabiner to loop bungee lanyard, Medium Duty	35	49	30	1
WTHCARA30	SST Carabiner to carabiner bungee lanyard, Medium Duty	30	40	18	1
WTHCARA25	SST Carabiner to carabiner bungee lanyard, Medium Duty	25	124	37-45	1
WTHCARA15	SST Carabiner to carabiner bungee lanyard, Standard Duty	15	47	27	1
WTHUNI15	SST Carabiner to loop bungee lanyard, Standard Duty	15	50	30	1
WTHUNI12	SST Carabiner to loop bungee lanyard, Standard Duty	12	124	37-45	1

⚠WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



EXT-H2LBUNGEE



EXT-T2T0.5X12



EXT-T2T0.5X24



EXT-T2T0.5X36



WTHUNI5



WTHL1



WTHL2



WTHANCHOR

LANYARDS AND ANCHOR STRAPS

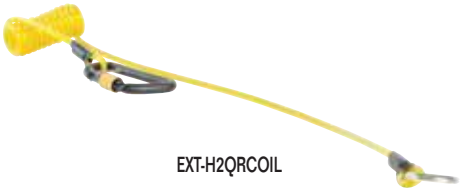
Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Length)	QTY
EXT-H2LBUNGEE	Carabiner to loop bungee lanyard, Standard Duty	10	47	31	1
EXT-H2LBUNGEE-10PK	Carabiner to loop bungee lanyard, Standard Duty 10 pack	10	47	31	10
EXT-T2T0.5X12	Trigger to trigger web lanyard, Standard Duty	10	12	n/a	1
EXT-T2T0.5X12-10PK	Trigger to trigger web lanyard, Standard Duty 10 pack	10	12	n/a	10
EXT-T2T0.5X24	Trigger to trigger web lanyard, Standard Duty	10	24	n/a	1
EXT-T2T0.5X24-10PK	Trigger to trigger web lanyard, Standard Duty 10 pack	10	24	n/a	10
EXT-T2T0.5X36	Trigger to trigger web lanyard, Standard Duty	10	36	n/a	1
EXT-T2T0.5X36-10PK	Trigger to trigger web lanyard, Standard Duty 10 pack	10	36	n/a	10
WTHUNI5	SST Carabiner to loop bungee lanyard, Personal Duty	5	53	33	1
WTHL1	SST Clip to clip web lanyard, Personal Duty	5	14	n/a	1
WTHL2	SST Clip to loop w/barrell lock lanyard, Personal Duty	5	14	n/a	1
WTHANCHOR	Anchor Strap	25	n/a	n/a	1

* Tool Lanyards not included with Tool Holsters unless otherwise stated.

** Tools not included with Tool Holsters.


EXT-H2HCOIL


EXT-T2TCOIL


EXT-H2QRCOIL


EXT-C2CCOIL


EXT-C2LCOIL


EXT-HARDHAT

COIL TETHERS

Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Length)	QTY
EXT-H2HCOIL	Patented carabiner to carabiner vinyl coated braided steel tether, Personal Duty	5	67.5	16.5	1
EXT-H2HCOIL-10PK	Carabiner to carabiner vinyl coated braided steel tether, Personal Duty 10 pack	5	67.5	16.5	10
EXT-T2TCOIL	Trigger to Trigger tether, Personal Duty	5	30	9	1
EXT-T2TCOIL-10PK	Trigger to Trigger tether, Personal Duty 10 pack	5	30	9	10
EXT-H2QRCOIL	Caraibiner to quick ring tether, Personal Duty	2	65.5	25	1
EXT-H2QRCOIL-10PK	Caraibiner to quick ring tether, Personal Duty 10 pack	2	65.5	25	10
EXT-C2CCOIL-10PK	Clip to clip tether, Personal Duty 10 pack	2	44	9	10
EXT-C2LCOIL-10PK	Clip to side release loop tether, Personal Duty 10 pack	2	45.25	10	10
EXT-HARDHAT-10PK	Clip to loop hard hat tether 10 pack	2	44.5	12	10
EXT-HARDHAT-100PK	Clip to loop hard hat tether 100 pack	2	44.5	12	100


WTHUNIRET2


WTHUNIRET2CLIPS


WTHWSRET1


WTHUNIRET1


WTHUNIRET1CLIPS

RETRACTABLE TETHERS

Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Length)	QTY
WTHUNIRET2	Self flushing retractable tether with disconnectable loop	2	42	17	1
WTHRET2CLIPS	25 pack of disconnectable clips/loop for WTHUNIRET2	2	n/a	8	25
WTHUNIRET1	Self flushing retractable tether with disconnectable loop	1	36	14	1
WTHRET1CLIPS	25 pack of disconnectable clips/loop for WTHUNIRET1 and WTHWSRET1	1	n/a	7 3/4	25
WTHWSRET1	Adjustable wrist strap with self flushing retractable tether and disconnectable loop	1	49	10	1

⚠WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



WB-S

WB-M

WB-L



WB-SLIM-S

PULLAWAY WRISTBANDS

Product Code	Size	Load Rating (lbs)	QTY
WB-S	Small	5	1
WB-S-10PK	Small	5	10
WB-M	Medium	5	1
WB-M-10PK	Medium	5	10
WB-L	Large	5	1
WB-L-10PK	Large	5	10
WB-SLIM-S-10PK	Slim / Small	5	10
WB-SLIM-M-10PK	Slim / Medium	5	10
WB-SLIM-L-10PK	Slim / Large	5	10

Features

- Pullaway wristbands are designed so that they can be escaped from in emergency situations
- Pullaway Wristbands feature an elastic strap that conform to the users wrist size automatically.



WTHWS1



WB-ADJCORD



WB-ADJ



WB-ADJRET



WTHWSRET1

ADJUSTABLE WRISTBANDS

Product Code	Load Rating (lbs)	QTY
WTHWS1	5	1
WB-ADJ	5	1
WB-ADJ-10PK	5	10
WB-ADJCORD	5	1
WB-ADJCORD-10PK	5	10
WB-ADJRET	1.5	1
WB-ADJRET-10PK	1.5	10
WTHWSRET1	1	1

Features

- Adjustable Wristbands can be sized to virtually any wrist size with Hook and Loop closure straps.

Tools not included with Wristbands.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.


HOL-ADJRADIOCOMBO


HOL-BOTTLE


HOL-HAMMER


HOL-1TOOLBLTRET


HOL-1TOOLHAR


HOL-1TOOLXD


HOL-2TOOLBLTRET


HOL-2TOOLHAR


HOL-BOXWHARRET


HOL-POUCHRET


HOL-SCAFFWRET


HOL-TAPECOMBO


RET-52STEEL


PYT1500090

TOOL HOLSTERS

Product Code	Description
HOL-ADJRADIO†	Adjustable Radio Holster
HOL-ADJRADIOCOMBO	Adjustable Radio Holster Combo (includes EXT-C2LCOIL)
HOL-BOTTLE	Bottle / Spray Can Holster
HOL-BOTTLECOMBO	Bottle / Spray Can Holster Combo (Includes EXT-C2CCOIL)
HOL-HAMMER†	Hammer Holster
HOL-HAMMERCOMBO	Hammer Holster Combo (Includes EXT-H2QRCOIL)
HOL-1TOOLBLT	Single Tool Belt Holster
HOL-1TOOLBLTRET†	Single Tool Belt Holster with Retractor
HOL-1TOOLHAR	Single Tool Harness Holster
HOL-1TOOLHARRET†	Single Tool Harness Holster with Retractor
HOL-1TOOLXD†	Extra-Deep Single Tool Holster
HOL-2TOOLBLT	Dual Tool Belt Holster
HOL-2TOOLBLTRET†	Dual Tool Belt Holster with Retractors

Product Code	Description
HOL-2TOOLHAR	Dual Tool Harness Holster
HOL-2TOOLHARRET†	Dual Tool Harness Holster with Retractors
HOL-BOXWHARRET†	Box Wrench Holster with Retractor (Harness)
HOL-POUCHRET†	Pouch Holster with Retractor
HOL-SCAFFWRET†	Scaffold Wrench Holster with Retractor
HOL-SCAFFWCOMBO	Scaffold Wrench Holster with Retractor Combo (Includes EXT-H2LBUNGEE)
HOL-TAPERET†	Tape Measure Holster with Retractor
HOL-TAPESLEEVE†	Tape Measure Sleeve
HOL-TAPECOMBO	Tape Measure Holster with Retractor Combo (Includes HOL-TAPESLEEVE)
RET-52STEEL	52" Steel Cable Retractor with Polycarbonate Body
PYT1500090	Cordless Tool Battery Holster (Shown with EXT-H2LBUNGEE not included)

* Tool Lanyards not included with Tool Holsters unless otherwise stated. ** Tools not included with Tool Holsters. †Patent Pending

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



PCH-PARTS-CC

SMALL PARTS POUCH

Product Code	Description
PCH-PARTS-CB	Small Parts Pouch - Canvas Black
PCH-PARTS-CC	Small Parts Pouch - Canvas Camo
PCH-PARTS-CO	Small Parts Pouch - Canvas Orange
PCH-PARTS-VY	Small Parts Pouch - Vinyl Yellow
PCH-PARTSXD-CB	Small Parts Pouch Extra-Deep - Canvas Black

Features

- The patented Small Parts Pouch stops accidental drops with an innovative self-closure system that traps objects inside making it nearly impossible for objects to fall out once placed in the bag.
- Easy to retrieve objects since no opening or closing is necessary.
- Available is several colors, and a vinyl variant.
- Extra-deep Small Parts Pouch is also available for extra storage space.



PCH-UTILITY

UTILITY POUCH

Product Code	Description
PCH-UTILITY	Utility Pouch

Features

- Two welded D-Rings on front of pouch to tie off tools.
- One additional D-Ring inside pouch.
- Two inner pouch pockets for storing tools.
- Belt loop on back of pouch.
- Two side ears are perfect for holding spud wrenches and sleever bars.
- Drain vent on the bottom of the pouch.



PCH-INSPECT



INSPECTION POUCH

Product Code	Description
PCH-INSPECT	Inspection Pouch

Features

- Provisional patent pending

PCH-TOOL

PCH-TOOL-XD



EXT-H2LBUNGEE

TOOL POUCHES

Product Code	Description
PCH-TOOL	Tool Pouch with D-Ring
PCH-TOOLRET	Tool Pouch with D-Ring and Retractors
PCH-TOOLTRIG	Tool Pouch with D-Ring and Triggers
PCH-TOOLXD	Extra Deep Tool Pouch with D-Ring
PCH-TOOLXDRET	Extra Deep Tool Pouch with D-Ring and Retractors
PCH-TOOLXDTRIG	Extra Deep Tool Pouch with D-Ring and Triggers

COMFORT TOOL BELTS

Product Code	Waist Size (Inches)
BELT-COMFORT-S	28" - 32"
BELT-COMFORT-M	32" - 36"
BELT-COMFORT-L	36" - 40"
BELT-COMFORT-XL	40" - 44"
BELT-COMFORT-2XL	44" - 48"
BELT-COMFORT-3XL	48" - 52"

Features

- A drop prevention tool belt system that's both durable and comfortable
- Modular design allowing the user to customize their own personal holster and pouch set up.



BELT-COMFORT-S

UTILITY BELTS

Product Code	Waist Size (Inches)
BELT-UTILITY-SL	28" - 46"
BELT-UTILITY-XL	40" - 54"

Features

- Utility tool belt features a high strength grommet closure system with padding inside two layers of cordura that provides for durability and comfort.



BELT-UTILITY-SL

BELT LOOPS

Product Code	Description	Load Rating (lbs)	QTY
BELT-DRLOOP	Belt Loop D-Ring	5	1
BELT-DRLOOP-10PK	Belt Loop D-Ring	5	10
BELT-TRLOOP	Belt Loop Trigger	5	1
BELT-TRLOOP-10PK	Belt Loop Trigger	5	10

Features

- Compatible with all tool belts above
- D-Ring Belt Loop Attachment creates an instant attachment point that is third-party load-rated for 5 lbs.
- Belt Loop Trigger creates an instant staging point that is third-party load-rated for 5 lbs. A thumb release steel trigger snap allows for quick tool transfers while maintaining a secure connection, even while wearing work gloves. Modular design allowing the user to customize their own personal holster and pouch set up.



BELT-DRLOOP



BELT-TRLOOP

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



BKT-100HLC



BKT-250DRAWV

SAFE BUCKETS

Product Code	Closure System	Body Material	Load Rating (lbs)
BKT-100HLC	Hook and Loop	Canvas	100
BKT-100DRAWC	Drawstring	Canvas	100
BKT-250HLV	Hook and Loop	Vinyl	250
BKT-250DRAWV	Drawstring	Vinyl	250

Features

- Every Safe Bucket is manufactured with either a hook and loop or drawstring closure system which helps prevent accidental drops.
- All Safe Buckets are third-party load rated.
- Sewn into the bottom of every Safe Bucket is hard composite plating that protects the bucket from accidental punctures. A protective leather sleeve covers the inserts that is resilient to the elements and harsh work environments.
- The Safe Bucket was engineered to be used with tools at height, and includes multiple connection points that can be tethered to. Workers can tether their tools directly to the Safe Bucket when being used, and store their tools for transport when finished.
- Instead of rope which is susceptible to fraying, a heavy-duty hoisting/shoulder strap is built into every Safe Bucket. Each bucket is also equipped with a high-quality and lightweight aluminum twist-lock carabiner load rated for 30 kN (6,700 lbs). There is no need to worry about a knot failing, or a non-locking carabiner which may slip off a connection point.
- Safe Buckets are 15 inches tall and have a 12.5 inch Diameter.



BKT-48SCAF



BKT-HBINSERT

HARD BODY SAFE BUCKET INSERT

Product Code
BKT-HBINSERT

Features

- The Hard Body Safe Bucket Insert converts the standard soft body Safe Bucket into a hard body bucket with four inner pockets for staging tools and small parts. The insert can be removed and reused, and is compatible with all standard Safe Buckets.

Tools not included

EXTRA DEEP SAFE BUCKETS

Product Code	Length (Inches)	Load Rating (lbs)
BKT-48SCAF	48	100
BKT-72SCAF	72	100
BKT-120SCAF	120	100

Features

- Extra Deep Safe Buckets feature a hook and loop closure system allowing for the safe transport of scaffold poles and large tools.
- Available in three different lengths.
- Third-party load rated for 100 pounds.
- A heavy duty webbing hoisting strap comes with a built in twist-lock aluminum carabiner for lifting.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT SUPERCOMBO® COMBINATION WRENCHES

High Polish Chrome and Satin Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
1208SC-TH +	1/4	4 1/4	9/16	1/8	13/32	3/16	0.04
1210SC-TH +	5/16	5 3/4	11/16	5/32	1/2	7/32	0.08
1212SC-TH ++	3/8	6 1/2	13/16	3/16	9/16	1/4	0.12
1214SC-TH ++	7/16	7 1/4	15/16	7/32	11/16	9/32	0.17
1216SC-TH ++	1/2	8	1 1/16	1/4	3/4	11/32	0.23
1218SC -TH ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8	0.31
1220SC -TH ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32	0.43
1222SC -TH ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16	0.51
1224SC-TH ++	3/4	11	1 5/8	5/16	1 1/8	1/2	0.62
1226SC-TH ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32	0.79
1228SC-TH ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16	0.96
1230SC -TH ++	15/16	13 1/4	2	7/16	1 3/8	19/32	1.20
1232SC-TH ++	1	14	2 1/8	15/32	1 15/32	5/8	1.48
1234SC -TH ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32	1.65
1236SC-TH ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16	1.94
1240SC -TH ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4	2.58
1242-TH **	1 5/16	17 3/4	2 13/16	19/32	1 29/32	3/4	2.96
1244 -TH **	1 3/8	18 1/2	2 15/16	5/8	2	3/4	3.45
1246-TH **	1 7/16	19 1/4	3 1/16	5/8	2 3/32	7/8	3.85
1248-TH **	1 1/2	20 1/32	3 3/16	11/16	2 3/16	7/8	4.29
1180-TH **	1 5/8	21 1/2	3 5/16	11/16	2 11/32	7/8	3.70
1182-TH **	1 11/16	22 9/32	3 7/16	23/32	2 7/16	7/8	5.22
1184-TH **	1 3/4	22 7/8	3 9/16	23/32	2 17/32	1 1/32	5.62
1186-TH **	1 13/16	23 15/32	3 11/16	3/4	2 5/8	1 1/32	6.34
1188-TH **	1 7/8	24 1/32	3 13/16	25/32	2 23/32	1 1/32	6.92
1190-TH **	2	25 1/4	4 1/16	27/32	2 7/8	1 1/32	8.20



1222SC-TH



1180-TH

WS-6-TH 6 Piece Supercombo Combination Wrench Set 2.27 LBS

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1214SC-TH	7/16	1218SC-TH	9/16	1222SC-TH	11/16
1216SC-TH	1/2	1220SC-TH	5/8	1224SC-TH	3/4



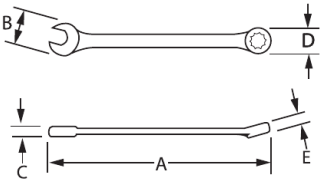
WS-6-TH

+ High Polish Chrome Finish with SUPERTORQUE® Box End.
++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End.
** Satin Chrome Finish with SUPERTORQUE® Box End and Standard Open End.
* Satin Chrome Finish with Standard Open and Box Ends.
Fed. Spec.: ANSI B107.6; SAE AS 954

USA Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.





Wrench with Safety Coil –

Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical

- Superior Design - No welds to fail
- High Performance - Made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1 ½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM 12 M

TOOLS@HEIGHT SUPERCOMBO® COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric



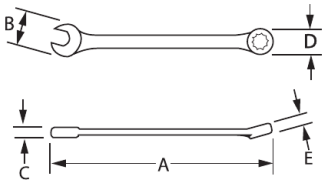
Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
1207MSC-TH ++	7	5 5/16	5/8	5/32	15/32	7/32	0.06
1208MSC-TH ++	8	5 25/32	23/32	5/32	1/2	7/32	0.08
1209MSC-TH ++	9	6 9/32	13/16	3/16	9/16	1/4	0.10
1210MSC-TH ++	10	6 3/4	7/8	3/16	5/8	9/32	0.13
1211MSC-TH ++	11	7 1/4	31/32	7/32	11/16	5/16	0.18
1212MSC-TH ++	12	7 11/16	1 1/32	7/32	3/4	5/16	0.20
1213MSC-TH ++	13	8 1/32	1 1/8	1/4	25/32	11/32	0.23
1214MSC-TH ++	14	8 5/8	1 7/32	1/4	27/32	3/8	0.32
1215MSC-TH ++	15	9 3/32	1 9/32	9/32	29/32	13/32	0.35
1216MSC-TH ++	16	9 1/2	1 3/8	9/32	15/16	13/32	0.41
1217MSC-TH ++	17	10 1/16	1 15/32	5/16	1	7/16	0.47
1218MSC-TH ++	18	10 17/32	1 17/32	5/16	1 1/16	15/32	0.56
1219MSC-TH ++	19	11 1/32	1 5/8	11/32	1 1/8	1/2	0.67
1220MSC-TH ++	20	11 1/2	1 23/32	3/8	1 3/16	1/2	0.77
1221MSC-TH ++	21	11 25/32	1 3/4	3/8	1 7/32	17/32	0.82
1222MSC-TH ++	22	12 1/2	1 29/32	13/32	1 5/16	9/16	1.08
1223MSC-TH ++	23	12 7/8	1 31/32	7/16	1 11/32	9/16	1.08
1224MSC-TH ++	24	13 9/32	2	7/16	1 3/8	19/32	1.20
1225MSC-TH ++	25	14 1/32	2 5/32	15/32	1 15/32	5/8	1.49
1226MSC-TH +	26	14 5/16	2 3/16	1/2	1 1/2	21/32	1.51
1227MSC-TH +	27	14 25/32	2 9/32	1/2	1 9/16	11/16	1.64
1229MSC-TH +	29	15 17/32	2 13/32	17/32	1 21/32	23/32	2.00
1230MSC-TH +	30	16 9/32	2 17/32	17/32	1 3/4	3/4	2.30
1232MSC-TH +	32	17 1/32	2 11/16	9/16	1 13/16	3/4	2.76
1234MSC-TH +	34	17 25/32	2 13/16	19/32	1 29/32	3/4	2.92
1236MSC -TH +	36	19 9/32	3 1/16	21/32	2 3/32	7/8	3.86

+ High Polish Chrome Finish with SUPERTORQUE® Box End
++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End
Fed. Spec.: ANSI B107.6; SAE AS 954

USA Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points.
  No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.





Wrench with Safety Coil –
Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical
- Superior Design - No welds to fail
- High Performance - Made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1 ½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 M

TOOLS@HEIGHT REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
1208MRC-TH	8	5 1/4	23/32	3/16	23/32	9/32	0.08
1209MRC-TH	9	5 7/8	13/16	5/32	25/32	5/16	0.14
1210MRC-TH	10	6 1/4	7/8	7/32	7/8	11/32	0.15
1211MRC-TH	11	6 5/8	15/16	7/32	29/32	11/32	0.22
1212MRC-TH	12	6 13/16	1	7/32	31/32	3/8	0.00
1213MRC-TH	13	7	1 1/32	1/4	1	13/32	0.36
1214MRC-TH	14	7 3/8	1 3/16	1/4	1 3/32	13/32	0.42
1215MRC-TH	15	7 3/4	1 1/4	9/32	1 5/32	7/16	0.56
1216MRC-TH	16	8 3/16	1 11/32	9/32	1 7/32	7/16	0.77
1217MRC-TH	17	9	1 7/16	9/32	1 9/32	1/2	0.93
1218MRC-TH	18	9 3/8	1 17/32	5/16	1 3/8	15/32	1.15
1219MRC-TH	19	9 3/4	1 17/32	11/32	1 7/16	17/32	1.33


1210MRC-TH

Features

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 F

TOOLS@HEIGHT REVERSIBLE RATCHETING COMBINATION WRENCHES

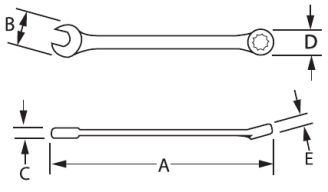
High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
1208RC-TH	1/4	5 1/4	23/32	3/16	23/32	9/32	.06
1210RC-TH	5/16	5 1/4	23/32	5/32	23/32	9/32	0.08
1212RC-TH	3/8	6 1/4	7/8	3/16	7/8	5/16	0.10
1214RC-TH	7/16	6 5/8	15/16	7/32	29/32	11/32	0.13
1216RC-TH	1/2	7	1 1/32	1/4	1	13/32	0.16
1218RC-TH	9/16	7 3/8	1 3/16	1/4	1 3/32	13/32	0.18
1220RC-TH	5/8	8 7/32	1 11/32	9/32	1 7/32	7/16	0.00
1222RC-TH	11/16	9	1 7/16	9/32	1 11/16	1/2	0.27
1224RC-TH	3/4	9 3/4	1 17/32	11/32	1 15/32	17/32	0.00
1226RC-TH	13/16	10 1/2	1 23/32	3/8	1 9/16	17/32	0.36
1228RC-TH	7/8	11 13/32	1 7/8	11/32	1 21/32	19/32	0.44
1230RC-TH	15/16	12	1 31/32	15/32	1 27/32	5/8	0.50
1232RC-TH	1	13	2 3/32	15/32	1 7/8	5/8	0.56


1232RC-TH

Features

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.





Wrench with Safety Coil –
Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical

- Superior Design - No welds to fail
- High Performance - Made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1 ½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

⚠WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.


3732-TH

TOOLS@HEIGHT 15°-60° DOUBLE OPEN END ANGLE-HEAD WRENCHES

Chrome Satin Finish, SAE

Product Code	Size (Inches)	A Head Diameter	B Head Thickness	C Overall Length (Inches)	Weight (lbs)
3716-TH	1/2	1	7/32	5 1/2	0.10
3718-TH	9/16	1 1/8	1/4	6	0.14
3720-TH	5/8	1 3/16	9/32	6 1/4	0.14
3722-TH	11/16	1 5/16	9/32	7	0.21
3724-TH	3/4	1 7/16	9/32	7 1/4	0.28
3726-TH	13/16	1 19/32	9/32	7 1/2	0.27
3728-TH	7/8	1 21/32	9/32	8 1/4	0.35
3732-TH	1	1 15/16	5/16	9 3/4	0.41
3734-TH	1 1/16	2 1/16	5/16	10	0.50
3736-TH	1 1/8	2 1/4	5/16	11	0.61
3740-TH	1 1/4	2 3/8	11/32	11 1/2	0.70
3744-TH	1 3/8	2 11/16	13/32	12 1/2	0.85
3746-TH	1 7/16	2 11/16	13/32	12 1/2	1.25
3748-TH	1 1/2	2 11/16	13/32	12 1/2	1.19

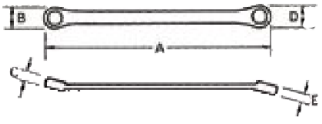
Fed. Spec. ANSI B107.39 Type 2 Class 3

Made in U.S.A.

Features

- Wrench heads are offset at 15° and 60° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin chrome finish provides good grip and cleans easily


7731B-TH



TOOLS@HEIGHT DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
7723-TH	3/8 x 7/16	7 5/8	19/32	5/16	21/32	11/32	0.11
7725B-TH	1/2 x 9/16	8 11/16	3/4	3/8	27/32	3/8	0.30
7727A-TH	5/8 x 11/16	10 5/32	29/32	7/16	1	15/32	0.47
7029B-TH	11/16 x 3/4	10 15/16	1	15/32	1 3/32	1/2	0.53
7731A-TH	3/4 x 7/8	12 1/32	1 3/32	1/2	1 1/4	9/16	0.73
7731B-TH	13/16 x 7/8	12 13/32	1 3/16	17/32	1 1/4	9/16	0.80
7033C-TH	15/16 x 1	14 1/8	1 11/32	19/32	1 7/16	5/8	0.94
7038-TH	1 1/8 x 1 3/16	16 3/32	1 19/32	11/16	1 11/16	11/16	1.66
7039B-TH	1 1/4 x 1 5/16	17 5/8	1 25/32	23/32	1 27/32	3/4	0.00

Fed. Spec. ANSI B107.6

Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 M

TOOLS@HEIGHT DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, Metric

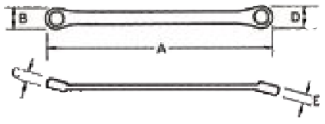
Product Code	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
BWM-0810-TH	8 x 10	7 5/16	1/2	9/32	19/32	5/16	0.15

Fed. Spec. ANSI B107.9M

Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.





BMW-0810-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

6 F

TOOLS@HEIGHT DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)	Weight (lbs)
XFN-0810-TH	1/4 x 5/16	4 27/32	18/32	1/4	5/8	8/32	0.12
XFN-1214-TH	3/8 x 7/16	5 13/16	25/32	5/16	27/32	11/32	0.14
XFN-1618-TH	1/2 x 9/16	6 13/16	15/16	3/8	1	13/32	0.23
XFN-2022-TH	5/8 x 11/16	7 3/4	1 3/32	7/16	3/16	15/32	0.38
XFN-2432-TH	3/4 x 1	9 1/2	1 1/4	1/2	19/32	5/8	0.70
XFN-2836-TH	7/8 x 1 1/8	10.5	1 7/16	9/16	1 3/4	11/16	0.99

Fed. Spec.: ANSI B107.6

WS-14-TH 5 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Pouch – R-4 2.71 lbs

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
XFN-1214-TH	3/8 x 7/16	XFN-2022-TH	5/8 x 11/16	XFN-2836-TH	7/8 x 1 1/8
XFN-1618-TH	1/2 x 9/16	XFN-2432-TH	3/4 x 1		

Made in U.S.A.

Features

- Will not mar fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.



XFN-2836-TH

WS-14-TH



Wrench with Safety Coil –

Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical

- Superior Design - No welds to fail
- High Performance - Made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1 ½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

⚠WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



10658-TH



11692-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

6 M

TOOLS@HEIGHT DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)	Weight (lbs)
10650-TH	9 x 11	5 11/16	13/16	11/32	15/16	5/16	0.11
10652-TH	10 x 12	6 1/8	7/8	3/8	29/32	5/16	0.15
10654-TH	13 x 14	6 7/8	1	3/8	1 3/32	3/8	0.20
10656-TH	15 x 17	7 7/8	1 1/16	7/16	1 7/32	1/2	0.28
10658-TH	19 x 21	8 7/8	1 9/32	1/2	1 13/32	17/32	0.43

Fed. Spec.: ANSI B107.9M

11692-TH 5 Piece Double Head Flare Nut Wrench Set, 6 Point, Metric, in Pouch – 50001 1.43 lbs.

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
10650-TH	9 x 11	10654-TH	13 x 14	10658-TH	19 x 21
10652-TH	10 x 12	10656-TH	15 x 17		

Features

- Will not damage fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.



RB-810-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

6 12 F

TOOLS@HEIGHT DOUBLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 6 & 12 Point, SAE

Product Code	Number of Points	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
RB-810-TH	6	1/4 x 5/16	4 1/4	19/32	3/8	11/16	3/8	.12
RB-1214-TH	6	3/8 x 7/16	5 1/2	25/32	3/8	7/8	3/8	.18
RB-1618-TH	6	1/2 x 9/16	6 3/4	1	1/2	1 5/32	1/2	.33
RB-2022-TH	12	5/8 x 11/16	8 1/8	1 5/16	1/2	1 7/16	1/2	.44
RB-2428-TH	12	3/4 x 7/8	9 1/4	1 13/32	1/2	1 9/16	1/2	.48

Features

- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.
- Flat handle allows access to tight clearance areas.

USA Made in U.S.A.



3524-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

F

TOOLS@HEIGHT 30° SERVICE WRENCHES, SAE

Satin Chrome Finish, SAE

Product Code	Size (Inches)	Overall Length (Inches)	Head Diameter	Head Thickness	Weight (lbs.)
3524-TH	3/4	6 1/4	1 11/16	1/4	.31
3526-TH	13/16	6 1/4	1 11/16	1/4	.28
3528-TH	7/8	6 1/4	1 11/16	1/4	.28
3530-TH	15/16	6 7/8	1 7/8	1/4	.36
3532-TH	1	6 7/8	1 7/8	1/4	.37
3534-TH	1 1/16	6 7/8	1 7/8	1/4	.35
3536-TH	1 1/8	7	2 1/16	1/4	.37
3538-TH	1 3/16	7	2 1/16	1/4	.37
3540-TH	1 1/4	7	2 1/16	1/4	.36
3542-TH	1 5/16	7 5/8	2 1/2	9/32	.51
3544-TH	1 3/8	7 5/8	2 1/2	9/32	.49
3546-TH	1 7/16	7 5/8	2 1/2	9/32	.45
3548-TH	1 1/2	7 5/8	2 1/2	9/32	.48

USA Made in U.S.A.

Features

- Ultra thin pattern for use on jam nuts and access to confined areas.
- 30° offset head.
- Satin chrome finish.

TOOLS@HEIGHT ADJUSTABLE WRENCH

Chrome Finish

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Weight (lbs.)
AP-6A-TH	6	3/4	7/16	.30
AP-8A-TH	8	1	1/2	.57
AP-10A-TH	10	1 11/64	39/64	.98
AP-12A-TH	12	1 5/16	23/32	1.53
AP-15A-TH	15	1 11/16	51/64	2.95
AP-18A-TH	18	2 1/16	57/64	4.15
AP-24A-TH	24	2 7/16	1 6/64	6.98

Made in U.S.A.

Features

- Chrome plated finish allows for easy cleaning after each use.
- Serrated knurl is designed for quick and smooth adjustments.
- I-Beam designed handle provides strength and durability.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.



AP-8A-TH

TOOLS@HEIGHT ADJUSTABLE CONSTRUCTION WRENCH

Heavy-Duty With Polished Head and Measurement Scales

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Weight (lbs)
13625-TH	15	1 1/2	23/32	2.24

Features

- Tapered spud handle locates and aligns bolts and rivets.
- Hole in handle permits tethering wrench for safety.
- Measurement scale on head conveniently shows fastener size.
- Economical black phosphate finish resists rust.



13625-TH

TOOLS@HEIGHT SINGLE HEAD OPEN END OFFSET STRUCTURAL WRENCHES

Industrial Black Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Handle Offset (Inches)	Weight (lbs)
1905-TH	7/8	14 5/16	2	9/16	1	1.42
1906-TH	15/16	14 3/16	1 31/32	19/32	1	1.51
1907-TH	1 1/16	16 13/16	2 5/32	5/8	1 1/8	1.85
1908-TH	1 1/4	17 11/16	2 23/32	11/16	1 1/4	2.85
1909-TH	1 7/16	19 3/4	3 5/32	25/32	1 1/4	3.68
1910-TH	1 5/8	21 1/16	3 7/32	7/8	1 1/2	4.26
1911-TH	1 13/16	23	3 3/4	1 3/4	1 5/8	6.49
1912-TH	2	23 3/4	4 7/32	31/32	1 5/8	7.02

Features

- Long offset handle is designed for clearance of obstructions while providing greater leverage.
- Tapered spud handle locates and aligns bolt and rivet holes.



JHW1911-TH

TOOLS@HEIGHT ADJUSTABLE PIN SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Pin Diameter (Inches)	Pin Length (Inches)	Overall Length (Inches)	Weight (lbs.)
O-471-TH	3/4 to 2	1/8	1/8	5 3/8	.27
O-472-TH	1 1/4 to 3	3/16	3/16	6 7/8	.48
O-474-TH	2 to 4 3/4	1/4	1/4	9 1/2	.93
O-474A-TH	4 1/2 to 6 1/4	3/8	1/4	9 7/8	1.10

Made in U.S.A.

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

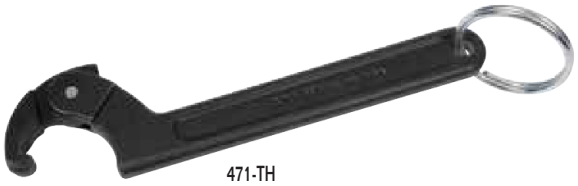


O-472-TH



O-474-TH

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.


471-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT ADJUSTABLE HOOK SPANNER WRENCHES

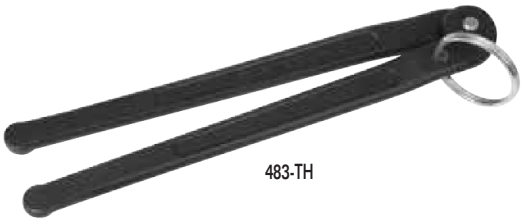
Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Hook Depth (Inches)	Hook Thickness (Inches)	Overall Length (Inches)	Weight (lbs.)
471-TH	3/4 to 2	1/8	11/32	5 3/8	.26
472-TH	1 1/4 to 3	5/32	13/32	7 1/4	.49
474-TH	2 to 4 3/4	3/16	15/32	11 1/2	.97
474A-TH	4 1/2 to 6 1/4	1/4	15/32	17 1/2	1.05

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.


483-TH


484-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT ADJUSTABLE FACE SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Pin Diameter (Inches)	Pin Length (Inches)	Overall Length (Inches)	Weight (lbs.)
482-TH	2	3/16	1/4	6 1/4	.31
483-TH	3	1/4	1/4	8 1/8	.63
484-TH	4	5/16	1/2	10 3/8	1.01

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.


900T-250-TH

BAHCO® TOOLS@HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT T-HANDLE HEX DRIVERS

SAE & Metric

Product Code	Shaft Length (Inches)	Size (Inches)	Weight (lbs.)
900T-094-TH	4 1/8	3/32	0.09
900T-109-TH	4 1/8	7/64	0.08
900T-125-TH	4 1/8	1/8	0.12
900T-141-TH	4 1/8	9/64	0.09
900T-156-TH	5 1/2	5/32	0.11
900T-188-TH	5 1/2	3/16	0.19
900T-219-TH	5 1/2	7/32	0.23
900T-250-TH	7 1/4	1/4	0.28
900T-313-TH	7 1/4	5/16	0.39
900T-375-TH	7 1/4	3/8	0.51

Features

- Comfort grip handle for durability and flexibility in all types of work applications
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location
- For use with optional WTHUNIRET1 Retractable Lanyard

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT SLUGGING WRENCH RETAINERS

Product Code	Stud Size	Length	C	D
SWR-24	3/8	1 29/32	1 15/16	1 3/4
SWR-28	7/8	2	2 3/16	1 29/32
SWR-32	1	2 1/8	2 1/2	2 1/32
SWR-36	1 1/8	2 1/4	2 1/2	2 5/32
SWR-40	1 1/4	2 3/8	2 7/8	2 9/32
SWR-44	1 3/8	2 15/32	3 1/8	2 3/8
SWR-48	1 1/2	2 5/8	3 1/8	2 1/2
SWR-52	1 5/8	2 3/4	3 5/8	2 21/32
SWR-56	1 3/4	2 7/8	3 7/8	2 3/4
SWR-60	1 7/8	3	4 1/2	2 7/8

Features

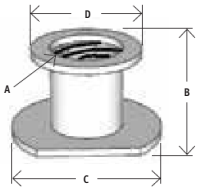
Made in U.S.A.

- SWR-SET includes one of each retainer in a plastic box.
- Retainers feature attachment point to prevent drop during use.
- Slugging Wrench Retainers thread onto the end of the stud over the slugging wrench to ensure the wrench stays affixed to the fastener
- A spring loaded plate allows for easy adjustment of the wrench without having to unscrew the retainer.
- Increased productivity and safer operation by eliminating the need for a second worker to hold and slugging wrench in place
- Available in 10 sizes, marked with stud sizes (not hex sizes)
- Configured to work with offset and straight handle slugging wrenches


SWR-SET


SWR-52


SWR-24



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT FOLDING HEX KEY SETS

SAE and Metric

Product Code	WS-45-TH		WS-46-TH		MWS-47-TH	
Number of Pieces	8		9		7	
	Hex Size (Inches)	Key Length (Inches)	Hex Size (Inches)	Key Length (Inches)	Includes Hex Size (MM)	Key Length (Inches)
	.050	1 1/4	5/64	1 1/2	1.5	1 3/8
	1/16	1 3/8	3/32	1 9/16	2	1 1/2
	5/64	1 7/16	7/64	1 11/16	2.5	1 5/8
	3/32	1 9/16	1/8	1 15/16	3	1 3/4
	7/64	1 5/8	9/64	2	4	2
	1/8	1 11/16	5/32	2 1/4	5	2 1/4
	9/64	1 13/16	3/16	2 1/2	6	2 1/2
	5/32	2	7/32	2 5/8		
			1/4	2 7/8		


WS-45-TH

Features

Made in U.S.A.

- Steel case is chrome plated to resist corrosion.
- Keys are black oxide finish.
- Convenient item for pocket or tool box.
- Modified to prevent disassembly during use.

CDI TORQUE PRODUCTS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT METAL HANDLE CLICK TYPE TORQUE WRENCHES - DUAL SCALE

Metal Handle Dual Scale. The metal handle series offers the user a rugged, industrial strength torque wrench able to withstand the rigors of professional use. Handles are lightly knurled for a tough, non-slip grip. There are 21 models of metal handle micrometer adjustable torque wrenches available.

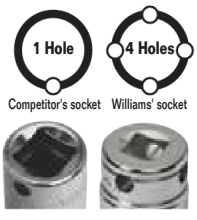
Product Code	Drive Size	English Range	Incr.	Num Range	Incr.	A in.	B in.	C in.	D in.	Wt. Lbs.
2503MFRMH-TH	1/2"	30-250 ft. lb.	1	47-332 Nm	1.4	24.40	1.70	1.40	1.40	4.73
6004MFRMH-TH	3/4"	100-600 ft. lb.	5	169-779 Nm	6.8	42.00	2.50	2.00	1.15	7.85


2503MFRMH-TH

Features

Made in U.S.A.

- Dual scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Most feature quick release buttons which provide good socket retention as well as easy socket removal
- Accuracy: ± 3% CW ± 4% CCW of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



Competitor's socket Williams' socket

Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.


WTHPRT

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.


M-52EHA-TH


MB-52EHA-TH

TOOLS@HEIGHT 1/4" DRIVE ENCLOSED HEAD RATCHETS

Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
M-52EHA-TH	Chrome Finish Enclosed Head Ratchet	5 1/4	36	0.00
MB-52EHA-TH	Black Industrial Finish Enclosed Head Ratchet	5 1/4	36	0.21

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
- Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
- Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.


M-115-TH

TOOLS@HEIGHT 1/4" DRIVE EXTENSIONS

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Weight (lbs.)
M-102-TH	Extension	2	.06
M-104-TH	Extension	4	.11
M-115-TH	Extension	6	.15
M-140A-TH	U-Joint		.11

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Flexible extension is designed for low torque applications in limited access areas.
- Ball and spring socket retention.


30210-TH 30206-TH

TOOLS@HEIGHT 1/4" DRIVE SHALLOW SOCKETS, 12 POINT, SAE

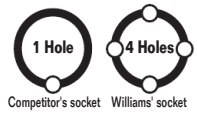
High-Polished Chrome Finish

		A	B	C	D	E	F		
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs)
30206-TH	3/16	1	15/32	5/16	9/32	19/32	3/16	1/2	0.03
30207-TH	7/32	1	15/32	11/32	5/16	19/32	7/32	1/2	0.03
30208-TH	1/4	1	15/32	3/8	5/16	19/32	7/32	1/2	0.03
30209-TH	9/32	1	15/32	7/16	5/16	19/32	1/4	1/2	0.03
30210-TH	5/16	1	15/32	15/32	5/16	19/32	1/4	-	0.03
30211-TH	11/32	1	1/2	1/2	5/16	19/32	11/32	-	0.04
30212-TH	3/8	1	9/16	9/16	11/32	19/32	3/8	-	0.04
30214-TH	7/16	1	5/8	5/8	7/16	19/32	7/16	-	0.05
30216-TH	1/2	1	11/16	11/16	7/16	19/32	1/2	-	0.06
30218-TH	9/16	1	3/4	3/4	7/16	19/32	17/32	-	0.07

Fed. Spec: ANSI B107.1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on both 6 and 12 point fasteners.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.


WTHPRT

TOOLS@HEIGHT 1/4" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Weight (lbs)
30406-TH	3/16	1 31/32	15/32	5/16	5/16	1 5/16	1/8	1 1/32	0.04
30407-TH	7/32	1 31/32	15/32	11/32	3/8	1 5/16	3/16	15/16	0.05
30408-TH	1/4	1 31/32	15/32	7/16	13/16	1 11/32	7/32	1 1/32	0.05
30409-TH	9/32	1 31/32	15/32	7/16	25/32	1 11/32	1/4	31/32	0.05
30410-TH	5/16	1 31/32	15/32	15/32	13/16	1 5/16	9/32	-	0.05
30411-TH	11/32	1 31/32	1/2	1/2	23/32	1 5/16	9/32	-	0.07
30412-TH	3/8	1 31/32	9/16	9/16	7/8	1 11/32	5/16	-	0.09
30414-TH	7/16	1 31/32	5/8	5/8	7/8	1 1/2	13/32	-	0.10
30416-TH	1/2	1 31/32	11/16	11/16	27/32	1 17/32	7/16	-	0.11
30418-TH	9/16	1 31/32	3/4	3/4	29/32	1 9/16	17/32	-	0.14

Fed. Spec: ANSI B107.1



30410-TH 30406-TH

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.

TOOLS@HEIGHT 1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs)
35000-TH	1/8	13/16	15/32	1 13/32	5/8	0.04
35001-TH	5/32	13/16	15/32	1 13/32	5/8	0.04
35002-TH	3/16	13/16	15/32	1 13/32	5/8	0.04
35003-TH	7/32	13/16	15/32	1 13/32	5/8	0.04
35004-TH	1/4	13/16	15/32	1 13/32	5/8	0.04
35005-TH	5/16	13/16	15/32	1 13/32	5/8	0.04



30902-TH

30902-TH 6 Piece Hex Bit Socket Set on Clip Rail .51 lbs

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35000-TH	1/8	35002-TH	3/16	35004-TH	1/4
35001-TH	5/32	35003-TH	7/32	35005-TH	5/16

Features

- High-polished chrome finish socket cleans easily.

TOOLS@HEIGHT 1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs)
35070-TH	3	13/16	15/32	1 13/32	5/8	0.04
35071-TH	4	13/16	15/32	1 13/32	5/8	0.04
35072-TH	5	13/16	15/32	1 13/32	5/8	0.04
35073-TH	6	13/16	15/32	1 13/32	5/8	0.04
35074-TH	7	13/16	15/32	1 13/32	5/8	0.04
35075-TH	8	13/16	15/32	1 13/32	5/8	0.04



35072-TH

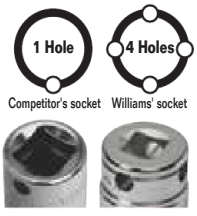
30904-TH 6 Piece Hex Bit Socket Set on Clip Rail .51 lbs

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35070-TH	3	35072-TH	5	35074-TH	7
35071-TH	4	35073-TH	6	35075-TH	8

Features

- High-polished chrome finish socket cleans easily.



Competitor's socket Williams' socket

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Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



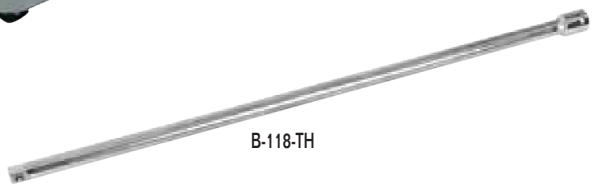
B-52EHA-TH



BB-52EHA-TH



B-52EHLA-TH



B-118-TH



B-140A-TH



B-40A-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE ENCLOSED HEAD RATCHETS

Williams® Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
BB-52EHA-TH	Black Industrial Finish Enclosed Head Ratchet	8	36	.76
B-52EHA-TH	Chrome Finish Enclosed Head Ratchet	8	36	.76
B-52EHLA-TH	Chrome Finish Enclosed Head Ratchet, Long	10 1/4	36	.87

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Weight (lbs)
B-108-TH	Extension	3	.19
B-110-TH	Extension	6	.34
B-115-TH	Extension	11	.61
B-118-TH	Extension	18	.93
B-140A-TH	Universal Joint	2	.15
B-70-TH	Ratchet Spinner Disk	1 1/4	.14

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Flexible extension is designed for low torque applications in limited access areas.
- Ball and spring socket retention.
- Spinner disk is ideal for fast turn down of fasteners.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE HANDLE

Knurled Handle, High-Polished Chrome Finish

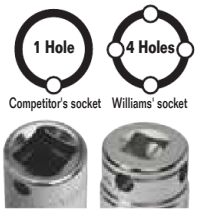
Product Code	Description	Length (Inches)	Weight (lbs)
B-40A-TH	Flex Handle	8 9/16	.67

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

TOOLS@HEIGHT 3/8" DRIVE SHALLOW SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F	
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs.)
31208-TH	1/4	1	11/16	7/16	11/32	9/16	7/32	17/32	0.04
31210-TH	5/16	1	11/16	15/32	3/8	17/32	1/4	17/32	0.05
31212-TH	3/8	1	11/16	9/16	3/8	1/2	9/32	17/32	0.05
31214-TH	7/16	1	11/16	5/8	11/32	17/32	13/32	17/32	0.05
31216-TH	1/2	1	3/4	3/4	13/32	19/32	7/16	-	0.07
31218-TH	9/16	1 1/16	25/32	25/32	17/32	5/8	17/32	-	0.08
31220-TH	5/8	1 1/16	7/8	7/8	19/32	11/16	19/32	-	0.09
31222-TH	11/16	1 1/16	15/16	15/16	1/2	11/16	21/32	-	0.11
31224-TH	3/4	1 1/8	1	1	9/16	23/32	23/32	-	0.15
31226-TH	13/16	1 1/8	1 1/8	1 1/8	9/16	23/32	25/32	-	0.17
31228-TH	7/8	1 7/32	1 3/16	1 3/16	21/32	13/16	27/32	-	0.21
31230-TH	15/16	1 7/32	1 1/4	1 1/4	21/32	13/16	27/32	-	0.23
31232-TH	1	1 7/32	1 5/16	1 5/16	11/16	13/16	31/32	-	0.26

Fed. Spec: ANSI B107.1



31216-TH 31208-TH

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.

TOOLS@HEIGHT 3/8" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F	
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs)
31408-TH	1/4	2 1/2	11/16	7/16	11/32	1 11/16	7/32	1 1/16	0.11
31410-TH	5/16	2 1/2	11/16	15/32	3/8	1 11/16	5/16	1 1/16	0.11
31412-TH	3/8	2 1/2	11/16	9/16	3/8	1 11/16	3/8	1 1/16	0.12
31414-TH	7/16	2 1/2	11/16	5/8	11/32	1 11/16	7/16	1 1/16	0.12
31416-TH	1/2	2 1/2	3/4	3/4	13/32	1 11/32	15/32	-	0.15
31418-TH	9/16	2 1/2	25/32	25/32	17/32	1 9/16	17/32	-	0.18
31420-TH	5/8	2 1/2	7/8	7/8	19/32	1 9/16	19/32	-	0.21
31422-TH	11/16	2 1/2	15/16	15/16	1/2	1 11/16	21/32	-	0.25
31424-TH	3/4	2 1/2	1	1	9/16	1 11/16	23/32	-	0.27
31426-TH	13/16	2 1/2	1 1/8	1 1/8	9/16	2 1/32	25/32	-	0.34
31428-TH	7/8	2 1/2	1 3/16	1 3/16	21/32	2 1/32	27/32	-	0.38
31430-TH	15/16	2 1/2	1 1/4	1 1/4	21/32	2 1/32	27/32	-	0.44
31432-TH	1	2 1/2	1 5/16	1 5/16	11/16	2	31/32	-	0.49

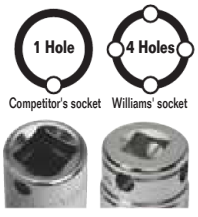
Fed. Spec: ANSI B107.1



31416-TH 31408-TH

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



Competitor's socket Williams' socket

Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



35100-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

F

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs.)
35100-TH	1/8	1 3/16	3/4	1 27/32	21/32	0.09
35101-TH	9/64	1 3/16	3/4	1 27/32	21/32	0.09
35102-TH	5/32	1 3/16	3/4	1 27/32	21/32	0.10
35103-TH	3/16	1 3/16	3/4	1 27/32	21/32	0.09
35104-TH	7/32	1 3/16	3/4	1 27/32	21/32	0.10
35105-TH	1/4	1 3/16	3/4	1 27/32	21/32	0.09
35106-TH	5/16	1 3/16	3/4	1 31/32	13/16	0.11
35107-TH	3/8	1 3/16	3/4	1 31/32	13/16	0.12

Features

- High-polished chrome finish socket cleans easily.



31154-TH 31142-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

6 F

TOOLS@HEIGHT 3/8" DRIVE UNIVERSAL SOCKETS, 6 POINT, SAE

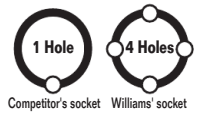
High-Polished Chrome Finish

		A	B	C	D	E	F		
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Open End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs.)
31142-TH	3/8	1 53/64	3/4	9/16	3/8	35/64	21/64	5/16	0.11
31144-TH	7/16	1 53/64	3/4	5/8	3/8	35/64	21/64	5/16	0.11
31146-TH	1/2	1 57/64	3/4	45/64	13/32	37/64	21/64	13/32	0.12
31148-TH	9/16	1 57/64	3/4	25/32	7/16	43/64	21/64	33/64	0.13
31150-TH	5/8	2	3/4	55/64	7/16	45/64	21/64	33/64	0.14
31152-TH	11/16	2 3/64	3/4	15/16	31/64	3/4	21/64	17/32	0.15
31154-TH	3/4	2 3/64	3/4	1 1/64	1/2	51/64	21/64	17/32	0.16

Fed. Spec: ANSI B107.1

Features

- Ideal for work in confined areas where fastener is inaccessible to standard sockets



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

TOOLS@HEIGHT 1/2" DRIVE SCAFFOLDING RATCHET

Product Code	Description	Product Code	Description
BS-62A	Scaffolding Ratchet with reversed pry bar	BS-63BRK	Repair Kit
BS-62	Scaffolding Ratchet with out pry bar	BS-63BTIP	Hammer Tip
BS-63B	Scaffolding Ratchet with pry bar	BS-63BBAR	Pry Bar

Features

Made in U.S.A.

- 1/2" Drive with pinned 7/8" 6-point socket, 2-1/4" length
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas
- Bronze hammer head reduces rebound
- Pry bar handle provide alignment option
- Socket feature SUPERTORQUE lobular opening for greater turning power without deforming the fastener
- Easy access reversing lever allows user to change working direction quickly and easily with only one hand
- Tethering device attached to handle



BS-62



BS-63B

TOOLS@HEIGHT 1/2" DRIVE ENCLOSED HEAD RATCHETS

Williams® Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
S-52EHA-TH	Chrome Finish Enclosed Head Ratchet	10 1/4	36	1.61
S-52EHLA-TH	Chrome Finish Enclosed Head Ratchet, Long	15	36	1.94
SB-52EHA-TH	Black Industrial Finish Enclosed Head Ratchet	10 1/4	36	1.61

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.



SB-52EHA-TH



S-52EHA-TH

TOOLS@HEIGHT 1/2" DRIVE HANDLES

Knurled Handle, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Weight (lbs)
S-40AA-TH	Chrome Flex Handle	10 13/16	1.34
S-41AA-TH	Chrome Flex Handle	15 1/2	2.07
BS-41AA-TH	Black Industrial Finish Flex Handle	15 1/2	2.06

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

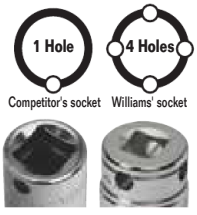
- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Speeder handle is ideal for fast turn down of fasteners.



BS-41AA-TH



S-40AA-TH



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



S-140A-TH



S-121P-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 1/2" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Weight (lbs.)
S-102P-TH	Extension	2	.38
S-110P-TH	Extension	5	.50
S-115P-TH	Extension	10	.93
S-121P-TH	Extension	20	1.76
S-140A-TH	Universal Joint	2 11/16	.29

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.



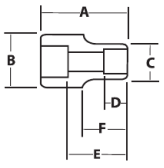
32220-TH 32212-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 1/2" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

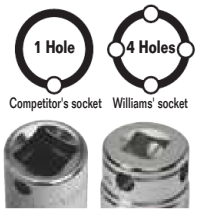
Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Weight (lbs.)
32212-TH	3/8	1 1/2	7/8	5/8	1/2	25/32	5/16	23/32	0.11
32214-TH	7/16	1 1/2	7/8	11/16	1/2	27/32	13/32	11/16	0.12
32216-TH	1/2	1 1/2	7/8	3/4	17/32	27/32	15/32	23/32	0.12
32218-TH	9/16	1 1/2	7/8	13/16	17/32	27/32	17/32	11/16	0.12
32220-TH	5/8	1 1/2	29/32	29/32	17/32	27/32	9/16	-	0.14
32222-TH	11/16	1 1/2	31/32	31/32	9/16	27/32	21/32	-	0.16
32224-TH	3/4	1 1/2	1	1	3/4	29/32	23/32	-	0.19
32226-TH	13/16	1 1/2	1 1/8	1 1/8	25/32	31/32	25/32	-	0.21
32228-TH	7/8	1 5/8	1 3/16	1 3/16	7/8	1 1/32	7/8	-	0.25
32230-TH	15/16	1 5/8	1 1/4	1 1/4	7/8	1 5/32	29/32	-	0.29
32232-TH	1	1 5/8	1 5/16	1 5/16	7/8	1 3/16	31/32	-	0.32
32234-TH	1 1/16	1 3/4	1 7/16	1 7/16	31/32	1 9/32	1 1/16	-	0.40
32236-TH	1 1/8	1 3/4	1 1/2	1 1/2	31/32	1 5/16	1 5/32	-	0.44
32238-TH	1 3/16	1 3/4	1 9/16	1 9/16	31/32	1 5/16	1 1/4	-	0.50
32240-TH	1 1/4	1 3/4	1 11/16	1 21/32	31/32	1 5/16	1 1/4	-	0.55
32242-TH	1 5/16	1 47/64	1 1/2	1 47/64	59/64	59/64	1 3/16	-	0.56
32244-TH	1 3/8	1 47/64	1 37/64	1 53/64	59/64	59/64	1 17/64	-	0.64
32246-TH	1 7/16	1 31/32	1 21/32	1 57/64	1 1/16	1 1/16	1 11/32	-	0.66
32248-TH	1 1/2	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/8	-	0.72



Fed. Spec: ANSI B107.1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 F

TOOLS@HEIGHT 1/2" DRIVE DEEP SOCKETS, 12 POINT, SAE

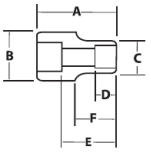
High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs.)
32412-TH	3/8	3	7/8	5/8	1	2 7/32	11/32	1 15/32	0.23
32414-TH	7/16	3 1/32	7/8	11/16	1 1/8	2 9/32	13/32	1 15/32	0.24
32416-TH	1/2	3 1/32	7/8	3/4	31/32	2 7/32	7/16	1 15/32	0.24
32418-TH	9/16	3 1/32	7/8	13/16	1 3/32	2 7/32	1/2	1 15/32	0.26
32420-TH	5/8	3 1/32	29/32	29/32	1 3/16	2 3/16	9/16	-	0.27
32422-TH	11/16	3 1/32	15/16	15/16	1 3/8	2 3/16	21/32	-	0.27
32424-TH	3/4	3 1/32	1 1/16	1 1/16	1 1/4	2 11/32	23/32	-	0.27
32426-TH	13/16	3 1/32	1 1/8	1 1/8	1 15/32	2 3/16	3/4	-	0.41
32428-TH	7/8	3 1/32	1 3/16	1 3/16	1 13/32	2 1/4	27/32	-	0.45
32430-TH	15/16	3 1/32	1 1/4	1 1/4	1 13/32	2 5/32	29/32	-	0.50
32432-TH	1	3 1/32	1 11/32	1 11/32	1 13/32	2 5/32	15/16	-	0.58
32434-TH	1 1/16	3 1/32	1 13/32	1 13/32	1 3/8	2 11/32	1 1/32	-	0.64
32436-TH	1 1/8	3 1/32	1 1/2	1 1/2	1 7/16	2 3/8	1 1/16	-	0.75
32438-TH	1 3/16	3 1/32	1 9/16	1 9/16	1 7/16	2 3/16	1 1/16	-	0.81
32440-TH	1 1/4	3 1/32	1 21/32	1 21/32	1 7/16	2 3/16	1 1/16	-	0.88
32442-TH	1 5/16	3 1/32	1 47/64	1 47/64	1 3/8	2 11/64	1 3/16	-	0.98
32444-TH	1 3/8	3 1/32	1 53/64	1 53/64	1 3/8	2 11/64	1 17/64	-	1.12
32446-TH	1 7/16	3 1/32	1 57/64	1 57/64	1 3/8	2 11/64	1 11/32	-	1.19
32448-TH	1 1/2	3 1/32	1 15/16	1 31/32	1 7/16	2 3/16	1 1/16	-	1.38

Fed. Spec: ANSI B107.1



32420-TH 32412-TH



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

8 F

TOOLS@HEIGHT 1/2" DRIVE SHALLOW SOCKETS, 8 POINT, SAE

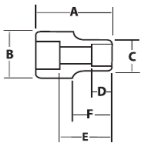
High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs.)
ST-812	3/8	1 1/2	7/8	23/32	5/16	27/32	5/16	7/8	0.14
ST-814	7/16	1 1/2	7/8	13/16	3/8	27/32	5/16	7/8	0.13
ST-816	1/2	1 1/2	29/32	29/32	13/32	27/32	11/32	-	0.16
ST-818	9/16	1 1/2	31/32	31/32	7/16	27/32	7/16	-	0.18
ST-820	5/8	1 1/2	1 1/16	1 1/16	1/2	27/32	7/16	-	0.24
ST-822	11/16	1 1/2	1 3/16	1 3/16	1/2	27/32	17/32	-	0.37
ST-824	3/4	1 1/2	1 9/32	1 9/32	9/16	13/16	23/32	-	0.37
ST-826	13/16	1 5/8	1 7/16	17/16	9/16	31/32	27/32	-	0.49
ST-828	7/8	1 3/4	1 1/2	1 1/2	5/8	1 1/16	15/16	-	0.53
ST-830	15/16	1 13/16	1 5/8	1 5/8	11/16	1 1/8	1 1/32	-	0.63
ST-832	1	1 15/16	1 11/16	1 11/16	11/16	1 1/4	1 1/32	-	0.78

Fed. Spec: ANSI B107.1



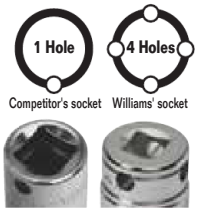
ST-812



USA Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 8 point sockets are designed for quick engagement on 4 point fasteners.



Competitor's socket Williams' socket

Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.

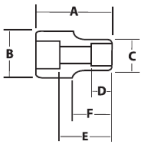


WTHPRT

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



32820-TH



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 M

TOOLS@HEIGHT 1/2" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Weight (lbs)
32809-TH	9	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32	0.22
32810-TH	10	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32	0.22
32811-TH	11	3 1/4	29/32	11/16	5/16	2 15/32	13/32	2 19/32	0.22
32812-TH	12	3 1/4	29/32	23/32	13/32	2 15/32	7/16	2 19/32	0.23
32813-TH	13	3 1/4	29/32	25/32	3/8	2 15/32	15/32	2 19/32	0.24
32814-TH	14	3 1/4	29/32	27/32	3/8	2 15/32	15/32	2 19/32	0.24
32815-TH	15	3 1/4	29/32	7/8	3/8	2 11/32	15/32	-	0.24
32816-TH	16	3 1/4	29/32	29/32	9/16	2 11/32	15/32	-	0.27
32817-TH	17	3 1/4	31/32	31/32	9/16	2 11/32	15/32	-	0.31
32818-TH	18	3 1/4	1	1	13/16	2 11/32	15/32	-	0.34
32819-TH	19	3 1/4	1 1/32	1 1/32	13/16	2 5/16	23/32	-	0.37
32820-TH	20	3 1/4	1 1/16	1 1/16	13/16	2 5/16	23/32	-	0.40
32821-TH	21	3 1/4	1 1/8	1 1/8	13/16	2 5/16	3/4	-	0.41
32822-TH	22	3 1/4	1 3/16	1 3/16	13/16	2 5/16	25/32	-	0.46
32823-TH	23	3 1/4	1 1/4	1 1/4	25/32	2 5/16	27/32	-	0.49
32824-TH	24	3 1/4	1 9/32	1 9/32	13/16	2 5/16	7/8	-	0.52
32825-TH	25	3 1/4	1 5/16	1 5/16	13/16	2 1/4	15/16	-	0.55
32826-TH	26	3 1/4	1 3/8	1 3/8	29/32	2 1/4	31/32	-	0.57
32827-TH	27	3 1/4	1 7/16	1 7/16	31/32	2 1/4	1	-	0.66
32828-TH	28	3 1/4	1 1/2	1 1/2	1	2 1/4	1 1/32	-	0.73
32829-TH	29	3 1/4	1 9/16	1 9/16	1 1/32	2 1/4	1 1/16	-	0.78
32830-TH	30	3 1/4	1 5/8	1 5/8	1 1/32	2 1/4	1 3/32	-	0.83
32832-TH	32	3 1/4	1 11/16	1 11/16	1 1/8	2 1/4	1 3/16	-	0.93
32834-TH	34	3 1/4	1 3/4	1 3/4	7/8	2 1/4	1	-	0.93
32836-TH	36	3 1/4	1 15/16	1 15/16	7/8	2 1/4	1 13/32	-	1.16

Fed. Spec: ANSI B107.5

32949-TH - 24 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail 12.02 lbs.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



35212-TH



35274-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

F

TOOLS@HEIGHT 1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs)
35208-TH	1/4	1 7/16	29/32	2 13/32	27/32	0.17
35210-TH	5/16	1 7/16	29/32	2 13/32	27/32	0.17
35212-TH	3/8	1 7/16	29/32	2 13/32	27/32	0.19
35214-TH	7/16	1 7/16	29/32	2 13/32	27/32	0.22
35202-TH	1/2	1 19/32	7/8	2 13/32	27/32	0.26
35203-TH	9/16	1 19/32	1	2 13/32	27/32	0.33
35204-TH	5/8	1 19/32	1 1/16	2 13/32	27/32	0.39
35206-TH	3/4	1 19/32	1 3/16	2 13/32	27/32	0.51

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

M

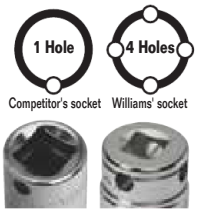
TOOLS@HEIGHT 1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs)
35274-TH	8	1 19/32	29/32	2 13/32	27/32	0.17
35275-TH	10	1 19/32	29/32	2 7/16	27/32	0.19
35276-TH	12	1 19/32	29/32	2 7/16	27/32	0.22
35277-TH	14	1 19/32	1	2 7/16	27/32	0.32
35278-TH	17	1 19/32	1 3/32	2 7/16	27/32	0.43
35279-TH	19	1 19/32	1 3/16	2 7/16	27/32	0.51

Features

- High-polished chrome finish socket cleans easily.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

TOOLS@HEIGHT 3/4" DRIVE INTEGRATED HANDLE RATCHETS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
H-51B-TH	Chrome Finish Ratchet	20 1/8	24	6.04
HB-51B-TH	Black Industrial Finish Ratchet	20 1/8	24	6.04

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.



TOOLS@HEIGHT 3/4" DRIVE EXTENSIONS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Weight (lbs)
H-104B-TH	Black Industrial Finish Drive Extension	3	0.73
H-110B-TH	Black Industrial Finish Drive Extension	8	1.70
H-110-TH	Chrome Finish Drive Extension	8	1.72
H-115-TH	Chrome Finish Drive Extension	16	3.25

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.



TOOLS@HEIGHT 3/4" DRIVE HANDLE

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Finish
H-41AA-TH	Flex Handle Breaker Bar, Knurled Grip	22 1/8	Chrome

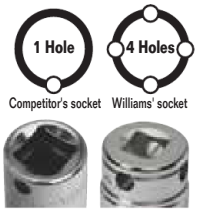
Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Square drive slides on T-Handles for versatility.
- Flex handle flex drive swivels 110° in either direction.





Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

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WTHPRT

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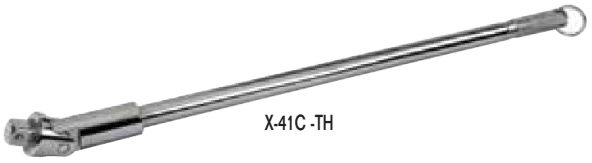
33244-TH 33228-TH

TOOLS@HEIGHT 3/4" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	F Nose Length (Inches)	Weight (lbs)
33228-TH	7/8	1 15/16	1 7/16	1 1/4	35/64	0.46
33230-TH	15/16	2	1 7/16	1 3/8	5/8	0.49
33232-TH	1	2 1/16	1 7/16	1 7/16	5/8	0.49
33234-TH	1 1/16	2 1/16	1 7/16	1 1/2	7/8	0.49
33236-TH	1 1/8	2 1/16	1 1/2	1 9/16	7/8	0.54
33238-TH	1 3/16	2 1/8	1 1/2	1 11/16	15/16	0.60
33240-TH	1 1/4	2 3/16	1 1/2	1 3/4	15/16	0.64
33242-TH	1 5/16	2 3/16	1 1/2	1 13/16	1	0.69
33244-TH	1 3/8	2 1/4	1 5/8	1 7/8	1	0.83
33246-TH	1 7/16	2 1/4	1 5/8	1 31/32	1 7/64	0.90
33248-TH	1 1/2	2 3/8	1 3/4	2 1/16	1 7/64	1.01
33252-TH	1 5/8	2 1/2	1 3/4	2 3/16	1 3/16	1.17
33256-TH	1 3/4	2 9/16	1 13/16	2 5/16	1 1/4	1.37
33258-TH	1 13/16	2 11/16	1 13/16	2 3/8	1 1/4	1.37
33260-TH	1 7/8	2 3/4	1 7/8	2 1/2	1 11/32	1.57
33264-TH	2	2 13/16	1 7/8	2 11/16	1 13/32	1.64

Fed. Spec: ANSI B107.1



X-41C -TH

TOOLS@HEIGHT 1" DRIVE HANDLE

Chrome and Black Industrial Finish

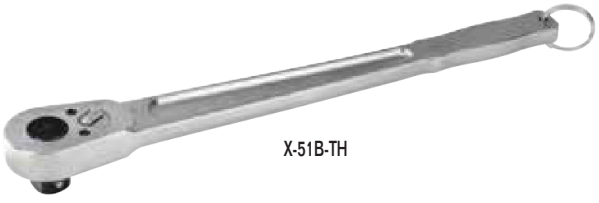
Product Code	Description	Length (Inches)	Finish	Weight (lbs)
X-41C-TH	Flex Handle Breaker Bar, Knurled Grip	34 3/16	Chrome	10.93

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Square drive slides on T-Handles for versatility.
- Flex handle flex drive swivels 110° in either direction.
- Spring and plunger socket retention.

Made in U.S.A.



X-51B-TH

TOOLS@HEIGHT 1" DRIVE RATCHET

Integrated Handle, Chrome Finish

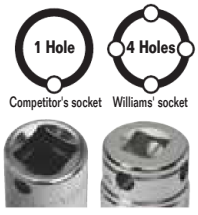
Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
X-51B-TH	Chrome Ratchet	20 1/8	24	6.25

Fed. Spec: ANSI B107.10M

Features

- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 24 tooth gear with 15 degree of engagement allows engagement in tight working areas.
- Chrome finish with mirror-like exterior can be easily cleaned after each use.

Made in U.S.A.



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Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

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WTHPRT

TOOLS@HEIGHT 1000V ERGO® SCREWDRIVERS

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)	Weight (lbs)
SLOTTED				
BE-8220S-TH	9	4	1/8	.089
BE-8040S-TH	8 3/4	4	5/32	.136
BE-8050S-TH	8 3/4	4	7/32	.089
PHILLIPS				
BE-8610S-TH	8	3 5/32	1	.141
BE-8620S-TH	8 3/4	4	2	.241

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- For use with optional WTHUNIRET1 retractable lanyard



TOOLS@HEIGHT 5 PIECE PREMIUM MIXED SCREWDRIVER SET

Premium Comfort Grip Handles and Blades

Product Code	Description
100P-5MD-TH	5 Piece Premium Screwdriver Set Phillips/Slotted

Contents Include:

Product Code	Overall length (Inches)	Blade Length (Inches)	Tip Width/Point Size
SDR-22-TH	6 1/8	3	3/16
SDR-24-TH	7 7/8	4	1/4
SDR-26-TH	10 11/16	6	5/16
SDP-1-3-TH	6 1/4	3	#1 Phillips
SDP-2-4-TH	7 15/16	4	#2 Phillips



TOOLS@HEIGHT SLOTTED SCREWDRIVERS

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)	Weight (lbs)
SDS-62-TH	3 7/8	1 1/2	3/16	0.09
SDR-22-TH	6 1/8	3	3/16	0.17
SDR-24-TH	7 7/8	4	1/4	0.26
SDR-26-TH	10 11/16	6	5/16	0.38
SDR-28-TH	12 11/16	8	3/8	0.59
SDR-30-TH	14 3/4	10	7/16	0.66

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.



Rotating screwdriver tabs – tab is located for secure retention and allow full use of the screwdriver handle

- Stainless steel tab is corrosion resistant
- Tab rotates freely 360° so the lanyard does not wrap around the users hand
- Nylon bushing has a shoulder so the tab will not bind between the handle and shank bolster



⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



SDP-2-4-TH



SDP-2-ST-TH

TOOLS@HEIGHT PHILLIPS® SCREWDRIVERS W/ROUND BLADES

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size	Weight (lbs)
SDP-2-ST-TH	3 7/8	1 1/2	2	0.10
SDP-1-3-TH	6 1/4	3	1	0.15
SDP-2-4-TH	7 15/16	4	2	0.25
SDP-2-8-TH*	12	8	2	0.30
SDP-3-6-TH	10 1/2	6	3	0.39
SDP-4-6-TH	10 3/4	6	4	0.53

* Does not have Bolster

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.



24401-TH

TOOLS@HEIGHT NUTDRIVERS, SAE

Cushion Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (Inches)	Weight (lbs)
24401-TH	7	3	3/16	0.21
24403-TH	7	3	1/4	0.22
24405-TH	7	3	5/16	0.23
24407-TH	7	3	11/32	0.24
24409-TH	7	3	3/8	0.25
24411-TH	7	3	7/16	0.26
24413-TH	7	3	1/2	0.28

Features

- Hollow shaft accommodates long bolts or studs.
- Precision machined socket end.
- Cushion grip handle for comfort.
- Size imprinted on color coded ends for easy identification.

BAHCO TOOLS @ HEIGHT DROP PREVENTION SYSTEM ergo

TOOLS@HEIGHT ERGO® ADJUSTABLE JOINT PLIERS

True Ergonomic Handles with Bi-Molded Grips

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Tip Width (Inches)	Weight (lbs)
8223-TH	8	1 1/2	9/32	0.62
8224-TH	10	1 3/4	5/16	0.75
8225-TH	12	2 5/32	3/8	1.25
8226-TH	16	3	7/16	2.07

Features

- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Hardened jaws and teeth for exceptionally tough gripping surface.
- One-button setting provides fast and secure jaw width changes with a single touch of the thumb.
- Wide, deep opening jaws have flat and pipe grip jaw so one pair of pliers can be used for more jobs.



8224-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PHILLIPS® UTILITY SUPERJOINT PLIERS

Double-Dipped Plastic Handles

Features	Overall Length (Inches)	Maximum Opening (Inches)	Tip Width (Inches)	Weight (lbs)
PL-1519C-TH	5	1/2	3/16	0.22
PL-1520C-TH	10	1 1/2	5/16	0.92
PL-1523C-TH	12	2 5/8	1/2	1.50
PL-1524C-TH	16	4	1/2	2.78

Features

- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- Polished heads resist rust and corrosion, extending the tool life.

USA Made in U.S.A.



PL-1520C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT COMBINATION SLIP-JOINT PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Width (Inches)	Weight (lbs)
PL-8C-TH	8	1 13/32	3/8	0.73
PL-10C-TH	10	1 13/32	1/2	1.04

Features

- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- Polished heads resist rust and corrosion, extending the tool life.
- Shear type wire cutter extends tool use.

USA Made in U.S.A.



PL-10C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT INDUSTRIAL GRADE LINESMAN'S PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
PL-204C-TH	Electrician's	7	1/2	.62

Features

- Designed for wiring, electrical equipment installation and maintenance for utility linemen.
- Polished faces look good and resist corrosion.
- Induction hardened cutting edges stay sharp longer.
- Diamond serrated jaws provide solid grip on wire.
- Double-dipped plastic handle grips are comfortable yet durable.

USA Made in U.S.A.



PL-204C-TH

WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



PL-57C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT HIGH LEVERAGE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Cutting Blade Length (Inches)	Weight (lbs)
PL-57C-TH	High Leverage Head	7 1/4	15/16	0.50

Features

Made in U.S.A.

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.



PL-46C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT INDUSTRIAL GRADE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)	Weight (lbs)
PL-46C-TH	6	3/4	.37
PL-47C-TH	7	11/16	.50

Features

Made in U.S.A.

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.
- Regular flush cutters are used for cutting hard wire.



PL-76C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
PL-76C-TH	Long Nose w/cutter	6 1/2	1 5/16	.38

Features

Made in U.S.A.

- Polished heads resist rust and corrosion, extending the tool life.
- Diamond serrated jaws with industrial hardened cutting edges.



PL-149C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT DUCK BILL PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (Inches)
PL-149C-TH	High Leverage	8	1 1/4	.44

Features

Made in U.S.A.

- Jaws are polished with rust-protective coating.
- Flat wide nose provides a better grip than the regular needle nose models.

TOOLS@HEIGHT THIN BENT CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
PL-126C-TH	73° Bent Thin Nose	6 1/4	1 1/4	0.33

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Serrated jaws for extra gripping power.
- 73° bent nose model featured thin jaws angled to reach around obstacles and hard-to-reach spaces.

Made in U.S.A.



PL-126C-TH

TOOLS@HEIGHT HEAVY DUTY FRONT END WIRE STRIPPERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Capacity (AWG-solid wire)	Capacity (stranded wire)	Weight (lbs)
23506-TH	6 1/4	10-20	12-20	.24

Features

- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Spring-loaded handles speed work and reduce hand effort.
- Serrated gripping jaws in nose for use as pliers.
- 2-piece hardened steel pivot for long life service.
- Lock protects cutting edges in storage.

Made in U.S.A.



23506-TH

TOOLS@HEIGHT MULTI-PURPOSE COMBINATION WIRE TOOLS

Double-Dipped Plastic Handles with Curved Wire Cutter

Product Code	Description	Overall Length (Inches)	Nose Style	Weight (lbs)
23503-TH	Front-end Stripper	8 1/4	Serrated Pliers	0.45

Features

- Crimp and strip wire sizes 10-22 AWG.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- 23503 cuts 6 bolt sizes: 4-40 / 5-40 / 6-32 / 8-32 / 10-32 / 10-24.
- 23524 cuts 5 bolt sizes: 4-40 / 6-32 / 8-32 / 10-32 / 10-24.

Made in U.S.A.



23503

TOOLS@HEIGHT WIRE TWISTER / CUTTER

Produces Right Hand (clockwise) Twists

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Cutting Blade Length (Inches)	Weight (lbs)
WTC-11-TH	8.5	1 1/16	1/4	.53

Features

- Diamond-shaped, flat top jaw serrations hold wire firmly and resist nicking material being worked on.
- Diagonal nose configurations & “mini” frame allows access in tight quarters.
- Automatic return feature retracts automatically, speeding up operation use and reducing operator fatigue.
- Heat-treated cutting edge holds it edge for cutting tough (up to .041) stainless steel and safety wire.
- One hand operation allows for operator closing and locking with minimum of handle force.
- High carbon alloy steel forging are used for maximum durability and long life.

Made in U.S.A.



WTC-11-TH

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.


2520-TH

BAHCO TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT CABLE CUTTER FOR FERROUS MATERIALS

With Rubber Grips

Product Code	Overall Length (Inches)	Cable Cutting Capacity (Inches)	Replacement Blade Kit	Weight (lbs)
2520-TH	22 ½	1 3/16 Aluminum/Copper with ¼ Messenger Wire	2520-SH	4.45

Features

- Lightweight handles provide ease of control while offering solid durability.
- Rubber grips offer control and comfort during working application.
- Cutting notch below top cutting blades provided for cuts on ferrous material.
- Replacement blade kit includes blades, screws, and nuts.


23303-TH

WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

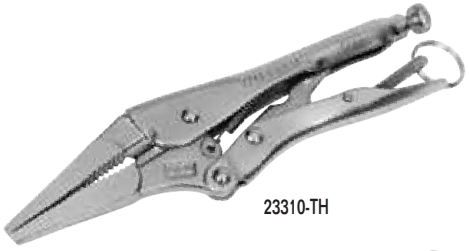
TOOLS@HEIGHT CABLE CUTTER FOR FERROUS MATERIALS

Locking Pliers

Product Code	Overall Length (Inches)	Weight (lbs)
23302-TH	7	0.71
23303-TH	10	1.15

Features

- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power


23310-TH


23321-TH

WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT LOCKING PLIERS

Long Nose with Wire Cutter Locking Pliers

Product Code	Overall Length (Inches)	Weight (lbs)
23310-TH	9	0.80

Locking C-Clamps

Product Code	Overall Length (Inches)	Throat Depth	Capacity (Lbs.)	Weight (lbs)
23321-TH	11	2¼"	900	1.65

Features

- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power


CC-404C-TH

WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT DROP FORGED C-CLAMPS

Deep Throat Design, Copper Plated Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Min Test Load (lbs)	Weight (lbs)
CC-402C-TH	2	2 11/32	½	3500	1.50
CC-404C-TH	4	3 3/16	¾	6500	3.15
CC-408C-TH	8	5 3/16	¾	6900	7.5

Features

- Copper plated screw resists weld splatter.
- Drop-forged and heat treated for maximum strength and greater rigidity.
- I-Beam design for extra strength.
- Highly resistant to "springing".

USA Made in U.S.A.

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PIPE WRENCHES

Aluminum, Heavy Duty

Product Code	Overall Capacity (Inches)	Maximum jaw Opening	Weight (lbs)
R31090-TH	10	1 1/2	1
R47057-TH	12	2	2.5
R31095-TH	14	2	2.5
R31100-TH	18	2 1/2	3.75
R31105-TH*	24	3	6.5
R31110-TH*	36	5	11.2
R31115-TH*	48	6	19.5

Features

- Professional strength in lightweight aluminum.
- Offers the durability and ease-of-use.

*Tools@Height Tools Over 5 lbs. with Engineered Attachment Point. Three-foot-long web strap/carabiner system designed for use with "master ring" systems.

Made in U.S.A.



R31090-TH

We pin the tang of the removable pipe wrench jaw so it cannot become separated from the handle

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PIPE WRENCHES

Cast Iron, Heavy Duty

Product Code	Overall Capacity (Inches)	Maximum jaw Opening	Weight (lbs)
R31000-TH	6	3/4	0.5
R31005-TH	8	1	0.75
R31010-TH	10	1 1/2	1.75
R31015-TH	12	2	2.75
R31020-TH	14	2	3.5
R31025-TH*	18	2 9/16	5.8
R31030-TH*	24	3	9.5
R31035-TH*	36	5	19.5
R31040-TH*	48	6	32
R31045-TH*	60	8	47

Features

- Sturdy, cast-iron housing and I-beam handle with full floating forged hook jaw, featuring self-cleaning threads with replaceable hook and heel jaws.
- Heavy-duty pipe wrenches comply with federal specifications GGG-W65IE, Type II, Class A.

*Tools@Height Tools Over 5 lbs. with Engineered Attachment Point. Three-foot-long web strap/carabiner system designed for use with "master ring" systems.

Made in U.S.A.





R31010-TH



R31030-TH

Tools@Height Tools Over 5 lbs. with Engineered Attachment Point. Three-foot-long web strap/carabiner system designed for use with "master ring" systems.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PIPE CHAIN WRENCH

Heat Treated

Product Code	Pipe Diameter Minimum - Maximum (Pipe Size)	Handle Length (Inches)	Chain Length (Inches)	Weight (lbs)
CW-4-TH	3/8 - 4	11	15	1.80

Features

- Forged handle is fully heat-treated.
- Ideal for use in close quarters and where space is at a premium.
- Successive "bites" can be taken without removal of wrench from the work piece.
- Fully adjustable to fit any shape pipe.

Made in U.S.A.



CW-4-TH

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



THFSNE3-22SM

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT CLAW HAMMER

Solid steel hammer with Cushion Grip

Product Code	Head Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)	Weight (lbs.)
THFSNE3-22SM	22	7 1/4	15 3/4	2.13
MOIE3-16C-TH	16	11	13	1.5

Features

- Cushion grip handle provides greater comfort and safety.
- Durable design for a long lasting hammer.

Made in U.S.A.



HPD-1-TH

WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT POWER DRIVE HAMMERS

Fiberglass Handles with Cushion Grip and Shot-Filled Heads

Product Code	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	Weight (lbs.)
HPD-1-TH	9 5/8	12 1/2	1 1/2	1.43
HPD-2-TH	10 3/4	13 7/8	2	1.83
HPD-3-TH	10 3/4	14 1/8	2 1/4	2.61
HPD-4-TH	10 3/8	15 1/4	2 5/8	3.20

Features

- Shot-loaded head delivers more striking force per blow and reduces vibration as well as rebound.
- Cushion grip handle provides greater comfort and safety.
- Durable design for a long lasting hammer.

Made in U.S.A.



20543-TH

WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT BALL PEIN HAMMERS

Fiberglass Handles with Cushion Grip

Product Code	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	Weight (lbs.)
20542-TH	9 1/2	10 3/4	7/8	1.84
20543-TH	10 1/4	11 3/4	7/8	1.23
20544-TH	11 1/4	13	1 7/8	1.67
20545-TH	13	15	1 1/4	2.31
20546-TH	12 3/4	15	1 1/4	2.69

Features

- Ideal for driving punches, chisels and other metal work.
- Fiberglass handle has a cushion grip for greater comfort and safety.
- Hammer heads are drop-forged from specially selected steel and carefully heat treated for dependable strength, hardness and uniformity.



HSB-1.5A-TH

WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT BRONZE HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	Weight Class (lbs)
HSB-1.5A-TH	10 3/8	12	1	1.91

Features

- Ideal for applications which require non-sparking conditions.
- The flat surface brass head absorbs impact blows, reduces rebound and helps eliminate marred work surfaces.
- Non-slip cushion grip provides greater comfort and safety.

Made in U.S.A.

TOOLS@HEIGHT DRILLING HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Handle Length (Inches)	Overall Length (Inches)	Weight (lbs.)
20678-TH	8 ½	10 ¼	2.55

Features

- Handles are durable and comfortable.
- Heavy duty construction for strength and durability.



20678-TH

TOOLS@HEIGHT CROSS PEIN HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)	Weight (lbs.)
20651-TH	48	13	15 ¾	4.96

Features

- Handles are durable and comfortable.
- Heavy duty construction for strength and durability.



20651-TH

TOOLS@HEIGHT SLEDGE HAMMERS

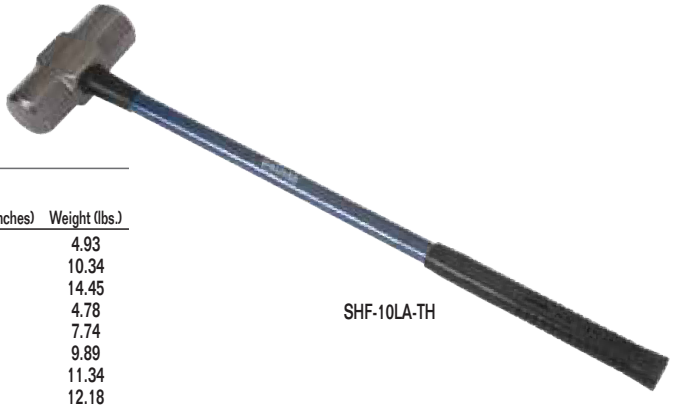
Fiberglass Handles

Product Code	Weight Class (lbs.)	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	Weight (lbs.)
SHF-4SA-TH **	4	14	14	1 ¼	4.93
SHF-8SA-TH **	8	32	32	2	10.34
SHF-12SA-TH **	12	32	32	2 ¼	14.45
SHF-4A-TH	4	14	14	1 ⅝	4.78
SHF-6A-TH	6	32	32	1 ¾	7.74
SHF-8A-TH	8	32	32	2	9.89
SHF-10A-TH	10	16	16	2 ⅛	11.34
SHF-10LA-TH	10	32	32	2 ⅛	12.18
SHF-12A-TH	12	32	32	2 ¼	14.70
SHF-16A-TH	16	24	24	2 ⅝	18.43

Features

- ** Soft steel safety head is similar in hardness to brass.
- ** Ideal replacement for Brass Head where non-sparking is not required.
- Double faced head is hardened and tempered forged for maximum strength and durability.

Made in U.S.A.



SHF-10LA-TH

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



C-807-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PRY BARS - SCREWDRIVER TYPE

Comfort Grip Handles

Product Code	Size	Overall Length (inches)	Weight (lbs)
C-807-TH	3/8	12	0.67
C-812-TH	3/8	17	0.86
C-818-TH	1/2	25	1.9491

Features

Made in U.S.A.

- Blade is heat-treated the entire length.
- Handle is ergonomically designed to provide a more comfortable and secure grip.
- Curved blade style gives extra leverage.
- Capped end allows for striking without damage to handle.



PC-17-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 17 PIECE PUNCH & CHISEL SET

Packed in a Roll Pouch

Product Code	Description	Weight (lbs)
PC-17-TH	17 Piece Punch & Chisel Set	4.93

Contents Include:

Product Code	Description	Point Diameter (Inches)	Product Code	Description	Blade Width (Inches)
P-4-TH	Pin Punch	1/8	C-10-TH	Cold Chisel	5/16
P-6-TH	Pin Punch	3/16	C-12-TH	Cold Chisel	3/8
P-8-TH	Pin Punch	1/4	C-16-TH	Cold Chisel	1/2
P-14-TH	Solid Punch	1/8	C-20-TH	Cold Chisel	5/8
P-15-TH	Solid Punch	5/32	C-24-TH	Cold Chisel	3/4
P-16-TH	Solid Punch	3/16	C-42-TH	Cape Chisel	1/4
P-25-TH	Long Taper Punch	5/32	C-62-TH	Diamond Point Chisel	3/8
P-28-TH	Long Taper Punch	1/4			
P-32-TH	Prick Punch	-			
P-40-TH	Center Punch	-			

Features

Made in U.S.A.

- Heavy duty construction for strength and durability.

TOOLS@HEIGHT COLD CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)	Weight (lbs)
C-10-TH	1/4	5/16	5	0.07
C-12-TH	5/16	3/8	5 1/2	0.13
C-15-TH	3/8	7/16	6	0.20
C-16-TH	7/16	1/2	6	0.26
C-20-TH	1/2	5/8	6 1/2	0.33
C-24-TH	5/8	3/4	7	0.59
C-32-TH	7/8	1	8	1.28

Features

- The most commonly used chisels in the chisel line.
- For cutting, shaping and removing metal softer than the cutting edge of the chisel.

Made in U.S.A.



C-10-TH

TOOLS@HEIGHT CAPE CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)	Weight (lbs)
C-42-TH	3/8	1/4	5	0.15

Features

- Designed for cutting or grooving keyholes or slots.

Made in U.S.A.



C-42-TH

TOOLS@HEIGHT DIAMOND POINT CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Square Cut	Length (Inches)	Weight (lbs)
C-62-TH	5/8	3/8	7	.56

Features

- Designed for making a V-groove in metal and to clean out inside corners.

Made in U.S.A.



C-62-TH

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



P-4-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PIN PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)	Weight (lbs)
P-4-TH	5/16	1/8	4 3/4	0.09
P-5-TH	5/16	5/32	5	0.10
P-6-TH	5/16	3/16	5 1/4	0.15
P-8-TH	3/8	1/4	5 3/4	0.17
P-10-TH	7/16	5/16	6	0.24

Features

Made in U.S.A.

- For driving out and removing already loosened pins and keys after initial movement by a solid or starter punch.



P-16-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT SOLID PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)	Weight (lbs)
P-14-TH	3/8	1/8	5	0.15
P-15-TH	3/8	5/32	5	0.15
P-16-TH	3/8	3/16	5	0.16
P-17-TH	1/2	1/4	5	0.16
P-18-TH	3/8	7/32	5	0.15

Features

Made in U.S.A.

- For loosening frozen or tight pins and keys or knocking out rivets.
- Also called starter punches because they are ideal for loosening frozen pins.



P-32-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PRICK PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Length (Inches)	Weight (lbs)
P-32-TH	1/2	6	.28

Features

Made in U.S.A.

- For scribing lines into metal before cutting or riveting, and for punching starting holes for short metal screws.
- Point is more tapered than center punch.



P-40-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT CENTER PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Weight (lbs)
P-38-TH	1/4	4	.05
P-39-TH	5/16	4 1/2	.08
P-40-TH	3/8	5	.09
P-42-TH	1/2	6	.07

Features

Made in U.S.A.

- Pierces or marks work by indentation for starting pilot drills in metal or other materials.

TOOLS@HEIGHT LONG TAPER PUNCHES

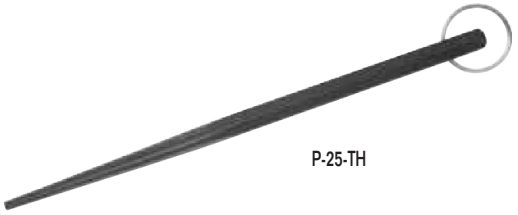
Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)	Weight (lbs)
P-25-TH	3/8	5/32	9	0.25
P-28-TH	5/8	1/4	12	0.82
P-28A-TH	3/4	1/4	15	1.50

Features

Made in U.S.A.

- Designed for aligning the holes in metal pieces through which rivets, bolts, or screws will be inserted.
- Not intended for driving pins as punch may become stuck in work.
- Also called line-up aligning or drift punches.



P-25-TH

TOOLS@HEIGHT PUNCH AND CHISEL HOLDER

Comfort Grip Handle

Product Code	Description	Weight (lbs)
28449-TH	7/8	0.50

Features

Made in U.S.A.

- Holds chisel and punch securely
- Protect user from hand injury



28449-TH

TOOLS@HEIGHT PINCH BARS

Heavy Duty Industrial Grade

Product Code	Overall Length (Inches)	Stock Size	Width of Flat (Inches)	Weight (lbs)
C-83-TH	19 5/8	3/4	7/8	2.32
C-84-TH	30	7/8	1	5.0

Features

Made in U.S.A.

- Used for aligning, prying and positioning.



C-83-TH

TOOLS@HEIGHT SUPERIOR HANDSAWS WITH XT TOOTHING

ERGO® handle - Unique XT toothing - Low Friction Coating

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)	Type of cut	Weight (lbs)
2700-24-XT7-HP-TH	24	7	Aggressive	1.24

Features

- Hard point saw with substantially thicker blade which results in less power-consuming side vibrations.
- Bevel ground teeth on thick blade for height precision and straight cutting with exceptionally good stability.
- Screwed, one piece two-component ergo® handle.
- Handle placement provides even distribution of power along the tooth line.
- Comes with reusable plastic patented tooth protector.





2700-24-XT7-HP-TH

WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



319-TH

TOOLS@HEIGHT PROFESSIONAL HAND HACKSAW

Non-Slip Handles Ensures a Solid and Secure Grip.

Product Code	Description	Blade Length (Inches)	Weight (lbs)
319-TH	Professional Hand Hacksaw	12	1.26

Features

- Alternative 55° blade mounting for flush cutting.
- Offers a strong steel frame that is covered with a protective dual component plastic.
- Comfortable, non-slip back handle and front grip ensures a solid, secure grip.
- Tension mechanism is fully integrated into the handles so there is no obstruction during use.
- Supplied with reliable and shatterproof 12 inch bi-metal blade, 24 TPI.



225-PLUS-3906-TH

TOOLS@HEIGHT TRADITIONAL HAND HACKSAW

Heavy Duty Frame with Blade Storage

Product Code	Description	Blade Length (Inches)	Weight (lbs)
225-PLUS-3906-TH	Traditional Hand Hacksaw	12	1.48

Features

- Allows very high blade tension for accurate and fast cuts.
- Strong rectangular back section for blade storage with easy-to-handle retaining screws.
- Can also be used as a compass saw.
- Alternative 55° blade mounting for flush cutting.
- Supplied with reliable and shatterproof 12 inch bi-metal blade, 24 TPI.



40000-TH

TOOLS@HEIGHT GASKET SCRAPER

Bi-Mold Comfort Grip Handle

Product Code	Blade Length (Inch)	Overall Length	Blade Width	Weight (lbs)
40000-TH	6	9 3/4	7/8	.32

Made in U.S.A.

Features

- Bi-mold handle provides comfortable grip, reducing hand fatigue.
- Ideal for gasket removal and cleaning rust and corrosion.

TOOLS@HEIGHT 6 PIECE ENGINEERING FILE SET 1-476-04-3-2-TH

Plastic Handled Files
Contents Include:

Description	Length (Inch)	Type of Cut	Weight (lbs)
Hand Smooth	4	Smooth	.15
Warding Smooth	4	Smooth	.15
Square Smooth	4	Smooth	.15
Three Square Smooth	4	Smooth	.15
Half Round Smooth	4	Smooth	.15
Round Smooth	4	Smooth	.15

Features

- Files are smooth, double cut and designed for the fine filing and polishing applications.
- Supplied with pouch
- For use with optional WTHUNIRET1 Retractable Lanyard



1-476-04-3-2

TOOLS@HEIGHT MILL FILE (USA TYPE)-TWO FLAT EDGES

Engineering File With Bi-Molded ERGO® Handle

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut	Weight (lbs)
1-143-08-1-2-TH	8	25/32	1/8	44	Bastard	.31

Features

- Surfaces and edges are single cut.
- Suitable for engineering and sharpening file applications.
- Can be used for polishing and deburring work in lathes.
- Widely used for sharpening tools and implements such as spades, shovels, hoes, scrapers, etc.



1-143-08-1-2-TH

TOOLS@HEIGHT ROUND FILE

Engineering File With Bi-Molded ERGO® Handle

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut	Weight (lbs)
1-230-08-2-2-TH	8	5/16	-	36	Second	.25

Features

- Regularly used for filing holes, large fillets and concave surfaces. File is tapered to a point and has a double cut.



1-230-08-2-2-TH

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.


2535L-TH

BAHCO TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT MAGNETIC PICK-UP TOOL WITH LIGHT

Product Code	Description	Extended Length (Inches)	Weight (lbs)
2535L-TH	Magnetic Pick-up Tool with Light	30	.23

Features

- Wide area lighting
- Soft grip handle
- Powerful magnetic tip
- Pick-up weight is 1 1/4 pounds


GS-1-TH

WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

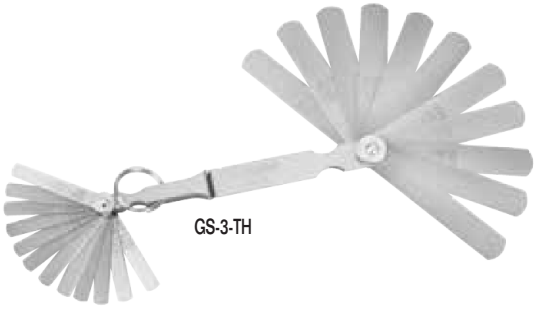
TOOLS@HEIGHT FEELER GAUGE SET

Heavy Duty Machine Shop Tools

Product Code	Description	Thickness	Number of Blades	Weight (lbs)
GS-1-TH	Master Feeler Gauge Set	.0015 - 1/32	25	.19

Features

- 25 blades 3-5/16" x 1/2" in the following thicknesses: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, and .035.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.


GS-3-TH

Product Code	Description	Thickness	Number of Blades	Weight (lbs)
GS-3-TH	Combination Feeler Gauge Set	.002 - .025	22	.11

Features

Made in U.S.A.

- Contains total of 22 blades.
- 10 blades 3" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015.
- 12 blades 1-3/4" x 1/4" in the following thicknesses: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .025.
- Overall length 5"
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.


28201-TH

28203-TH

28205-TH

WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT AVIATION SNIPS

Bi-Mold Comfort Grip Handles

Product Code	Cutting Direction	Overall Length (Inches)	Cut Length (Inches)	Cutting Capacity (cold-rolled/stainless)	Weight (lbs)
28201-TH	Left	9 3/4	1 3/8	18 ga.CR / 22 ga.SS	.93
28203-TH	Right	9 3/4	1 3/8	18 ga.CR / 22 ga.SS	.93
28205-TH	Straight	9 13/16	1 1/2	18 ga.CR / 22 ga.SS	.96

Features

- Color-coded handles help quickly identify the cutting direction.
- Bi-mold handles provide comfortable grip, reduces hand fatigue.
- Meet ANSI and DIN standards.

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT TETHERED FLASHLIGHT

Product Code	Description
FL1-TH	Tethered LED Flashlight

Features
- White collimated beam is as bright as an incandescent flashlight
- Provides 10,000 hours of lamp life and extended battery burn time
- Class I, II, III Div. 1
- Groups ABCDFG operating temperature


FL1-TH

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT TORPEDO LEVEL

Product Code	Description
THFSN25100	10" Magnetic Torped Level

Features
- Big, bright easy to read vials
- Heavy-duty, die-cast frame
- Certified Level accuracy; in top read position: (1/32" over 72")
- Level accuracy guaranteed for life; vials will never fog, leak or require adjustment
- Ideal for scaffolding as well as general construction and maintenance



THFSN25100

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT TAPE MEASURE

Product Code	Description
THTPMA25EM	25' Tether-Ready Tape Measure. Dual Scale - SAE/METRIC
THTPMA25	25' Tether-Ready Tape Measure - SAE ONLY

Features
- 1" x 25' / 7m tape measure with inch/metric scale



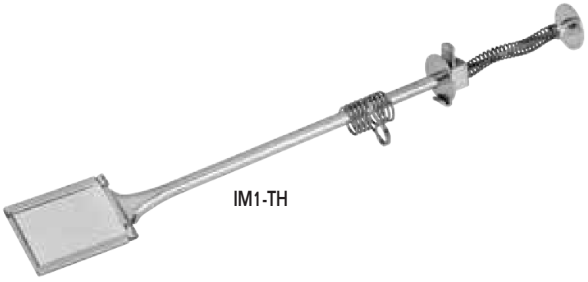
THTPMA25EM

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT INSPECTION MIRROR

Product Code	Description
IM1-TH	Tools@Height Tether-Ready Inspection Mirror

Features
- Installed safety-coil can be tethered to prevent dropping
- Hinged rectangular glass mirror
- Mirror is 1-3/16" x 1-1/2"

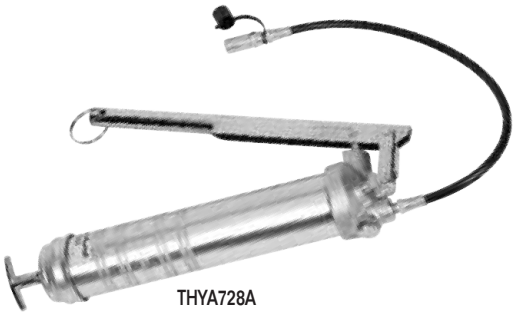

IM1-TH

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT GREASE GUN

Product Code	Description
THYA728A	Tools@Height Tether-Ready Grease Gun

Features
- Lever-operated large capacity gun develops 6,000 PSI
- Accepts 16 oz. bulk or 14-1/4 oz. cartridge grease
- Includes 18" flexible whip hose with coupler and 6" rigid extension


THYA728A

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



DR-1X3.5
Max Load: 5 pounds



DR-0.5X2.25
Max Load: 2 pounds



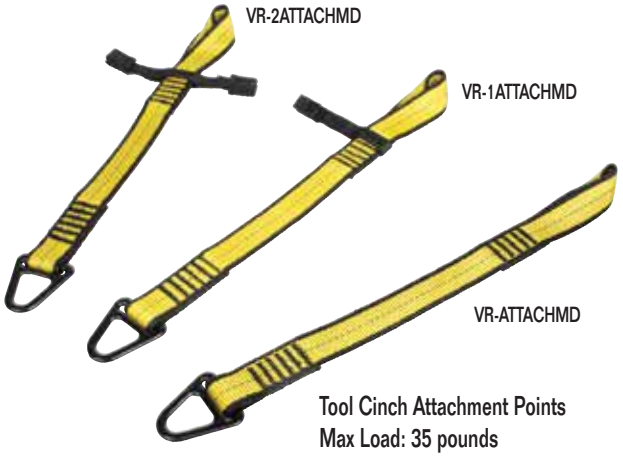
DR-0.5X2.25NC
Max Load: 2 pounds

D-RINGS

Product Code	Description	Quantity
DR-0.5X2.25-10PK	D-Ring 0.5" X 2.25"	10
DR0.5X2.25-100PK	D-Ring 0.5" X 2.25"	100
DR-0.5X2.25NC-10PK	D-Ring 0.5" X 2.25" Non-Conductive	10
DR-0.5X2.25NC-100PK	D-Ring 0.5" X 2.25" Non-Conductive	100
DR-1X3.5-10PK	D-Ring 1" X 3.5"	10
DR-1X3.5-50PK	D-Ring 1" X 3.5"	50

Features

- D-Rings combined with Quick Wrap Tape can create attachment points on tools that are otherwise impossible to tether.
- Non-conductive variant also available (DR-0.5X2.25NC-10PK)
- Third-party load rated for 5 pounds and 2 pounds



Tool Cinch Attachment Points
Max Load: 35 pounds

TOOL CINCH ATTACHMENTS

Product Code	Description	Quantity
VR-ATTACHMD-10PK	Tool Cinch Medium Duty	10
VR-1ATTACHMD-10PK	Tool Cinch Single Wing Medium Duty	10
VR-2ATTACHMD-10PK	Tool Cinch Dual Wing Medium Duty	10

Features

- Patent-pending Tool Cinch Attachment Points are third-party load rated for 35 pounds.
- The VR-1ATTACHMD and VR-2ATTACHMD feature stabilization wings that can be taped down using Quick Wrap Tape to create a strong connection that won't slide off a tool.
- With a Tool Cinch, it's possible to create attachment points on heavy, difficult to tether tools and equipment.
- The VR-ATTACHMD is perfect for tools with closed handles, or pre-drilled holes.
- The VR-1ATTACHMD is designed to be used with tools that do not have pre-drilled holes or closed handles. It can even be used on tools with triggers such as grinders, bandsaws, or drills.
- The VR-2ATTACHMD is intended to be used on long cylindrical tools where there is at least 5.5 inches of space available for the stabilization wings to be taped down.



QS-XL QS-L QS-M QS-S



QS-PCOIL

QUICK SPINS

Product Code	Diameter (Inches)	Load Rating (Pounds)	Quantity
QS-S-10PK	0.6	1	10
QS-M-10PK	0.8	1	10
QS-L-10PK	1	1	10
QS-XL-10PK	1.2	1	10
QS-P-10PK	0.3	No Rated	10
QS-PCOIL-10PK	0.3	No Rated	10
QS-PM-10PK	0.5	No Rated	10
QS-PMCOIL-10PK	0.5	No Rated	10

Features

- The unique, patented Quick Spins accommodate a wide selection of tools, making them tether-ready in seconds
- Reusable, and suitable for non-conductive use, the tangle-resistant spin tops make Quick Spins an outstanding drop prevention solution that doesn't deface tools
- Body is made from a Thermoplastic Rubber and Polyester material (TPU), while the spin tops are made of polyacetal and black carbon (POM)

QUICK WRAP TAPE

Product Code	Length (Inches)	Width (Inches)	Color	Quantity
QW-HDBLU1	108	1	Blue	1
QW-HDBLU1-10PK	108	1	Blue	10
QW-HDBLU1-CASE	108	1	Blue	240
QW-HDBLU1X2	216	1	Blue	1
QW-HDBLU2	108	2	Blue	1
QW-HDYLW1	108	1	Yellow	1
QW-HDYLW1-10PK	108	1	Yellow	10
QW-HDYLW1-CASE	108	1	Yellow	240

Features
- Quick Wrap Tape is made from a self-fusing silicone rubber, and features inner fiberglass webbing reinforcement.
- Quick Wrap Tape is intended to be used with D-Rings and Tool Cinch Attachment Points.



QW-HDYLW1

HEAT SHRINK

Product Code	Length (Inches)	Diameter (Inches)	Quantity
HS-0.75X1.75-25PK	1.75	0.75	25
HS-1X1.75-25PK	1.75	1	25
HS-1.5X2-25PK	2	1.5	25
HS-1.5X3-25PK	3	1.5	25
HS-2X4-10PK	4	2	10
HS-3X4-10PK	4	3	10

Features
- Heat Shrink is used to create an even stronger connection that is more resistant to abrasives and harsh environments
- Links shrink 300% in size, while an inner adhesive securely fastens itself to whatever is being wrapped.

Tools not included



Tape is always used with D-Rings and cinches. Heat Shrink is added to make a more durable surface

D-RING CORD

Product Code	Load Rating (Pounds)	Quantity
DR-CORD-10PK	5	10

Features
- The D-Ring cord (patent pending) easily cinches to tools weighing under 5 pounds, creating an instant attachment point for many tools

Tools not included

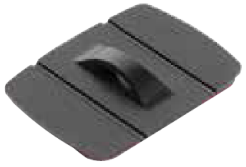

DR-CORD


EXT-C2LCOIL
(see page 118)

MICRO D-RING

Product Code	Quantity
DR-MICRO-10PK	10

Features
- The Micro D-Ring is an attachment point that can be used on small tools and equipment that are otherwise not possible to tether.
- The DR-MICRO is a flexible piece of ballistic plastic that can conform to the shape of many objects. A piece of industrial grade double-sided adhesive tape sticks to the bottom of the Micro D-Ring, allowing it to be attached to a clean surface.


DR-MICRO

QUICK RINGS

Product Code	Diameter (Inches)	Load Rating (Pounds)	Quantity
QR-00.75-25PK	0.75	2	25
QR-01-25PK	1	2	25
QR-01.5-25PK	1.5	2	25


QR-01.5 QR-01 QR-00.75

⚠WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



Combination	182
Ratcheting Combination	201
Double Open End	207
Box End	214
Flare Nut	218
Adjustable	220
Structural	226
Tubular	228
Striking	230
Hex Key	234

WRENCHES

Williams and Bahco brand wrenches come in a variety of styles and sizes to address most applications. Rooted in innovation leadership and tradition, our wrenches have unique design features that deliver extra strength, easy access and comfort.

Wrenches



Supercombo® Wrenches

- Open End: SUPERCOMBO® open end has specially designed grooves that contact fasteners on the flats and direct force away from corners, eliminating corner rounding. A 45˚ chamfer on the jaw tips allow for easy fastener insertion.
- Handle: Round edge profiles eliminate sharp edges, providing a more comfortable grip to apply more force. Large stamp size in the handle allows for quick and easy identification.
- Box End: SUPERTORQUE® lobular box design prevents rounding of the nuts and bolt heads by providing "no contact" clearance of the corners while applying all of the wrenching force (torque) on the flat surfaces behind the corner points. Box end chamfer is designed for quick, positive placement on the fastener.

Unique Tubular Handle Wrenches

- Wrenches may be used without the handle to quickly run down nuts. The handle can then be slipped on for final tightening or to reach otherwise inaccessible nuts.
- A "stop" on the wrench shaft helps to align locking button with handle hole.
- Offset box design provides turning clearance for hands above work surface.
- Continuous arc design distributes stress over the entire wrench opening radius for greater strength.
- Available in 3 styles — offset box, straight box and open end.
- Interchangeable handle lengths — 13", 24" and 36".
- Large size ranges from ¾" to 3 ⅛" (depending upon style).

⚠WARNING



Adjustable Wrenches

- J. P. Johansson, founder of Bahco, invented the adjustable wrench which is now found all over the world. Bahco alone has produced more than 100 million adjustables.
- Snap-on Industrial Brands offers the largest variety of adjustable wrenches in the industry: ergonomically designed, Big Mouth, combination adjustable pipe wrench, construction; chrome and black finish, comfort grip and standard handles.
- All models thru 18" feature measurement scale on head that conveniently shows fastener size.

Ratcheting Combination Wrenches

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- SUPERTORQUE® corners on box ends provide extra turning power.
- Available in Standard, Flex-Head and Stubby styles to suit every need.
- Fine tooth design with dual-pawl mechanism for extra strength.
- Flex-Head models feature 90 degree pivot in either direction.
- Stubby models feature extra short handles for access in tight areas.

WILLIAMS®

SUPERCOMBO® COMBINATION WRENCHES

High Polish Chrome and Satin Chrome Finish, 12 Point, SAE

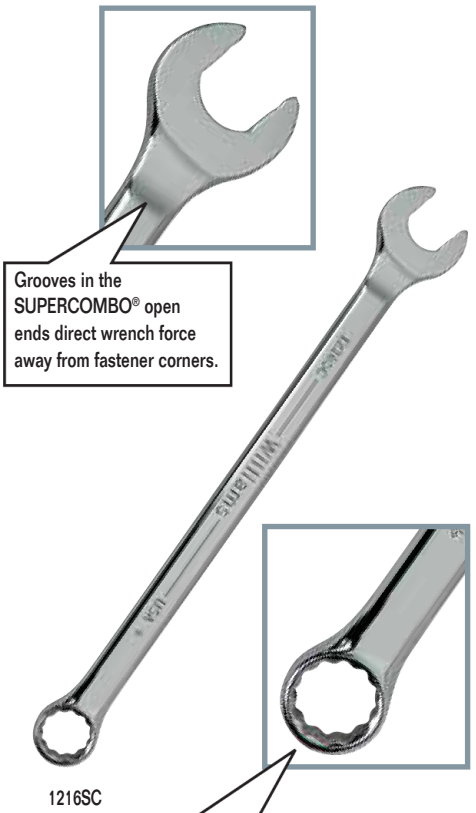
Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208SC +	1/4	4 1/4	9/16	1/8	13/32	3/16
1210SC +	5/16	5 3/4	11/16	5/32	1/2	7/32
1211SC +	11/32	6 1/4	3/4	3/16	9/16	1/4
1212SC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214SC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216SC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218SC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220SC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222SC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224SC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226SC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228SC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230SC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232SC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234SC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236SC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1238SC ++	1 3/16	16 1/4	2 17/32	17/32	1 23/32	3/4
1240SC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4
1242 **	1 5/16	17 3/4	2 13/16	19/32	1 29/32	3/4
1244 **	1 3/8	18 1/2	2 15/16	5/8	2	3/4
1246 **	1 7/16	19 1/4	3 1/16	5/8	2 3/32	7/8
1248 **	1 1/2	20 1/32	3 3/16	11/16	2 3/16	7/8
1178A **	1 9/16	20 25/32	3 3/16	21/32	2 1/4	7/8
1180 **	1 5/8	21 1/2	3 5/16	11/16	2 11/32	7/8
1182 **	1 11/16	22 9/32	3 7/16	23/32	2 7/16	7/8
1184 **	1 3/4	22 7/8	3 9/16	23/32	2 17/32	1 1/32
1186 **	1 13/16	23 15/32	3 11/16	3/4	2 5/8	1 1/32
1188 **	1 7/8	24 1/32	3 13/16	25/32	2 23/32	1 1/32
1190 **	2	25 1/4	4 1/16	27/32	2 7/8	1 1/32
1191 **	2 1/16	25 13/16	4 3/16	27/32	2 31/32	1 5/32
1192 **	2 1/8	26 3/8	4 5/16	7/8	3 1/16	1 5/32
1193 **	2 3/16	26 31/32	4 7/16	29/32	3 5/32	1 5/32
1194 **	2 1/4	27 9/16	4 9/16	15/16	3 7/32	1 5/32
1195 **	2 3/8	28 3/4	4 13/16	31/32	3 13/32	1 9/32
1197 **	2 1/2	29 29/32	5 1/16	1 1/32	3 19/32	1 9/32
1198 *	2 5/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198A *	2 3/4	32	6 5/8	1 7/32	4 7/8	1 5/8
1198B *	2 7/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198C *	2 15/16	32	6 5/8	1 7/32	4 7/8	1 5/8
1199 *	3	32	6 5/8	1 7/32	4 7/8	1 5/8
1199A *	3 1/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1199B *	3 3/8	31 3/8	6 5/8	1 7/32	4 7/8	1 5/8
1199C *	3 1/2	31 29/32	6 5/8	1 7/32	4 7/8	1 5/8

+ High Polish Chrome Finish with SUPERTORQUE® Box End.
++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End.
** Satin Chrome Finish with SUPERTORQUE® Box End and Standard Open End.
* Satin Chrome Finish with Standard Open and Box Ends.
Fed. Spec.: ANSI B107.6; SAE AS 954

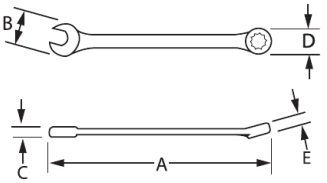
Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.







⚠WARNING



WS-1170SCA



WS-1171SCA



WS-1175

WILLIAMS®

12 F

SUPERCOMBO® WRENCH SETS

High Polish Chrome and Satin Chrome Finish, 12 Point, SAE

Set Contents:

Product Code	Size (Inches)	WS-1170SCA 7-Piece Set in Pouch	WS-1171SCA 11-Piece Set in Pouch	WS-1172SCA 15-Piece Set in Pouch	WS-1190SCA 26-Piece Set	WS-1174TA 10-Piece Set	WS-1175 6-Piece Set	WS-1176* 16-Piece Set	WS-1191SC* 32-Piece Set
1208SC	1/4				X				X
1210SC	5/16			X	X				X
1212SC	3/8	X	X	X	X				X
1214SC	7/16	X	X	X	X				X
1216SC	1/2	X	X	X	X				X
1218SC	9/16	X	X	X	X				X
1220SC	5/8	X	X	X	X				X
1222SC	11/16	X	X	X	X				X
1224SC	3/4	X	X	X	X				X
1226SC	13/16		X	X	X				X
1228SC	7/8		X	X	X				X
1230SC	15/16		X	X	X				X
1232SC	1		X	X	X				X
1234SC	1 1/16			X	X				X
1236SC	1 1/8			X	X				X
1240SC	1 1/4			X	X				X
1242	1 5/16				X	X		X	X
1244	1 3/8				X	X		X	X
1246	1 7/16				X	X		X	X
1248	1 1/2				X	X		X	X
1180	1 5/8				X	X		X	X
1182	1 11/16				X	X		X	X
1184	1 3/4				X	X		X	X
1186	1 13/16				X	X		X	X
1188	1 7/8				X	X		X	X
1190	2				X	X		X	X
1191	2 1/16						X	X	X
1192	2 1/8						X	X	X
1193	2 3/16						X	X	X
1194	2 1/4						X	X	X
1195	2 3/8						X	X	X
1197	2 1/2						X	X	X

*NOT PICTURED

USA Made in U.S.A.



WS-1174TA



WS-1172SCA



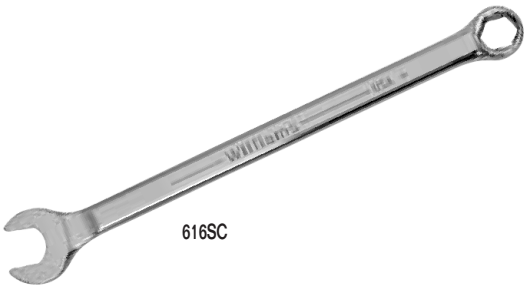
WS-1190SCA

WILLIAMS®

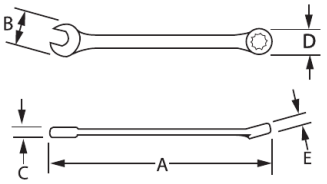
SUPERCOMBO® COMBINATION WRENCHES

High Polished Chrome Finish, 6 Point, SAE

		A	B	C	D	E
Product Code	Size (Inches)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)
608SC	1/4	4 1/4	9/16	1/8	13/32	3/16
612SC	3/8	6 1/2	13/16	3/16	9/16	1/4
614SC	7/16	7 1/4	15/16	7/32	11/16	9/32
616SC	1/2	8	1 1/16	1/4	3/4	11/32
618SC	9/16	8 3/4	1 1/4	1/4	7/8	3/8
620SC	5/8	9 1/2	1 3/8	9/32	15/16	13/32
622SC	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
624SC	3/4	11	1 5/8	5/16	1 1/8	1/2
626SC	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
628SC	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
630SC	15/16	13 1/4	2	7/16	1 3/8	19/32
632SC	1"	14	2 1/8	15/32	1 15/32	5/8
640SC	1 1/4	17	2 21/32	9/16	1 13/16	3/4



616SC



WS-SC11 11 Piece SUPERCOMBO Wrench Set, SAE

Contents Include:

Product Code:	Sizes (mm)	Product Code:	Sizes (mm)	Product Code:	Sizes (mm)
612SC	3/8"	614SC	7/16"	616SC	1/2"
618SC	9/16"	620SC	5/8"	622SC	11/16"
624SC	3/4"	626SC	13/16"	628SC	7/8"
630SC	15/16"	632SC	1"		



WS-SC11

Features

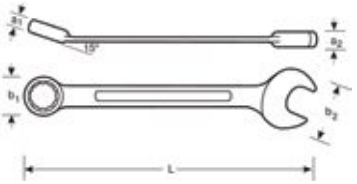
Made in U.S.A.

- SUPERCOMBO open end has specially designed grooves that direct wrench force away from fastener corners
- SUPERTORQUE box opening design allows application of higher torque without rounding or deforming hex fastener points.
- No contact is made at the corners, instead wrenching forces are placed on the flat surfaces behind the points
- High polish chrome textured finish provides great feel and wipes clean easily.

WARNING



111M-16



BAHCO 12 M

COMBINATION WRENCHES

Satin Chrome Finish, 12 Point, Metric

Product Code	Size (mm)	L Overall Length (Inches)	b2 Open End Width (Inches)	a2 Open End Thickness (Inches)	b1 Box end Diameter (inches)	a1 Box End Thickness (inches)
111M-5.5	5.5	4 1/2	1/2	1/8	3/8	3/16
111M-6	6	4 1/2	1/2	1/8	3/8	3/16
111M-7	7	4 3/4	1/2	1/8	1/2	3/16
111M-8	8	5	3/4	1/8	1/2	4/16
111M-9	9	5 1/2	1	1/8	1/2	1/4
111M-10	10	5 1/2	1	1/4	1/2	1/4
111M-11	11	6	1	1/4	1/2	1/4
111M-12	12	6 1/3	1	1/4	1/2	2/8
111M-13	13	6 1/2	1	1/4	1	2/8
111M-14	14	7	1	1/4	1	3/8
111M-15	15	7 1/4	1 1/2	1/4	1	3/8
111M-16	16	7 1/2	1 1/2	1/4	1	3/8
111M-17	17	8	1 1/2	1/4	1	3/8
111M-18	18	8	1 1/2	1/4	1	3/8
111M-19	19	8 1/2	1 3/4	1/4	1	3/8
111M-20	20	9 1/2	1 1/2	1/4	1	1/2
111M-21	21	10	2	1/4	1 1/4	1/2
111M-22	22	10	2	1/4	1 1/4	1/2
111M-23	23	11	2	3/8	1 3/8	1/2
111M-24	24	10 1/2	2	3/8	1 3/8	1/2
111M-25	25	11 1/2	2	3/8	1 1/2	4/8
111M-26	26	11 1/2	2	3/8	1 1/2	4/8
111M-27	27	12	2 1/4	3/8	1 1/2	5/8
111M-28	28	12	2 1/4	3/8	1 1/2	5/8
111M-29	29	13	2 1/3	3/8	2	5/8
111M-30	30	13	2 1/3	3/8	2	5/8
111M-32	32	14	2 1/2	3/8	2	2/3
111M-34	34	14	2 1/2	3/8	2	2/3
111M-36	36	16	3	1/2	2	3/4
111M-41	41	18	3 1/2	3/4	2 1/2	7/8
111M-46	46	19 1/2	3 1/2	3/4	2 1/2	1
111M-50	50	21 1/2	4	3/4	3	1
111M-55	55	22	4 1/2	1	3 1/2	7/8
111M-60	60	23 1/2	5	1	3 1/2	1
111M-65	65	27	6	1 1/4	4 1/4	1
111M-70	70	27	6	1 1/4	4 1/4	1
111M-75	75	28 3/4	6	1 1/2	4 1/2	1
111M-80	80	28 3/4	6	1 1/2	4 1/2	1



111M/14T

111M/14T 14 Piece Offset Combination Wrench Set, 12 Point, SAE, in Pouch Contents Include:

Product Code:	Sizes (mm)	Product Code:	Sizes (mm)	Product Code:	Sizes (mm)
111M-6	6	111M-8	8	111M-9	9
111M-10	10	111M-13	13	111M-14	14
111M-15	15	111M-17	17	111M-19	19
111M-22	22	111M-24	24	111M-27	27
111M-30	30	111M-32	32	111M-	



111M/26T

111M/26T 26 Piece Offset Combination Wrench Set, 12 Point, SAE, in Pouch Contents Include:

Product Code:	Sizes (mm)	Product Code:	Sizes (mm)	Product Code:	Sizes (mm)
111M-6	6	111M-7	7	111M-8	8
111M-9	9	111M-10	10	111M-11	11
111M-12	12	111M-13	13	111M-14	14
111M-15	15	111M-16	16	111M-17	17
111M-18	18	111M-19	19	111M-20	20
111M-21	21	111M-22	22	111M-23	23
111M-24	24	111M-25	25	111M-26	26
111M-27	27	111M-28	28	111M-29	29
111M-30	30	111M-32	32		

Features

- U shape shank provides better comfort
- Open end angle 15° with a slimmer head for better accessibility
- 12 point Dynamic-Drive Profile provides longer life for screws and nuts
- Box End 15° for knuckle clearance and better grip

WILLIAMS®

SUPERCOMBO® COMBINATION WRENCHES

Black Industrial Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1210BSC +	5/16	5 3/4	11/16	5/32	1/2	7/32
1212BSC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214BSC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216BSC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218BSC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220BSC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222BSC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224BSC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226BSC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228BSC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230BSC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232BSC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234BSC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236BSC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1240BSC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4
1242B **	1 5/16	17 3/4	2 13/16	19/32	1 29/32	3/4
1244B **	1 3/8	18 1/2	2 15/16	5/8	2	3/4
1246B **	1 7/16	19 1/4	3 1/16	5/8	2 3/32	7/8
1248B **	1 1/2	20 1/32	3 3/16	11/16	2 3/16	7/8
1178AB **	1 9/16	20 25/32	3 3/16	21/32	2 1/4	7/8
1180B **	1 5/8	21 1/2	3 5/16	11/16	2 11/32	7/8
1182B **	1 11/16	22 9/32	3 7/16	23/32	2 7/16	7/8
1184B **	1 3/4	22 7/8	3 9/16	23/32	2 17/32	1 1/32
1186B **	1 13/16	23 15/32	3 11/16	3/4	2 5/8	1 1/32
1188B **	1 7/8	24 1/32	3 13/16	25/32	2 23/32	1 1/32
1190B **	2	25 1/4	4 1/16	27/32	2 7/8	1 1/32
1191B **	2 1/16	25 13/16	4 3/16	27/32	2 31/32	1 5/32
1192B **	2 1/8	26 3/8	4 5/16	7/8	3 1/16	1 5/32
1193B **	2 3/16	26 31/32	4 7/16	29/32	3 5/32	1 5/32
1194B **	2 1/4	27 9/16	4 9/16	15/16	3 7/32	1 5/32
1195B **	2 3/8	28 3/4	4 13/16	31/32	3 13/32	1 9/32
1197B **	2 1/2	29 29/32	5 1/16	1 1/32	3 19/32	1 9/32
1198BL *	2 5/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198ABL *	2 3/4	32	6 5/8	1 7/32	4 7/8	1 5/8
1198BBL *	2 7/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198CBL *	2 15/16	32	6 5/8	1 7/32	4 7/8	1 5/8
1199BL *	3	32	6 5/8	1 7/32	4 7/8	1 5/8
1199ABL *	3 1/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1199BBL *	3 3/8	31 29/32	6 5/8	1 7/32	4 7/8	1 5/8
1199CBL *	3 1/2	31 29/32	6 5/8	1 7/32	4 7/8	1 5/8

+ Black Industrial Finish with SUPERTORQUE® Box End
++ Black Industrial Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End
** Black Industrial Finish with SUPERTORQUE® Box End and standard open end
* Satin Chrome Finish with Standard Open and Box Ends
Fed. Spec.: ANSI B107.6; SAE AS 954

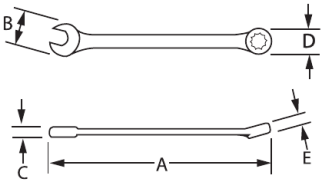
Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.



1216BSC



⚠WARNING



WS-1170BSC



WS-1171BSC



WS-1172BSC

WILLIAMS®

SUPERCOMBO® WRENCH SETS

Black Industrial Finish, 12 Point, SAE
Set Contents

Product Code	Size (Inches)	WS-1170BSC 7-Piece Set in Pouch	WS-1171BSC 11-Piece Set in Pouch	WS-1172BSC 15-Piece Set in Pouch	WS-1190BSC 26-Piece Set	WS-1174BTA 11- Piece Set
1210BSC	5/16			X	X	
1212BSC	3/8	X	X	X	X	
1214BSC	7/16	X	X	X	X	
1216BSC	1/2	X	X	X	X	
1218BSC	9/16	X	X	X	X	
1220BSC	5/8	X	X	X	X	
1222BSC	11/16	X	X	X	X	
1224BSC	3/4	X	X	X	X	
1226BSC	13/16		X	X	X	
1228BSC	7/8		X	X	X	
1230BSC	15/16		X	X	X	
1232BSC	1		X	X	X	
1234BSC	1 1/16			X	X	
1236BSC	1 1/8			X	X	
1240BSC	1 1/4			X	X	
1242B	1 5/16				X	X
1244B	1 3/8				X	X
1246B	1 7/16				X	X
1248B	1 1/2				X	X
1178AB	1 9/16				X	X
1180B	1 5/8				X	X
1182B	1 11/16				X	X
1184B	1 3/4				X	X
1186B	1 13/16				X	X
1188B	1 7/8				X	X
1190B	2				X	X

Made in U.S.A.



WS-1174BTA



WS-1190BSC

WILLIAMS®

12 M

SUPERCOMBO® COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1206MSC +	6	4 27/32	9/16	1/8	13/32	3/16
1207MSC ++	7	5 5/16	5/8	5/32	15/32	7/32
1208MSC ++	8	5 25/32	23/32	5/32	1/2	7/32
1209MSC ++	9	6 9/32	13/16	3/16	9/16	1/4
1210MSC ++	10	6 3/4	7/8	3/16	5/8	9/32
1211MSC ++	11	7 1/4	31/32	7/32	11/16	5/16
1212MSC ++	12	7 11/16	1 1/32	7/32	3/4	5/16
1213MSC ++	13	8 1/32	1 1/8	1/4	25/32	11/32
1214MSC ++	14	8 5/8	1 7/32	1/4	27/32	3/8
1215MSC ++	15	9 3/32	1 9/32	9/32	29/32	13/32
1216MSC ++	16	9 1/2	1 3/8	9/32	15/16	13/32
1217MSC ++	17	10 1/16	1 15/32	5/16	1	7/16
1218MSC ++	18	10 17/32	1 17/32	5/16	1 1/16	15/32
1219MSC ++	19	11 1/32	1 5/8	11/32	1 1/8	1/2
1220MSC ++	20	11 1/2	1 23/32	3/8	1 3/16	1/2
1221MSC ++	21	11 25/32	1 3/4	3/8	1 7/32	17/32
1222MSC ++	22	12 1/2	1 29/32	13/32	1 5/16	9/16
1223MSC ++	23	12 7/8	1 31/32	7/16	1 11/32	9/16
1224MSC ++	24	13 9/32	2	7/16	1 3/8	19/32
1225MSC ++	25	14 1/32	2 5/32	15/32	1 15/32	5/8
1226MSC +	26	14 5/16	2 3/16	1/2	1 1/2	21/32
1227MSC +	27	14 25/32	2 9/32	1/2	1 9/16	11/16
1229MSC +	29	15 17/32	2 13/32	17/32	1 21/32	23/32
1230MSC +	30	16 9/32	2 17/32	17/32	1 3/4	3/4
1232MSC +	32	17 1/32	2 11/16	9/16	1 13/16	3/4
1234MSC +	34	17 25/32	2 13/16	19/32	1 29/32	3/4
1236MSC +	36	19 9/32	3 1/16	21/32	2 3/32	7/8

+ High Polish Chrome Finish with SUPERTORQUE® Box End
++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End
Fed. Spec.: ANSI B107.6; SAE AS 954

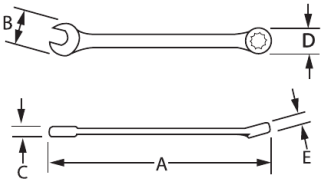
USA Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.







⚠WARNING

WILLIAMS®

SUPERCOMBO® WRENCH SETS

High Polish Chrome Finish, 12 Point, Metric
Set Contents:

Product Code	Size (MM)	MWS-1B 8-Piece Set in Pouch	MWS-5A 10-Piece Set in Pouch	MWS-10A 10-Piece Set in Pouch	MWS-15A 15-Piece Set in Pouch	MWS-15SA* 15-Piece Set in Pouch	MWS-18A 18-Piece Set in Pouch	MWS-6A 10-Piece Set in Pouch	MWS-27TA* 27-Piece Set
1206MSC	6	X							X
1207MSC	7	X	X		X	X	X		X
1208MSC	8	X	X		X	X	X		X
1209MSC	9	X	X		X		X		X
1210MSC	10	X	X	X	X	X	X		X
1211MSC	11	X	X	X	X		X		X
1212MSC	12	X	X	X	X	X	X		X
1213MSC	13	X	X	X	X		X		X
1214MSC	14		X	X	X	X	X		X
1215MSC	15		X	X	X		X		X
1216MSC	16			X	X	X	X		X
1217MSC	17		X	X	X		X		X
1218MSC	18			X	X	X	X	X	X
1219MSC	19			X	X		X	X	X
1220MSC	20				X	X	X		X
1221MSC	21				X		X	X	X
1222MSC	22					X	X	X	X
1223MSC	23						X		X
1224MSC	24					X	X	X	X
1225MSC	25								X
1226MSC	26					X			X
1227MSC	27					X		X	X
1229MSC	29					X			X
1230MSC	30					X		X	X
1232MSC	32					X		X	X
1234MSC	34							X	X
1236MSC	36							X	X



MWS-1B



MWS-5A



MWS-10A

*NOT PICTURED

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MWS-15A



MWS-18A



MWS-6A

WILLIAMS®

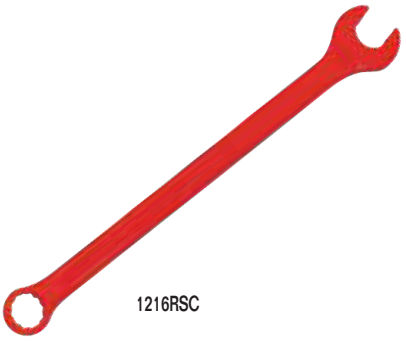
SUPERCOMBO® COMBINATION WRENCHES

High Visibility Red Finish, 12 Point, SAE

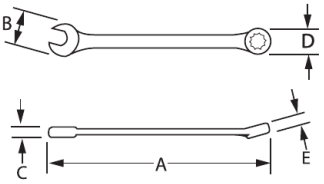
Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1212RSC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214RSC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216RSC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218RSC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220RSC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222RSC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224RSC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226RSC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228RSC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230RSC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232RSC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234RSC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236RSC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1240RSC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4

++ Hi-Vis Red Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End

Fed. Spec.: ANSI B107.6



1216RSC



WS-1170RSC 7 Piece Hi-Vis Red Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212RSC	3/8	1218RSC	9/16	1224RSC	3/4
1214RSC	7/16	1220RSC	5/8	Pouch	
1216RSC	1/2	1222RSC	11/16		



WS-1170RSC

WS-1171RSC 11 Piece Hi-Vis Red Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212RSC	3/8	1220RSC	5/8	1228RSC	7/8
1214RSC	7/16	1222RSC	11/16	1230RSC	15/16
1216RSC	1/2	1224RSC	3/4	1232RSC	1
1218RSC	9/16	1226RSC	13/16	Pouch	



WS-1171RSC

WS-1172RSC 14 Piece Hi-Vis Red Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212RSC	3/8	1222RSC	11/16	1232RSC	1
1214RSC	7/16	1224RSC	3/4	1234RSC	1 1/16
1216RSC	1/2	1226RSC	13/16	1236RSC	1 1/8
1218RSC	9/16	1228RSC	7/8	1240RSC	1 1/4
1220RSC	5/8	1230RSC	15/16	Pouch	



WS-1172RSC

Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.

WARNING



1216YSC



WS-1170YSC



WS-1171YSC



WS-1172YSC

WILLIAMS®

12 F

SUPERCOMBO® COMBINATION WRENCHES

High Visibility Yellow Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1212YSC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214YSC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216YSC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218YSC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220YSC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222YSC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224YSC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226YSC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228YSC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230YSC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232YSC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234YSC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236YSC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1240YSC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4

++ Hi-Vis Yellow Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End

Fed. Spec.: ANSI B107.6

WS-1170YSC 7 Piece Hi-Vis Yellow Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212YSC	3/8	1218YSC	9/16	1224YSC	3/4
1214YSC	7/16	1220YSC	5/8	Pouch	
1216YSC	1/2	1222YSC	11/16		

WS-1171YSC 11 Piece Hi-Vis Yellow Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212YSC	3/8	1220YSC	5/8	1228YSC	7/8
1214YSC	7/16	1222YSC	11/16	1230YSC	15/16
1216YSC	1/2	1224YSC	3/4	1232YSC	1
1218YSC	9/16	1226YSC	13/16	Pouch	

WS-1172YSC 14 Piece Hi-Vis Yellow Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212YSC	3/8	1222YSC	11/16	1232YSC	1
1214YSC	7/16	1224YSC	3/4	1234YSC	1 1/16
1216YSC	1/2	1226YSC	13/16	1236YSC	1 1/8
1218YSC	9/16	1228YSC	7/8	1240YSC	1 1/4
1220YSC	5/8	1230YSC	15/16	Pouch	

Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.

WILLIAMS 12 F

COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11208	1/4	5 1/8	9/16	5/32	7/16	7/32
11210	5/16	5 3/4	23/32	3/16	17/32	9/32
11212	3/8	6 1/2	13/16	3/16	5/8	5/16
11214	7/16	7 1/4	31/32	7/32	11/16	5/16
11216	1/2	8 1/8	1 3/32	1/4	25/32	3/8
11218	9/16	8 3/4	1 7/32	1/4	7/8	3/8
11220	5/8	9 1/2	1 3/8	9/32	31/32	7/16
11222	11/16	10 1/4	1 1/2	11/32	1 1/16	15/32
11224	3/4	11	1 5/8	3/8	1 3/32	1/2
11226	13/16	12	1 25/32	13/32	1 5/16	9/16
11228	7/8	12 3/8	1 7/8	3/8	1 11/32	9/16
11230	15/16	13 1/4	2 1/32	13/32	1 13/32	5/8
11232	1	14	2 3/32	7/16	1 1/2	11/16
11234	1 1/16	14 5/8	2 5/32	15/32	1 19/32	11/16
11236	1 1/8	16 1/4	2 5/16	1/2	1 21/32	3/4
11240	1 1/4	17	2 17/32	9/16	1 3/4	3/4

Fed. Spec.: ANSI B107.6; SAE AS 954



11216



11003

11003 9 Piece Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11208	1/4	11214	7/16	11220	5/8
11210	5/16	11216	1/2	11222	11/16
11212	3/8	11218	9/16	11224	3/4



11007

11007 11 Piece Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11212	3/8	11220	5/8	11228	7/8
11214	7/16	11222	11/16	11230	15/16
11216	1/2	11224	3/4	11232	1
11218	9/16	11226	13/16		

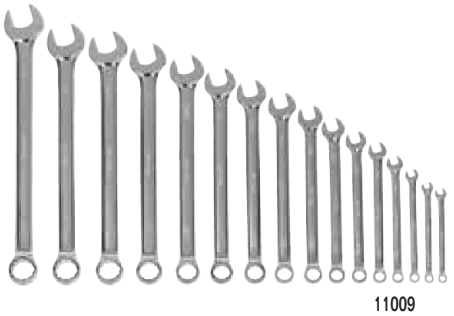


11008

11008 14 Piece Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11208	1/4	11220	5/8	11232	1
11210	5/16	11222	11/16	11234	1 1/16
11212	3/8	11224	3/4		
11214	7/16	11226	13/16		
11216	1/2	11228	7/8		
11218	9/16	11230	15/16		



11009

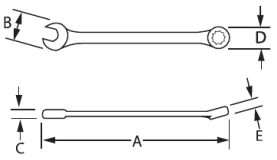
11009 16 Piece Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11208	1/4	11220	5/8	11232	1
11210	5/16	11222	11/16	11234	1 1/16
11212	3/8	11224	3/4	11236	1 1/8
11214	7/16	11226	13/16	11240	1 1/4
11216	1/2	11228	7/8		
11218	9/16	11230	15/16		

Features

- High polish chrome textured finish provides great feel and extra gripping power.
- 12 point box end provides easy socket engagement and maximum versatility.
- Recessed corners in box end provide extra turning power.
- Sets are packed in a pouch.



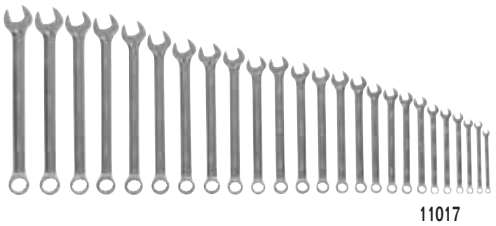
WARNING


11610


11011


11013


11015


11017

WILLIAMS® 12 M

COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

		A	B	C	D	E
Product Code	Size (MM)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)
11606	6	5 1/8	9/16	5/32	7/16	7/32
11607	7	5 3/8	21/32	5/32	1/2	1/4
11608	8	5 3/4	23/32	3/16	17/32	9/32
11609	9	6 1/2	13/16	7/32	19/32	5/16
11610	10	6 3/4	7/8	7/32	5/8	5/16
11611	11	7 1/4	31/32	7/32	11/16	5/16
11612	12	7 3/4	1	7/32	3/4	11/32
11613	13	8 1/8	1 3/32	1/4	25/32	3/8
11614	14	8 3/4	1 7/32	1/4	7/8	3/8
11615	15	9 1/8	1 9/32	9/32	29/32	13/32
11616	16	9 1/2	1 11/32	9/32	31/32	7/16
11617	17	10 1/4	1 15/32	11/32	1 1/32	15/32
11618	18	10 1/2	1 9/16	11/32	1 3/32	1/2
11619	19	11	1 21/32	11/32	1 1/8	1/2
11620	20	11 3/8	1 11/16	3/8	1 27/32	9/16
11621	21	12	1 25/32	13/32	1 5/16	9/16
11622	22	12 1/2	1 7/8	3/8	1 9/32	9/16
11623	23	12 1/2	1 27/32	3/8	1 11/32	9/16
11624	24	13 1/4	2 1/32	13/32	1 13/32	5/8
11625	25	14	2 5/32	7/16	1 1/2	11/16
11626	26	14	2 5/32	7/16	1 1/2	11/16
11627	27	14 5/8	2 5/32	15/32	1 19/32	11/16
11629	29	16 1/4	2 5/16	1/2	1 21/32	3/4
11630	30	16 1/4	2 5/16	1/2	1 21/32	3/4
11632	32	17	2 17/32	9/16	1 3/4	3/4

Fed. Spec.: ANSI B107.6; SAE AS 954

11011 9 Piece Combination Wrench Set, 12 Point, Metric, in Pouch
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11609	9	11612	12
11607	7	11610	10	11613	13
11608	8	11611	11	11614	14

11013 14 Piece Combination Wrench Set, 12 Point, Metric, in Pouch
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11611	11	11616	16
11607	7	11612	12	11617	17
11608	8	11613	13	11618	18
11609	9	11614	14	11619	19
11610	10	11615	15		

11015 19 Piece Combination Wrench Set, 12 Point, Metric, in Pouch
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11613	13	11620	20
11607	7	11614	14	11621	21
11608	8	11615	15	11622	22
11609	9	11616	16	11623	23
11610	10	11617	17	11624	24
11611	11	11618	18		
11612	12	11619	19		

11017 25 Piece Combination Wrench Set, 12 Point, Metric, in Pouch
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11615	15	11623	23
11607	7	11616	16	11624	24
11608	8	11617	17	11625	25
11609	9	11618	18	11626	26
11610	10	11619	19	11627	27
11611	11	11620	20	11629	29
11612	12	11621	21	11630	30
11613	13	11622	22	11632	32
11614	14				

Features
- High polish chrome textured finish provides great feel and extra gripping power.
- 12 point box end provides easy socket engagement and maximum versatility.
- Recessed corners in box end provide extra turning power.
- Sets are packed in pouch.

WILLIAMS 12 F

COMBINATION WRENCHES

Satin Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11108	1/4	5 1/8	9/16	5/32	7/16	7/32
11110	5/16	5 3/4	23/32	3/16	17/32	9/32
11112	3/8	6 1/2	13/16	3/16	5/8	5/16
11114	7/16	7 1/4	31/32	7/32	11/16	5/16
11116	1/2	8 1/8	1 3/32	1/4	25/32	3/8
11118	9/16	8 3/4	1 7/32	1/4	7/8	3/8
11120	5/8	9 1/2	1 3/8	9/32	31/32	7/16
11122	11/16	10 1/4	1 1/2	11/32	1 1/16	15/32
11124	3/4	11	1 5/8	3/8	1 3/32	1/2
11126	13/16	12	1 25/32	13/32	1 5/16	9/16
11128	7/8	12 3/8	1 7/8	3/8	1 11/32	9/16
11130	15/16	13 1/4	2 1/32	13/32	1 13/32	5/8
11132	1	14	2 3/32	7/16	1 1/2	11/16
11134	1 1/16	14 5/8	2 5/32	15/32	1 19/32	11/16
11136	1 1/8	16 1/4	2 5/16	1/2	1 21/32	3/4
11140	1 1/4	17	2 17/32	9/16	1 3/4	3/4
11142	1 5/16	18 1/2	2 3/4	1/2	2	11/16
11144	1 3/8	18 1/2	2 3/4	1/2	2	11/16
11146	1 7/16	20	3	1/2	2 3/16	3/4
11148	1 1/2	20	3	1/2	2 3/16	3/4
11150	1 9/16	21 5/8	3 1/4	1/2	2 3/8	3/4
11152	1 5/8	21 5/8	3 1/4	1/2	2 3/8	3/4
11154	1 11/16	21 5/8	3 1/4	1/2	2 3/8	3/4
11156	1 3/4	24	3 3/8	11/16	2 1/2	3/4
11158	1 13/16	24	3 3/8	11/16	2 1/2	3/4
11160	1-7/8	25 1/2	3 3/4	3/4	2 7/8	7/8
11164	2	25 1/2	3 3/4	3/4	2 7/8	7/8

Fed. Spec.: ANSI B107.6; SAE AS 954

Combination Wrenches Set

Contents Include:

Product Code	Size (Inches)	11002 9 Piece Set in Pouch	11004 11 Piece Set in Pouch	11005 14 Piece Set in Pouch	11006 16 Piece Set in Pouch	11019* 11 Piece Set
11108	1/4	X		X	X	
11110	5/16	X		X	X	
11112	3/8	X	X	X	X	
11114	7/16	X	X	X	X	
11116	1/2	X	X	X	X	
11118	9/16	X	X	X	X	
11120	5/8	X	X	X	X	
11122	11/16	X	X	X	X	
11124	3/4	X	X	X	X	
11126	13/16		X	X	X	
11128	7/8		X	X	X	
11130	15/16		X	X	X	
11132	1		X	X	X	
11134	1 1/16			X	X	
11136	1 1/8				X	
11140	1 1/4				X	
11142	1 5/16					X
11144	1 3/8					X
11146	1 7/16					X
11148	1 1/2					X
11150	1 9/16					X
11152	1 5/8					X
11154	1 11/16					X
11156	1 3/4					X
11158	1 13/16					X
11160	1 7/16					X
11164	2					X

*NOT PICTURED

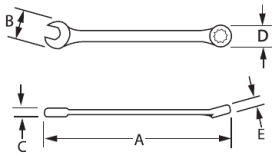

11116


11002


11004


11005

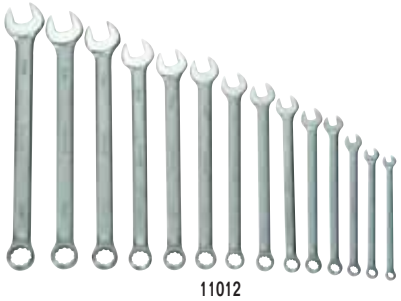

11006



WARNING


11510


11010


11012


11014


11016

WILLIAMS 12 M

COMBINATION WRENCHES

Satin Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11506	6	5 1/8	9/16	5/32	7/16	7/32
11507	7	5 3/8	21/32	5/32	1/2	1/4
11508	8	5 3/4	23/32	3/16	17/32	9/32
11509	9	6 1/2	13/16	7/32	19/32	5/16
11510	10	6 3/4	7/8	7/32	5/8	5/16
11511	11	7 1/4	31/32	7/32	11/16	5/16
11512	12	7 3/4	1	7/32	3/4	11/32
11513	13	8 1/8	1 3/32	1/4	25/32	3/8
11514	14	8 3/4	1 7/32	1/4	7/8	3/8
11515	15	9 1/8	1 9/32	9/32	29/32	13/32
11516	16	9 1/2	1 11/32	9/32	31/32	7/16
11517	17	10 1/4	1 15/32	11/32	1 1/32	15/32
11518	18	10 1/2	1 9/16	11/32	1 3/32	1/2
11519	19	11	1 21/32	11/32	1 1/8	1/2
11520	20	11 3/8	1 11/16	3/8	1 27/32	9/16
11521	21	12	1 25/32	13/32	1 5/16	9/16
11522	22	12 1/2	1 7/8	3/8	1 9/32	9/16
11523	23	12 1/2	1 27/32	3/8	1 11/32	9/16
11524	24	13 1/4	2 1/32	13/32	1 13/32	5/8
11525	25	14	2 5/32	7/16	1 1/2	11/16
11526	26	14	2 5/32	7/16	1 1/2	11/16
11527	27	14 5/8	2 5/32	15/32	1 19/32	11/16
11529	29	16 1/4	2 5/16	1/2	1 21/32	3/4
11530	30	16 1/4	2 5/16	1/2	1 21/32	3/4
11532	32	17	2 17/32	9/16	1 3/4	3/4
11533	33	18 1/2	2 3/4	1/2	2	11/16
11534	34	18 1/2	2 3/4	1/2	2	11/16
11535	35	18 1/2	2 3/4	1/2	2	11/16
11536	36	20	3	1/2	2 3/16	3/4
11538	38	20	3	1/2	2 3/16	3/4
11540	40	21 5/8	3 1/4	1/2	2 3/8	3/4
11541	41	21 5/8	3 1/4	1/2	2 3/8	3/4
11542	42	21 5/8	3 1/4	1/2	2 3/8	3/4
11543	43	21 5/8	3 1/4	1/2	2 3/8	3/4
11545	45	24	3 3/8	11/16	2 1/2	3/4
11546	46	24	3 3/8	11/16	2 1/2	3/4
11548	48	25 1/2	3 3/4	3/4	2 7/8	7/8
11550	50	25 1/2	3 3/4	3/4	2 7/8	7/8

Fed. Spec.: ANSI B107.6; SAE AS 954

Combination Wrenches Set

Contents Include:

Product Code	Size (MM)	11010 9 Piece Set in Pouch	11012 14 Piece Set in Pouch	11014 19 Piece Set In Pouch	11016 25 Piece Set In Pouch	11018* 13 Piece Set
11506	6	X	X	X	X	
11507	7	X	X	X	X	
11508	8	X	X	X	X	
11509	9	X	X	X	X	
11510	10	X	X	X	X	
11511	11	X	X	X	X	
11512	12	X	X	X	X	
11513	13	X	X	X	X	
11514	14	X	X	X	X	
11515	15		X	X	X	
11516	16		X	X	X	
11517	17		X	X	X	
11518	18		X	X	X	
11519	19		X	X	X	
11520	20			X	X	
11521	21			X	X	
11522	22			X	X	
11523	23			X	X	
11524	24			X	X	
11525	25				X	
11526	26				X	
11527	27				X	
11529	29				X	
11530	30				X	
11532	32				X	
11533	33					X
11534	34					X
11535	35					X
11536	36					X
11538	38					X
11540	40					X
11541	41					X
11542	42					X
11543	43					X
11545	45					X
11546	46					X
11548	48					X
11550	50					X

*NOT PICTURED

WILLIAMS

OFFSET COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point Offset Box End, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11950	1/4	3 3/4	9/16	5/32	13/32	5/32
11951	5/16	4 1/2	11/16	3/16	1/2	7/32
11970	11/32	5	25/32	3/16	17/32	1/4
11952	3/8	5	25/32	3/16	9/16	1/4
11953	7/16	5 3/4	15/16	3/16	5/8	1/4
11954	1/2	6 3/4	1 1/8	7/32	23/32	5/16
11955	9/16	7 1/4	1 7/32	1/4	13/16	3/8
11956	5/8	8 1/8	1 3/8	1/4	29/32	3/8
11957	11/16	8 3/4	1 7/16	9/32	31/32	13/32
11958	3/4	9 5/8	1 5/8	5/16	1 1/16	15/32
11959	13/16	10 1/2	1 21/32	5/16	1 5/32	15/32
11960	7/8	10 1/2	1 7/8	11/32	1 9/32	1/2
11961	15/16	11 3/4	2 1/32	11/32	1 11/32	9/16
11962	1	13	2 5/32	11/32	1 7/16	19/32
11963	1 1/16	13	2 9/32	3/8	1 17/32	5/8
11964	1 1/8	14 1/2	2 13/32	3/8	1 19/32	11/16
11965	1 1/4	15 1/4	2 21/32	7/16	1 25/32	23/32
11966	1 5/16	16 1/4	2 13/16	15/32	1 7/8	25/32
11967	1 3/8	16 3/8	2 13/16	15/32	1 7/8	25/32
11968	1 7/16	17	3 1/16	9/16	2 1/8	7/8
11969	1 1/2	17	3 1/16	17/32	2 3/32	27/32



11954

11990 9 Piece Offset Combination Wrench Set, 12 Point, SAE, in Pouch

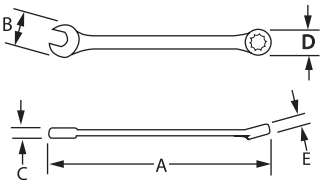
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11952	3/8	11955	9/16	11958	3/4
11953	7/16	11956	5/8	11959	13/16
11954	1/2	11957	11/16	11960	7/8

Features

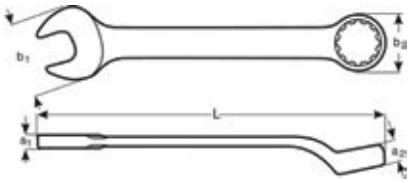
- Unique 15° offset box end provides extra knuckle clearance.
- High-polished chrome finish cleans easily.
- 12 point box end provides maximum versatility.
- Recessed corners in box end provide extra turning power.
- Includes pouch


11990



WARNING





BAHCO

12 M

OFFSET COMBINATION WRENCHES

Satin Chrome Finish, 12 Point, Metric

Product Code	Size (mm)	L Overall length	b1 Open End Width	a1 Open End Thickness	b2 Box End Diameter	a2 Box End Thickness
1952M-6	6	3 3/4	1/2	1/8	1/4	1/4
1952M-7	7	4	5/8	1/8	1/2	1/4
1952M-8	8	4 1/2	3/4	1/8	1/2	1/4
1952M-9	9	5	3/4	1/8	1/2	1/4
1952M-10	10	5 1/2	1	1/4	1/2	1/4
1952M-11	11	5 3/4	1	1/4	3/4	1/4
1952M-12	12	6	1	1/4	3/4	1/3
1952M-13	13	6 3/4	1 3/8	1/4	3/4	1/3
1952M-14	14	7 1/4	1 1/4	1/4	3/4	1/3
1952M-15	15	7 1/4	1 1/4	1/4	3/4	1/3
1952M-16	16	8	1 1/4	1/4	1	1/3
1952M-17	17	8 1/2	1 1/2	1/4	1	1/2
1952M-18	18	9	1 1/2	1/4	1	1/2
1952M-19	19	9 1/2	1 5/8	1/3	1	1/2
1952M-20	20	10 1/2	1 3/4	1/3	1	1/2
1952M-21	21	10 1/2	1 3/4	1/3	1 1/4	1/2
1952M-22	22	10 1/2	2	1/3	1 1/4	1/2
1952M-23	23	12	2	1/3	1 1/4	1/2
1952M-24	24	12	2	1/3	1 1/4	1/2
1952M-25	25	13	2	1/3	1 1/2	1/2
1952M-26	26	13	2	1/3	1 1/2	1/2
1952M-27	27	13	2 1/3	1/3	1 1/2	3/4
1952M-28	28	14 1/2	2 1/2	1/3	1 1/2	3/4
1952M-29	29	14 1/2	2 1/2	1/3	1 1/2	3/4
1952M-30	30	14 1/2	2 1/2	1/3	1 3/4	3/4
1952M-32	32	15 1/3	2 5/8	1/2	1 3/4	3/4
1952M-34	34	16 1/3	3	1/2	2	3/4
1952M-36	36	17	3	1/2	2	3/4
1952M-41	41	19 1/2	3 1/2	5/8	2 1/2	1
1952M-46	46	20 1/2	3 1/2	5/8	2 3/4	1
1952M-50	50	22	4	5/8	3	1
1952M-55	55	22 1/2	4 1/2	3/4	3 1/4	1 1/4
1952M-60	60	26	5	3/4	3 1/2	1 1/4
1952M-65	65	28	5 1/4	7/8	3 3/4	1 1/4
1952M-70	70	30	5 1/2	1	4 1/4	1 1/2
1952M-75	75	32	6	1	4 1/4	1 1/2
1952M-80	80	34	6 1/2	1 1/8	4 3/4	1 1/2


1952M-7T


1952M-14T


1952M-26T

1952M-7T 7 Piece Offset Combination Wrench Set, in Pouch Contents Include:

Product Code:	Sizes (mm)	Product Code:	Sizes (mm)	Product Code:	Sizes (mm)
1952M-8	8	1952M-10	10	1952M-13	13
1952M-14	14	1952M-17	17	1952M-19	19
1952M-22	22				

1952M-14T 14 Piece Offset Combination Wrench Set, in Pouch Contents Include:

Product Code:	Sizes (mm)	Product Code:	Sizes (mm)	Product Code:	Sizes (mm)
1952M-6	6	1952M-8	8	1952M-9	9
1952M-10	10	1952M-13	13	1952M-14	14
1952M-15	15	1952M-17	17	1952M-19	19
1952M-22	22	1952M-24	24	1952M-27	27
1952M-30	30	1952M-32	32		

1952M-26T 26 Piece Offset Combination Wrench Set, in Pouch Contents Include:

Product Code:	Sizes (mm)	Product Code:	Sizes (mm)	Product Code:	Sizes (mm)
1952M-6	6	1952M-7	7	1952M-8	8
1952M-9	9	1952M-10	10	1952M-11	11
1952M-12	12	1952M-13	13	1952M-14	14
1952M-15	15	1952M-16	16	1952M-17	17
1952M-18	18	1952M-19	19	1952M-20	20
1952M-21	21	1952M-22	22	1952M-23	23
1952M-24	24	1952M-25	25	1952M-26	26
1952M-27	27	1952M-28	28	1952M-29	29
1952M-30	30	1952M-32	32		

Features

- Open End 15° with a slimmer head for more accessibility.
- 12 point Dynamic-Drive Profile provides longer life for screws and nuts
- Box End 15° for knuckle clearance and better grip

WILLIAMS®

6 12 F

MINIATURE COMBINATION WRENCH

High Polished Chrome Finish, 6 & 12 Point, SAE

Product Code	Size (Inches)	Point	A Box End Diameter (Inches)	B Open End Width (Inches)	C Box End Thickness (Inches)	D Open End Thickness (Inches)	E Overall Length (Inches)
MIDS4A	1/8"	6	7/32	11/32	1/8	1/8	2 11/16
MIDS5A	5/32"	6	9/32	13/32	5/32	1/8	2 27/32
MIDS6A	3/16"	6	5/16	7/16	5/32	1/8	2 31/32
MID65A	13/64"	12	3/8	1/2	1/8	1/8	3 1/8
MID7A	7/32"	12	3/8	1/2	3/16	1/8	3 3/32
MID75A	15/64"	12	3/8	1/2	2/8	1/8	3 1/4
MID8A	1/4"	12	13/32	17/32	3/16	5/32	3 7/32
MID9A	9/32"	12	7/16	19/32	7/32	5/32	3 11/32
MID10A	5/16"	12	1/2	21/32	7/32	5/32	3 1/2
MID12A	3/8"	12	19/32	25/32	1/4	3/16	3 3/4
MID14A	7/16"	12	21/32	29/32	5/16	7/32	4 1/32

WS-MID10 10 Piece Miniature Combination Wrench Set in Pouch Contents Include:

Product Code:	Sizes (mm)	Product Code:	Sizes (mm)	Product Code:	Sizes (mm)
MIDS5A	5/32"	MIDS6A	3/16"	MID65A	13/64"
MID7A	7/32"	MID75A	15/64"	MID8A	1/4"
MID9A	9/32"	MID10A	5/16"	MID12A	3/8"
MID14A	7/16"				

Made in U.S.A.



MIDS10A


WS-MID10

Features

- Excellent wrench for fast turning of fasteners in limited clearance areas.
- Box and open end openings are identical size.
- High polish chrome textured finish provides great feel and wipes clean easily.

WILLIAMS®

6 M

SHORT COMBINATION WRENCH

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (Inches)	A Box End Diameter (Inches)	B Open End Width (Inches)	C Box End Thickness (Inches)	D Open End Thickness (Inches)	E Overall Length (Inches)
1208M	8	1/2	5/8	1/4	3/16	4 13/16
1209M	9	1/2	3/4	1/4	3/16	5
1210M	10	9/16	3/4	1/4	3/16	5 1/4
1211M	11	11/16	1	5/16	1/4	5 7/16
1212M	12	11/16	1	5/16	1/4	5 9/16
1213M	13	13/16	1	3/8	1/4	5 13/16
1214M	14	13/16	1 1/8	3/8	1/4	6
1215M	15	7/8	1 1/4	3/8	1/4	6 1/8
1216M	16	1	1 1/4	3/8	1/4	6 3/8
1217M	17	1	1 3/8	7/16	5/16	6 5/8
1218M	18	1 1/16	1 1/2	1	5/16	6 3/4
1219M	19	1 3/16	1 1/2	1	3/8	7

MWS-MS-10 10 Piece Short Combination Wrench Set in Pouch Contents Include:

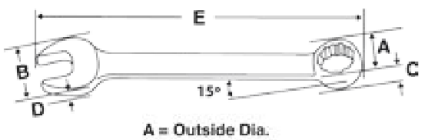
Product Code:	Sizes (mm)	Product Code:	Sizes (mm)	Product Code:	Sizes (mm)
1208M	8	1209M	9	1210M	10
1211M	11	1212M	12	1213M	13
1214M	14	1215M	15	1217M	17
1219M	19				

Made in U.S.A.



1210M


MWS-MS-10



A = Outside Dia.
B = Outside Dia.
C = Head Depth
D = Head Depth
E = Length

Features

- Excellent wrench for fast turning of fasteners in limited clearance areas.
- Box and open end openings are identical size.
- High polish chrome textured finish provides great feel and wipes clean easily.

WARNING



11316



11030

WILLIAMS

STUBBY COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11310	5/16	3 9/16	11/16	5/32	1/2	7/16
11312	3/8	3 3/4	13/16	3/16	19/32	1/2
11314	7/16	3 15/16	15/16	7/32	21/32	9/16
11316	1/2	4 1/4	1 1/16	1/4	3/4	11/16
11318	9/16	4 1/2	1 3/16	9/32	27/32	3/4
11320	5/8	4 3/4	1 5/16	9/32	15/16	13/16
11322	11/16	5	1 7/16	5/16	1 1/32	7/8
11324	3/4	5 7/16	1 9/16	11/32	1 1/8	15/16

Fed. Spec.: ANSI B107.6

11030 7 Piece Stubby Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11312	3/8	11318	9/16	11324	3/4
11314	7/16	11320	5/8		
11316	1/2	11322	11/16		

Features

- Extra short handle for access where clearance is limited.
- High-polished chrome finish cleans easily.
- 12 point box end provides maximum versatility.
- Recessed corners in box end provide extra turning power.



11714



11032

WILLIAMS

STUBBY COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11708	8	3 1/2	11/16	5/32	1/2	7/16
11710	10	3 3/4	13/16	7/32	19/32	1/2
11711	11	3 15/16	15/16	7/32	21/32	9/16
11712	12	4 1/16	1	1/4	21/32	5/8
11713	13	4 1/4	1 1/16	1/4	25/32	11/16
11714	14	4 1/2	1 1/8	9/32	27/32	11/16
11715	15	4 5/8	1 1/4	9/32	29/32	3/4
11716	16	4 3/4	1 5/16	5/16	15/16	13/16
11717	17	5	1 3/8	5/16	1	7/8
11718	18	5 3/16	1 7/16	5/16	1 1/32	7/8
11719	19	5 7/16	1 9/16	5/16	1 1/8	15/16

Fed. Spec.: ANSI B107.9M

11032 7 Piece Stubby Combination Wrench Set, 12 Point, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11710	10	11714	14	11718	18
11712	12	11715	15		
11713	13	11717	17		

Features

- Extra short handle for access where clearance is limited.
- High-polished chrome finish cleans easily.
- 12 point box end provides maximum versatility.
- Recessed corners in box end provide extra turning power.

WILLIAMS®

12 POINT, SEMI DEEP, SAE FLEX-HEAD COMBINATION WRENCHES

High Polish Chrome Finish

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Socket Diameter (Inches)	E Hex Depth (Inches)
11900	3/8	7	15/16	7/32	9/16	1/2
11901	7/16	7	15/16	7/32	5/8	17/32
11902	1/2	8	1 15/16	1/4	25/32	19/32
11903	9/16	8 3/4	1 9/32	1/4	13/16	21/32
11904	5/8	9 3/4	1 15/32	9/32	14/16	3/4
11905	11/16	9 3/4	1 15/32	9/32	15/16	3/4
11906	3/4	10 3/4	1 19/32	1/4	1	25/32


11900

11940 7 Piece Flex-Head Combination Wrench Set, 12 Point, SAE, in Pouch


11940

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11900	3/8	11903	9/16	11906	3/4
11901	7/16	11904	5/8		
11902	1/2	11905	11/16		

WILLIAMS®

12 POINT, SEMI DEEP, SAE DOUBLE FLEX-HEAD WRENCHES

High Polish Chrome Finish

Product Code	Size (Inches)	A Overall Length (Inches)	B Socket Diameter (Inches)	C Hex Depth (Inches)	D Socket Diameter (Inches)	E Hex Depth (Inches)
12601	3/8 x 7/16	7 13/16	9/16	15/32	5/8	17/32
12603	1/2 x 9/16	9 3/4	23/32	5/8	13/16	21/32
12605	5/8 x 11/16	10	27/32	23/32	15/16	3/4
12607	3/4 x 7/8	12	1	3/4	1 5/32	29/32


12607

12691 4 Piece Double Flex-Head Wrench Set, 12 Point, SAE, in Pouch


12691

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
12601	3/8 x 7/16	12605	5/8 x 11/16
12603	1/2 x 9/16	12607	3/4 x 7/8

Features

- Unique semi-deep socket end provides extra bolt clearance.
- High-polished chrome finish cleans easily.
- 12 point socket end provides maximum versatility.
- Recessed corners in socket end provide extra turning power.

BAHCO®

DOUBLE FLEX-HEAD WRENCHES

Satin Chrome Finish, 12 point, Metric

Product Code	Size (MM)	Overall Length (Inches)	D1 Socket Diameter	D2 Socket Diameter
Satin Chrome Finish				
4040M-8-9	8x9	7	1/2	1/2
4040M-10-11	10x11	8	1/2	5/8
4040M-12-13	12x13	9	5/8	3/4
4040M-14-15	14x15	10	3/4	3/4
4040M-16-17	16x17	10	7/8	7/8
4040M-18-19	18x19	12	1	1


4040M/6T

4040M/6T 6 Piece Flex Head Wrench, 12 Point, Metric

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
4040M-8-9	8x9	4040M-10-11	10x11	4040M-12-13	12x13
4040M-14-15	14x15	4040M-16-17	16x17	4040M-18-19	18x19

Features

- 12 point Dynamic-Drive Profile provides longer life for screws and nuts.
- Both heads swivel 180°.

WARNING



1216RCF



WS-1168RCF

WILLIAMS

12 F

FLEX-HEAD REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1210RCF	5/16	5 1/2	23/32	5/32	23/32	1/4
1212RCF	3/8	6 5/16	29/32	7/32	7/8	5/16
1214RCF	7/16	6 11/16	31/32	7/32	29/32	11/32
1216RCF	1/2	7 1/4	1 1/32	1/4	1	13/32
1218RCF	9/16	7 19/32	1 3/16	1/4	1 3/32	13/32
1220RCF	5/8	8 13/32	1 3/8	9/32	1 1/4	7/16
1222RCF	11/16	9	1 15/32	9/32	1 9/32	1/2
1224RCF	3/4	10	1 9/16	11/32	1 15/32	1/2

WS-1168RCF 8 Piece Reversible Flex-Head Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1210RCF	5/16	1216RCF	1/2	1222RCF	11/16
1212RCF	3/8	1218RCF	9/16	1224RCF	3/4
1214RCF	7/16	1220RCF	5/8		

Features

- Flex-Head pivots 90° in either direction for access in tight areas.
- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



1213MRCF



MWS-12RCF

WILLIAMS

12 M

FLEX-HEAD REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208MRCF	8	5 9/16	23/32	5/32	23/32	9/32
1209MRCF	9	6	13/16	5/32	25/32	5/16
1210MRCF	10	6 5/16	29/32	7/32	27/32	5/16
1211MRCF	11	6 3/4	31/32	7/32	29/32	11/32
1212MRCF	12	7	1 1/32	7/32	31/32	3/8
1213MRCF	13	7 11/16	1 1/16	1/4	1	13/32
1214MRCF	14	7 19/32	1 3/16	1/4	1 3/32	13/32
1215MRCF	15	8	1 1/4	9/32	1 5/32	7/16
1216MRCF	16	8 5/16	1 3/8	9/32	1 7/32	7/16
1217MRCF	17	9	1 15/32	9/32	1 9/32	1/2
1218MRCF	18	9 1/2	1 9/16	5/16	1 3/8	1/2
1219MRCF	19	10	1 9/16	11/32	1 15/32	17/32

MWS-12RCF 12 Piece Reversible Flex-Head Ratcheting Combination Wrench Set, Metric, in Plastic Tray

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1208MRCF	8	1212MRCF	12	1216MRCF	16
1209MRCF	9	1213MRCF	13	1217MRCF	17
1210MRCF	10	1214MRCF	14	1218MRCF	18
1211MRCF	11	1215MRCF	15	1219MRCF	19

Features

- Flex-Head pivots 90° in either direction for access in tight areas.
- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.

WILLIAMS®

REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208RC	1/4	4 1/2	21/32	5/32	21/32	9/32
1210RC	5/16	5 1/4	23/32	5/32	23/32	9/32
1212RC	3/8	6 1/4	7/8	3/16	7/8	5/16
1214RC	7/16	6 5/8	15/16	7/32	29/32	11/32
1216RC	1/2	7	1 1/32	1/4	1	13/32
1218RC	9/16	7 3/8	1 3/16	1/4	1 3/32	13/32
1220RC	5/8	8 7/32	1 11/32	9/32	1 7/32	7/16
1222RC	11/16	9	1 7/16	9/32	1 11/16	1/2
1224RC	3/4	9 3/4	1 17/32	11/32	1 15/32	17/32
1226RC	13/16	10 1/2	1 23/32	3/8	1 9/16	17/32
1228RC	7/8	11 13/32	1 7/8	11/32	1 21/32	19/32
1230RC	15/16	12	1 31/32	15/32	1 27/32	5/8
1232RC	1	13	2 3/32	15/32	1 7/8	5/8


1226RC

WS-1168RC 8 Piece Reversible Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1210RC	5/16	1216RC	1/2	1222RC	11/16
1212RC	3/8	1218RC	9/16	1224RC	3/4
1214RC	7/16	1220RC	5/8		


WS-1168RC

WS-1164RC 4 Piece Reversible Ratcheting Combination Wrench Set, SAE, in Plastic Tray

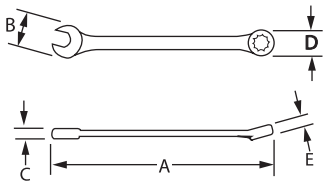
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
1226RC	13/16	1230RC	15/16
1228RC	7/8	1232RC	1

Features

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.

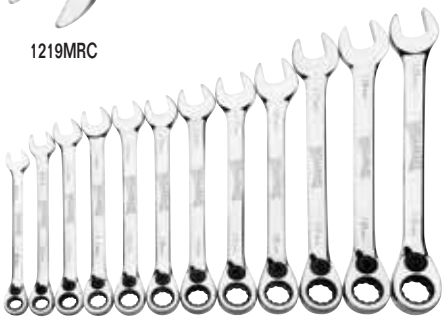

WS-1164RC



⚠WARNING



1219MRC



MWS-12RC



MWS-4RC

WILLIAMS®

12 M

REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1206MRC	6	4 1/2	21/32	5/32	21/32	1/4
1208MRC	8	5 1/4	23/32	3/16	23/32	9/32
1209MRC	9	5 7/8	13/16	5/32	25/32	5/16
1210MRC	10	6 1/4	7/8	7/32	7/8	11/32
1211MRC	11	6 5/8	15/16	7/32	29/32	11/32
1212MRC	12	6 13/16	1	7/32	31/32	3/8
1213MRC	13	7	1 1/32	1/4	1	13/32
1214MRC	14	7 3/8	1 3/16	1/4	1 3/32	13/32
1215MRC	15	7 3/4	1 1/4	9/32	1 5/32	7/16
1216MRC	16	8 3/16	1 11/32	9/32	1 7/32	7/16
1217MRC	17	9	1 7/16	9/32	1 9/32	1/2
1218MRC	18	9 3/8	1 17/32	5/16	1 3/8	15/32
1219MRC	19	9 3/4	1 17/32	11/32	1 7/16	17/32
1221MRC	21	10 3/4	1 23/32	3/8	1 9/16	9/16
1222MRC	22	11 1/4	1 27/32	3/8	1 21/32	19/32
1224MRC	24	12	1 31/32	15/32	1 27/32	5/8
1225MRC	25	12 31/32	2 3/32	15/32	1 7/8	5/8

MWS-12RC 12 Piece Reversible Ratcheting Combination Wrench Set, Metric, in Plastic Tray

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1208MRC	8	1212MRC	12	1216MRC	16
1209MRC	9	1213MRC	13	1217MRC	17
1210MRC	10	1214MRC	14	1218MRC	18
1211MRC	11	1215MRC	15	1219MRC	19

MWS-4RC 4 Piece Reversible Ratcheting Combination Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
1221MRC	21	1224MRC	24
1222MRC	22	1225MRC	25

Features

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



WS-4RWA

WILLIAMS®

4 PIECE RATCHETING ADAPTOR SET

Product Code	Description
WS-4RWA	4 Piece Ratcheting Adaptor Set

Contents Include:

Description	Description
1/4" Drive male Adaptor	3/8" Drive Male Adaptor
1/4" Hex Shank Coupler	1/2" Drive Male Adaptor

Features

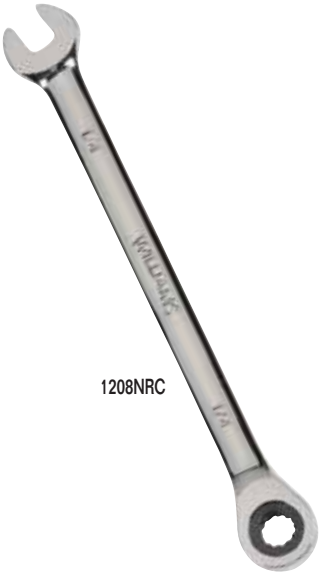
- Converts a ratcheting wrench into a ratchet.
- To be used with Ratcheting Combination Wrenches
- Allows the use of hex bits, 1/4", 3/8", 1/2" Drive Sockets
- Adaptor locks into the wrench by twisting the top cap.
- Push-button socket release

WILLIAMS®

COMBINATION RATCHETING WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208NRC	1/4"	5 1/3	3/4	1/4	3/4	1/4
1210NRC	5/16"	5 1/3	3/4	1/4	3/4	1/4
1212NRC	3/8"	6 1/3	3/4	1/4	3/4	1/4
1214NRC	7/16"	6 1/2	1	1/4	3/4	1/4
1216NRC	1/2"	7	1	1/4	1	1/4
1218NRC	9/16"	7 1/2	1 1/4	1/3	1	1/4
1220NRC	5/8"	8 1/2	1 5/16	1/3	1 1/4	3/8
1222NRC	11/16"	9	1 1/2	1/3	1 5/16	3/8
1224NRC	3/4"	10	1 1/2	5/8	1 5/16	3/8
1226NRC	13/16"	11 1/4	1 3/4	5/8	1 5/8	1/2
1228NRC	7/8"	11 1/4	1 3/4	5/8	1 5/8	1/2
1230NRC	15/16"	13	2	5/8	1 3/4	1/2
1232NRC	1"	13	2	5/8	1 3/4	1/2
1234NRC	1 1/16"	14	2 1/8	1/2	2	1/2
1236NRC	1 1/8"	16 3/4	2 1/2	1/2	2 5/16	5/8
1238NRC	1 1/4"	16 3/4	2 1/2	1/2	2 5/16	5/8



1208NRC

Features

- 72-tooth gear requires only 5° of ratcheting arc to engage next gear
- High polish satin-chrome finish cleans easily & protects against corrosion
- Thin profile is perfect for tight clearances where accessibility is critical
- 12-point ratcheting box end allows for superior fastener engagement

WS-1120NRC 9 Piece Combination Wrench, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
1208NRC	1/4"	1218NRC	9/16"
1210NRC	5/16"	1220NRC	5/8"
1212NRC	3/8"	1222NRC	11/16"
1214NRC	7/16"	1224NRC	3/4"
1216NRC	1/2"		


WS-1120NRC

WS-1121NRC 11 Piece Combination Wrench, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (inches)	Product Code	Size (Inches)
1212NRC	3/8"	1220NRC	5/8"	1228NRC	7/8"
1214NRC	7/16"	1222NRC	11/16"	1230NRC	15/16"
1216NRC	1/2"	1224NRC	3/4"	1232NRC	1"
1218NRC	9/16"	1226NRC	13/16"		


WS-1121NRC

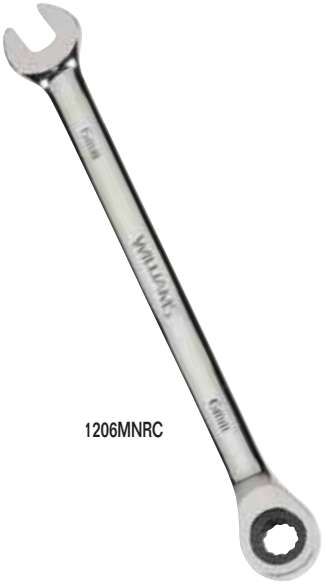
WS-1122NRC 16 Piece Combination Wrench, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1208NRC	1/4"	1220NRC	5/8"	1232NRC	1"
1210NRC	5/16"	1222NRC	11/16"	1234NRC	1 1/16"
1212NRC	3/8"	1224NRC	3/4"	1236NRC	1 1/8"
1214NRC	7/16"	1226NRC	13/16"	1238NRC	1 1/4"
1216NRC	1/2"	1228NRC	7/8"		
1218NRC	9/16"	1230NRC	15/16"		


WS-1122NRC

WARNING


1206MNRC

WILLIAMS®

12 M

COMBINATION RATCHETING WRENCHES

High Polish Chrome Finish, 12 Point, MM

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1206MNRC	6	5 3/8	3/4	1/4	1/4	1/4
1207MNRC	7	5 3/8	3/4	1/4	1/4	1/4
1208MNRC	8	5 3/8	3/4	1/4	1/4	1/4
1209MNRC	9	5 5/8	3/4	1/4	1/4	1/4
1210MNRC	10	6 1/2	7/8	1/4	7/8	1/4
1211MNRC	11	6 5/8	1	1/4	7/8	3/8
1212MNRC	12	6 7/8	1	1/4	1	3/8
1213MNRC	13	7 1/8	1	1/4	1	3/8
1214MNRC	14	7 5/8	1 1/4	3/8	1	3/8
1215MNRC	15	7 7/8	1 1/3	3/8	1	3/8
1216MNRC	16	8 1/2	1 1/3	3/8	1 1/4	3/8
1217MNRC	17	9 1/8	1 1/2	3/8	1 1/4	3/8
1218MNRC	18	9 3/8	1 1/2	3/8	1 1/4	1/2
1219MNRC	19	9 7/8	1 5/8	3/8	1 1/4	1/2
1220MNRC	20	11	1 7/8	3/8	1 5/8	1/2
1221MNRC	21	11	1 7/8	3/8	1 5/8	1/2
1222MNRC	22	11	1 7/8	3/8	1 5/8	1/2
1223MNRC	23	11	1 7/8	3/8	1 5/8	1/2
1224MNRC	24	12 3/4	2	3/8	1 7/8	1/2
1225MNRC	25	12 3/4	2	3/8	1 7/8	1/2
1226MNRC	26	12 3/4	2	3/8	1 7/8	1/2
1227MNRC	27	14 1/8	2 1/8	1/2	2	1/2
1228MNRC	28	14 1/8	2 1/8	1/2	2	1/2
1230MNRC	30	16 3/4	2 1/2	1/2	2 3/8	5/8
1232MNRC	32	16 3/4	2 1/2	1/2	2 3/8	5/8


MWS-1123NRC

Features

- 72-tooth gear requires only 5° of ratcheting arc to engage next gear
- High polish satin-chrome finish cleans easily & protects against corrosion
- Thin profile is perfect for tight clearances where accessibility is critical
- 12-point ratcheting box end allows for superior fastener engagement

MWS-1123NRC 9 Piece Combination Wrench, in Pouch Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1206MNRC	6	1209MNRC	9	1212MNRC	12
1207MNRC	7	1210MNRC	10	1213MNRC	13
1208MNRC	8	1211MNRC	11	1214MNRC	14


MWS-1124NRC

MWS-1124NRC 14 Piece Combination Wrench, in Pouch Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1206MNRC	6	1210MNRC	10	1214MNRC	14	1218MNRC	18
1207MNRC	7	1211MNRC	11	1215MNRC	15	1219MNRC	19
1208MNRC	8	1212MNRC	12	1216MNRC	16		
1209MNRC	9	1213MNRC	13	1217MNRC	17		


MWS-1125NRC

MWS-1125NRC 19 Piece Combination Wrench, in Pouch Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1206MNRC	6	1211MNRC	11	1216MNRC	16	1221MNRC	21
1207MNRC	7	1212MNRC	12	1217MNRC	17	1222MNRC	22
1208MNRC	8	1213MNRC	13	1218MNRC	18	1223MNRC	23
1209MNRC	9	1214MNRC	14	1219MNRC	19	1224MNRC	24
1210MNRC	10	1215MNRC	15	1220MNRC	20		


MWS-1126NRC

MWS-1126NRC 25 Piece Combination Wrench, in Pouch Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1206MNRC	6	1211MNRC	11	1216MNRC	16	1221MNRC	21	1226MNRC	26
1207MNRC	7	1212MNRC	12	1217MNRC	17	1222MNRC	22	1227MNRC	27
1208MNRC	8	1213MNRC	13	1218MNRC	18	1223MNRC	23	1228MNRC	28
1209MNRC	9	1214MNRC	14	1219MNRC	19	1224MNRC	24	1230MNRC	30
1210MNRC	10	1215MNRC	15	1220MNRC	20	1225MNRC	25	1232MNRC	32

WILLIAMS®

STUBBY REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1210RCS	5/16	3 1/2	23/32	5/32	23/32	9/32
1212RCS	3/8	3 29/32	7/8	3/16	7/8	11/32
1214RCS	7/16	4	31/32	7/32	7/8	11/32
1216RCS	1/2	4 1/2	1 1/16	1/4	1	13/32
1218RCS	9/16	4 11/16	1 3/16	1/4	1 3/32	13/32
1220RCS	5/8	5	1 11/32	9/32	1 7/32	15/32
1222RCS	11/16	5 1/4	1 1/2	9/32	1 5/16	1/2
1224RCS	3/4	5 1/2	1 19/32	11/32	1 15/32	17/32



1216RCS

WS-1168RCS 8 Piece Reversible Stubby Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

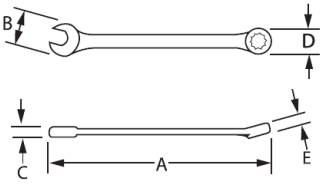
Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1210RCS	5/16	1216RCS	1/2	1222RCS	11/16
1212RCS	3/8	1218RCS	9/16	1224RCS	3/4
1214RCS	7/16	1220RCS	5/8		



WS-1168RCS

Features

- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



WILLIAMS®

STUBBY REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208MRCS	8	3 1/2	23/32	5/32	23/32	9/32
1209MRCS	9	3 3/4	13/16	5/32	3/4	5/16
1210MRCS	10	3 27/32	7/8	3/16	7/8	11/32
1211MRCS	11	4 1/8	31/32	7/32	29/32	11/32
1212MRCS	12	4 1/4	1	7/32	15/16	3/8
1213MRCS	13	4 1/2	1	1/4	1	13/32
1214MRCS	14	4 11/16	1 5/32	1/4	1 3/32	13/32
1215MRCS	15	4 29/32	1 1/4	9/32	1 5/32	7/16
1216MRCS	16	5	1 3/8	9/32	1 1/4	15/32
1217MRCS	17	5 5/32	1 7/16	9/32	1 9/32	1/2
1218MRCS	18	5 1/4	1 1/2	5/16	1 3/8	1/2
1219MRCS	19	5 1/2	1 9/16	11/32	1 15/32	17/32



1213MRCS

MWS-12RCS 12 Piece Reversible Stubby Ratcheting Combination Wrench Set, Metric, in Plastic Tray

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1208MRCS	8	1212MRCS	12	1216MRCS	16
1209MRCS	9	1213MRCS	13	1217MRCS	17
1210MRCS	10	1214MRCS	14	1218MRCS	18
1211MRCS	11	1215MRCS	15	1219MRCS	19



MWS-12RCS

Features

- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.

⚠WARNING


1037

WILLIAMS®

DOUBLE HEAD OPEN END WRENCHES

Chrome Satin Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Open End Width (Inches)	E Open End Thickness (Inches)
1020	1/4 x 5/16	4 1/16	9/16	5/32	11/16	3/16
1721	5/16 x 3/8	4 11/16	11/16	5/32	13/16	3/16
1723	3/8 x 7/16	5 5/16	13/16	3/16	15/16	7/32
1725	7/16 x 1/2	5 31/32	3/32	7/32	1 1/16	1/4
1725B	1/2 x 9/16	6 19/32	1 1/16	1/4	1 3/16	9/32
1727	9/16 x 5/8	7 9/32	1 3/16	9/32	1 5/16	9/32
1027B	5/8 x 11/16	7 31/32	1 5/16	5/16	1 7/16	5/16
1729	5/8 x 3/4	8 9/32	1 5/16	9/32	1 9/16	11/32
1729B	11/16 x 3/4	8 21/32	1 7/16	5/16	1 9/16	11/32
1731	3/4 x 13/16	9 11/32	1 9/16	11/32	1 11/16	3/8
1731A	3/4 x 7/8	9 11/16	1 19/32	11/32	1 27/32	3/8
1731B	13/16 x 7/8	10 1/32	1 11/16	3/8	1 13/16	3/8
1033A	7/8 x 15/16	10 3/4	1 13/16	3/8	1 15/16	13/32
1033C	15/16 x 1	11 1/2	1 15/16	13/32	2 1/32	13/32
1037	1 1/16 x 1 1/4	12 15/16	2 3/16	7/16	2 17/32	1/2
1037B	1 1/8 x 1 3/16	13 23/32	2 5/16	15/32	2 7/16	15/32
1038	1 1/4 x 1 5/16	15 9/32	2 9/16	1/2	2 11/16	17/32
1038A	1 3/8 x 1 7/16	16 7/8	2 13/16	17/32	2 15/16	17/32
1039B	1 1/2 x 1 5/8	18 29/32	3 1/16	9/16	3 5/16	19/32

Fed. Spec. ANSI B107.6


WS-1705A

WS-1705A 5 Piece Double Head Open End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1723	3/8 x 7/16	1727	9/16 x 5/8	1731B	13/16 x 7/8
1725B	1/2 x 9/16	1729B	11/16 x 3/4		

WS-1710A 10 Piece Double Head Open End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1020	1/4 x 5/16	1727	9/16 x 5/8	1037	1 1/16 x 1 1/4
1723	3/8 x 7/16	1729B	11/16 x 3/4	1037B	1 1/8 x 1 3/16
1725	7/16 x 1/2	1731B	13/16 x 7/8		
1725B	1/2 x 9/16	1033C	15/16 x 1		

Made in U.S.A.


WS-1710A

Features

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.

WILLIAMS®

15°-60° DOUBLE OPEN END ANGLE-HEAD WRENCHES

Chrome Satin Finish, SAE

Product Code	Size (Inches)	A Head Diameter	B Head Thickness	C Overall Length (Inches)
3712	3/8	25/32	7/32	4 3/4
3714	7/16	7/8	7/32	5
3716	1/2	1	7/32	5 1/2
3718	9/16	1 1/8	1/4	6
3720	5/8	1 3/16	9/32	6 1/4
3722	11/16	1 5/16	9/32	7
3724	3/4	1 7/16	9/32	7 1/4
3726	13/16	1 19/32	9/32	7 1/2
3728	7/8	1 21/32	9/32	8 1/4
3730	15/16	1 25/32	5/16	9 1/16
3732	1	1 15/16	5/16	9 3/4
3734	1 1/16	2 1/16	5/16	10
3736	1 1/8	2 1/4	5/16	11
3740	1 1/4	2 3/8	11/32	11 1/2
3744	1 3/8	2 11/16	13/32	12 1/2
3746	1 7/16	2 11/16	13/32	12 1/2
3748	1 1/2	2 11/16	13/32	12 1/2
3752	1 5/8	3 13/64	15/32	15 3/4
3754	1 11/16	3 11/32	1/2	16 1/2
3756	1 3/4	3 7/16	17/32	17
3758	1 13/16	3 9/16	17/32	17 3/4
3760	1 7/8	3 11/16	9/16	18 1/2
3764	2	3 15/16	19/32	19 1/4

Fed. Spec. ANSI B107.39 Type 2 Class 3


3732

3780 5 Piece Double Open End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
3712	3/8	3718	9/16
3714	7/16	3720	5/8
3716	1/2		


3780

3782 10 Piece Double Open End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
3712	3/8	3722	11/16
3714	7/16	3724	3/4
3716	1/2	3726	13/16
3718	9/16	3728	7/8
3720	5/8	3732	1


3782

Features

Made in U.S.A.

- Wrench heads are offset at 15° and 60° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin chrome finish provides good grip and cleans easily

WARNING


EWM-1618


MWS-26


MWS-31

WILLIAMS®

DOUBLE HEAD OPEN END WRENCHES

Chrome Satin Finish, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Open End Width (Inches)	E Open End Thickness (Inches)
EWM-0607	6 x 7	3 13/16	17/32	5/32	19/32	5/32
EWM-0708	7 x 8	4 3/16	19/32	5/32	11/16	3/16
EWM-0910	9 x 10	5	3/4	3/16	27/32	7/32
EWM-1011	10 x 11	5 3/8	27/32	7/32	15/16	7/32
EWM-1213	12 x 13	6 3/16	1	1/4	1 3/32	1/4
EWM-1415	14 x 15	7 1/32	1 1/32	9/32	1 1/4	9/32
EWM-1618	16 x 18	8 3/32	1 5/16	5/16	1 15/32	11/32
EWM-1719	17 x 19	8 17/32	1 13/32	5/16	1 9/16	11/32
EWM-2124	21 x 24	10 17/32	1 23/32	3/8	1 15/16	13/32
EWM-2224	22 x 24	10 3/4	1 13/16	3/8	1 15/16	13/32
EWM-2427	24 x 27	11 29/32	1 15/16	13/32	2 3/16	7/16
EWM-2730	27 x 30	13 5/16	2 3/16	7/16	2 7/16	15/32
EWM-3032	30 x 32	14 1/2	2 7/16	15/32	2 9/16	1/2

Fed. Spec. ANSI B107.9M

MWS-26 6 Piece Double Head Open End Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
EWM-0708	7 x 8	EWM-1213	12 x 13	EWM-1618	16 x 18
EWM-1011	10 x 11	EWM-1415	14 x 15	EWM-1719	17 x 19

MWS-31 10 Piece Double Head Open End Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
EWM-0607	6 x 7	EWM-1415	14 x 15	EWM-2427	24 x 27
EWM-0708	7 x 8	EWM-1618	16 x 18	EWM-2730	27 x 30
EWM-1011	10 x 11	EWM-1719	17 x 19		
EWM-1213	12 x 13	EWM-2124	21 x 24		

Features

Made in U.S.A.

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.


OES-1011


WS-1605

WILLIAMS®

SHORT DOUBLE HEAD OPEN END WRENCHES

Chrome Satin Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Open End Width (Inches)	E Open End Thickness (Inches)
OES-0607	3/16 x 7/32	2 27/32	13/32	1/8	15/32	1/8
OES-0809	1/4 x 9/32	3 5/32	1/2	1/8	9/16	1/8
OES-1011	5/16 x 11/32	3 7/16	5/8	5/32	11/16	1/8
OES-1214	3/8 x 7/16	3 3/4	3/4	5/32	29/32	1/8
OES-1618	1/2 x 9/16	4 11/32	1	3/16	1 1/8	3/16

Fed. Spec. ANSI B107.6

WS-1605 5 Piece Short Double Head Open End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
OES-0607	3/16 x 7/32	OES-1011	5/16 x 11/32	OES-1618	1/2 x 9/16
OES-0809	1/4 x 9/32	OES-1214	3/8 x 7/16		

Features

Made in U.S.A.

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.

WILLIAMS®

MINIATURE 15° x 80° DOUBLE HEAD OPEN END WRENCHES

Satin Chrome Finish, SAE

Product Code	Size (Inches)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Open End Width (Inches)	Open End Thickness (Inches)
1112A	3/16	3	1/2	7/64	1/2	7/64
1113A	13/64	3	1/2	7/64	1/2	7/64
1114A	7/32	3	1/2	7/64	1/2	7/64
1115A	15/64	3	1/2	7/64	1/2	7/64
1116A	1/4	3	1/2	7/64	1/2	7/64
1118A	9/32	3 1/2	5/8	9/64	5/8	9/64
1120A	5/16	3 1/2	5/8	9/64	5/8	9/64
1122A	11/32	3 3/4	3/4	9/64	3/4	9/64
1124A	3/8	3 3/4	3/4	9/64	3/4	9/64
1128A	7/16	4 7/16	7/16	11/64	7/16	11/64
1132A	1/2	4 7/16	7/16	11/64	7/16	11/64
1136A	9/16	5 3/4	1 5/32	13/64	1 5/32	13/64
1140A	5/8	5 3/4	1 5/32	13/64	1 5/32	13/64


1128A

Features

- Wrench heads are offset at 15° and 80° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin finish provides corrosion resistance and slip resistant grip.
- Excellent for fast turning of fasteners in limited clearance areas.
- Each wrench has the same size opening at both ends.


WS-1108SP

WS-1108SP 8 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1114A	7/32	1118A	9/32	1124A	3/8
1115A	15/64	1120A	5/16	1128A	7/16
1116A	1/4	1122A	11/32		


WS-1113CA

WS-1113CA 10 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1112A	3/16	1116A	1/4	1124A	3/8
1113A	13/64	1118A	9/32	PL-1519C	5" SUPERJOINT® Utility Pliers
1114A	7/32	1120A	5/16		
1115A	15/64	1122A	11/32		

WS-1142PCA 14 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1112A	3/16	1118A	9/32	1132A	1/2
1113A	13/64	1120A	5/16	1136A	9/16
1114A	7/32	1122A	11/32	1140A	5/8
1115A	15/64	1124A	3/8	PL-1519C	5" SUPERJOINT® Utility Pliers
1116A	1/4	1128A	7/16		

USA
Made in U.S.A.


WS-1142PCA

⚠WARNING

WILLIAMS

MINIATURE 15° x 80° DOUBLE HEAD OPEN END WRENCHES

Satin Chrome Finish, MM

Product Code	Size (MM)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Open End Width (Inches)	Open End Thickness (Inches)
1104MM	4	3	1/2	7/64	1/2	7/64
1105MM	5	3	1/2	7/64	1/2	7/64
1105.5MM	5.5	3	1/2	7/64	1/2	7/64
1106MM	6	3	1/2	7/64	1/2	7/64
1107MM	7	3 1/2	5/8	9/64	5/8	9/64
1108MM	8	3 1/2	5/8	9/64	5/8	9/64
1109MM	9	3 3/4	3/4	9/64	3/4	9/64
1110MM	10	4 7/16	7/16	11/64	7/16	11/64
1111MM	11	4 7/16	7/16	11/64	7/16	11/64
1112MM	12	4 7/16	7/16	11/64	7/16	11/64
1113MM	13	4 7/16	7/16	11/64	7/16	11/64
1114MM	14	5 3/4	1 5/32	13/64	1 5/32	13/64
1115MM	15	5 3/4	1 5/32	13/64	1 5/32	13/64
1116MM	16	5 3/4	1 5/32	13/64	1 5/32	13/64



MWS-1110

Features

- Wrench heads are offset at 15° and 80° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin finish provides corrosion resistance and slip resistant grip.

MWS-1110 10 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1104MM	4	1107MM	7	1111MM	11
1105MM	5	1108MM	8	PL-1519C	5" SUPERJOINT Utility Pliers
1105.5MM	5.5	1109MM	9		
1106MM	6	1110MM	10		

MWS-1115 15 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1104MM	4	1108MM	8	1113MM	13
1105MM	5	1109MM	9	1114MM	14
1105.5MM	5.5	1110MM	10	1115MM	15
1106MM	6	1111MM	11	1116MM	16
1107MM	7	1112MM	12	PL-1519C	5" SUPERJOINT Utility Pliers

USA Made in U.S.A.



MWS-1115

WILLIAMS®

30° SERVICE WRENCHES, SAE (F)

Satin Chrome Finish, SAE

Product Code	Size (Inches)	Overall Length (Inches)	Head Diameter	Head Thickness
3524	3/4	6 1/4	1 11/16	1/4
3526	13/16	6 1/4	1 11/16	1/4
3528	7/8	6 1/4	1 11/16	1/4
3530	15/16	6 7/8	1 7/8	1/4
3532	1	6 7/8	1 7/8	1/4
3534	1 1/16	6 7/8	1 7/8	1/4
3536	1 1/8	7	2 1/16	1/4
3538	1 3/16	7	2 1/16	1/4
3540	1 1/4	7	2 1/16	1/4
3542	1 5/16	7 5/8	2 1/2	9/32
3544	1 3/8	7 5/8	2 1/2	9/32
3546	1 7/16	7 5/8	2 1/2	9/32
3548	1 1/2	7 5/8	2 1/2	9/32
3550	1 9/16	7 5/8	2 5/8	9/32
3552	1 5/8	7 5/8	2 5/8	9/32
3554	1 11/16	7 5/8	2 5/8	9/32
3556	1 3/4	8 1/2	3 1/8	5/16
3558	1 13/16	8 1/2	3 1/8	5/16
3560	1 7/8	8 1/2	3 1/8	5/16
3562	1 15/16	8 1/2	3 1/8	5/16
3564	2	8 1/2	3 1/2	5/16
3568	2 1/8	8 1/2	3 1/2	5/16
3572	2 1/4	8 1/2	3 1/2	5/16
3576	2 3/8	9 1/2	3 1/2	5/16

Fed. Spec: GGG-W-636E Type 17 Class 3



3542

WS-3510 10 Piece Service Wrench Set, SAE in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
3524	3/4	3532	1	3538	1 3/16
3526	13/16	3534	1 1/16	3540	1 1/4
3528	7/8	3536	1 1/8	3544	1 3/8
3530	15/16				



WS-3510

30° SERVICE WRENCHES, METRIC (M)

Satin Chrome Finish, Metric

Product Code	Size (Inches)	Overall Length (Inches)	Head Diameter	Head Thickness
3519M	19	6 1/4	1 11/16	1/4
3521M	21	6 1/4	1 11/16	1/4
3522M	22	6 1/4	1 11/16	1/4
3524M	24	6 7/8	1 7/8	1/4
3527M	27	6 7/8	1 7/8	1/4
3530M	30	7	2 1/16	1/4
3532M	32	7	2 1/16	1/4
3536M	36	7 5/8	2 1/2	9/32
3537M	37	7 5/8	2 1/2	9/32
3538M	38	7 5/8	2 1/2	9/32
3540M	40	7 5/8	2 5/8	9/32
3541M	41	7 5/8	2 5/8	9/32
3542M	42	7 5/8	2 5/8	9/32
3544M	44	7 5/8	2 5/8	9/32
3546M	46	8 1/2	3 1/8	5/16
3548M	48	8 1/2	3 1/8	5/16
3550M	50	8 1/2	3 1/8	5/16
3552M	52	8 1/2	3 1/2	5/16
3555M	55	8 1/2	3 1/2	5/16
3560M	60	9 1/2	3 1/2	5/16
3565M	65	9 1/2	3 1/2	5/16

Fed. Spec: GGG-W-636E Type 17 Class 3



3537M

MWS-3510 10 Piece Service Wrench Set, MM in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
3519M	19	3527M	27	3536M	36
3521M	21	3530M	30	3538M	38
3522M	22	3532M	32	3540M	40
3524M	24				

Features

- Ultra thin pattern for use on jam nuts and access to confined areas
- 30° offset head
- Satin chrome finish

Made in U.S.A.



MWS-3510

⚠WARNING

WILLIAMS

12 F

DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
7723	3/8 x 7/16	7 5/8	19/32	5/16	21/32	11/32
7725B	1/2 x 9/16	8 11/16	3/4	3/8	27/32	3/8
7727A	5/8 x 11/16	10 5/32	29/32	7/16	1	15/32
7029B	11/16 x 3/4	10 15/16	1	15/32	1 3/32	1/2
7731A	3/4 x 7/8	12 1/32	1 3/32	1/2	1 1/4	9/16
7731B	13/16 x 7/8	12 13/32	1 3/16	17/32	1 1/4	9/16
7033C	15/16 x 1	14 1/8	1 11/32	19/32	1 7/16	5/8
7038	1 1/8 x 1 3/16	16 3/32	1 19/32	11/16	1 11/16	11/16
7039B	1 1/4 x 1 5/16	17 5/8	1 25/32	23/32	1 27/32	3/4

Fed. Spec. ANSI B107.6



7725B

WS-7707 7 Piece Double Head 10° Offset Box End Wrench Set, SAE, in Pouch

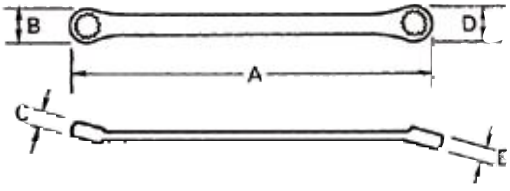
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
7723	3/8 x 7/16	7029B	11/16 x 3/4	7033C	15/16 x 1
7725B	1/2 x 9/16	7731A	3/4 x 7/8		
7727A	5/8 x 11/16	7731B	13/16 x 7/8		

USA Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.





WS-7707

DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
BWM-0810	8 x 10	7 5/16	1/2	9/32	19/32	5/16
BWM-1011	10 x 11	7 31/32	19/32	5/16	21/32	11/32
BWM-1012	10 x 12	8 3/16	19/32	5/16	23/32	11/32
BWM-1113	11 x 13	8 5/8	21/32	11/32	25/32	3/8
BWM-1213	12 x 13	8 27/32	25/32	11/32	25/32	3/8
BWM-1214	12 x 14	9 1/16	23/32	11/32	13/16	13/32
BWM-1315	13 x 15	9 1/2	25/32	3/8	7/8	13/32
BWM-1415	14 x 15	9 3/4	13/16	13/32	7/8	13/32
BWM-1417	14 x 17	9 25/32	13/16	13/32	31/32	15/32
BWM-1618	16 x 18	10 27/32	15/16	7/16	1 1/32	15/32
BWM-1719	17 x 19	11 9/32	31/32	15/32	1 3/32	1/2
BWM-1821	18 x 21	11 15/16	1 3/32	15/32	1 3/16	17/32
BWM-1922	19 x 22	12 3/8	1 3/32	1/2	1 1/4	9/16
BWM-2124	21 x 24	13 1/4	1 3/16	17/32	1 11/32	19/32
BWM-2224	22 x 24	13 15/32	1 1/4	9/16	1 11/32	19/32
BWM-2427	24 x 27	14 19/32	1 11/32	19/32	1 17/32	21/32
BWM-2730	27 x 30	15 29/32	1 17/32	21/32	1 11/16	11/16
BWM-3032	30 x 32	17 1/32	1 11/16	11/16	1 25/32	23/32

Fed. Spec. ANSI B107.9M



BWM-1012

MWS-BWM10 10 Piece Double Head 10° Offset Box End Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BWM-0810	8 x 10	BWM-1618	16 x 18	BWM-2730	27 x 30
BWM-1113	11 x 13	BWM-1719	17 x 19	BWM-3032	30 x 32
BWM-1214	12 x 14	BWM-1922	19 x 22		
BWM-1415	14 x 15	BWM-2124	21 x 24		



MWS-BWM10

MWS-BWM12 12 Piece Double Head 10° Offset Box End Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BMW-1011	10 x 11	BWM-1417	14 x17	BWM-1922	19 x 22
BWM-1214	12 x 14	BWM-1618	16 x 18	BWM-2224	22 x 24
BWM-1315	13 x 15	BWM-1719	17 x 19	BWM-2730	27 x 30
BWM-1415	14 x 15	BWM-1821	18 x 21	BWM-3032	30 x 32

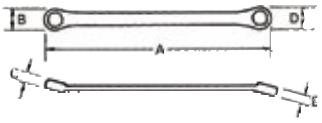
Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.



MWS-BWM12



⚠WARNING



8725B



WS-8707

WILLIAMS

12 F

DOUBLE HEAD 60° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
8720	1/4 x 5/16	6 7/16	13/32	1/4	15/32	9/32
8723	3/8 x 7/16	7 5/8	9/16	5/16	21/32	5/16
8725	7/16 x 1/2	8 3/16	21/32	11/32	3/4	11/32
8725B	1/2 x 9/16	8 25/32	3/4	3/8	27/32	3/8
8727	9/16 x 5/8	9 3/8	27/32	13/32	29/32	13/32
8727A	5/8 x 11/16	9 31/32	29/32	7/16	1	7/16
8729	5/8 x 3/4	10 1/4	15/16	7/16	1 3/32	7/16
8729A	11/16 x 13/16	10 27/32	1	15/32	1 3/16	15/32
8731A	3/4 x 7/8	11 7/16	1 3/32	17/32	1 9/32	17/32
8033A	7/8 x 15/16	13	1 9/32	9/16	1 3/8	9/16
8033C	15/16 x 1	13 31/32	1 3/8	19/32	1 7/16	19/32

Fed. Spec. ANSI B107.6

WS-8707 7 Piece Double Head 60° Offset Box End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
8720	1/4 x 5/16	8729	5/8 x 3/4	8033C	15/16 x 1
8723	3/8 x 7/16	8729A	11/16 x 13/16		
8725B	1/2 x 9/16	8731A	3/4 x 7/8		

USA Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 60° offset box end allows extra knuckle and bolt clearance in tight areas.
- Sizes are clearly marked on handle ends.



RB-52

WILLIAMS

12 F

SINGLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	Product Code	Size (Inches)	A Overall Length (Inches)
RB-42	1 5/16	15 1/2	RB-54	1 11/16	19
RB-44	1 3/8	15 1/2	RB-56	1 3/4	19
RB-46	1 7/16	15 1/2	RB-58	1 13/16	19
RB-48	1 1/2	15 1/2	RB-60	1 7/8	19
RB-50	1 9/16	15 1/2	RB-64	2	19
RB-52	1 5/8	15 1/2	RB-68	2 1/8	19

USA Made in U.S.A.

Features

- Combines the quick ratcheting action with opening sizes large enough to handle most industrial applications.
- Requires less effort than a conventional combination wrench.
- All wrenches contain 12-point Torque Grip® wheels.
- Ideal for long "bolt-through" applications.
- Turn wrench over to change direction.

WILLIAMS®

SINGLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	Product Code	Size (MM)	A Overall Length (Inches)
RBM-22	22	12	RBM-27	27	12
RBM-23	23	12	RBM-29	29	12
RBM-24	24	12	RBM-30	30	12
RBM-25	25	12	RBM-32	32	15½
RBM-26	26	12	RBM-36	36	15½

Made in U.S.A.

Features

- Combines the quick ratcheting action with opening sizes large enough to handle most industrial applications.
- Requires less effort than a conventional combination wrench.
- All wrenches contain 12-point Torque Grip® wheels.
- Ideal for long "bolt-through" applications.
- Turn wrench over to change direction.



RBM-52

WILLIAMS®

DOUBLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 6 & 12 Point, SAE

Product Code	Number of Points	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
RB-810	6	¼ x 5/16	4 ¼	19/32	3/8	11/16	3/8
RB-1214	6	3/8 x 7/16	5 ½	25/32	3/8	7/8	3/8
RB-1618	6	½ x 9/16	6 ¾	1	½	1 5/32	½
RB-1820	12	9/16 x 5/8	8 ⅛	1 5/16	½	1 7/16	½
RB-2022	12	5/8 x 11/16	8 ⅛	1 5/16	½	1 7/16	½
RB-2024	12	5/8 x ¾	8 ⅛	1 5/16	½	1 7/16	½
RB-2428	12	¾ x 7/8	9 ¼	1 13/32	½	1 9/16	½
RB-3036	12	15/16 x 1 ⅛	15 ⅛	1 21/32	9/16	2 9/32	9/16
RB-3440	12	1 1/16 x 1 ¼	15 ⅛	1 29/32	9/16	2 9/32	9/16



RB-1618

WS-12 5 Piece Ratcheting Box Wrench Set, 6 & 12 Point, SAE, in Pouch

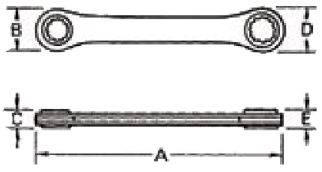
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
RB-810	¼ x 5/16	RB-1618	½ x 9/16	RB-2428	¾ x 7/8
RB-1214	3/8 x 7/16	RB-2022	5/8 x 11/16		

Made in U.S.A.

Features

- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.
- Flat handle allows access to tight clearance areas.
- Turn wrench over to change direction.





WS-12

⚠WARNING



RBM-1314



MWS-30

WILLIAMS

DOUBLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 6 & 12 Point, Metric

Product Code	Number of Points	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
RBM-0708	6	7 x 8	4 1/2	11/16	3/8	11/32	3/8
RBM-0910	6	9 x 10	5 1/2	7/8	3/8	7/8	3/8
RBM-1112	6	11 x 12	6 7/8	1 3/16	1/2	1 1/8	1/2
RBM-1314	6	13 x 14	6 7/8	1 3/16	1/2	1 1/8	1/2
RBM-1517	12	15 x 17	8 1/8	1 7/16	1/2	1 7/16	1/2
RBM-1618	12	16 x 18	8 1/8	1 7/16	1/2	1 7/16	1/2
RBM-1921	12	19 x 21	9 1/4	1 9/16	1/2	1 9/16	1/2

MWS-30 5 Piece Ratcheting Box Wrench Set, 6 & 12 Point, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
RBM-0708	7 x 8	RBM-1112	11 x 12	RBM-1517	15 x 17
RBM-0910	9 x 10	RBM-1314	13 x 14		

Features

- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.
- Flat handle allows access to tight clearance areas.
- Turn wrench over to change direction.

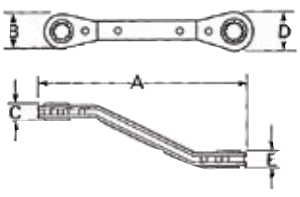
Made in U.S.A.



RBO-1618



WS-5



WILLIAMS

DOUBLE HEAD 25° REVERSIBLE OFFSET RATCHETING BOX WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
RBO-810	1/4 x 5/16	4 1/4	19/32	3/8	21/32	3/8
RBO-1214	3/8 x 7/16	5 7/16	25/32	3/8	7/8	3/8
RBO-1618	1/2 x 9/16	6 3/4	1	1/2	1 5/32	1/2
RBO-2022	5/8 x 11/16	8	1 5/16	1/2	1 7/16	1/2
RBO-2024	5/8 x 3/4	8	1 5/16	1/2	1 7/16	1/2
RBO-2226	11/16 x 13/16	9 1/8	1 13/32	1/2	1 9/16	1/2
RBO-2428	3/4 x 7/8	9 1/8	1 13/32	1/2	1 9/16	1/2
RBO-2630	13/16 x 15/16	9 1/8	1 13/32	1/2	1 9/16	1/2

WS-5 5 Piece Reversible Offset Ratcheting Box Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
RBO-810	1/4 x 5/16	RBO-1618	1/2 x 9/16	RBO-2428	3/4 x 7/8
RBO-1214	3/8 x 7/16	RBO-2022	5/8 x 11/16		

Features

- 25° offset handle clears obstructions that flat handle wrenches cannot.
- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.

Made in U.S.A.

WILLIAMS®

RATCHETING FLARE NUT WRENCHES

Black Industrial Finish, 12 Point, SAE

Product Code	Size (Inches)	Overall Length (Inches)	Head Diameter (Inches)	Head Thickness (Inches)
RFW-12	3/8	5 3/8	1	5/16
RFW-14	7/16	5 3/8	1	5/16
RFW-16	1/2	5 3/8	1	5/16
RFW-18	9/16	7 1/4	1 1/32	3/8
RFW-20	5/8	7 1/4	1 1/32	3/8
RFW-22	11/16	7 1/4	1 1/32	3/8
RFW-24	3/4	7 1/4	1 1/32	3/8
RFW-26	13/16	9 5/16	1 5/8	1/2
RFW-28	7/8	9 5/16	1 5/8	1/2
RFW-30	15/16	9 5/16	1 5/8	1/2
RFW-32	1	9 5/16	1 5/8	1/2

Made in U.S.A.


RFW-24

Features

- Designed for use on 6 and 12 point tube fittings, fasteners, valves and compression fittings.
- Unique design requires only 30° rotation for ratcheting action.
- High carbon steel jaws snap open, then close around fastener with 6 point contact.
- Prevents distortion of thin-walled fitting.
- Allow easy access to tight locations.

WILLIAMS®

DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)
XFN-0810	1/4 x 5/16	4 27/32	19/32	1/4	5/8	9/32
XFN-1214	3/8 x 7/16	5 13/16	25/32	5/16	27/32	11/32
XFN-1618	1/2 x 9/16	6 13/16	15/16	3/8	1	13/32
XFN-2022	5/8 x 11/16	7 3/4	1 3/32	7/16	3/16	15/32
XFN-2432	3/4 x 1	9 1/2	1 1/4	1/2	19/32	5/8
XFN-2836	7/8 x 1 1/8	10.5	1 7/16	9/16	1 3/4	11/16



XFN-1618

Fed. Spec.: ANSI B107.6

WS-14 5 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
XFN-1214	3/8 x 7/16	XFN-2022	5/8 x 11/16	XFN-2836	7/8 x 1 1/8
XFN-1618	1/2 x 9/16	XFN-2432	3/4 x 1		

Made in U.S.A.


WS-14

Features

- Will not mar fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.

⚠WARNING



10600



11690



11691

WILLIAMS

6 F

DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)
10600	3/8 x 7/16	6	27/32	11/32	15/16	11/32
10602	1/2 x 9/16	6 3/4	15/16	13/32	1	13/32
10604	5/8 x 11/16	7 3/4	1 3/32	7/16	1 3/16	15/32
10606	3/4 x 7/8	8 5/8	1 9/32	0.5	1 13/32	17/32

Fed. Spec.: ANSI B107.6

11690 4 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
10600	3/8 x 7/16	10604	5/8 x 11/16
10602	1/2 x 9/16	10606	3/4 x 7/8

11691 3 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
10600	3/8 X 7/16	10604	5/8 X 11/16
10602	1/2 X 9/16		

Features

- Will not mar fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.



10650



11692

WILLIAMS

6 M

DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)
10650	9 x 11	5 11/16	13/16	11/32	15/16	5/16
10652	10 x 12	6 1/8	7/8	3/8	29/32	5/16
10654	13 x 14	6 7/8	1	3/8	1 3/32	3/8
10656	15 x 17	7 7/8	1 1/16	7/16	1 7/32	1/2
10658	19 x 21	8 7/8	1 9/32	1/2	1 13/32	17/32

Fed. Spec.: ANSI B107.9M

11692 5 Piece Double Head Flare Nut Wrench Set, 6 Point, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
10650	9 x 11	10654	13 x 14	10658	19 x 21
10652	10 x 12	10656	15 x 17		

Features

- Will not damage fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.

BIG-MOUTH ERGO® ADJUSTABLE WRENCHES

Designed According to Bahco's Scientific 11-Step Ergonomic Design Program

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Jaw Tip Thickness (Inches)
Chrome Finish:				
9031 RC US	8	1 1/2	1/2	1/4
Black Phosphate Finish:				
9029 R US	6	1 1/4	1/2	3/16
9031 R US	8	1 1/2	1/2	1/4
9033 R US	10	1 3/4	5/16	3/4
9035 R US	12	2 3/16	3/8	7/8
Thin Jaw Wide Mouth:				
9029 RT US	6	1 1/4	11/64	1/4
9031 RT US	8	1 1/2	11/64	1/4

Features

- Extra-wide opening jaws with shorter handle for maximum access in confined areas.
- True ergo® design, with thermoplastic handle and larger grip width.
- Ideal for plumbers, electricians, and maintenance workers.
- Slim head with tapered jaws combine easy accessibility with extra turning strength.
- Perfect for working under the sink, within enclosures, or anywhere that a short handle is needed.
- Thin Jaw Wide Mouth - 45% wider opening and 45% thinner jaw



9031 RC US



9029 R US



9031 R US

ERGO® COMBINATION ADJUSTABLE/PIPE WRENCHES

Designed According to Bahco's Scientific 11-Step Ergonomic Design Program

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Max Pipe Diameter (Inches)
Chrome Finish:				
9070 RPC US	6	13/16	7/16	3/8
9071 RPC US	8	1 1/16	1/2	1/2
9072 RPC US	10	1 5/16	5/8	5/8
9073 RPC US	12	1 5/16	11/16	11/16
Black Phosphate Finish:				
9070 RP US	6	13/16	7/16	3/8
9071 RP US	8	1 1/16	1/2	1/2
9072 RP US	10	1 5/16	5/8	5/8
9073 RP US	12	1 5/16	11/16	11/16
Wide Mouth:				
9031 RP US	8	1 1/2	1/2	1 1/2

Features

- Unique reversible jaw combines the functions of an adjustable and pipe wrenches. Simply reverse the jaw to change the grip.
- Teeth are aggressively angled to provide maximum gripping power.
- True ergo® design, with thermoplastic handle and larger grip width.
- Ideal for plumbers, electricians, and maintenance workers.
- Slim head with tapered jaws combine easy accessibility with extra turning strength.



9072 RPC US



9072 RP US

⚠WARNING





BAHCO

ERGO® ADJUSTABLE WRENCHES

Designed According to Bahco's Scientific 11-Step Ergonomic Design Program

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Jaw Tip Thickness (Inches)
Chrome Finish:				
9070 RC US	6	3/4	7/16	3/16
9071 RC US	8	1 1/16	1/2	1/4
9072 RC US	10	1 3/16	5/8	5/16
9073 RC US	12	1 5/16	11/16	7/16
Black Phosphate Finish:				
9070 R US	6	3/4	7/16	3/16
9071 R US	8	1 1/16	1/2	1/4
9072 R US	10	1 3/16	5/8	5/16
9073 R US	12	1 5/16	11/16	7/16

Features

- True ergo® design, with thermoplastic handle and larger grip width.
- Ideal for plumbers, electricians, and maintenance workers.
- Slim head with tapered jaws combine easy accessibility with extra turning strength.
- Precision hardened and anti-corrosion treated.
- Measurement scale on head conveniently shows fastener size.







BAHCO

ADJUSTABLE WRENCHES

Industrial Grade Steel Handles

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Jaw Tip Thickness (Inches)
Chrome Finish:				
8069 RC US	4	1/2	3/8	1/8
8070 RC US	6	3/4	7/16	3/16
8071 RC US	8	1 1/16	1/2	1/4
8072 RC US	10	1 1/8	5/8	5/16
8073 RC US	12	1 5/16	11/16	7/16
8074 RC US	15	1 11/16	13/16	9/16
8075 RC US	18	2 1/16	7/8	11/16
Black Phosphate Finish:				
8069 R US	4	1/2	3/8	1/8
8070 R US	6	3/4	7/16	3/16
8071 R US	8	1 1/16	1/2	1/4
8072 R US	10	1 1/8	5/8	5/16
8073 R US	12	1 5/16	11/16	7/16
8074 R US	15	1 11/16	13/16	9/16
8075 R US	18	2 1/16	7/8	11/16
86	24	2 7/16	1 1/16	1 1/16
87	30	3 5/16	1 3/16	1 3/16

80RCUS3 3 Piece Chrome Finish Adjustable Wrench Set, in Pouch

Contents Include:

Product Code	Size	Product Code	Size
8070 RC US	6	8072 RC US	10
8071 RC US	8		

80RUS3 3 Piece Black Phosphate Finish Adjustable Wrench Set, in Pouch

Contents Include:

Product Code	Size	Product Code	Size
8070 R US	6	8072 R US	10
8071 R US	8		

Features

- Slim head with tapered jaws combine easy accessibility with extra turning strength.
- Measurement scale on head conveniently shows fastener size (except for 24" and 30" wrenches).
- Precision hardened and anti-corrosion treated.

ADJUSTABLE WRENCH WITH VALVE PERSUADER

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Valve Wheel Wrench Opening
33HRUS	10	1 ¾	¾

Features

- Two tools combined into one convenient operator's tool that can be used wherever valves are adjusted for flow and pressure
- 10" overall length supplies leverage while being compact enough to be easily carried.
- Big-mouth adjustable wrench has large, 1 ¾" capacity.
- ¾" valve wheel wrench opening.
- Precision hardened and anti-corrosion treated.
- Easy to read size measurement scale: fractional on one side, metric on the other
- Rounded hook-end doesn't leave marks or scratches on the valve.
- Head combines slimness for accessibility with strength for performance.



33 HR US

ALLIGATOR ADJUSTABLE WRENCH

Industrial Grade Steel Handle, Black Phosphate Finish

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Jaw Tip Thickness (Inches)
31 R US	8	1 ¼	½	3/16

Features

- V-jaw on wrench has aggressively angled teeth for sure grip on pipes and rounded fasteners.
- Measurement scale on head conveniently shows fastener size.
- Slim head with tapered jaws combine easy accessibility with extra turning strength.
- Precision hardened and anti-corrosion treated.



31 R US

WARNING

BAHCO

Bahco Side Nut Adjustable Wrenches are members of the exclusive adjustable wrench system which allows the user to apply the highest torque values in adjustable wrenches at the same time benefiting from a very precise adjustment of the jaws. Exceeds torque requirement of both ISO and ASME standards. Perfect for heavy duty industrial users and mechanics who demand high torque resistance and fine jaw adjustment and alignment.

SIDE NUT ADJUSTABLE WRENCHES

Comfortable Non-Slip Thermoplastic Grip Handle



Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Jaw Tip Thickness (Inches)
Black Phosphate Finish				
9570US	6	3/4	1/2	1/4
9571US	8	1	9/16	5/16
9572US	10	1 1/4	5/8	3/8
9573US	12	1 1/2	11/16	1/2

Features:

- Heavy Duty adjustable wrench with side nut operating system
- Smooth movement and precision adjustment
- Head angle 15° provides better accessibility
- Measurement scale on head conveniently shows fastener size.

BAHCO

SIDE NUT ADJUSTABLE WRENCHES

Comfortable bigger and rounded handles



Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Jaw Tip Thickness (Inches)
Chrome Finish				
91CUS	6	3/4	1/2	1/4
92CUS	8	1 1/4	1/2	5/16
93CUS	10	1 3/8	5/8	5/16
94CUS	12	1 1/2	3/4	3/8
95CUS	15	2	1	1/2
96CUS	21	2 1/2	1 1/8	5/8
97CUS	30	3	1 1/2	1

Features

- Side nut adjustable wrenches for heavy duty applications
- Forged in one piece for better performance
- Head angle 15° provides better accessibility
- Measurement scale on head conveniently shows fastener size.

WILLIAMS®

ADJUSTABLE WRENCH

Chrome Finish

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
AP-4A	4	1/2	11/32
AP-6A	6	3/4	7/16
AP-8A	8	1	1/2
AP-10A	10	1 11/64	39/64
AP-12A	12	1 5/16	23/32
AP-15A	15	1 11/16	51/64
AP-18A	18	2 1/16	57/64
AP-24A	24	2 7/16	1 6/64



AP-10A

AP-3SET 3 Piece Chrome Adjustable Wrench Set, in Pouch

Made in U.S.A.

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
AP-6A	6	AP-8A	8	AP-10A	10



AP-3SET

Features

- Chrome plated finish allows for easy cleaning after each use.
- Serrated knurl is designed for quick and smooth adjustments.
- I-Beam designed handle provides strength and durability.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.

WILLIAMS®

ADJUSTABLE WRENCH

Black Finish

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
AB-4A	4	1/2	11/32
AB-6A	6	3/4	7/16
AB-8A	8	1	1/2
AB-10A	10	1 11/64	39/64
AB-12A	12	1 5/16	23/32
AB-15A	15	1 11/16	51/64
AB-18A	18	2 1/16	57/64
AB-24A	24	2 7/16	1 6/64



AB-10A

AB-3SET 3 Piece Black Adjustable Wrench Set, in Pouch

Made in U.S.A.

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
AB-6A	6	AB-8A	8	AB-10A	10



AB-3SET

Features

- Drop forged, heat treated industrial finish with satin finish handles for firm safe grip.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.

⚠WARNING



APC-10A

WILLIAMS®

ADJUSTABLE WRENCH

Comfort Grip

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
APC-6A	6	3/4	7/8
APC-8A	8	1	1/2
APC-10A	10	1 11/64	39/64
APC-12A	12	1 5/8	23/32

Features

Made in U.S.A.

- Comfort thermoplastic grips cushion the handle surface and stay comfortable even in extreme temperatures.
- Chrome plated finish allows for easy cleaning.
- Serrated knurl is designed for quick and smooth adjustments.
- I-Beam designed handle provides strength and durability.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.



13404A



13610A



13342



13642

WILLIAMS®

ADJUSTABLE WRENCHES

Heavy Duty Industrial Grade Adjustable Wrenches

Product Code	Overall Length (Inches)	Maximum Jaw Opening Not less Than (Inches)	Head Thickness (Inches)
Chrome Finish:			
13404A	4	11/16	3/8
13406A	6	15/16	7/16
13408A	8	1 1/8	9/16
13410A	10	1 5/16	11/16
13412A	12	1 1/2	13/16
13415A	15	2	1
13418A	18	2 3/8	1 3/16
13424A	24	2 3/4	1 7/16
Black Phosphate Finish:			
13604A	4	11/16	3/8
13606A	6	15/16	7/16
13608A	8	1 1/8	9/16
13610A	10	1 5/16	11/16
13612A	12	1 1/2	13/16
13615A	15	2	1
13618A	18	2 3/8	1 3/16
13624A	24	2 3/4	1 7/16

Fed. Spec.: ANSI B107.8M

13342A 4 Piece Chrome Adjustable Wrench Set, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
13406A	6	13410A	10
13408A	8	13412A	12

13642A 4 Piece Black Adjustable Wrench Set, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
13606A	6	13610A	10
13608A	8	13612A	12

Features

- Measurement scale on head conveniently shows fastener size.
- Wrench heads are fully polished for easy clean-up.
- Exceed ANSI specifications for strength.
- Precision hardened and anti-corrosion treated.
- Chrome Vanadium Steel.

WILLIAMS®

RATCHETING ADJUSTABLE WRENCHES

Comfort Grip

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
13106	6	13/16	7/16
13108	8	15/16	9/16
13110	10	1 3/16	11/16



13110

13343 3 Piece Set Ratcheting Adjustable Wrench Set, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
13106	6	13110	10
13108	8		



13343

Features

- Easy to use in limited space

WILLIAMS®

ADJUSTABLE CONSTRUCTION WRENCH

Heavy-Duty With Polished Head and Measurement Scales

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
13625A	15	1 1/2	23/32



13625A

Features

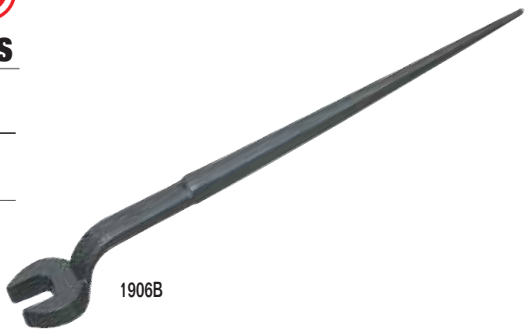
- Tapered spud handle locates and aligns bolts and rivets.
- Hole in handle permits tethering wrench for safety.
- Measurement scale on head conveniently shows fastener size.
- Economical black phosphate finish resists rust.

WILLIAMS®

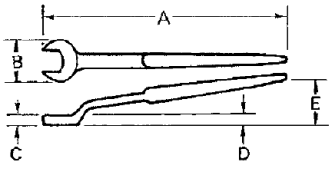
SINGLE HEAD OPEN END OFFSET STRUCTURAL WRENCHES

Industrial Black Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Handle Offset (Inches)
1904A	3/4	11 9/16	1 19/32	15/32	7/8
1905	7/8	14 5/16	2	9/16	1
1906	15/16	14 3/16	1 31/32	19/32	1
1906B	1	14 1/4	2	19/32	1
1907	1 1/16	16 13/16	2 5/32	5/8	1 1/8
1907A	1 1/8	16 13/16	2 1/4	5/8	1 1/8
1908	1 1/4	17 11/16	2 23/32	11/16	1 1/4
1908A	1 5/16	18 3/4	2 13/16	23/32	1 1/4
1909	1 7/16	19 3/4	3 5/32	25/32	1 1/4
1909A	1 1/2	19 7/8	3 5/32	25/32	1 1/2
1910	1 5/8	21 1/16	3 7/32	7/8	1 1/2
1911	1 13/16	23	3 3/4	1 3/4	1 5/8
1911A	1 7/8	22 13/16	3 25/32	31/32	1 5/8
1912	2	23 3/4	4 7/32	31/32	1 5/8



1906B

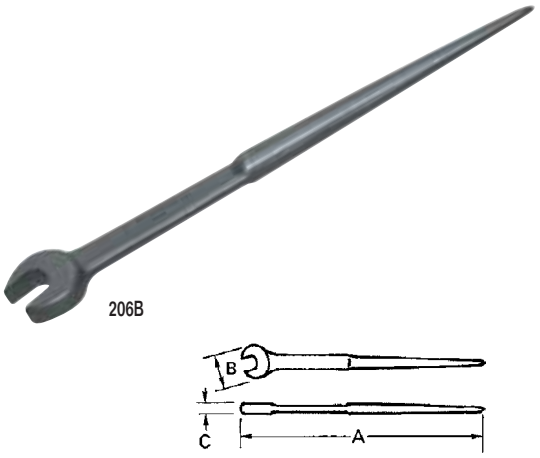


Features

- Long offset handle is designed for clearance of obstructions while providing greater leverage.
- Tapered spud handle locates and aligns bolt and rivet holes.

Made in U.S.A.

⚠WARNING



206B

WILLIAMS®

SINGLE HEAD OPEN END CONSTRUCTION WRENCHES

Industrial Black Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)
204A	3/4	12	1 23/32	15/32
205	7/8	14 1/4	2 1/16	19/32
206	15/16	14 3/4	2 1/8	19/32
206B	1	13 1/8	2 3/32	1/2
207	1 1/16	16 9/16	2 7/16	21/32
207A	1 1/8	17	2 9/16	11/16
Q-208	1 1/4	18 15/16	2 23/32	23/32
208A	1 5/16	19	2 27/32	3/4
209	1 7/16	21 1/8	3 3/8	27/32
209A	1 1/2	18 3/4	2 3/4	13/16
Q-210	1 5/8	22 11/16	3 21/32	7/8
211	1 13/16	25	4 1/2	1 1/32
211A	1 7/8	25 1/8	4 9/16	1 1/16

Features

- 15° open end provides two gripping angles when wrench is turned over.
- Tapered spud handle locates and aligns bolt and rivet holes.

Made in U.S.A.


8907A

WILLIAMS®

OFFSET STRUCTURAL BOX WRENCHES

Industrial Black Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Head Diameter (Inches)	C Offset at End
8905A	13/16	12	1 15/32	1 25/32
8905	7/8	12	1 15/32	1 25/32
8906	15/16	12	1 5/8	1 61/64
8906B	1	12	1 5/8	1 61/64
8907	1 1/16	15	1 53/64	2 9/64
8907A	1 1/8	15	1 53/64	2 9/64
8908	1 1/4	17	2 5/64	2 21/64
8908A	1 5/16	17	2 5/64	2 21/64
8909	1 7/16	21	2 3/8	2 3/4
8909A	1 1/2	21	2 3/8	2 3/4
8910	1 5/8	22	2 5/8	2 7/8
8910A	1 11/16	22	2 5/8	2 7/8
8911	1 13/16	23	2 29/32	3
8911A	1 7/8	23	2 29/32	3
8912	2	24 1/2	3 5/32	3 5/32
8913	2 3/16	26	3 15/32	3 1/2
8914	2 3/8	28	3 23/32	3 11/16
8915	2 9/16	30	3 29/32	3 13/16
8916	2 3/4	30	4 5/32	3 29/32

Fed. Spec: GGG-W-636E Type 9 Class 2

Made in U.S.A.

Features

- Offset from handle to permit clearance of obstructions
- Handles are tapered for insertion into bolt holes
- Industrial Black Finish

WILLIAMS®

TUBULAR WRENCH HANDLES

Industrial Black Finish

Product Code	Length (Inches)	Inside Handle Diameter (Inches)
13TH	13½	⅞
24TH	24	⅞
36TH	36	1⅛

Features

Made in U.S.A.

- For use with all Williams Tubular Handle Wrenches.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Tubular wrenches may be used without the handle to quickly run down nuts.



13TH

WILLIAMS®

OPEN END TUBULAR HANDLE WRENCHES

Industrial Black Finish, SAE / Metric

Product Code	Size (Inches)	Size (MM)	B Outside Head Diameter (Inches)	C Head Depth (Inches)	Assembled Length From Bolt Center (Inches) 13TH	Assembled Length From Bolt Center (Inches) 24TH	Fits Handle No.
1228TOE	⅞	-	1 15/16	½	19 ⅜	29 ⅞	13TH - 24TH
1230TOE	15/16	-	1 15/16	½	19 ⅜	29 ⅞	13TH - 24TH
1232TOE	1	-	2 5/16	9/16	20 5/32	30 21/32	13TH - 24TH
1234TOE	1 1/16	-	2 5/16	9/16	20 5/32	30 21/32	13TH - 24TH
1236TOE	1 ⅛	-	2 5/16	9/16	20 5/32	30 21/32	13TH - 24TH
1240TOE	1 ¼	32	2 11/16	⅝	21 5/32	31 21/32	13TH - 24TH
1242TOE	1 5/16	33	2 11/16	⅝	21 5/32	31 21/32	13TH - 24TH
1244TOE	1 ⅜	35	2 11/16	⅝	22	32 ½	13TH - 24TH
1246TOE	1 7/16	36	3 ⅛	11/16	22 1/16	32 9/16	13TH - 24TH
1248TOE	1 ½	38	3 ⅛	11/16	22 1/16	33 9/16	13TH - 24TH

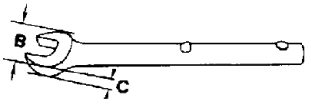
Features

Made in U.S.A.

- Unique, versatile design allows wrench to be used with or without optional handles.
- Tubular wrenches may be used without the handle to quickly run down nuts.
- The handle can then be attached to provide maximum turning power for final tightening or to reach otherwise inaccessible fasteners.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Open end wrench head provides access in tight areas.
- Sizes of both SAE and corresponding metric fasteners are shown.



1228TOE



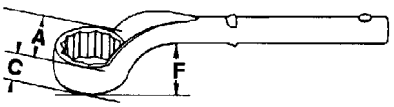
B = Outside Dia.
C = Head Depth

CDI 4004TQR and 6004TQR Split Beam Torque Wrenches accept the Williams Heavy Duty Tubular Wrenches that fit the 24TH handle. The length of the wrench head matches the effective length of the ratchet head and extender that come with the torque wrench, creating the same effective length. Removing the ratchet head and extender from the torque wrench and inserting the desired Heavy Duty Tubular wrench of choice (fitting 24TH handle) creates an expanded use interchangeable head system. The complete assortment of CDI Split Beam Torque Wrenches is found on page 112.

WARNING



1234TOB



A = Outside Dia.
C = Head Depth
F = Height of Offset

WILLIAMS®

12 F M

OFFSET BOX END TUBULAR HANDLE WRENCHES

Industrial Black Finish, 12 Point, SAE / Metric

			A	C	F			
Product Code	Size (Inches)	Size (MM)	Outside Head Diameter (Inches)	Head Depth (Inches)	Height of Offset (Inches)	Assembled Length From Bolt Center (Inches) 13TH	Assembled Length From Bolt Center (Inches) 24TH/36TH	Fits Handle No.
1234TOB	1 1/16	-	1 21/32	5/8	15/16	9 3/32	30 3/32	13TH - 24TH
1236TOB	1 1/8	-	1 7/8	23/32	1 1/16	9 7/32	30 7/32	13TH - 24TH
1240TOB	1 1/4	32	1 29/32	23/32	1 1/16	9 7/32	30 7/32	13TH - 24TH
1242TOB	1 5/16	33	2	27/32	1 1/8	11 1/2	32 1/2	13TH - 24TH
1244TOB	1 3/8	35	2 1/16	7/8	1 3/16	11 19/32	32 19/32	13TH - 24TH
1246TOB	1 7/16	36	2 5/32	7/8	1 1/4	11 19/32	32 19/32	13TH - 24TH
1248TOB	1 1/2	38	2 1/4	15/16	1 5/16	11 19/32	32 19/32	13TH - 24TH
1250TOB	1 9/16	40	2 5/16	15/16	1 5/16	11 19/32	32 19/32	13TH - 24TH
1252TOB	1 5/8	41	2 3/8	31/32	1 3/8	11 23/32	32 23/32	13TH - 24TH
1254TOB	1 11/16	43	2 19/32	1 1/16	1 7/16		43 9/32	36TH
1256TOB	1 3/4	44	2 5/8	1 1/16	1 1/2		43 9/32	36TH
1258TOB	1 13/16	46	2 23/32	1 1/8	1 9/16		43 13/32	36TH
1260TOB	1 7/8	47	2 3/4	1 1/8	1 5/8		43 13/32	36TH
1264TOB	2	51	2 31/32	1 1/4	1 3/4		43 1/2	36TH
1266TOB	2 1/16	52	2 31/32	1 1/4	1 3/4		43 1/2	36TH
1270TOB	2 3/16	55	3 3/16	1 5/16	1 7/8		43 19/32	36TH
1272TOB	2 1/4	57	3 1/4	1 5/16	1 7/8		43 19/32	36TH
1276TOB	2 3/8	60	3 13/32	1 13/32	2		43 11/16	36TH
1282TOB	2 9/16	65	3 21/32	1 1/2	2 1/4		43 13/16	36TH
1284TOB	2 5/8	67	3 11/16	1 1/2	2 1/4		44 7/32	36TH
1288TOB	2 3/4	70	3 15/16	1 19/32	2 1/2		44	36TH
1294TOB	2 15/16	75	4 5/32	1 11/16	2 5/8		44 3/32	36TH
12100TOB	3 1/8	79	4 3/8	1 11/16	2 3/4		44 19/32	36TH

Features

Made in U.S.A.

- Unique, versatile design allows wrench to be used with or without optional handles.
- Tubular Wrenches may be used without the handle to quickly run down nuts.
- The handle can then be attached to provide maximum turning power for final tightening or to reach otherwise inaccessible fasteners.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Offset box wrench head provides turning clearance.
- Sizes of both SAE and corresponding metric fasteners are shown.



1224TSB

WILLIAMS®

12 F M

STRAIGHT BOX END TUBULAR HANDLE WRENCHES

Industrial Black Finish, 12 Point, SAE / Metric

			A	C			
Product Code	Size (Inches)	Size (MM)	Outside Head Diameter (Inches)	Head Depth (Inches)	Assembled Length From Bolt Center (Inches) 13TH	Assembled Length From Bolt Center (Inches) 24TH/36TH	Fits Handle No.
1224TSB	3/4	-	1 1/4	17/32	19 1/32	29 17/32	13TH - 24TH
1226TSB	13/16	-	1 1/4	17/32	19 1/32	29 17/32	13TH - 24TH
1228TSB	7/8	-	1 13/32	19/32	19 1/32	29 17/32	13TH - 24TH
1230TSB	15/16	-	1 13/32	19/32	19 1/32	29 17/32	13TH - 24TH
1232TSB	1	-	1 9/16	21/32	19 3/32	29 19/32	13TH - 24TH
1234TSB	1 1/16	-	1 9/16	21/32	19 3/32	29 19/32	13TH - 24TH
1236TSB	1 1/8	-	1 5/16	11/16	19 3/32	29 19/32	13TH - 24TH
1240TSB	1 1/4	32	1 29/32	27/32	21 13/32	31 29/32	13TH - 24TH
1242TSB	1 5/16	33	1 29/32	27/32	21 13/32	31 29/32	13TH - 24TH
1246TSB	1 7/16	36	2 5/32	7/8	21 13/32	31 29/32	13TH - 24TH
1248TSB	1 1/2	38	2 5/32	7/8	21 13/32	31 29/32	13TH - 24TH
1252TSB	1 5/8	41	2 5/16	15/16	22 7/32	32 23/32	13TH - 24TH
12100TSB	3 1/8	79	4 9/32	1 3/4		42 5/32	36TH

Features

Made in U.S.A.

- Unique, versatile design allows wrench to be used with or without optional handles.
- Tubular wrenches may be used without the handle to quickly run down nuts.
- The handle can then be attached to provide maximum turning power for final tightening or to reach otherwise inaccessible fasteners.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Straight box wrench head provides access when clearance is limited.
- Sizes of both SAE and corresponding metric fasteners are shown.

WILLIAMS

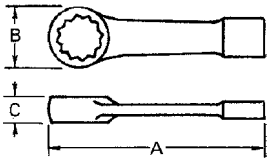
STRAIGHT PATTERN BOX END STRIKING WRENCHES

Industrial Black Finish, 12 Point, SAE / Metric

Product Code	Size (Inches)	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)
SFH-1808BW	1 3/16	30	7 9/16	2 3/32	7/8
SFH-1808W	1 1/4	32	7 9/16	2 3/32	7/8
SFH-1808AW	1 5/16	33	7 9/16	2 3/32	7/8
SFH-1808CW	1 3/8	35	7 21/32	2 9/32	31/32
SFH-1809W	1 7/16	-	7 21/32	2 9/32	31/32
SFH-1809BW	-	36	7 21/32	2 9/32	31/32
SFH-1809AW	1 1/2	38	7 21/32	2 9/32	31/32
SFH-1810W	1 5/8	41	7 27/32	2 21/32	1 5/32
SFH-1810AW	1 11/16	43	7 13/16	2 21/32	1 5/32
SFH-1810BW	1 3/4	44	7 15/16	2 13/16	1 1/4
SFH-1811W	1 13/16	46	7 15/16	2 13/16	1 1/4
SFH-1811AW	1 7/8	-	7 15/16	2 13/16	1 1/4
SFH-1812BW	-	50	11 19/32	3 3/16	1 13/32
SFH-1812W	2	51	11 19/32	3 3/16	1 13/32
SFH-1812AW	2 1/16	52	11 19/32	3 3/16	1 13/32
SFH-1813W	2 3/16	55	11 3/4	2 9/16	1 17/32
SFH-1813AW	2 1/4	57	11 3/4	2 9/16	1 17/32
SFH-1814W	2 3/8	60	11 7/8	3 3/4	1 11/16
SFH-1814AW	2 7/16	62	11 7/8	3 3/4	1 11/16
SFH-1814BW	2 1/2	64	11 7/8	3 3/4	1 11/16
SFH-1815W	2 9/16	65	13	4	1 13/16
SFH-1815AW	2 5/8	67	13	4	1 13/16
SFH-1816W	2 3/4	70	14 9/32	4 9/32	1 15/16
SFH-1816AW	2 13/16	71	14 9/32	4 9/32	1 15/16
SFH-1816BW	2 15/16	75	14 13/32	4 17/32	2 1/16
SFH-1817AW	3	76	14 13/32	4 17/32	2 1/16
SFH-1817W	3 1/8	80	17 19/32	4 29/32	2 9/32
SFH-1818AW	3 3/8	85	17 19/32	4 29/32	2 9/32
SFH-1818W	3 1/2	89	17 13/16	5 5/16	2 15/32
SFH-1819BWA	3 3/4	95	17 29/32	5 17/32	2 21/32
SFH-1819WA	3 7/8	98	17 29/32	5 17/32	2 21/32
SFH-1819CWA	4 1/8	105	18 5/32	6 1/32	2 15/16
SFH-1819AWA	4 1/4	108	18 5/32	6 1/32	2 15/16
SFH-1820BWA	4 1/2	114	20 1/32	6 25/32	3 3/16
SFH-1820WA	4 5/8	117	20 1/32	6 25/32	3 3/16



SFH-1812W



Features

Made in U.S.A.

- Striking face wrenches are designed to be struck by a hammer on the anvil area in order to loosen frozen fasteners or to set and tighten fasteners.
- Anvils are proportional to opening sizes. Special heat treating provides maximum durability for long life.
- Straight handle design resists springing while allowing the fastener to turn more easily.
- Williams' expanded line of offset striking face wrenches, up to 4 5/8", provides the most extensive line on the market.
- Specifically engineered to hold up under the most rigorous industrial use.

WARNING

WILLIAMS®

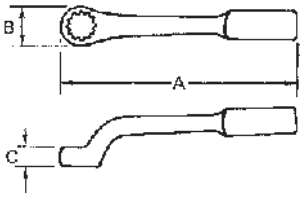
12 F M

OFFSET PATTERN BOX END STRIKING WRENCHES

Industrial Black Finish, 12 Point, SAE / Metric



8811BW



Product Code	Size (Inches)	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)
8807W	1 1/16	27	9 31/32	1 21/32	23/32
8807AW	1 1/8	-	10 31/32	1 15/16	3/4
8808BW	1 3/16	30	10 31/32	1 15/16	3/4
8808W	1 1/4	32	10 31/32	1 15/16	3/4
8808AW	1 5/16	33	10 31/32	1 15/16	3/4
8808CW	1 3/8	35	11 1/2	2 5/32	29/32
8809W	1 7/16	-	11 1/2	2 5/32	29/32
8809BW	-	36	11 1/2	2 5/32	29/32
8809AW	1 1/2	38	12	2 7/16	1
8810W	1 5/8	41	12	2 7/16	1
8810AW	1 11/16	43	12 9/16	2 11/16	1 1/8
8811BW	1 3/4	44	12 9/16	2 11/16	1 1/8
8811W	1 13/16	46	12 9/16	2 11/16	1 1/8
8811AW	1 7/8	-	13	2 7/8	1 1/4
8812AW	1 15/16	49	13	2 7/8	1 1/4
8812BW	-	50	13	2 7/8	1 1/4
8812W	2	51	13	2 7/8	1 1/4
8813BW	2 1/8	54	13 9/16	3 1/4	1 13/32
8813W	2 3/16	55	13 9/16	3 1/4	1 13/32
8813AW	2 1/4	57	13 9/16	3 1/4	1 13/32
8814AW	2 5/16	59	13 9/16	3 1/4	1 13/32
8814W	2 3/8	60	14 1/8	3 11/16	1 1/2
8815BW	2 1/2	64	14 1/8	3 11/16	1 1/2
8815W	2 9/16	65	14 1/8	3 11/16	1 1/2
8815AW	2 5/8	67	15	3 15/16	1 5/8
8816W	2 3/4	70	15	3 15/16	1 5/8
8816CW	2 7/8	73	16	4 7/16	1 3/4
8816BW	2 15/16	75	16	4 7/16	1 3/4
8817AW	3	76	16	4 7/16	1 3/4
8817W	3 1/8	80	16	4 7/16	1 3/4
8818AW	3 3/8	85	18 9/32	6	2
8818W	3 1/2	89	18 9/32	6	2
8819BW	3 3/4	95	18 9/32	6	2
8819W	3 7/8	98	18 9/32	6	2
8819CW	4 1/8	105	18 9/32	6	2
8819AW	4 1/4	108	18 9/32	6	2

USA Made in U.S.A.

Features

- Striking face wrenches are designed to be struck by a hammer on the anvil area in order to loosen frozen fasteners or to set and tighten fasteners.
- Anvils are proportional to opening sizes. Special heat treating provides maximum durability for long life.
- Offset handle is close to head to provide clearance in confined areas.
- Williams' expanded line of offset striking face wrenches, up to 4 1/4", provides the most extensive line on the market.
- Specifically engineered to hold up under the most rigorous industrial use.



8811BW

WILLIAMS®

FRAC PUMP WRENCH

A safer, more durable tool

Product Code	Stud Size
8817AFPW	Frac Pump Wrench

USA Made in U.S.A.

Features

- Specially designed for the oil and gas industry to work on fluid ends of well servicing pumps from all major manufacturers with 3" valve cover retainer nuts
- Offset design with 3" integrated hex driver
- A larger striking surface ensures fewer errant blows
- Offset reduces damage to manifold
- Robust metallurgy ensures a safer tool that is less likely to break

WILLIAMS®

SLUGGING WRENCH RETAINERS

Product Code	Stud Size	Length	C	D
SWR-24	3/8	1 29/32	1 15/16	1 3/4
SWR-28	7/8	2	2 3/16	1 29/32
SWR-32	1	2 1/8	2 1/2	2 1/32
SWR-36	1 1/8	2 1/4	2 1/2	2 5/32
SWR-40	1 1/4	2 3/8	2 7/8	2 9/32
SWR-44	1 3/8	2 15/32	3 1/8	2 3/8
SWR-48	1 1/2	2 5/8	3 1/8	2 1/2
SWR-52	1 5/8	2 3/4	3 5/8	2 21/32
SWR-56	1 3/4	2 7/8	3 7/8	2 3/4
SWR-60	1 7/8	3	4 1/2	2 7/8



SWR-52



SWR-24

SWR-SET 10 Piece Slugging Wrench Retainers Set

Contents Include:

Product Code	Stud Size	Product Code	Stud Size
SWR-24	3/8	SWR-44	1 3/8
SWR-28	7/8	SWR-48	1 1/2
SWR-32	1	SWR-52	1 5/8
SWR-36	1 1/8	SWR-56	1 3/4
SWR-40	1 1/4	SWR-60	1 7/8

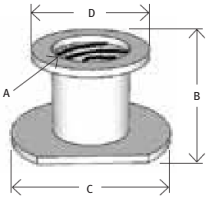


SWR-SET

Features

- Slugging Wrench Retainers thread onto the end of the stud over the slugging wrench to ensure the wrench stays affixed to the fastener
- A spring loaded plate allows for easy adjustment of the wrench without having to unscrew the retainer.
- Increased productivity and safer operation by eliminating the need for a second worker to hold and slugging wrench in place
- Available in 10 sizes, marked with stud sizes (not hex sizes)
- Configured to work with offset and straight handle slugging wrenches

Made in U.S.A.



WILLIAMS®

HAMMER WRENCHES

6 Point

Product Code	Wrench Opening (Nut Size)	Head Dia.	Head Thickness	Overall Length
HW-6034	1 1/16	1 25/32	5/8	9 7/8
HW-6040	1 1/4	2	23/32	10 1/4
HW-6046	1 7/16	2 17/64	7/8	10 9/16
HW-6052	1 5/8	2 31/64	61/64	11
HW-6058	1 13/16	2 21/32	63/64	11 5/16
HW-6064	2	3 1/32	1 7/32	11 11/16
HW-6070	2 3/16	3 9/32	1 1/4	12
HW-6076	2 3/8	3 13/32	1 7/16	12 3/8
HW-6082	2 9/16	3 3/4	1 17/32	12 11/16
HW-6088	2 3/4	4 11/64	1 17/32	13 1/16
HW-6094	2 15/16	4 23/64	1 17/32	13 7/16
HW-6100	3 1/8	4 31/64	1 5/8	13 13/16
HW-6112	3 1/2	4 31/32	1 23/32	14 1/8
HW-6124	3 7/8	5 35/64	1 23/32	14 1/2

Features

- Designed for use in the petrochemical industries where clearance, particularly on flanges, and cored fasteners are often a problem:
- 6 Point Hex is offset 15 degree, and short handle length allows for use in tight spaces
- Straight Handle transfers maximum torque when struck
- Assortment fits Stud Sizes up to 2 ½"

Made in U.S.A.



HW-6034

⚠WARNING



WS-476

WILLIAMS®

ADJUSTABLE PIN SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Pin Diameter (Inches)	Pin Length (Inches)	Overall Length (Inches)
O-471	3/4 to 2	1/8	1/8	5 3/8
O-471A	3/4 to 2	3/16	5/32	5 3/8
O-472	1 1/4 to 3	3/16	3/16	6 7/8
O-472A	1 1/4 to 3	1/4	7/32	6 7/8
O-474	2 to 4 3/4	1/4	1/4	9 1/2
O-474A	4 1/2 to 6 1/4	3/8	1/4	9 7/8

WS-476 6-Piece Adjustable Pin Spanner Wrench Set, in Pouch

Contents Include:

Product Code	Overall Length (Inches)	Product Code	Overall Length (Inches)
O-471	5 3/8	O-472A	6 7/8
O-471A	5 3/8	O-474	9 1/2
O-472	6 7/8	O-474A	9 7/8

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.



WS-474

WILLIAMS®

ADJUSTABLE HOOK SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Hook Depth (Inches)	Hook Thickness (Inches)	Overall Length (Inches)
471	3/4 to 2	1/8	11/32	5 3/8
472	1 1/4 to 3	5/32	13/32	7 1/4
474	2 to 4 3/4	3/16	15/32	11 1/2
474A	4 1/2 to 6 1/4	1/4	15/32	17 1/2
474B	6 1/8 to 8 3/4	5/16	15/32	18 1/2

WS-474 4-Piece Adjustable Hook Spanner Wrench Set, in Pouch

Product Code	Overall Length (Inches)	Product Code	Overall Length (Inches)
471	5 3/8	474	11 1/2
472	7 1/4	474A	17 1/2

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.



WS-483

WILLIAMS®

ADJUSTABLE FACE SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Pin Diameter (Inches)	Pin Length (Inches)	Overall Length (Inches)
482	2	3/16	1/4	6 1/4
483	3	1/4	1/4	8 1/8
484	4	5/16	1/2	10 3/8

WS-483 3-Piece Adjustable Face Spanner Wrench Set, in Pouch

Contents Include:

Product Code	Overall Length (Inches)	Product Code	Overall Length (Inches)
482	6 1/4	484	10 3/8
483	8 1/8		

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.

WILLIAMS

T-HANDLE HEX DRIVERS

Cushion Grip Handle

Product Code	Size (Inches)	Product Code	Size (MM)
HKT-3/32	3/32	HKT-2MM	2
HKT-7/64	7/64	HKT-2.5MM	2.5
HKT-1/8	1/8	HKT-3MM	3
HKT-9/64	9/64	HKT-4MM	4
HKT-5/32	5/32	HKT-5MM	5
HKT-3/16	3/16	HKT-6MM	6
HKT-7/32	7/32	HKT-8MM	8
HKT-1/4	1/4	HKT-10MM	10
HKT-5/16	5/16		
HKT-3/8	3/8		

Features

- Cushion grip provides extra comfort
- One-Piece handle construction for extra strength
- 6 Inch shaft length



HKT-1/4



HKT-6MM

WSHKT-10 10 Piece T-Handle Hex Driver Set, SAE in Pouch

Contents Include:

Product Code	Size	Product Code	Size	Product Code	Size
HKT-3/32	3/32	HKT-5/32	5/32	HKT-1/4	1/4
HKT-7/64	7/64	HKT-3/16	3/16	HKT-5/16	5/16
HKT-1/8	1/8	HKT-7/32	7/32	HKT-3/8	3/8
HKT-9/64	9/64				



WSHKT-10

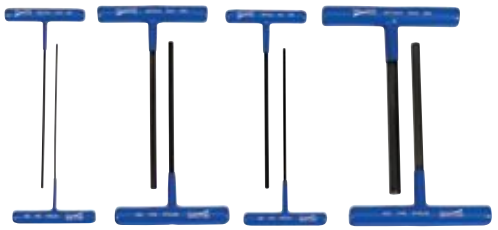
MWSHKT-8 8 Piece T-Handle Hex Driver Set, MM in Pouch

Contents Include:

Product Code	Size	Product Code	Size
HKT-2MM	2	HKT-5MM	5
HKT-2.5MM	2.5	HKT-6MM	6
HKT-3MM	3	HKT-8MM	8
HKT-4MM	4	HKT-10MM	10

Features

- Set comes in pouch for tool box or can be hung.



MWSHKT-8

Universal Hex Key Stand

Product Code	Size
HKTSTAND	Width 7 ½ x Depth 5 ½ x Height 6

Features

- Universal T-handle stand, fits inch/metric sets
- Number of slots: 22
- Fits up to 3/8" hex
- For Inch, Metric and Torx hex keys
- Can be attached to wall, bench or each other
- T-handle hex drivers are sold separately and are not included with stand
- 6" overall length

Made in U.S.A.



HKTSTAND

WARNING


900T-200


900T-8MM


900T-10US

BAHCO

T-HANDLE HEX DRIVERS

SAE & Metric

Product Code	Shaft Length (Inches)	Size (Inches)	Product Code	Shaft Length (Inches)	Size (MM)
900T-094	4 1/8	3/32	900T-020-100	4 1/8	2
900T-109	4 1/8	7/64	900T-025-100	4 1/8	2.5
900T-125	4 1/8	1/8	900T-030-100	4 1/8	3
900T-141	4 1/8	9/64	900T-040-150	5 1/2	4
900T-156	5 1/2	5/32	900T-050-150	5 1/2	5
900T-188	5 1/2	3/16	900T-060-200	7 1/4	6
900T-219	5 1/2	7/32	900T-080-200	7 1/4	8
900T-250	7 1/4	1/4	900T-100-200	7 1/4	10
900T-313	7 1/4	5/16			
900T-375	7 1/4	3/8			

900T-8MM 8 Piece T-Handle Hex Drivers Set, MM in Cardboard Box

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
900T-020-100	2	900T-050-150	5
900T-025-100	2.5	900T-060-200	6
900T-030-100	3	900T-080-200	8
900T-040-150	4	900T-100-200	10

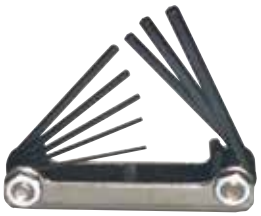
900T-10US 10 Piece T-Handle Hex Drivers Set, SAE in Cardboard Box

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
900T-094	3/32	900T-188	3/16
900T-109	7/64	900T-219	7/32
900T-125	1/8	900T-250	1/4
900T-141	9/64	900T-313	5/16
900T-156	5/32	900T-375	3/8

Features

- Comfort grip handle for durability and flexibility in all types of work applications
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location


WS-45


WS-46

Made in U.S.A.


MWS-47


BE-9777

WILLIAMS

BAHCO

F M

FOLDING HEX KEY SETS

SAE and Metric

Product Code	WS-45		WS-46		MWS-47		BE-9777	
Number of Pieces	8		9		7		7	
	Hex Size (Inches)	Key Length (Inches)	Hex Size (Inches)	Key Length (Inches)	Includes Hex Size (MM)	Key Length (Inches)	Includes Hex Size (MM)	Key Length (Inches)
	.050	1 1/4	5/64	1 1/2	1.5	1 3/8	1.5	1 13/16
	1/16	1 3/8	3/32	1 9/16	2	1 1/2	2	1 31/32
	5/64	1 7/16	7/64	1 11/16	2.5	1 5/8	2.5	2 1/64
	3/32	1 9/16	1/8	1 15/16	3	1 3/4	3	2 1/4
	7/64	1 5/8	9/64	2	4	2	4	2 21/64
	1/8	1 11/16	5/32	2 1/4	5	2 1/4	5	2 13/32
	9/64	1 13/16	3/16	2 1/2	6	2 1/2	6	2 23/32
	5/32	2	7/32	2 5/8				
			1/4	2 7/8				

Features

- Steel case is chrome plated to resist corrosion.
- Keys are black oxide finish.
- Convenient item for pocket or tool box.

WILLIAMS® BAHCO®

BALL END AND STANDARD HEX KEY SETS

SAE and Metric, in Handy Compact Plastic Holder

Product Code	Number of Pieces	Type	Key Style	Key Length	Size Range
10107	7	SAE	Standard	Short	5/64 - 1/4"
10111	11	SAE	Standard	Short	.050 - 1/4"
10113	13	SAE	Standard	Short	.050 - 3/8"
10213	13	SAE	Standard	Long	.050 - 3/8"
10507	7	Metric	Standard	Short	1.5 - 6.0 mm
10509	9	Metric	Standard	Short	1.5 - 10.0 mm
13213	13	SAE	Ball Hex	Long	.050 - 3/8"
13609	9	Metric	Ball Hex	Long	1.5 - 10.0 mm
BE-9770	9	Metric	Ball End	Long	1.5 - 10.0 mm

Made in U.S.A.

Features
- Plastic holders organize hex keys securely in place.
- Keys are black oxide finish.
- Holders are color coded, red for fractional and blue for metric.
- Ball hex key ends are designed with ball on long arm to provide 360° of rotation at up to a 30° angle.



WILLIAMS®

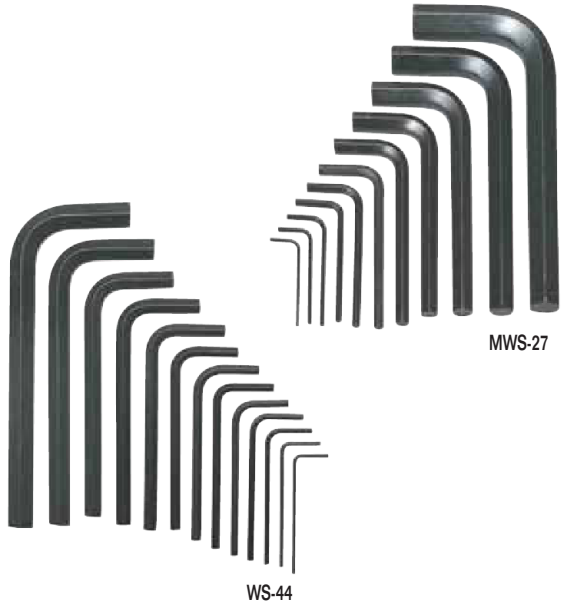
HEX KEY SETS IN POUCH

SAE and Metric

Product Code	WS-44		MWS-27	
Number of Pieces	13		11	
	Hex Size (Inches)	Key Length (Inches)	Hex Size (MM)	Key Length (Inches)
	.050	1 11/16	2	2
	1/16	1 13/16	2 1/2	2 5/16
	5/64	1 31/32	3	2 7/32
	3/32	2 1/8	4	2 13/16
	7/64	2 1/4	5	3 5/16
	1/8	2 3/8	6	3 23/32
	9/64	2 9/16	8	4 1/16
	5/32	2 19/32	10	4 5/8
	3/16	3	12	5 7/32
	7/32	3 3/16	14	5 15/16
	1/4	3 1/2	17	6 7/8
	5/16	4		
	3/8	4 17/32		

Made in U.S.A.

Features
- Pouch keeps hex keys organized.
- Keys are black oxide finish.



WILLIAMS®

L-TYPE HEX KEYS

Industrial Black Finish, SAE

Product Code	Size (Inches)	Length (Inches)	Width (Inches)	Pkg. Qty.
HK-050	.050	1 23/32	1/2	25
HK-1/16	1/16	1 7/8	1/2	25
HK-5/64	5/64	1 31/32	5/8	25
HK-3/32	3/32	1 13/16	9/16	25
HK-7/64	7/64	2 1/4	23/32	25
HK-1/8	1/8	2 13/32	3/4	25
HK-9/64	9/64	2 3/8	25/32	25
HK-5/32	5/32	2 21/32	27/32	25
HK-3/16	3/16	2 31/32	1	25
HK-7/32	7/32	3 5/16	1	25
HK-1/4	1/4	3 5/8	1 1/8	25
HK-3/8	3/8	4 23/32	1 13/32	5

Made in U.S.A.

Features
- Keys are black oxide finish.

WILLIAMS®

L-TYPE HEX KEYS

Industrial Black Finish, Metric

Product Code	Size (MM)	Length (Inches)	Width (Inches)	Pkg. Qty.
HK-2mm	2	2	5/8	25
HK-2.5mm	2 1/2	2 1/4	23/32	25
HK-3mm	3	2 9/16	13/16	25
HK-4mm	4	2 13/16	31/32	25
HK-5mm	5	3 13/32	1 1/8	25
HK-6mm	6	3 3/4	1 1/8	10
HK-8mm	8	4 5/16	1 1/8	5
HK-10mm	10	4 3/4	1 1/2	5
HK-12mm	12	5 1/4	1 5/8	5
HK-14mm	14	6	1 1/2	5
HK-17mm	17	6 3/4	2 1/2	1

Made in U.S.A.

Features
- Keys are black oxide finish.



WARNING



1/4" Drive	239
3/8" Drive	265
1/2" Drive	324
3/4" Drive	379
1" Drive	404
1-1/2" Drive	414

SOCKETS AND DRIVE TOOLS

At Snap-on Industrial Brands we're committed to quality. Our large assortment of Williams sockets and drive tools features unique design and is manufactured for heavy duty applications.

WILLIAMS® BAHCO®

MULTI DRIVE SOCKET & DRIVE TOOL SETS

Product Code	Description
50614A	146 Piece ¼", ⅜", ½" Drive Socket Set 6 Point Rugged Case System Tool Set, SAE & Metric Complete details on page 245, 274, 331
50612A	138 Piece ¼", ⅜", ½" Drive Socket Set 6 Point Rugged Case System Tool Set, SAE & Metric Complete details on page 246, 275, 332
50611A	95 Piece ¼" & ⅜" Drive Master Socket, Wrench, and Screwdriver Set 6 & 12 Point Rugged Case System Tool Set, SAE Complete details on page 247, 276
50622A	89 Piece ¼" & ⅜" Drive Master Socket and Tool Set 6 & 12 Point Rugged Case System Tool Set, Metric Complete details on page 248, 277
50681	32 Piece ¼" & ⅜" Drive Bit Socket Set 6 Point Compact Case Tool Set, SAE & Metric Complete details on page 250
S106	106 Piece ¼" & ½" Drive Master Socket and Tool Set 6 Point Rugged Case System Tool Set, Metric Complete details on page 243

Features

- Sets include comprehensive assortment of sockets and drive tools in multiple drive sizes.
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Rugged case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two component handles are easy to grip and comfortable to carry.



50614A



50612A



50611A



50622A



50681



S106

⚠WARNING



WSM-38HFTB

WILLIAMS

38 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 & 8 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-38HFTB	38 Piece Tool Set with TB-103 Metal Tool Box
WSM-38HF	38 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-42A	Flex Handle
M-102	2" Extension
M-104	4" Extension
M-115	6" Extension

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-605	5/32
M-606	3/16
M-607	7/32
M-608	1/4
M-609	9/32
M-610	5/16
M-611	11/32
M-612	3/8
M-614	7/16
M-616	1/2
M-618	9/16

Shallow 8-Point Sockets

Product Code	Size (Inches)
M-808	1/4
M-810	5/16
M-812	3/8

Drive Tools:

Product Code	Description
M-106A	Spinner Handle
M-140A	Universal Joint
M-20A	Sliding T-Handle
MFE-6	6" Flexible Extension

Deep 6-Point Sockets

Product Code	Size (Inches)
MD-606	3/16
MD-607	7/32
MD-608	1/4
MD-609	9/32
MD-610	5/16
MD-611	11/32
MD-612	3/8
MD-614	7/16
MD-616	1/2
MD-618	9/16

Screwdriver Bit Sockets

Product Code	Description
MA-7A-1P	#1 Phillips® Tip
MA-7A-2P	#2 Phillips® Tip
MA-5A-1S	3/16" Slotted Tip
MA-7A-2S	7/32" Slotted Tip
MA-8A-3S	9/32" Slotted Tip

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.



WSM-26HFTB

WILLIAMS

26 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-26HFTB	26 Piece Tool Set with TB-102 Metal Tool Box
WSM-26HF	26 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-102	2" Extension
M-115	6" Extension

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-605	5/32
M-606	3/16
M-607	7/32
M-608	1/4
M-609	9/32
M-610	5/16
M-611	11/32
M-612	3/8
M-614	7/16
M-616	1/2
M-618	9/16

Drive Tools:

Product Code	Description
M-106A	Spinner Handle
M-140A	Universal Joint

Deep 6-Point Sockets

Product Code	Size (Inches)
MD-606	3/16
MD-607	7/32
MD-608	1/4
MD-609	9/32
MD-610	5/16
MD-611	11/32
MD-612	3/8
MD-614	7/16
MD-616	1/2
MD-618	9/16

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.

22 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-22FTB	22 Piece Tool Set with TB-102 Metal Tool Box
WSM-22F	22 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-102	2" Extension
M-106A	Spinner Handle
M-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-605	5/32
M-606	3/16
M-608	1/4

Shallow 12-Point Sockets

Product Code	Size (Inches)
M-1210	5/16
M-1211	11/32
M-1212	3/8
M-1214	7/16
M-1216	1/2
M-1218	9/16

Deep 6-Point Sockets

Product Code	Size (Inches)
MD-605	5/32
MD-606	3/16
MD-608	1/4

Deep 12-Point Sockets

Product Code	Size (Inches)
MD-1210	5/16
MD-1211	11/32
MD-1212	3/8
MD-1214	7/16
MD-1216	1/2
MD-1218	9/16

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.



WSM-22FTB

19 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 & 8 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-19HFTB	19 Piece Tool Set with TB-101 Metal Tool Box
WSM-19HF	19 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-102	2" Extension
M-115	6" Extension
M-106A	Spinner Handle
M-140A	Universal Joint
M-42A	Flex Handle

Shallow 8-Point Sockets

Product Code	Size (Inches)
M-808	1/4
M-810	5/16
M-812	3/8

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-606	3/16
M-607	7/32
M-608	1/4
M-609	9/32
M-610	5/16
M-611	11/32
M-612	3/8
M-614	7/16
M-616	1/2
M-618	9/16

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.



WSM-19HFTB

WARNING



WSM-15HFTB

WILLIAMS®

15 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-15HFTB	15 Piece Tool Set with TB-101 Metal Tool Box
WSM-15HF	15 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-102	2" Extension
M-115	6" Extension
M-106A	Spinner Handle
M-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-606	3/16
M-607	7/32
M-608	1/4
M-609	9/32
M-610	5/16
M-611	11/32
M-612	3/8
M-614	7/16
M-616	1/2
M-618	9/16

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSM-13FTB

WILLIAMS®

13 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-13FTB	13 Piece Tool Set with TB-101 Metal Tool Box
WSM-13F	13 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-102	2" Extension
M-106A	Spinner Handle
M-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-605	5/32
M-606	3/16

Shallow 12-Point Sockets

Product Code	Size (Inches)
M-1208	1/4
M-1210	5/16
M-1211	11/32
M-1212	3/8
M-1214	7/16
M-1216	1/2
M-1218	9/16

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS

30 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSM-30HFTB	30 Piece Metric Tool Set with TB-103 Metal Tool Box
MSM-30HF	30 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description	Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet	M-106A	Spinner Handle
M-102	2" Extension	M-140A	Universal Joint
M-115	6" Extension	M-42A	Flex Handle

Shallow 6-Point Sockets		Deep 6-Point Sockets	
Product Code	Size (MM)	Product Code	Size (MM)
MM-604	4	MMD-604	4
MM-605	5	MMD-605	5
MM-605.5	5 1/2	MMD-605.5	5 1/2
MM-606	6	MMD-606	6
MM-607	7	MMD-607	7
MM-608	8	MMD-608	8
MM-609	9	MMD-609	9
MM-610	10	MMD-610	10
MM-611	11	MMD-611	11
MM-612	12	MMD-612	12
MM-613	13	MMD-613	13
MM-614	14	MMD-614	14

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



MSM-30HFTB

WILLIAMS

17 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSM-17HFTB	17 Piece Metric Tool Set with TB-101 Metal Tool Box
MSM-17HF	17 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description	Product Code	Description
M-52EHA	5-1/2" Enclosed Head Ratchet	M-106A	Spinner Handle
M-102	2" Extension	M-140A	Universal Joint
M-115	6" Extension		

Shallow 6-Point Sockets			
Product Code	Size (MM)	Product Code	Size (MM)
MM-604	4	MM-609	9
MM-605	5	MM-610	10
MM-605.5	5.5	MM-611	11
MM-606	6	MM-612	12
MM-607	7	MM-613	13
MM-608	8	MM-614	14

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



MSM-17HFTB

WARNING



S106

BAHCO

106 PIECE 1/4" & 1/2" MASTER SOCKET AND TOOL SET

6 Point Rugged-Case-System-Tool Set, SAE & MM

Product Code	Description
S106	106 Piece 1/4" & 1/2" Drive Socket and Wrench Set

Contents Include:

1/4" Drive Tools

Description
Quick Release Ratchet
Universal Joint
Spinner Handle
2" Extension
4" Extension
Sliding T-handle

1/4" Drive 6 Point Shallow Sockets

Size (mm)	Size (mm)
4	8
4.5	9
5	10
5.5	11
6	12
7	13

1/4" Drive Deep 6 Point Sockets

Size (mm)	Size (mm)
4	9
5	10
6	11
7	12
8	13

1/4" Drive Phillips Bit Sockets

Size (mm)	Size (mm)
#1	#3
#2	#4

1/4" Drive Slotted Bit Sockets

Size	Size
4	7
5.5	

1/4" Drive Hex Bit Sockets

Size (mm)	Size (mm)
3	6
4	8
5	10

1/4" Drive Pozidriv Bit Sockets

Size (mm)	Size (mm)
1	3
2	

1/4" Drive Torx Bit Sockets

Size	Size
T8	T25
T10	T27
T15	T30
T20	T40

1/2" Drive Tools

Description
Quick Release Ratchet
Universal Joint
5" Extension
10" Extension
Adapter

1/2" Drive 6 Point Shallow Sockets

Size (mm)	Size (mm)
10	20
12	21
13	23
14	24
15	27
16	32
17	34
18	

1/2" Drive 6 Point Shallow Sockets

Size (inches)	Size (inches)
3/8	3/4
7/16	13/16
1/2	7/8
9/16	1 3/16
11/16	

1/2" Drive Shallow Impact Sockets, 6 point, MM

Size (mm)	Size (mm)
17	21
19	24

1/2" Drive Spark Plug Socket

Size (mm)
21

L Type Hex Keys

Size (mm)	Size (mm)
1.5	2.5
2	

Double Flex Head Wrenches

Size (mm)	Size (mm)
8-9	12-13
10-11	14-15

12 Point Combination Wrenches

Size (mm)	Size (mm)
7	14
8	15
9	16
10	17
11	18
12	19
13	

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Packed in a rugged high-density polyethylene (HDPE) case that is strong and durable yet light in weight
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges

29 PIECE 1/4" DRIVE BIT SOCKET SET

6 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
S290	29 Piece 1/4" Drive Bit Socket Set

Contents Include:

1/4" Drive Tools

Description
Quick Release Ratchet
2" Extension
6" Extension
Sliding T-Handle
Universal Joint
Spinner Handle

1/4" Drive Hex Bit Socket

Size (mm)	Size (mm)
4	8
4.5	9
5	10
5.5	11
6	12
7	13

1/4" Drive Phillips Socket

Size (mm)	Size (mm)
#1	#3
#2	

1/4" Drive Slotted Socket

Size (mm)	Size (mm)
4	7
5.5	

1/4" Drive Hex Bit Socket

Size (mm)	Size (mm)
3	6
4	8
5	



S290

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Packed in a rugged high-density polyethylene (HDPE) case that is strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.

16 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Rugged-Case-System-Tool Set, Metric

Product Code	Description
S160	29 Piece 1/4" Drive Bit Socket Set

Contents Include:

1/4" Drive Tools

Description
Quick Release Ratchet
Sliding T-Handle
3" Extension
6" Flexible Extension

1/4" Drive 6 Point Shallow Sockets

Size (mm)	Size (mm)
4	8
4.5	9
5	10
5.5	11
6	12
7	13



S160

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Packed in a rugged high-density polyethylene (HDPE) case that is strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.

WARNING

WILLIAMS®

6 12 M F

146 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50614A	146 Piece 1/4", 3/8", 1/2" Drive Socket Set



50614A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	Ratchet
30003	3" Extension
30006A	Handle
30007	Universal Joint

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets, MM

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips Tip
35051	#1 Phillips Tip
35052	#2 Phillips Tip

1/4" Drive Torx Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension
31008	Adaptor - 3/8" F x 1/4" M

3/8" Drive Deep 12 Point Sockets, MM

Product Code	Size (MM)
31806	6
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

3/8" Drive Deep 12 Point Sockets, SAE

Product Code	Size (Inches)
31408	1/4
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Spark Plug Socket

Product Code	Size (Inches)
31301	5/8
31303	13/16

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32003	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor - 1/2" F x 3/8" M

1/2" Drive Shallow 12 Point Sockets,SAE

Product Code	Size (Inches)
32212	3/8
32214	7/16
32216	1/2
32218	9/16
32220	5/8
32222	11/16
32224	3/4
32226	13/16
32228	7/8
32230	15/16
32232	1

WILLIAMS®

138 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50612A	138 Piece 1/4", 3/8", 1/2" Drive Socket Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	Ratchet
30002	1-1/2" Extension
30003	3" Extension
30006A	Spinner Handle
30007	Universal Joint
30013	Hex Bit Holder
24880	13 Piece Insert Bit Set

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30305	5/32
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31008	Adaptor
31013	Hex Bit Holder

3/8" Drive Deep 12 Point Sockets, MM

Product Code	Size (MM)
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

3/8" Drive Deep 12 Point Sockets, SAE

Product Code	Size (Inches)
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32003	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor

1/2" Drive Shallow 12 Point Sockets, MM

Product Code	Size (MM)
32610	10
32611	11
32612	12
32613	13
32614	14
32615	15
32616	16
32617	17
32618	18
32619	19
32621	21
32622	22
32624	24
32627	27
32630	30
32632	32

1/2" Drive Shallow 12 Point Sockets,SAE

Product Code	Size (Inches)
32212	3/8
32214	7/16
32216	1/2
32218	9/16
32220	5/8
32222	11/16
32224	3/4
32226	13/16
32228	7/8
32230	15/16
32232	1
32234	1 1/16
32236	1 1/8
32238	1 3/16
32240	1 1/4



50612A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠WARNING

WILLIAMS®

6 12 M F

95 PIECE 1/4" & 3/8" DRIVE MASTER SOCKET & TOOL SET



50611A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

6 & 12 Point Rugged-Case-System Tool Set, SAE

Product Code	Description
50611A	95 Piece Master Socket, Wrench, and Screwdriver Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	36 Tooth Quick-Release Ratchet
30002	1 1/2" Extension
30003	3" Extension
30005	Flex Handle
30006A	Spinner Handle
30007	Universal Joint
30009	1/4" F x 3/8" M Adapter

1/4" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Deep 6-Point Sockets

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2
30318	9/16

1/4" Drive Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter

Comfort Grip Screwdrivers

Product Code	Description
24205A	3/16" x 4" Slotted
24219A	1/4" x 4" Slotted
24249A	#1 x 3" Phillips®
24253A	#2 x 4" Phillips®

1/4" Drive Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

1/4" Drive Torx® Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Deep 12-Point Sockets

Product Code	Size (Inches)
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

12 Point Combination Wrenches

Product Code	Size (Inches)
11108	1/4
11110	5/16
11112	3/8
11114	7/16
11116	1/2
11118	9/16
11120	5/8
11122	11/16
11124	3/4

WILLIAMS®

89 PIECE 1/4" & 3/8" DRIVE MASTER SOCKET AND TOOL SET

6 & 12 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
50622A	89 Piece Master Socket, Wrench and Screwdriver Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	36 Tooth Quick-Release Ratchet
30002	1½" Extension
30003	3" Extension
30005	Flex Handle
30006A	Spinner Handle
30007	Universal Joint
30009	¼" F x ⅜" M Adapter

1/4" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
30504	4
30505	5
30599	5 ½
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

1/4" Drive Torx® Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	⅜" F x ¼" M Adapter
31009	⅜" F x ½" M Adapter

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Deep 12-Point Sockets

Product Code	Size (MM)
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

Comfort Grip Screwdrivers

Product Code	Description
24205A	3/16" x 4" Slotted
24219A	¼" x 4" Slotted
24249A	#1 x 3" Phillips®
24253A	#2 x 4" Phillips®

12 Point Combination Wrenches

Product Code	Size (MM)
11506	6
11508	8
11510	10
11512	12
11513	13
11514	14
11515	15
11517	17
11519	19



50622A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠WARNING



50602A

WILLIAMS®

67 PIECE 1/4" DRIVE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50602A	67 Piece 1/4" Drive Socket Set

Contents Include:

1/4" Drive Tools

Product Code	Description
30001	Ratchet
30005	Flex handle
30002	4" Extension
30003	8" Extension
30006A	18" Sliding T-handle
30007	Universal Joint
30010	Spinner Disc

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2
30318	9/16

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets, MM

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Slotted Bit Sockets, SAE

Product Code	Size (Inches)
35040	5/32
35041	7/32
35042	9/32

1/4" Drive Phillips Bit Sockets, SAE

Product Code	Size (Inches)
35050	# 0
35051	# 1
35052	# 2



50601A

WILLIAMS®

47 PIECE 1/4" DRIVE 47 PIECE DELUXE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50601A	47 Piece Deluxe 6-Point 1/4" Drive Socket Set

Contents Include:

Drive Tools:

Product Code	Description
30001	36 Tooth Quick-Release Ratchet
30002	1 ½" Extension
30003	3" Extension
30005	Flex Handle
30006A	Spinner Handle
30007	Universal Joint
30010	Ratchet Spinner

Shallow 6-Point Sockets

Product Code	Size (Inches)
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16
30711	11
30712	12
30713	13

Shallow 6-Point Sockets

Product Code	Size (MM)
30504	4
30505	5
30599	5 1/2
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS®

36 PIECE 1/4" DRIVE SOCKET

6 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
50604A	36 Piece Socket Set

Contents Include:

1/4" Drive Tools

Product Code	Description
30001	Ratchet
30002	1 ½" Extension
30004	6" Extension
30007	Universal Joint
30008	Sliding T-Handle
30006A	Spinner Handle

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30598	4.5
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13

1/4" Drive Phillips Socket

Product Code	Description
35051	# 1
35052	# 2
35053	# 3

1/4" Drive Slotted Socket

Product Code	Size (MM)
35043	4
35044	5.5
35045	7

1/4" Drive Hex Bit Socket

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35075	8

1/4" Drive Torx Bit Socket

Product Code	Description
35079	T8
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30



50604A

WILLIAMS®

32 PIECE 1/4" & 3/8" DRIVE BIT SOCKET SET

6 Point Compact Case Tool Set, SAE & MM

Product Code	Description
50681	32 Piece 1/4" & 3/8" Drive Bit Socket Set

Contents Include:

1/4" Drive Torx Bit Socket

Product Code	Description
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Torx Bit Socket

Product Code	Description
35185	T40
35186	T45
35187	T47
35188	T50

3/8" Drive Hex Bit Socket

Product Code	Size (MM)
35170	4
35171	5
35172	6
35173	7
35174	8
35175	9
35176	10

3/8" Drive Slotted Socket

Product Code	Size (SAE)
35140	1/4
35141	5/16
35142	3/8
35143	3/16

3/8" Drive Phillips Socket

Product Code	Description
35150	#1
35151	#2
35152	#3

3/8" Drive Hex Bit Socket

Product Code	Size (SAE)
35100	1/8
35101	9/64
35102	5/32
35103	3/16
35104	7/32
35105	1/4
35106	5/16
35107	3/8



50681

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

⚠WARNING



50661A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50662A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50672A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

WILLIAMS®

27 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Compact Case Tool Set, SAE and Metric

Product Code	Description
50661A	27 Piece 1/4" Drive Socket and Drive Tool Set

Contents Include:

1/4" Drive Tools:		1/4" Drive Shallow 6 Point Sockets:		1/4" Drive Shallow 6 Point Sockets:	
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (mm)
30001	5 1/4" Pear Head Ratchet	30106	3/16	30504	4
30002	1 1/2" Extension	30107	7/32	30505	5
30004	6" Extension	30108	1/4	30599	5.5
30006A	Spinner Handle	30109	9/32	30506	6
30007	Universal Joint	30110	5/16	30507	7
		30111	11/32	30508	8
		30112	3/8	30509	9
		30114	7/16	30510	10
		30116	1/2	30511	11
		30118	9/16	30512	12
				30513	13
				30514	14

WILLIAMS®

21 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Compact Case Tool Set, SAE

Product Code	Description
50662A	21 Piece 1/4" Drive Socket and Drive Tool Set

Contents Include:

1/4" Drive Tools:		1/4" Drive Shallow 6 Point Sockets:		1/4" Drive Deep 6 Point Sockets:	
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (SAE)
30001	5 1/4" Pear Head Ratchet	30106	3/16	30308	1/4
30003	1 1/2" Extension	30107	7/32	30309	9/32
30004	3" Extension	30108	1/4	30310	5/16
30006A	Spinner Handle	30109	9/32	30311	11/32
30007	6" Extension	30110	5/16	30312	3/8
		30111	11/32	30314	7/16
		30112	3/8	30316	1/2
		30114	7/16		
		30116	1/2		

WILLIAMS®

27 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, SAE & MM

Product Code	Description
50672A	27 Piece 1/4" Drive Socket and Drive Tool Set

Contents Include:

1/4" Drive Tools:		1/4" Drive Shallow 12 Point Sockets:		1/4" Drive Shallow 12 Point Sockets:	
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (mm)
30001	5-1/4" Pear Head Ratchet	30206	3/16	30604	4
30002	1-1/2" Extension	30207	7/32	30605	5
30004	6" Extension	30208	1/4	30699	5.5
30006A	Spinner Handle	30209	9/32	30606	6
30007	Universal Joint	30210	5/16	30607	7
		30211	11/32	30608	8
		30212	3/8	30609	9
		30214	7/16	30610	10
		30216	1/2	30611	11
		30218	9/16	30612	12
				30613	13
				30614	14

WILLIAMS®

1/4" DRIVE ENCLOSED HEAD RATCHETS

Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
M-52EHA	Chrome Finish Enclosed Head Ratchet	5 1/4	36
M-52EHFA	Chrome Finish Flex Head Ratchet	7	36
MB-52EHA	Black Industrial Finish Enclosed Head Ratchet	5 1/4	36
M-52EHRKA	Repair Kit for Enclosed Head Ratchets		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
  - Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  - Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.



MB-52EHA



M-52EHFA



M-52EHA

WILLIAMS®

1/4" DRIVE ROUND HEAD RATCHET

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
M-52A	Chrome Finish Round Head Ratchet	5	72
M-52ARK	Repair Kit for Round Head Ratchet		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Double pawl design with 72 teeth action provides a 5° ratcheting angle.
- Shift lever reverses action instantly.
- Knurled handle provides a non-slip grip.
- Chrome plating provides increased protection from rust and corrosion.



M-52A

WILLIAMS®

1/4" DRIVE HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
M-106A	Spinner Handle	6
M-15A	Speeder Handle	15 1/2
M-42A	Flex Handle Breaker Bar	5 3/4
M-42RK	Repair Kit for Flex Handle	

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

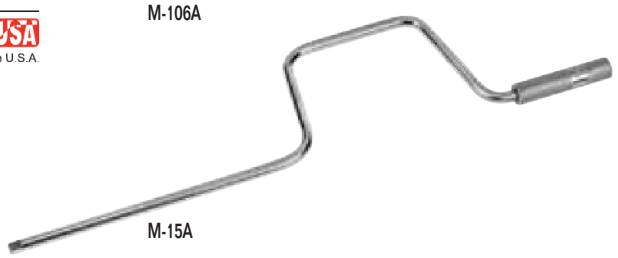
- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Spinner handle features 1/4" drive female handle end.



M-42A



M-106A



M-15A

⚠WARNING







WILLIAMS

1/4" DRIVE EXTENSIONS

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
M-102	Extension	2
M-104	Extension	4
M-115	Extension	6
M-110	Extension	10
M-124	Extension	24
MFE-6	Flexible Extension	6
M-140A	Universal Joint	1 7/16

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Flexible extension is designed for low torque applications in limited access areas.
- Ball and spring socket retention.

WILLIAMS

1/4" DRIVE ADAPTORS

High-Polished Chrome and Black Industrial Finish

Product Code	Length (Inches)	Male End (Inches)	Female End (Inches)
Chrome Finish			
MB-130	1	3/8	1/4
Black Finish			
MB-130B	1	3/8	1/4
MB-131BA	1 1/8	1/4	3/8

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Ball and spring socket retention.

WILLIAMS

1/4" DRIVE RATCHETS AND HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
30001	36 Tooth Quick-Release Ratchet	5 1/4	30001RK
30011	Ultra-Fine 60-Tooth Ratchet	5 1/4	30011RK
30005	Flex Handle	6	
30008	Sliding T-Handle	4 1/2	
30006A	Spinner Handle	6 3/8	
30012	Square Drive Ratchet Wrench	5	

Fed. Spec: ANSI B107.10M

Features

- Ball and spring socket retention.
- Williams 1/4" Drive Ratchets Feature:
  - * Ultra-fine 60 tooth model offers 6° tooth action in a narrow pear head.
  - * Unique Finger-Fit handles to provide a comfortable, non-slip grip and extra turning power.
  - * Choice of 36-tooth quick-release or 60-tooth ultra-fine gear.
  - * Narrow pear-shaped heads for access into confined work areas.
  - * High-polished chrome finish for easy cleaning.
- Spinner handle features three component comfort grip handle.
- 30012 - Drives 1/4" Drive Sockets & 1/4" Hex Bits

WILLIAMS®

1/4" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
30002	Extension	1 ½
30003	Extension	3
30004	Extension	6
30007	Universal Joint Extension	1 ⅜
30009	Adaptor, 1/4" F x 3/8" M	1
30010	Spinner Disk	
30013	Holder for 1/4" Hex Screwdriver Bits	¾
30023	Locking Extension	4
30024	Locking Extension	6
30025	Locking Extension	10
30026	Locking Extension	12
30027	Locking Extension	18
30028	Locking Extension	24

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.



WILLIAMS®

6 PIECE 1/4" DRIVE RATCHET AND DRIVE TOOL SET

Furnished in a Pouch

Product Code	Description
30920	6 Piece 1/4" Drive Ratchet and Accessory Set

Contents Include:

Product Code	Description	Product Code	Description
30001	36 Tooth Quick-Release Ratchet	30005	Flex Handle
30002	1 ½" Extension	30006A	Spinner Handle
30004	6" Extension	30007	Universal Joint

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.



WILLIAMS®

1/4" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
M-1208	¼	⅞	15/32	⅜	7/32	17/32	7/32	7/16
M-1210	5/16	⅞	15/32	15/32	9/32	17/32	7/32	-
M-1211	11/32	⅞	½	½	9/32	17/32	11/32	-
M-1212	⅜	⅞	17/32	17/32	9/32	17/32	⅜	-
M-1214	7/16	⅞	19/32	19/32	⅜	17/32	7/16	-
M-1216	½	⅞	11/16	11/16	⅜	17/32	½	-
M-1218	9/16	29/32	¾	¾	⅜	17/32	7/32	-

Fed. Spec: ANSI B107.110



WSM-7RC 7 Piece 1/4" Drive Shallow 12-Point Socket Set on Clip Rail

Contents Include:

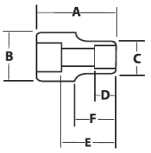
Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
M-1208	¼	M-1211	11/32	M-1214	7/16	M-1218	9/16
M-1210	5/16	M-1212	⅜	M-1216	½		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.





⚠WARNING



M-610 M-606

WILLIAMS®

1/4" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
M-604	1/8	7/8	15/32	7/32	1/8	17/32	1/8	7/16
M-605	5/32	7/8	15/32	7/32	1/8	17/32	5/32	7/16
M-606	3/16	7/8	15/32	7/32	1/8	17/32	3/16	7/16
M-607	7/32	7/8	15/32	7/32	1/8	17/32	7/32	7/16
M-608	1/4	7/8	15/32	7/32	1/8	17/32	7/32	7/16
M-609	9/32	7/8	15/32	7/32	1/8	17/32	1/4	7/16
M-610	5/16	7/8	15/32	7/32	1/8	17/32	1/4	7/16
M-611	11/32	7/8	1/2	1/2	11/32	17/32	11/32	-
M-612	3/8	7/8	9/16	9/16	15/32	17/32	3/8	-
M-614	7/16	7/8	5/8	5/8	15/32	17/32	7/16	-
M-616	1/2	7/8	11/16	11/16	15/32	17/32	1/2	-
M-618	9/16	29/32	3/4	3/4	1/2	17/32	17/32	-
M-620	5/8	31/32	27/32	27/32	9/16	5/8	9/16	-

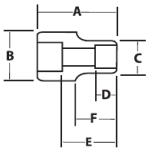
Fed. Spec: ANSI B107.110



WSM-11 HRC

WSM-11HRC 11 Piece 1/4" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:



Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
M-605	5/32	M-608	1/4	M-611	11/32	M-616	1/2
M-606	3/16	M-609	9/32	M-612	3/8	M-618	9/16
M-607	7/32	M-610	5/16	M-614	7/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.



30210 30206

WILLIAMS®

1/4" DRIVE SHALLOW SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30206	3/16	1	15/32	5/16	9/32	19/32	3/16	1/2
30207	7/32	1	15/32	11/32	5/16	19/32	7/32	1/2
30208	1/4	1	15/32	3/8	5/16	19/32	7/32	1/2
30209	9/32	1	15/32	7/16	5/16	19/32	1/4	1/2
30210	5/16	1	15/32	15/32	5/16	19/32	1/4	-
30211	11/32	1	1/2	1/2	5/16	19/32	11/32	-
30212	3/8	1	9/16	9/16	11/32	19/32	3/8	-
30214	7/16	1	5/8	5/8	7/16	19/32	7/16	-
30216	1/2	1	11/16	11/16	7/16	19/32	1/2	-
30218	9/16	1	3/4	3/4	7/16	19/32	17/32	-

Fed. Spec: ANSI B107.110



30923

30923 10 Piece 1/4" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
30206	3/16	30209	9/32	30212	3/8	30218	9/16
30207	7/32	30210	5/16	30214	7/16		
30208	1/4	30211	11/32	30216	1/2		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on both 6 and 12 point fasteners.

WILLIAMS®

1/4" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30105	5/32	1	15/32	5/16	9/32	19/32	3/16	1/2
30106	3/16	1	15/32	5/16	9/32	19/32	3/16	1/2
30107	7/32	1	15/32	11/32	5/16	19/32	7/32	1/2
30108	1/4	1	15/32	3/8	5/16	19/32	7/32	1/2
30109	9/32	1	15/32	7/16	5/16	19/32	1/4	1/2
30110	5/16	1	15/32	15/32	5/16	19/32	1/4	-
30111	11/32	1	1/2	1/2	5/16	19/32	11/32	-
30112	3/8	1	9/16	9/16	11/32	19/32	3/8	-
30114	7/16	1	5/8	5/8	7/16	19/32	7/16	-
30116	1/2	1	11/16	11/16	7/16	19/32	1/2	-
30118	9/16	1	3/4	3/4	7/16	19/32	17/32	-

Fed. Spec: ANSI B107.110



30110 30106

30922 10 Piece 1/4" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
30106	3/16	30109	9/32	30112	3/8	30118	9/16
30107	7/32	30110	5/16	30114	7/16		
30108	1/4	30111	11/32	30116	1/2		



30922

WILLIAMS®

1/4" DRIVE SHALLOW SOCKETS, 8 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
M-808	1/4	7/8	15/32	7/16	1/4	17/32	1/4	7/16
M-810	5/16	7/8	9/16	9/16	9/32	17/32	1/4	-
M-812	3/8	7/8	21/32	21/32	5/16	17/32	3/8	-



M-810

WILLIAMS®

Made in U.S.A.

1/4" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
MD-1210	5/16	2	15/32	7/16	9/32	1 11/16	9/32	1 9/16
MD-1211	11/32	2	1/2	1/2	9/32	1 21/32	11/32	-
MD-1212	3/8	2	17/32	17/32	9/32	1 21/32	3/8	-
MD-1214	7/16	2	19/32	19/32	3/8	1 21/32	13/32	-
MD-1216	1/2	2	11/16	11/16	3/8	1 21/32	15/32	-
MD-1218	9/16	2	3/4	3/4	3/8	1 21/32	17/32	-

Fed. Spec: ANSI B107.110



MD-1216 MD-1210

WSMD-6RC 6 Piece 1/4" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MD-1210	5/16	MD-1212	3/8	MD-1216	1/2
MD-1211	11/32	MD-1214	7/16	MD-1218	9/16

Made in U.S.A.



WSMD-6RC

WSM-20RC 25 Piece 1/4" Drive Shallow & Deep Sockets on Clip Rails

Contents Include:

12-Point Deep Sockets Product Code	Size (Inches)	12-Point Shallow Sockets Product Code	Size (Inches)
30406	3/16	30206	3/16
30407	7/32	30207	7/32
30408	1/4	M-1208	1/4
30409	9/32	30209	9/32
MD-1210	5/16	M-1210	5/16
MD-1211	11/32	M-1211	11/32
MD-1212	3/8	M-1212	3/8
MD-1214	7/16	M-1214	7/16
MD-1216	1/2	M-1216	1/2
MD-1218	9/16	M-1218	9/16



WSM-20RC

WARNING



MD-605 MD-618

WILLIAMS

1/4" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
MD-605	5/32	2	15/32	9/32	5/32	5/32	1 9/16
MD-606	3/16	2	15/32	5/16	3/16	3/16	1 9/16
MD-607	7/32	2	15/32	11/32	7/32	7/32	1 9/16
MD-608	1/4	2	15/32	3/8	7/32	7/32	1 9/16
MD-609	9/32	2	15/32	13/32	1/4	9/32	1 9/16
MD-610	5/16	2	15/32	7/16	9/32	9/32	1 9/16
MD-611	11/32	2	1/2	1/2	9/32	11/32	-
MD-612	3/8	2	17/32	17/32	9/32	3/8	-
MD-614	7/16	2	19/32	19/32	3/8	13/32	-
MD-616	1/2	2	11/16	11/16	3/8	15/32	-
MD-618	9/16	2	3/4	3/4	3/8	17/32	-

Fed. Spec: ANSI B107.110



WSMD-10HRC

WSMD-10HRC 10 Piece 1/4" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MD-606	3/16	MD-609	9/32	MD-612	3/8	MD-618	9/16
MD-607	7/32	MD-610	5/16	MD-614	7/16		
MD-608	1/4	MD-611	11/32	MD-616	1/2		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.



30410 30406

WILLIAMS

1/4" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30406	3/16	1 31/32	15/32	5/16	5/16	1 5/16	1/8	1 1/32
30407	7/32	1 31/32	15/32	11/32	3/8	1 5/16	3/16	15/16
30408	1/4	1 31/32	15/32	7/16	13/16	1 11/32	7/32	1 1/32
30409	9/32	1 31/32	15/32	7/16	25/32	1 11/32	1/4	31/32
30410	5/16	1 31/32	15/32	15/32	13/16	1 5/16	9/32	-
30411	11/32	1 31/32	1/2	1/2	23/32	1 5/16	9/32	-
30412	3/8	1 31/32	9/16	9/16	7/8	1 11/32	5/16	-
30414	7/16	1 31/32	5/8	5/8	7/8	1 1/2	13/32	-
30416	1/2	1 31/32	11/16	11/16	27/32	1 17/32	7/16	-
30418	9/16	1 31/32	3/4	3/4	29/32	1 9/16	17/32	-

Fed. Spec: ANSI B107.110



30937

30937 10 Piece 1/4" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
30406	3/16	30409	9/32	30412	3/8	30418	9/16
30407	7/32	30410	5/16	30414	7/16		
30408	1/4	30411	11/32	30416	1/2		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.

WILLIAMS®

1/4" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30305	5/32	1 31/32	15/32	5/16	5/16	1 5/16	1/8	1 1/32
30306	3/16	1 31/32	15/32	5/16	5/16	1 5/16	1/8	1 1/32
30307	7/32	1 31/32	15/32	11/32	3/8	1 5/16	3/16	15/16
30308	1/4	1 31/32	15/32	7/16	13/16	1 11/32	7/32	1 1/32
30309	9/32	1 31/32	15/32	7/16	25/32	1 11/32	1/4	31/32
30310	5/16	1 31/32	15/32	15/32	13/16	1 5/16	9/32	-
30311	11/32	1 31/32	1/2	1/2	23/32	1 5/16	9/32	-
30312	3/8	1 31/32	9/16	9/16	7/8	1 11/32	5/16	-
30314	7/16	1 31/32	5/8	5/8	7/8	1 1/2	13/32	-
30316	1/2	1 31/32	11/16	11/16	27/32	1 17/32	7/16	-
30318	9/16	1 31/32	3/4	3/4	29/32	1 9/16	17/32	-

Fed. Spec: ANSI B107.110



30310 30306



30924

30924 10 Piece 1/4" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
30306	3/16	30309	9/32	30312	3/8	30318	9/16
30307	7/32	30310	5/16	30314	7/16		
30308	1/4	30311	11/32	30316	1/2		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

WILLIAMS®

1/4" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
MM-604	4	7/8	15/32	9/32	3/16	17/32	5/32	7/16
MM-605	5	7/8	15/32	5/16	3/16	17/32	5/32	7/16
MM-605.5	5.5	7/8	15/32	11/32	3/16	17/32	7/32	7/16
MM-606	6	7/8	15/32	3/8	7/32	17/32	7/32	7/16
MM-607	7	7/8	15/32	13/32	1/4	17/32	1/4	7/16
MM-608	8	7/8	15/32	15/32	9/32	17/32	1/4	7/16
MM-609	9	7/8	1/2	1/2	1/2	17/32	5/16	-
MM-610	10	7/8	9/16	9/16	1/2	17/32	3/8	-
MM-611	11	7/8	19/32	19/32	1/2	17/32	13/32	-
MM-612	12	7/8	21/32	21/32	1/2	17/32	7/16	-
MM-613	13	7/8	23/32	23/32	15/32	17/32	15/32	-
MM-614	14	29/32	3/4	3/4	1/2	17/32	17/32	-

Fed. Spec: ANSI B107.110



MM-608 MM-604



MSM-12HRC

MSM-12HRC 12 Piece 1/4" Drive Shallow 6 Point Socket Set on Clip Rail

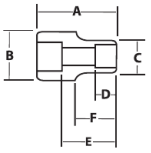
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
MM-604	4	MM-606	6	MM-609	9	MM-612	12
MM-605	5	MM-607	7	MM-610	10	MM-613	13
MM-605.5	5 1/2	MM-608	8	MM-611	11	MM-614	14

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.



WARNING

WILLIAMS



1/4" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30604A	4	1	15/32	1/4	1/4	19/32		1/2
30605A	5	1	15/32	5/16	5/16	19/32		1/2
30699A	5.5	1	15/32	11/32	15/32	19/32		1/2
30606A	6	1	15/32	11/32	5/16	19/32		1/2
30607A	7	1	15/32	7/16	5/16	15/32		1/2
30608A	8	1	15/32	15/32	3/8	1/2		-
30609A	9	1	17/32	17/32	3/8	21/32		-
30610A	10	1	19/32	19/32	1/2	7/8		-
30611A	11	1	5/8	5/8	17/32	7/8		-
30612A	12	1	11/16	11/16	1/2	7/8		-
30613A	13	1	23/32	23/32	1/2	7/8		-
30614A	14	1	3/4	3/4	1/2	7/8		-

Fed. Spec: ANSI B107.110



30925

30925 12 Piece 1/4" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
30604	4	30606	6	30609	9	30612	12
30605	5	30607	7	30610	10	30613	13
30699	5.5	30608	8	30611	11	30614	14

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.

WILLIAMS



1/4" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30504	4	1	15/32	1/4	1/4	19/32		1/2
30598	4.5	1	15/32	1/4	1/4	19/32		1/2
30505	5	1	15/32	5/16	5/16	19/32		1/2
30599	5.5	1	15/32	11/32	15/32	19/32		1/2
30506	6	1	15/32	11/32	5/16	19/32		1/2
30507	7	1	15/32	7/16	5/16	15/32		1/2
30508	8	1	15/32	15/32	3/8	1/2		-
30509	9	1	17/32	17/32	3/8	21/32		-
30510	10	1	19/32	19/32	1/2	7/8		-
30511	11	1	5/8	5/8	17/32	7/8		-
30512	12	1	11/16	11/16	1/2	7/8		-
30513	13	1	23/32	23/32	1/2	7/8		-
30514	14	1	3/4	3/4	1/2	7/8		-

Fed. Spec: ANSI B107.110



30926

30926 12 Piece 1/4" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
30504	4	30506	6	30509	9	30512	12
30505	5	30507	7	30510	10	30513	13
30599	5.5	30508	8	30511	11	30514	14

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

WILLIAMS®

1/4" DRIVE DEEP SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
MMD-604	4	2	15/32	9/32	3/16	1 21/32	1/8	1 9/16
MMD-605	5	2	15/32	5/16	3/16	1 21/32	5/32	1 9/16
MMD-605.5	5.5	2	15/32	5/16	7/32	1 21/32	7/32	1 9/16
MMD-606	6	2	15/32	3/8	7/32	1 21/32	7/32	1 9/16
MMD-607	7	2	15/32	13/32	1/4	1 21/32	1/4	1 9/16
MMD-608	8	2	15/32	15/32	9/32	1 21/32	1/4	1 9/16
MMD-609	9	2	1/2	1/2	9/32	1 21/32	5/16	-
MMD-610	10	2	9/16	9/16	9/32	1 21/32	3/8	-
MMD-611	11	2	19/32	19/32	3/8	1 21/32	13/32	-
MMD-612	12	2	21/32	21/32	3/8	1 21/32	7/16	-
MMD-613	13	2	23/32	23/32	3/8	1 21/32	15/32	-
MMD-614	14	2	3/4	3/4	7/16	1 21/32	17/32	-

Fed. Spec: ANSI B107.110



MMD-614 MMD-606

MSMD-12HRC 12 Piece 1/4" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
MMD-604	4	MMD-606	6	MMD-609	9	MMD-612	12
MMD-605	5	MMD-607	7	MMD-610	10	MMD-613	13
MMD-605.5	5.5	MMD-608	8	MMD-611	11	MMD-614	14



MSMD-12HRC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.

WILLIAMS®

1/4" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30804	4	2	15/32	9/32	3/16	1 21/32	1/8	15/16
30805	5	2	15/32	5/16	3/16	1 21/32	5/32	15/16
30855	5.5	2	15/32	5/16	7/32	1 21/32	7/32	15/16
30806	6	2	15/32	3/8	7/32	1 21/32	7/32	15/16
30807	7	2	15/32	13/32	1/4	1 21/32	1/4	15/16
30808	8	2	15/32	15/32	9/32	1 21/32	1/4	15/16
30809	9	2	1/2	1/2	9/32	1 21/32	5/16	-
30810	10	2	9/16	9/16	9/32	1 21/32	3/8	-
30811	11	2	19/32	19/32	3/8	1 21/32	13/32	-
30812	12	2	21/32	21/32	3/8	1 21/32	7/16	-
30813	13	2	23/32	23/32	3/8	1 21/32	15/32	-
30814	14	2	3/4	3/4	7/16	1 21/32	17/32	-

Fed. Spec: ANSI B107.110



30808 30804

30941 12 Piece 1/4" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
30804	4	30806	6	30809	9	30812	12
30805	5	30807	7	30810	10	30813	13
30855	5.5	30808	8	30811	11	30814	14



30941

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on both 6 and 12 point fasteners.

⚠WARNING



30708 30704



30939

WILLIAMS®

1/4" DRIVE DEEP SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30704	4	2	15/32	9/32	3/16	1 21/32	1/8	5/16
30705	5	2	15/32	5/16	3/16	1 21/32	5/32	5/16
30755	5.5	2	15/32	5/16	7/32	1 21/32	7/32	5/16
30706	6	2	15/32	3/8	7/32	1 21/32	7/32	5/16
30707	7	2	15/32	13/32	1/4	1 21/32	1/4	5/16
30708	8	2	15/32	15/32	9/32	1 21/32	1/4	5/16
30709	9	2	1/2	1/2	9/32	1 21/32	9/16	-
30710	10	2	9/16	9/16	9/32	1 21/32	3/8	-
30711	11	2	19/32	19/32	3/8	1 21/32	13/32	-
30712	12	2	21/32	21/32	3/8	1 21/32	7/16	-
30713	13	2	23/32	23/32	3/8	1 21/32	15/32	-
30714	14	2	3/4	3/4	7/16	1 21/32	17/32	-

Fed. Spec: ANSI B107.110

30939 12 Piece 1/4" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
30704	4	30706	6	30709	9	30712	12
30705	5	30707	7	30710	10	30713	13
30755	5.5	30708	8	30711	11	30714	14

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.



MA-4A



WSM-11TRC

WILLIAMS®

1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
MA-050A	.050	7/8	15/32	1 1/2	BITH05001
MA-2A	1/16	7/8	15/32	1 1/2	BITH0201
MA-2 1/2A	5/64	7/8	15/32	1 1/2	BITH2.501
MA-3A	3/32	7/8	15/32	1 1/2	BITH0301
MA-3 1/2A	7/64	7/8	15/32	1 1/2	BITH3.501
MA-4A	1/8	7/8	15/32	1 1/2	BITH0401
MA- 4 1/2A	9/64	7/8	15/32	1 1/2	BITH4.501
MA-5A	5/32	7/8	15/32	1 1/2	BITH0501
MA-6A	3/16	7/8	15/32	1 1/2	BITH0601
MA-7A	7/32	7/8	15/32	1 1/2	BITH0701
MA-8A	1/4	7/8	15/32	1 1/2	BITH0801
MA-10A	5/16	7/8	15/32	1 1/2	BITH1001

WSM-11TRC 11 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MA-2A	1/16	MA-4A	1/8	MA-7A	7/32
MA-2 1/2A	5/64	MA-4 1/2A	9/64	MA-8A	1/4
MA-3A	3/32	MA-5A	5/32	MA-10A	5/16
MA-3 1/2A	7/64	MA-6A	3/16		

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.

WILLIAMS

1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35000	1/8	13/16	15/32	1 13/32	5/8
35001	5/32	13/16	15/32	1 13/32	5/8
35002	3/16	13/16	15/32	1 13/32	5/8
35003	7/32	13/16	15/32	1 13/32	5/8
35004	1/4	13/16	15/32	1 13/32	5/8
35005	5/16	13/16	15/32	1 13/32	5/8



35000

30902 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35000	1/8	35002	3/16	35004	1/4
35001	5/32	35003	7/32	35005	5/16



30902

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS

1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35070	3	13/16	15/32	1 13/32	5/8
35071	4	13/16	15/32	1 13/32	5/8
35072	5	13/16	15/32	1 13/32	5/8
35073	6	13/16	15/32	1 13/32	5/8
35074	7	13/16	15/32	1 13/32	5/8
35075	8	13/16	15/32	1 13/32	5/8



35070

30904 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35070	3	35072	5	35074	7
35071	4	35073	6	35075	8



30904

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS

1/4" DRIVE BALL TIP HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code (Inches)
MA-3HBA	3/32	7/8	15/32	1 1/2	BITHB03-01
MA-4HBA	1/8	7/8	15/32	1 1/2	BITHB04-01
MA-4½HBA	9/64	7/8	15/32	1 1/2	BITHB4.5-01
MA-5HBA	5/32	7/8	15/32	1 1/2	BITHB05-01
MA-6HBA	3/16	7/8	15/32	1 1/2	BITHB06-01
MA-7HBA	7/32	7/8	15/32	1 1/2	BITHB07-01
MA-8HBA	1/4	7/8	15/32	1 1/2	BITHB08-01



MA-3HBA

WSM-7HBA 7 Piece Ball Tip Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MA-3HBA	3/32	MA-5HBA	5/32	MA-8HBA	1/4
MA-4HBA	1/8	MA-6HBA	3/16		
MA-4½HBA	9/64	MA-7HBA	7/32		



WSM-7HBA

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.

WARNING



MA-5LA



WSMS-9LRC

WILLIAMS®

1/4" DRIVE LONG HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
MA-3LA	3/32	7/8	15/32	3	BITH03-02
MA-3 1/2LA	7/64	7/8	15/32	3	BITH3.5-02
MA-4LA	1/8	7/8	15/32	3	BITH04-02
MA-4 1/2LA	9/64	7/8	15/32	3	BITH4.5-02
MA-5LA	5/32	7/8	15/32	3	BITH05-02
MA-6LA	3/16	7/8	15/32	3	BITH06-02
MA-7LA	7/32	7/8	15/32	3	BITH07-02
MA-8LA	1/4	7/8	15/32	3	BITH08-02
MA-10LA	5/16	7/8	15/32	3	BITH10-02

WSMS-9LRC 9 Piece Long Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MA-3LA	3/32	MA-4 1/2LA	9/64	MA-7LA	7/32
MA-3 1/2LA	7/64	MA-5LA	5/32	MA-8LA	1/4
MA-4LA	1/8	MA-6LA	3/16	MA-10LA	5/16

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.



35020



30943

WILLIAMS®

1/4" DRIVE MID LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35020	1/8	25/32	15/32	1 13/16	1
35021	5/32	25/32	15/32	1 13/16	1
35022	3/16	25/32	15/32	1 13/16	1
35023	7/32	25/32	15/32	1 13/16	1
35024	1/4	25/32	15/32	1 13/16	1
35025	5/16	25/32	15/32	1 13/16	1

30943 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35020	1/8	35022	3/16	35024	1/4
35021	5/32	35023	7/32	35025	5/16

Features

- High-polished chrome finish socket cleans easily.



35063



30945

WILLIAMS®

1/4" DRIVE MID LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35063	3	25/32	15/32	1 13/16	1
35064	4	25/32	15/32	1 13/16	1
35065	5	25/32	15/32	1 13/16	1
35066	6	25/32	15/32	1 13/16	1
35067	7	25/32	15/32	1 13/16	1
35068	8	25/32	15/32	1 13/16	1

30945 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35063	3	35065	5	35067	7
35064	4	35066	6	35068	8

Features

- High-polished chrome finish socket cleans easily.

1/4" DRIVE STUBBY HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
MA-4SA	1/8	7/8	15/32	1 1/16	TMAXS4E2
MA-4.5SA	9/64	7/8	15/32	1 1/16	TMAXS4.5E2
MA-5SA	5/32	7/8	15/32	1 1/16	TMAXS5E2
MA-6SA	3/16	7/8	15/32	1 1/16	TMAXS6E2



MA-45A

WSM-4TRC 4 Piece Stubby Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
MA-4SA	1/8	MA-5SA	5/32
MA-4.5SA	9/64	MA-6SA	3/16



WSM-4TRC

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.
- Extra-short bits provide access in confined areas.

Made in U.S.A.

1/4" DRIVE TORX® BIT SOCKETS

High-Polished Chrome Finish

Product Code	Torx® Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35079	T8	13/16	1/2	1 13/32	5/8
35080	T10	13/16	1/2	1 13/32	5/8
35081	T15	13/16	1/2	1 13/32	5/8
35082	T20	13/16	1/2	1 13/32	5/8
35083	T25	13/16	1/2	1 13/32	5/8
35084	T27	13/16	1/2	1 13/32	5/8
35085	T30	13/16	1/2	1 13/32	5/8



35080

30908 6 Piece Torx® Bit Socket Set on Clip Rail

Contents Include:

Product Code	Torx® Size	Product Code	Torx® Size	Product Code	Torx® Size
35080	T10	35082	T20	35084	T27
35081	T15	35083	T25	35085	T30



30908

Features

- High-polished chrome finish socket cleans easily.

1/4" DRIVE SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish, Phillips® and Slotted

Product Code	Tip Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
Slotted Bits:					
35040	5/32	13/16	15/32	1 13/32	5/8
35041	7/32	13/16	15/32	1 13/32	5/8
35042	9/32	13/16	15/32	1 13/32	5/8
Phillips® Bits:					
35050	#0	13/16	15/32	1 13/32	5/8
35051	#1	13/16	15/32	1 13/32	5/8
35052	#2	13/16	15/32	1 13/32	5/8
35053	#3	13/16	15/32	1 13/32	5/8



30906

30906 6 Piece Screwdriver Bit Socket Set on Clip Rail

Contents Include:

Product Code	Tip Size (Inches)	Product Code	Tip Size (Inches)	Product Code	Tip Size
35040	5/32	35042	9/32	35051	#1
35041	7/32	35050	#0	35052	#2

Features

- High-polished chrome finish socket cleans easily.

WARNING

WILLIAMS

56 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

8 & 12 Point SAE, with Metal Box

Product Code	Description
WSB-56FTB	56 Piece Tool Set with TB-104 Metal Tool Box (Keep-Safe-Foam is not included)
WSB-56F	56 Piece Tool Set Only Packed in Keep-Safe-Foam System



WSB-56FTB

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension
B-115	11" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint
B-20A	Sliding T-Handle

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1208	1/4
B-1210	5/16
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8
B-1230	15/16
B-1232	1

Deep 12-Point Sockets

Product Code	Size (Inches)
BD-1212	3/8
BD-1214	7/16
BD-1216	1/2
BD-1218	9/16
BD-1220	5/8
BD-1222	11/16
BD-1224	3/4
BD-1226	13/16
BD-1228	7/8
BD-1230	15/16
BD-1232	1

Shallow 8-Point Sockets

Product Code	Size (Inches)
BD-808	1/4
BD-810	5/16
BD-812	3/8
BD-814	7/16
BD-816	1/2

Shallow 12-Point Universal Sockets

Product Code	Size (Inches)
BU-1212	3/8
BU-1214	7/16
BU-1216	1/2
BU-1218	9/16
BU-1220	5/8
BU-1222	11/16
BU-1224	3/4

Standard Hex Bit Sockets

Product Code	Size (Inches)
BA-4A	1/8
BA-5A	5/32
BA-6A	3/16
BA-7A	7/32
BA-8A	1/4
BA-10A	5/16
BA-12A	3/8

Screwdriver Bit Sockets

Product Code	Size
BA-7A-2S	7/32" x .040"
BA-10A-3S	9/32" x .045"
BA-10A-4S	5/16" x .055"
BA-7A-2P	#2
BA-10A-3P	#3
BA-12A-4P	#4

Features

Made in U.S.A.

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS

32 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

8 & 12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-32FTB	32 Piece Tool Set with TB-104 Metal Tool Box
WSB-32F	32 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-115	11" Extension
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8

Deep 12-Point Sockets

Product Code	Size (Inches)
BD-1212	3/8
BD-1214	7/16
BD-1216	1/2
BD-1218	9/16
BD-1220	5/8
BD-1222	11/16
BD-1224	3/4
BD-1226	13/16
BD-1228	7/8

Shallow 8-Point Sockets

Product Code	Size (Inches)
BD-808	1/4
BD-810	5/16
BD-812	3/8

Shallow 12-Point Universal Sockets

Product Code	Size (Inches)
BU-1212	3/8
BU-1214	7/16
BU-1216	1/2
BU-1218	9/16
BU-1220	5/8

Made in U.S.A.

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Metal tool box made for years of rugged use.





WSB-32FTB

WARNING



WSB-28FTB

WILLIAMS

28 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-28FTB	28 Piece Tool Set with TB-104 Metal Tool Box
WSB-28F	28 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1208	1/4
B-1210	5/16
B-1211	11/32
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8
B-1230	15/16
B-1232	1

Deep 12-Point Sockets

Product Code	Size (Inches)
BD-1212	3/8
BD-1214	7/16
BD-1216	1/2
BD-1218	9/16
BD-1220	5/8
BD-1222	11/16
BD-1224	3/4
BD-1226	13/16
BD-1228	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSB-23HFTB

WILLIAMS

23 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-23HFTB	23 Piece Tool Set with TB-102 Metal Tool Box
WSB-23HF	23 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (Inches)
B-612	3/8
B-614	7/16
B-616	1/2
B-618	9/16
B-620	5/8
B-622	11/16
B-624	3/4
B-626	13/16
B-628	7/8

Deep 6-Point Sockets

Product Code	Size (Inches)
BD-612	3/8
BD-614	7/16
BD-616	1/2
BD-618	9/16
BD-620	5/8
BD-622	11/16
BD-624	3/4
BD-626	13/16
BD-628	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

23 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-23FTB	23 Piece Tool Set with TB-102 Metal Tool Box
WSB-23F	23 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8

Deep 12-Point Sockets

Product Code	Size (Inches)
BD-1212	3/8
BD-1214	7/16
BD-1216	1/2
BD-1218	9/16
BD-1220	5/8
BD-1222	11/16
BD-1224	3/4
BD-1226	13/16
BD-1228	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSB-23FTB

WILLIAMS®

15 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-15FTB	15 Piece Tool Set with TB-102 Metal Tool Box
WSB-15F	15 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension
B-115	11" Extension
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSB-15FTB

⚠WARNING



WSB-12HFTB

WILLIAMS®

12 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-12HFTB	12 Piece Tool Set with TB-101 Metal Tool Box
WSB-12HF	12 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-612	3/8
B-614	7/16
B-616	1/2
B-618	9/16
B-620	5/8
B-622	11/16
B-624	3/4
B-626	13/16
B-628	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSMB-29FTB

WILLIAMS®

29 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point SAE & Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSMB-29FTB	29 Piece Tool Set with TB-103 Metal Tool Box
WSMB-29F	29 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension

Drive Tools:

Product Code	Description
B-110	6" Extension
B-140A	Universal Joint

Shallow 6-Point Sockets, SAE

Product Code	Size (Inches)
B-608	1/4
B-610	5/16
B-612	3/8
B-614	7/16
B-616	1/2
B-618	9/16

Shallow 6-Point Sockets, mm

Product Code	Metric Size (mm)
BM-606	6
BM-607	7
BM-608	8
BM-609	9
BM-610	10
BM-611	11
BM-612	12
BM-613	13
BM-614	14
BM-615	15
BM-616	16
BM-617	17
BM-618	18
BM-619	19

Shallow 12-point Sockets, SAE

Product Code	Size (Inches)
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

39 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-39FTB	39 Piece Tool Set with TB-104 Metal Tool Box
MSB-39F	39 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension
B-115	11" Extension
BFE-8	8" Flexible Extension
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Deep 6-Point Sockets

Product Code	Size (MM)
BMD-608	8
BMD-609	9
BMD-610	10
BMD-611	11
BMD-612	12
BMD-613	13
BMD-614	14
BMD-615	15
BMD-616	16
BMD-617	17
BMD-618	18
BMD-619	19

Drive Tools:

Product Code	Description
B-20A	Sliding T-Handle
B-70	Ratchet Spinner

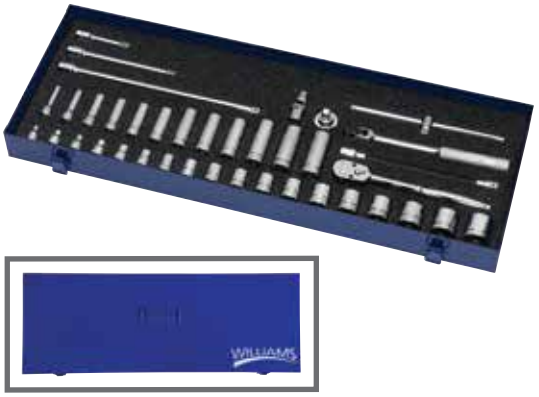
Shallow 12-Point Sockets

Product Code	Size (MM)
BM-1206	6
BM-1207	7
BM-1208	8
BM-1209	9
BM-1210	10
BM-1211	11
BM-1212	12
BM-1213	13
BM-1214	14
BM-1215	15
BM-1216	16
BM-1217	17
BM-1218	18
BM-1219	19
BM-1220	20
BM-1221	21
BM-1222	22
BM-1224	24

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.





MSB-39FTB

⚠WARNING



MSB-29HFTB

WILLIAMS®

6 M

29 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-29HFTB	29 Piece Tool Set with TB-103 Metal Tool Box
MSB-29HF	29 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (MM)
BM-608	8
BM-609	9
BM-610	10
BM-611	11
BM-612	12
BM-613	13
BM-614	14
BM-615	15
BM-616	16
BM-617	17
BM-618	18
BM-619	19

Deep 6-Point Sockets

Product Code	Size (MM)
BMD-608	8
BMD-609	9
BMD-610	10
BMD-611	11
BMD-612	12
BMD-613	13
BMD-614	14
BMD-615	15
BMD-616	16
BMD-617	17
BMD-618	18
BMD-619	19

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



MSB-29FTB

WILLIAMS®

6 12 M

29 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-29FTB	29 Piece Tool Set with TB-103 Metal Tool Box
MSB-29F	29 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (MM)
BM-1208	8
BM-1209	9
BM-1210	10
BM-1211	11
BM-1212	12
BM-1213	13
BM-1214	14
BM-1215	15
BM-1216	16
BM-1217	17
BM-1218	18
BM-1219	19

Deep 6-Point Sockets

Product Code	Size (MM)
BMD-608	8
BMD-609	9
BMD-610	10
BMD-611	11
BMD-612	12
BMD-613	13
BMD-614	14
BMD-615	15
BMD-616	16
BMD-617	17
BMD-618	18
BMD-619	19

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

18 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-18HFTB	18 Piece Tool Set with TB-102 Metal Tool Box
MSB-18HF	18 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:		**Drive Tools:**	
Product Code	Description	Product Code	Description
B-52EHA	8" Enclosed Head Ratchet	B-110	6" Extension
B-108	3" Extension	B-140A	Universal Joint

Shallow 6-Point Sockets		**Shallow 6-Point Sockets**	
Product Code	Size (MM)	Product Code	Size (MM)
BM-606	6	BM-613	13
BM-607	7	BM-614	14
BM-608	8	BM-615	15
BM-609	9	BM-616	16
BM-610	10	BM-617	17
BM-611	11	BM-618	18
BM-612	12	BM-619	19

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.





MSB-18HFTB

WILLIAMS®

17 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-17FTB	17 Piece Tool Set with TB-102 Metal Tool Box
MSB-17F	17 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:		**Drive Tools:**	
Product Code	Description	Product Code	Description
B-52EHA	8" Enclosed Head Ratchet	B-40A	8 9/16" Flex Handle
B-108	3" Extension	B-140A	Universal Joint
B-110	6" Extension		

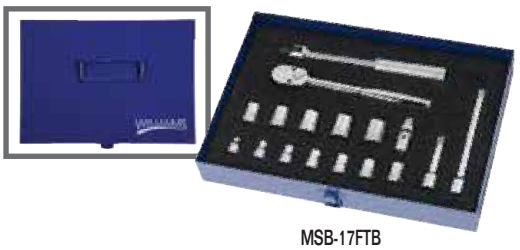
Shallow 12-Point Sockets		**Shallow 12-Point Sockets**	
Product Code	Size (MM)	Product Code	Size (MM)
BM-1208	8	BM-1214	14
BM-1209	9	BM-1215	15
BM-1210	10	BM-1216	16
BM-1211	11	BM-1217	17
BM-1212	12	BM-1218	18
BM-1213	13	BM-1219	19

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.





MSB-17FTB

⚠WARNING

WILLIAMS®

12 M

16 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-16FTB	16 Piece Tool Set with TB-102 Metal Tool Box
MSB-16F	16 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension

Shallow 12-Point Sockets

Product Code	Size (MM)
BM-1208	8
BM-1209	9
BM-1210	10
BM-1211	11
BM-1212	12
BM-1213	13
BM-1214	14
BM-1216	16
BM-1217	17
BM-1218	18
BM-1220	20
BM-1221	21
BM-1222	22
BM-1224	24



Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



MSB-16FTB

WILLIAMS®

146 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50614A	146 Piece 1/4", 3/8", 1/2" Drive Socket Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	Ratchet
30003	3" Extension
30006A	Handle
30007	Universal Joint

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets, MM

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips Tip
35051	#1 Phillips Tip
35052	#2 Phillips Tip

1/4" Drive Torx Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension
31008	Adaptor - 3/8" F x 1/4" M

3/8" Drive Deep 12 Point Sockets, MM

Product Code	Size (MM)
31806	6
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

3/8" Drive Deep 12 Point Sockets, SAE

Product Code	Size (Inches)
31408	1/4
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Spark Plug Socket

Product Code	Size (Inches)
31301	5/8
31303	13/16

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32003	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor - 1/2" F x 3/8" M

1/2" Drive Shallow 12 Point Sockets,SAE

Product Code	Size (Inches)
32212	3/8
32214	7/16
32216	1/2
32218	9/16
32220	5/8
32222	11/16
32224	3/4
32226	13/16
32228	7/8
32230	15/16
32232	1



50614A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠WARNING

WILLIAMS

138 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50612A	138 Piece 1/4", 3/8", 1/2" Drive Socket Set



50612A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	Ratchet
30002	1-1/2" Extension
30003	3" Extension
30006A	Spinner Handle
30007	Universal Joint
30013	Hex Bit Holder
24880	13 Piece Insert Bit Set

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30305	5/32
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31008	Adaptor
31013	Hex Bit Holder

3/8" Drive Deep 12 Point Sockets, MM

Product Code	Size (MM)
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

3/8" Drive Deep 12 Point Sockets, SAE

Product Code	Size (Inches)
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32003	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor

1/2" Drive Shallow 12 Point Sockets, MM

Product Code	Size (MM)
32610	10
32611	11
32612	12
32613	13
32614	14
32615	15
32616	16
32617	17
32618	18
32619	19
32621	21
32622	22
32624	24
32627	27
32630	30
32632	32

1/2" Drive Shallow 12 Point Sockets,SAE

Product Code	Size (Inches)
32212	3/8
32214	7/16
32216	1/2
32218	9/16
32220	5/8
32222	11/16
32224	3/4
32226	13/16
32228	7/8
32230	15/16
32232	1
32234	1 1/16
32236	1 1/8
32238	1 3/16
32240	1 1/4

WILLIAMS®

95 PIECE 1/4" & 3/8" DRIVE MASTER SOCKET & TOOL SET

6 & 12 Point Rugged-Case-System Tool Set, SAE

Product Code	Description
50611A	95 Piece Master Socket, Wrench, and Screwdriver Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	36 Tooth Quick-Release Ratchet
30002	1 1/2" Extension
30003	3" Extension
30005	Flex Handle
30006A	Spinner Handle
30007	Universal Joint
30009	1/4" F x 3/8" M Adapter

1/4" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Deep 6-Point Sockets

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2
30318	9/16

1/4" Drive Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter

Comfort Grip Screwdrivers

Product Code	Description
24205A	3/16" x 4" Slotted
24219A	1/4" x 4" Slotted
24249A	#1 x 3" Phillips®
24253A	#2 x 4" Phillips®

1/4" Drive Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

1/4" Drive Torx® Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Deep 12-Point Sockets

Product Code	Size (Inches)
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

12 Point Combination Wrenches

Product Code	Size (Inches)
11108	1/4
11110	5/16
11112	3/8
11114	7/16
11116	1/2
11118	9/16
11120	5/8
11122	11/16
11124	3/4



50611A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠WARNING

WILLIAMS®

89 PIECE 1/4" & 3/8" DRIVE MASTER SOCKET AND TOOL SET

6 & 12 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
50622A	89 Piece Master Socket, Wrench and Screwdriver Set



50622A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	36 Tooth Quick-Release Ratchet
30002	1½" Extension
30003	3" Extension
30005	Flex Handle
30006A	Spinner Handle
30007	Universal Joint
30009	¼" F x ⅜" M Adapter

1/4" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
30504	4
30505	5
30599	5 ½
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

1/4" Drive Torx® Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	⅜" F x ¼" M Adapter
31009	⅜" F x ½" M Adapter

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Deep 12-Point Sockets

Product Code	Size (MM)
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

Comfort Grip Screwdrivers

Product Code	Description
24205A	3/16" x 4" Slotted
24219A	¼" x 4" Slotted
24249A	#1 x 3" Phillips®
24253A	#2 x 4" Phillips®

12 Point Combination Wrenches

Product Code	Size (MM)
11506	6
11508	8
11510	10
11512	12
11513	13
11514	14
11515	15
11517	17
11519	19

WILLIAMS®

79 PIECE 3/8" DRIVE DELUXE TOOL SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric, with 1/4" Hex Screwdriver Bits

Product Code	Description
50607A	79 Piece 3/8" Drive Deluxe Tool Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006A	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter

3/8" Drive Shallow 6-Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive, SAE Deep 12-Point Sockets

Product Code	Size (Inches)
31408	1/4
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

3/8" Drive Shallow 6-Point Sockets, Metric

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Deep 12-Point Sockets, Metric

Product Code	Size (MM)
31806	6
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip



50607A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠WARNING

WILLIAMS

63 PIECE 3/8" DRIVE SOCKET, SCREWDRIVER, & WRENCH SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50605A	63 Piece 3/8" Drive Socket, Screwdriver, and Wrench Set



50605A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006A	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter

12 Point Combination Wrenches

Product Code	Size (Inches)
11108	1/4
11110	5/16
11112	3/8
11114	7/16
11116	1/2
11118	9/16
11120	5/8

Comfort Grip Screwdrivers

Product Code	Description
24205A	3/16" x 4" Slotted
24219A	1/4" x 4" Slotted
24249A	#1 x 3" Phillips®
24253A	#2 x 4" Phillips®

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip

3/8" Drive Shallow 6-Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Shallow 6-Point Sockets, Metric

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip

WILLIAMS®

58 PIECE 3/8" DRIVE SOCKET, SCREWDRIVER, & PLIERS SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50615A	58 Piece 3/8" Drive Socket, Screwdriver and Pliers Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006A	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter
31013	1/4" Hex Bit Holder

Adjustable Wrench

Product Code	Size (Inches)
13408	8"

Pliers

Product Code	Description
23102	8" Slip Joint Pliers
23105	9 3/4" Groove Joint Pliers
23407	7" Diagonal Cutting Pliers
23410	6 1/4" Long Nose Pliers W / Cutter

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip

3/8" Drive Shallow 6-Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Shallow 6-Point Sockets, Metric

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip



50615A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠WARNING

WILLIAMS®



50613A

35 PIECE 3/8" DRIVE BASIC TOOL SET

6 Point Rugged-Case-System Tool Set, Metric, with 1/4" Hex Screwdriver Bits

Product Code	Description
50613A	35 Piece Basic Tool Set, Metric

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006A	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	7 3/4" Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31013	1/4" Hex Bit Holder

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS®

34 PIECE 3/8" DRIVE BASIC TOOL SET

6 Point Rugged-Case-System Tool Set, SAE, with 1/4" Hex Screwdriver Bits

Product Code	Description
50603A	34 Piece Basic Tool Set, SAE



50603A

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006A	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	7 3/4" Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31013	1/4" Hex Bit Holder

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS®

22 PIECE 3/8" DRIVE BOLT THRU SOCKET SET

6 Point Compact Case Tool Set, SAE & MM

Product Code	Description
50671	22 Piece 3/8" Drive Bolt Thru Socket Set



50671

Contents Include:

3/8" Drive Tools:

Product Code	Description
31018	Locking Flexible Ratchet
31019	3" Extension
31020	Adaptor

3/8" Drive Shallow 6 Point Sockets:

Product Code	Size (Inches)
31612BT	3/8
31614BT	7/16
31616BT	1/2
31618BT	9/16
31620BT	5/8
31622BT	11/16
31624BT	3/4

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (mm)
31708BT	8
31709BT	9
31710BT	10
31711BT	11
31712BT	12
31713BT	13
31714BT	14
31715BT	15
31716BT	16
31717BT	17
31718BT	18
31719BT	19

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Ratchet with 7 locking positions and flex head design.

⚠WARNING



50664

WILLIAMS®

18 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point Compact Case Tool Set, SAE

Product Code	Description
50664	18 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/8" Drive Tools:

Product Code	Description
31001	7 3/4" Pear Head Ratchet
31002	3" Extension
31003	6" Extension

3/8" Drive Shallow 6 Point Sockets:

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

3/8" Drive Deep 12 Point Sockets:

Product Code	Size (Inches)
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4

3/8" Drive Spark Plug Socket:

Product Code	Size (Inches)
31301	5/8

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50666

WILLIAMS®

47 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point Compact Case Tool Set, SAE & Metric

Product Code	Description
50666	47 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/84" Drive Tools:

Product Code	Description
31001	5 1/4" Pear Head Ratchet
31002	3" Extension
31003	1 1/2" Extension
31006	Universal Joint

3/8" Drive Shallow 6 Point Sockets:

Product Code	Size (Inches)
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

3/8" Drive Shallow 6 Point Sockets:

Product Code	Size (Metric)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Deep 12 Point Sockets:

Product Code	Size (SAE)
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4

3/8" Drive Deep 12 Point Sockets:

Product Code	Size (Metric)
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

WILLIAMS®

15 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, SAE

Product Code	Description
50673	15 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/8" Drive Tools:		3/8" Drive Shallow 12 Point Sockets:					
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31001	7 3/4" Pear Head Ratchet	31208	1/4	31216	1/2	31224	3/4
31002	3" Extension	31210	5/16	31218	9/16	31226	13/16
31003	6" Extension	31212	3/8	31220	5/8	31228	7/8
31006	Universal Joint	31214	7/16	31222	11/16		

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50673

WILLIAMS®

15 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Compact Case Tool Set, SAE

Product Code	Description
50663	15 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/8" Drive Tools:		3/8" Drive Shallow 12 Point Sockets:					
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31001	7 3/4" Pear Head Ratchet	31108	1/4	31116	1/2	31124	3/4
31002	3" Extension	31110	5/16	31118	9/16	31126	13/16
31003	6" Extension	31112	3/8	31120	5/8	31128	7/8
31006	Universal Joint	31114	7/16	31122	11/16		

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50663

WILLIAMS®

15 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Compact Case Tool Set, Metric

Product Code	Description
50665	16 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/8" Drive Tools:		3/8" Drive Shallow 12 Point Sockets:					
Product Code	Description	Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
31001	7 3/4" Pear Head Ratchet	31508	8	31512	12	31516	16
31002	3" Extension	31509	9	31513	13	31517	17
31003	6" Extension	31510	10	31514	14	31518	18
31006	Universal Joint	31511	11	31515	15	31519	19

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50665

⚠WARNING



B-52EHA



B-52EHLA



B-52EHFB



BB-52EHA

WILLIAMS®

3/8" DRIVE ENCLOSED HEAD RATCHETS

Williams® Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
B-52EHA	Chrome Finish Enclosed Head Ratchet	8	36
B-52EHLA	Chrome Finish Enclosed Head Ratchet, Long	10 1/4	36
B-52EHFB	Chrome Finish Flex Head Ratchet	9 11/16	36
BB-52EHA	Black Industrial Finish Enclosed Head Ratchet	8	36
B-52EHRKA	Repair Kit "EHA, EHLA, EHFA" Model Enclosed Head Ratchets		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.



B-52A



BB52A



B-53A

WILLIAMS®

3/8" DRIVE ROUND HEAD RATCHETS

Knurled Handle, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
B-52A	Chrome Finish Round Head Ratchet	7 5/8	72
B-53A	Chrome Finish Round Head Ratchet, Long	10 1/2	72
BB-52A	Black Industrial Finish Round Head Ratchet	7 5/8	72
B-52ARK	Repair Kit for Round Head Ratchets		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Double pawl design with 72 teeth action provides a 5° ratcheting angle.
- Shift lever reverses action instantly.
- Knurled handle provides a non-slip grip.
- Chrome finish models provides increased protection from rust and corrosion.

WILLIAMS®

3/8" DRIVE HANDLES

Knurled Handle, High-Polished Chrome Finish

Product Code	Description	Length (Inches)
B-40B	Flex Handle	8 9/16
B-20A	Sliding T-Handle	7 15/16
B-15	Speeder Handle	18

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Speeder handle is ideal for fast turn down of fasteners.



B-40B



B-20A

B-15

WILLIAMS®

3/8" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
B-101	Extension	1 1/2
B-108	Extension	3
B-110	Extension	6
B-115	Extension	11
B-118	Extension	18
BFE-8	Flexible Extension	8
B-140A	Universal Joint	2
B-70	Ratchet Spinner Disk	1 1/4

Fed. Spec: ANSI B107.10M

WSB-5XT 5 Piece Extension Set in Pouch – 049605

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
B-101	1 1/2	B-115	11
B-108	3	B-118	18
B-110	6		

Features

- Chrome plating provides increased protection from rust and corrosion.
- Flexible extension is designed for low torque applications in limited access areas.
- Ball and spring socket retention.
- Spinner disk is ideal for fast turn down of fasteners.

Made in U.S.A.



B-101 B-140A B-70



B-108



B-110



B-115



BFE-8



WSB-5XT

WILLIAMS®

3/8" DRIVE ADAPTORS

High-Polished Chrome and Black Industrial Finish

Product Code	Length (Inches)	Male End (Inches)	Female End (Inches)
Chrome Finish			
BS-130	1 5/16	1/2	3/8
Black Industrial Finish			
BS-130B	1 5/16	1/2	3/8
BS-131BF	1 5/16	3/8	1/2

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Ball and spring socket retention.



BS-130



BS-130B



BS-131BF

⚠WARNING



WILLIAMS®

3/8" DRIVE RATCHETS AND HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
31001	38 Tooth Quick-Release Ratchet	7 3/4	31001RK
31011	Ultra-Fine 60-Tooth Ratchet	7 3/4	31011RK
31005	Flex Handle	10	
11920	Flex Handle, Comb. 3/8" x 1/2" Drive	10	
31007	Sliding T-Handle	7 3/4	
31016A	3/8" Drive Spinner Handle	9	

Fed. Spec: ANSI B107.10M

Features

- Ball and spring socket retention.
- Williams 3/8" Drive Ratchets Feature:
  - Ultra-fine 60 tooth model offers 6° tooth action in a narrow pear head.
  - Unique Finger-Fit handles to provide a comfortable, non-slip grip and extra turning power.
  - Choice of 38-tooth quick-release or 60-tooth ultra-fine gear.
  - Narrow pear-shaped heads for access into confined work areas.
  - High-polished chrome finish for easy cleaning.
- Spinner handles features three component comfort grip handle.
- Unique combination 3/8" x 1/2" drive flex handle offers convenience of both drive sizes on one handle.

WILLIAMS®

3/8" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
31002	Extension	3
31003	Extension	6
31004	Extension	10
31006	Universal Joint	2
31008	Adaptor, 3/8" F x 1/4" M	1
31009	Adaptor, 3/8" F x 1/2" M	1 1/4
31013	Holder for 1/4" Hex Screwdriver Bits	3/4
31023	Locking Extension	3
31024	Locking Extension	6
31025	Locking Extension	10
31026	Locking Extension	12
31027	Locking Extension	18
31028	Locking Extension	24

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.

WILLIAMS®

6 PIECE 3/8" DRIVE RATCHET AND DRIVE TOOL SET

Furnished in a Pouch

Product Code	Description
31920	6 Piece 3/8" Drive Ratchet and Accessory Set

Contents Include:

Product Code	Description	Product Code	Description
31001	38 Tooth Quick-Release Ratchet	31005	10" Flex Handle Breaker Bar
31002	3" Extension	31006	Universal Joint
31004	10" Extension	31007	7 3/4" Sliding T-Handle

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.

WILLIAMS®

3/8" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
B-1208	1/4	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
B-1210	5/16	1 1/32	11/16	7/16	1/4	9/16	17/64	17/32
B-1211	11/32	1 1/32	11/16	1/2	9/32	9/16	21/64	17/32
B-1212	3/8	1 1/32	11/16	9/16	9/32	9/16	11/32	17/32
B-1214	7/16	1 1/32	11/16	5/8	5/16	9/16	11/32	17/32
B-1216	1/2	1 1/32	23/32	23/32	11/32	3/8	3/8	-
B-1217	17/32	1 1/32	25/32	25/32	13/32	3/4	1/2	-
B-1218	9/16	1 3/32	25/32	25/32	9/16	19/32	17/32	-
B-1219	19/32	1 3/32	25/32	25/32	9/16	9/16	9/16	-
B-1220	5/8	1 1/8	27/32	27/32	19/32	5/8	19/32	-
B-1222	11/16	1 5/32	15/16	15/16	5/8	5/8	11/16	-
B-1224	3/4	1 3/16	1	1	11/16	11/16	23/32	-
B-1226	13/16	1 1/4	1 1/16	1 1/16	11/16	11/16	25/32	-
B-1228	7/8	1 9/32	1 5/32	1 5/32	25/32	25/32	7/8	-
B-1230	15/16	1 3/8	1 1/4	1 1/4	13/16	27/32	29/32	-
B-1232	1	1 13/32	1 5/16	1 5/16	27/32	7/8	1	-

Fed. Spec: ANSI B107.110



WSB-10RC 10 Piece 3/8" Drive Shallow 12-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
B-1210	5/16	B-1218	9/16	B-1226	13/16
B-1212	3/8	B-1220	5/8	B-1228	7/8
B-1214	7/16	B-1222	11/16		
B-1216	1/2	B-1224	3/4		

WSB-13RC 13 Piece 3/8" Drive Shallow 12-Point Socket Set on Clip Rail

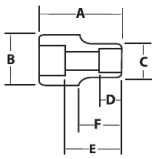
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
B-1208	1/4	B-1218	9/16	B-1228	7/8
B-1210	5/16	B-1220	5/8	B-1230	15/16
B-1212	3/8	B-1222	11/16	B-1232	1
B-1214	7/16	B-1224	3/4		
B-1216	1/2	B-1226	13/16		

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.





WSB-10RC



WSB-13RC

WARNING

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish



B-616 B-608

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Nose Length (Inches)
B-608	1/4	1 1/32	11/16	13/32	7/32	9/16	1/2
B-610	5/16	1 1/32	11/16	7/16	1/4	9/16	1/2
B-611	11/32	1 1/32	11/16	1/2	9/32	9/16	1/2
B-612	3/8	1 1/32	11/16	9/16	9/32	9/16	1/2
B-614	7/16	1 1/32	11/16	5/8	5/16	9/16	1/2
B-616	1/2	1 1/32	23/32	23/32	11/32	9/16	-
B-618	9/16	1 3/32	25/32	25/32	9/16	19/32	-
B-620	5/8	1 1/8	27/32	27/32	19/32	5/8	-
B-622	11/16	1 5/32	15/16	15/16	5/8	5/8	-
B-624	3/4	1 3/16	1	1	21/32	11/16	-
B-626	13/16	1 1/4	1 1/16	1 1/16	11/16	23/32	-
B-628	7/8	1 9/32	1 5/32	1 5/32	3/4	25/32	-
B-630	15/16	1 3/8	1 1/4	1 1/4	13/16	27/32	-
B-632	1	1 13/32	1 5/16	1 5/16	27/32	7/8	-

Fed. Spec: ANSI B107.110

WSS-8HRC 8 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
B-608	1/4	B-614	7/16	B-620	5/8
B-610	5/16	B-616	1/2	B-624	3/4
B-612	3/8	B-618	9/16		

WSB-10HRC 10 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
B-610	5/16	B-618	9/16	B-626	13/16
B-612	3/8	B-620	5/8	B-628	7/8
B-614	7/16	B-622	11/16		
B-616	1/2	B-624	3/4		

WSB-13HRC 13 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
B-608	1/4	B-618	9/16	B-628	7/8
B-610	5/16	B-620	5/8	B-630	15/16
B-612	3/8	B-622	11/16	B-632	1
B-614	7/16	B-624	3/4		
B-616	1/2	B-626	13/16		

Made in U.S.A.

Features

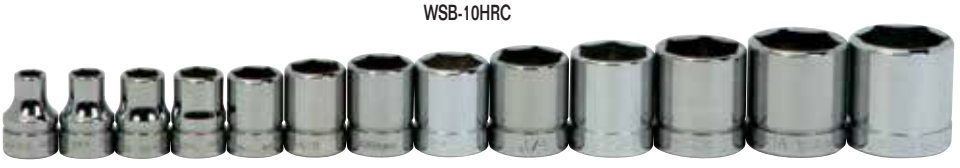
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.



MSS-8HRC



WSB-10HRC



WSB-13HRC

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31208	1/4	1	11/16	7/16	11/32	9/16	7/32	17/32
31210	5/16	1	11/16	15/32	3/8	17/32	1/4	17/32
31212	3/8	1	11/16	9/16	3/8	1/2	9/32	17/32
31214	7/16	1	11/16	5/8	11/32	17/32	13/32	17/32
31216	1/2	1	3/4	3/4	13/32	19/32	7/16	-
31218	9/16	1 1/16	25/32	25/32	17/32	5/8	17/32	-
31220	5/8	1 1/16	7/8	7/8	19/32	11/16	19/32	-
31222	11/16	1 1/16	15/16	15/16	1/2	11/16	21/32	-
31224	3/4	1 1/8	1	1	9/16	23/32	23/32	-
31226	13/16	1 1/8	1 1/8	1 1/8	9/16	23/32	25/32	-
31228	7/8	1 7/32	1 3/16	1 3/16	21/32	13/16	27/32	-
31230	15/16	1 7/32	1 1/4	1 1/4	21/32	13/16	27/32	-
31232	1	1 7/32	1 5/16	1 5/16	11/16	13/16	31/32	-

Fed. Spec: ANSI B107.110

31923 9 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31208	1/4	31214	7/16	31220	5/8
31210	5/16	31216	1/2	31222	11/16
31212	3/8	31218	9/16	31224	3/4

31927 10 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
31208	1/4	31210	5/16	31212	3/8
31214	7/16	31216	1/2	31218	9/16
31220	5/8	31222	11/16	31224	3/4
31226	13/16				

31925 13 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31208	1/4	31218	9/16	31228	7/8
31210	5/16	31220	5/8	31230	15/16
31212	3/8	31222	11/16	31232	1
31214	7/16	31224	3/4		
31216	1/2	31226	13/16		



31216 31208



31923



31927



31925

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31108	1/4	1	11/16	7/16	11/32	9/16	7/32	17/32
31110	5/16	1	11/16	15/32	3/8	17/32	1/4	17/32
31112	3/8	1	11/16	9/16	3/8	1/2	9/32	17/32
31114	7/16	1	11/16	5/8	11/32	17/32	13/32	17/32
31116	1/2	1	3/4	3/4	13/32	19/32	7/16	-
31118	9/16	1 1/16	25/32	25/32	17/32	5/8	17/32	-
31120	5/8	1 1/16	7/8	7/8	19/32	11/16	19/32	-
31122	11/16	1 1/16	15/16	15/16	1/2	11/16	21/32	-
31124	3/4	1 1/8	1	1	9/16	23/32	23/32	-
31126	13/16	1 1/8	1 1/8	1 1/8	9/16	23/32	25/32	-
31128	7/8	1 7/32	1 3/16	1 3/16	21/32	13/16	27/32	-
31130	15/16	1 7/32	1 1/4	1 1/4	21/32	13/16	27/32	-
31132	1	1 7/32	1 5/16	1 5/16	11/16	13/16	31/32	-

Fed. Spec: ANSI B107.110

31922 9 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31108	1/4	31114	7/16	31120	5/8
31110	5/16	31116	1/2	31122	11/16
31112	3/8	31118	9/16	31124	3/4

31924 13 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31108	1/4	31118	9/16	31128	7/8
31110	5/16	31120	5/8	31130	15/16
31112	3/8	31122	11/16	31132	1
31114	7/16	31124	3/4		
31116	1/2	31126	13/16		



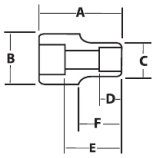
31116 31108



31922



31924



Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

WARNING

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 4 & 8 POINT, SAE

High-Polished Chrome Finish



BD-814

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BD-808	1/4	29/32	21/32	15/32	7/32	13/32	5/32	7/16
B-409 **	9/32	1 1/32	11/16	9/16	5/16	17/32	3/16	1/2
BD-810	5/16	29/32	21/32	9/16	1/4	13/32	1/4	7/16
BD-812	3/8	15/16	11/16	41/64	9/32	7/16	5/16	15/32
BD-814	7/16	1	23/32	23/32	9/32	1/2	5/16	-
BD-816	1/2	1	29/32	29/32	5/16	1/2	13/32	-
BD-818	9/16	1 1/8	1	1	13/32	5/8	17/32	-
BD-820	5/8	1 1/8	1 1/16	1 1/16	7/16	5/8	19/32	-

** 4 Point Socket
Fed. Spec: ANSI B107.110



WSBD-7RC

WSBD-7RC 7 Piece 8 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BD-808	1/4	BD-814	7/16	BD-820	5/8
BD-810	5/16	BD-816	1/2		
BD-812	3/8	BD-818	9/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 8 point sockets are designed for quick engagement on 4 point fasteners.

Made in U.S.A.

WILLIAMS®

3/8" DRIVE 5 POINT PENTA-SOCKET

Black Industrial Finish



BB-526

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BB-526	51/64	1 1/16	1 1/8	1 1/8	7/16	1/2	23/32	-

Features

- 5 point Penta-Socket services 5 point nuts found on tamper-resistant Buffalo covers used by gas, electric, and some water companies to protect shutoff gates.

Made in U.S.A.

WILLIAMS®

3/8" DRIVE UNIVERSAL SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish



BU-1220, BU-1212

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Open End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BU-1212	3/8	1 25/32	3/4	1/2	1/4	1/2	5/16	15/64
BU-1214	7/16	1 25/32	3/4	5/8	1/4	1/2	11/32	15/64
BU-1216	1/2	1 25/32	3/4	11/16	5/16	9/16	11/32	9/32
BU-1218	9/16	1 25/32	3/4	3/4	11/32	5/8	11/32	17/32
BU-1220	5/8	1 25/32	3/4	7/8	13/32	11/16	11/32	17/32
BU-1222	11/16	2	3/4	15/16	7/16	23/32	11/32	17/32
BU-1224	3/4	2 1/8	3/4	1	17/32	13/16	11/32	5/8

Fed. Spec: ANSI B107.110

Made in U.S.A.



WSB-7U

WSB-7U 7 Piece 12 Point Universal Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BU-1212	3/8	BU-1218	9/16	BU-1224	3/4
BU-1214	7/16	BU-1220	5/8		
BU-1216	1/2	BU-1222	11/16		

Features

- Ideal for work in confined areas where fastener is inaccessible to standard sockets.

WILLIAMS®

3/8" DRIVE UNIVERSAL SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Open End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31142	3/8	1 53/64	3/4	9/16	3/8	35/64	21/64	5/16
31144	7/16	1 53/64	3/4	5/8	3/8	35/64	21/64	5/16
31146	1/2	1 57/64	3/4	45/64	13/32	37/64	21/64	13/32
31148	9/16	1 57/64	3/4	25/32	7/16	43/64	21/64	33/64
31150	5/8	2	3/4	55/64	7/16	45/64	21/64	33/64
31152	11/16	2 3/64	3/4	15/16	31/64	3/4	21/64	17/32
31154	3/4	2 3/64	3/4	1 1/64	1/2	51/64	21/64	17/32

Fed. Spec: ANSI B107.110



31154 31142

31938 7 Piece 6 Point Universal Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31142	3/8	31148	9/16	31154	3/4
31144	7/16	31150	5/8		
31146	1/2	31152	11/16		



31938

Features

- Ideal for work in confined areas where fastener is inaccessible to standard sockets

WILLIAMS®

3/8" DRIVE UNIVERSAL SOCKETS, 6 POINT, MM

High-Polished Chrome Finish

Product Code	Size (mm)	A OAL (Inches)	B Drive End Diameter (Inches)	C Open End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31528	8	1 27/32	3/4	15/32	23/64	35/64	15/64	21/64
31530	10	1 55/64	3/4	9/16	23/64	35/64	21/64	21/64
31531	11	1 55/64	3/4	5/8	23/64	35/64	21/64	21/64
31532	12	1 55/64	3/4	43/64	23/64	35/64	21/64	21/64
31533	13	1 55/64	3/4	45/64	23/64	35/64	21/64	23/64
31534	14	1 15/16	3/4	49/64	25/64	39/64	21/64	1/2
31535	15	1 57/64	3/4	53/64	25/64	39/64	21/64	1/2
31536	16	2	3/4	55/64	7/16	45/64	21/64	1/2
31537	17	2	3/4	15/16	7/16	45/64	21/64	1/2
31538	18	2 1/64	3/4	15/16	15/32	3/4	21/64	1/2
31539	19	2 3/64	3/4	1	1/2	49/64	21/64	1/2

Fed. Spec: ANSI B107.110



31539 31528

31939 11 Piece 6 Point Universal Socket Set on Clip Rail

Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
31528	8	31533	13	31537	17
31530	10	31534	14	31538	18
31531	11	31535	15	31539	19
31532	12	31536	16		



31939

Features

- Ideal for work in confined areas where fastener is inaccessible to standard sockets

⚠WARNING



BCO32



WSBCO-10

WILLIAMS®

3/8" DRIVE CROWFOOT WRENCH, OPEN END, SAE

Satin Chrome Finish, SAE

Product Code	Size (Inches)	A Outside Diameter (Inches)	C Center to Center (Inches)	D Overall Length (Inches)	E Head Depth (Inches)	F Total Depth (Inches)
BCO12	3/8"	7/8	23/32	7/32	33/64	1 19/64
BCO14	7/16"	7/8	41/64	7/32	33/64	1 17/64
BCO16	1/2"	1 1/32	51/64	7/32	33/64	1 29/64
BCO18	9/16"	1 1/4	59/64	7/32	33/64	1 5/8
BCO20	5/8"	1 1/4	55/64	7/32	33/64	1 19/32
BCO22	11/16"	1 9/16	1 3/32	7/32	33/64	1 59/64
BCO24	3/4"	1 9/16	1 1/32	7/32	33/64	1 57/64
BCO26	13/16"	1 23/32	1 3/32	9/32	19/32	2
BCO28	7/8"	1 23/32	1 1/32	9/32	19/32	1 31/32
BCO30	15/16"	2	1 5/32	11/32	21/32	2 1/8
BCO32	1"	2	1 5/64	11/32	21/32	2 3/32
BCO40	1 1/4"	2 5/32	1 15/64	3/8	41/64	2 7/32
BCO44	1 3/8"	2 3/8	1 19/64	3/8	41/64	2 3/8

WSBCO-10 10 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails, SAE

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BCO12	3/8"	BCO18	9/16"	BCO24	3/4"
BCO14	7/16"	BCO20	5/8"	BCO26	13/16"
BCO16	1/2"	BCO22	11/16"	BCO28	7/8"
				BCO32	1"

Features

Made in U.S.A.

- Crowfoot wrenches are professional quality, made of high grade steel.
- Featuring an open end with a continuous arc for constant contact with the fastener for greater turning power without deforming the fastener.



BCOM19



WSBCOM-10

WILLIAMS®

3/8" DRIVE CROWFOOT WRENCH, OPEN END, MM

Satin Chrome Finish, MM

Product Code	Size (mm)	A Outside Diameter (Inches)	B Center to Center (Inches)	C Overall Length (Inches)	D Head Depth (Inches)	E Total Depth (Inches)
BCOM10	10	7/8	11/16	1/4	1/2	1 1/4
BCOM11	11	7/8	5/8	1/4	1/2	1 1/4
BCOM12	12	1	13/16	1/4	1/2	1 1/2
BCOM13	13	1	6/8	1/4	1/2	1 1/2
BCOM14	14	1	6/8	1/4	1/2	1 3/8
BCOM15	15	1 1/4	7/8	1/4	1/2	1 5/8
BCOM16	16	1 1/4	7/8	1/4	1/2	1 5/8
BCOM17	17	1 1/4	13/16	1/4	1/2	1 5/8
BCOM18	18	1 1/2	1 1/8	1/4	1/2	1 7/8
BCOM19	19	1 1/2	1	1/4	1/2	1 7/8
BCOM20	20	1 1/2	1	1/4	1/2	1 7/8
BCOM21	21	1 3/4	1 1/8	1/4	5/8	1 7/8
BCOM22	22	1 3/4	1	1/4	5/8	2

WSBCOM-10 10 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails, MM

Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
BCOM10	10	BCOM13	13	BCOM16	16
BCOM11	11	BCOM14	14	BCOM17	17
BCOM12	12	BCOM15	15	BCOM18	18
				BCOM19	19

Features

Made in U.S.A.

- Crowfoot wrenches are professional quality, made of high grade steel.
- Featuring an open end with a continuous arc for constant contact with the fastener for greater turning power without deforming the fastener.

WILLIAMS®

3/8" DRIVE CROWFOOT WRENCH, OPEN END, SAE

High-Polished Chrome Finish

		A	B	C	D	
Product Code	Size (Inches)	Overall Length (Inches)	Diameter of Head (Inches)	Thickness of Head (Inches)	Thickness of Drive End (Inches)	Length of Centers (Inches)
10700	3/8	1 1/4	3/4	1/4	1/2	5/8
10701	7/16	1 3/8	3/4	1/4	1/2	3/4
10702	1/2	1 1/2	1	1/4	1/2	3/4
10703	9/16	1 3/4	1 1/8	1/4	1/2	1
10704	5/8	1 3/4	1 1/4	1/4	1/2	1
10705	11/16	2	1 1/2	1/4	1/2	1 1/8
10706	3/4	2	1 1/2	1/4	1/2	1 1/8
10707	13/16	2 1/8	1 5/8	1/4	1/2	1 1/4
10708	7/8	2 1/4	1 5/8	1/4	1/2	1 1/4
10709	15/16	2 1/4	2	3/8	1/2	1 1/4
10710	1	2 1/4	2	3/8	1/2	1 1/4
10711	1 1/16	2	1 3/4	3/8	5/8	1 1/8
10712	1 1/8	2	2	3/8	5/8	1 1/8
10713	1 3/16	1 1/8	2	3/8	5/8	1 1/4
10714	1 1/4	1 1/8	2	3/8	5/8	1 1/4
10715	1 5/16	1 1/8	2 1/8	3/8	5/8	1 1/4
10716	1 3/8	2 1/4	2 1/4	3/8	5/8	1 1/4
10717	1 7/16	2 1/4	2 3/8	3/8	5/8	1 3/8
10718	1 1/2	2 1/2	2 1/2	3/8	5/8	1 3/8
10719	1 9/16	2 1/2	2 1/2	3/8	5/8	1 1/2
10720	1 5/8	2 1/2	2 1/2	3/8	5/8	1 1/2
10721	1 11/16	2 1/2	2 5/8	3/8	5/8	1 1/2
10722	1 3/4	2 1/2	2 3/4	3/8	5/8	1 1/2
10723	1 13/16	2 1/2	2 3/4	3/8	5/8	1 1/2
10724	1 7/8	2 3/4	3 1/8	3/8	5/8	1 5/8
10725	1 15/16	2 3/4	3 1/8	3/8	5/8	1 5/8
10726	2	3	3 3/8	1/2	5/8	1 3/4

Fed. Spec: ANSI B107.110

10741 14 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
10713	1 3/16	10718	1 1/2	10723	1 13/16
10714	1 1/4	10719	1 9/16	10724	1 7/8
10715	1 5/16	10720	1 5/8	10725	1 15/16
10716	1 3/8	10721	1 11/16	10726	2
10717	1 7/16	10722	1 3/4		



10741

10740 13 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
10700	3/8	10704	5/8	10708	7/8
10701	7/16	10705	11/16	10709	15/16
10702	1/2	10706	3/4	10710	1
10703	9/16	10707	13/16	10711	1 1/16
				10712	1 1/8



10740

Features

- Designed for quick engagement on both 6 and 12 point fasteners.

⚠WARNING

WILLIAMS®

3/8" DRIVE CROWFOOT WRENCH, OPEN END, MM



10790

Product Code	Size (MM)	A Overall Length (Inches)	B Diameter of Head (Inches)	C Thickness of Head (Inches)	D Thickness of Drive End (Inches)	E Length of Centers (Inches)
10759	9	1 1/4	3/4	1/4	1/2	5/8
10760	10	1 1/4	3/4	1/4	1/2	5/8
10761	11	1 3/8	7/8	1/4	1/2	3/4
10762	12	1 3/8	7/8	1/4	1/2	3/4
10763	13	1 1/2	1	1/4	1/2	3/4
10764	14	1 3/4	1 1/8	1/4	1/2	1
10765	15	1 3/4	1 1/8	1/4	1/2	1
10766	16	1 3/4	1 1/4	1/4	1/2	1
10767	17	2	1 1/2	1/4	1/2	1 1/8
10768	18	2	1 1/2	1/4	1/2	1 1/8
10769	19	2	1 1/2	1/4	1/2	1 1/8
10770	20	2 1/8	1 5/8	1/4	1/2	1 1/4
10771	21	2 1/8	1 5/8	1/4	1/2	1 1/4
10772	22	2 1/4	1 5/8	1/4	1/2	1 1/4
10773	23	2 1/4	1 5/8	1/4	1/2	1 1/4
10774	24	2 1/8	2	1/4	1/2	1 1/4

10790 8 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails
Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
10759	9	10762	12	10765	15
10760	10	10763	13	10766	16
10761	11	10764	14		



10791

10791 8 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails
Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
10767	17	10770	20	10773	23
10768	18	10771	21	10774	24
10769	19	10772	22		

10792 10 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails
Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
10760	10	10763	13	10766	16
10761	11	10764	14	10767	17
10762	12	10765	15	10768	18
				10769	19

Features
- Designed for quick engagement on both 6 and 12 point fasteners.

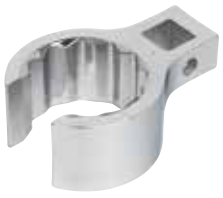
WILLIAMS®

3/8" DRIVE CROWFOOT WRENCH, FLARE NUT, 12 POINT

Satin Chrome Finish, SAE



BCF-26



BCF-32

Product Code	Size (Inches)	A Diameter of Head	B Thickness of Head	C Width of Slot	D Length of Centers
BCF20	5/8	15/16	11/16	15/32	47/64
BCF22	11/16	1 1/32	11/16	17/32	25/32
BCF24	3/4	1 1/8	23/32	9/16	53/64
BCF26	13/16	1 13/64	23/32	5/8	7/8
BCF28	7/8	1 19/64	3/4	11/16	15/16
BCF30	15/16	1 3/8	3/4	23/32	15/16
BCF32	1	1 29/64	25/32	3/4	1 1/64
BCF34	1 1/16	1 17/32	25/32	25/32	1 3/64

Fed. Spec: ASME B107.21 Type 1 Class 1



WSBCF-8

WSBCF-8 8 Piece 12 Point Crowfoot Wrench on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BCF20	5/8	BCF24	3/4	BCF28	7/8	BCF32	1
BCF22	11/16	BCF26	13/16	BCF30	15/16	BCF34	1 1/16
BCF24	3/4						

Made in U.S.A.

WILLIAMS®

3/8" DRIVE BOLT THRU SOCKETS, 6 POINT, SAE

Product Code	Size (Inches)	Overall Length (Inches)	External Hex Inches
31612BT	3/8	1 7/16	3/4
31614BT	7/16	1 7/16	3/4
31616BT	1/2	1 7/16	3/4
31618BT	9/16	1 7/16	3/4
31620BT	5/8	1 7/16	3/4
31622BT	11/16	1 7/16	3/4
31624BT	3/4	1 7/16	3/4

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 point fasteners.



31612BT

WILLIAMS®

3/8" DRIVE BOLT THRU SOCKETS, 6 POINT, MM

Product Code	Size (mm)	Overall Length (Inches)	External Hex Inches
31708BT	8	1 7/16	3/4
31709BT	9	1 7/16	3/4
31710BT	10	1 7/16	3/4
31711BT	11	1 7/16	3/4
31712BT	12	1 7/16	3/4
31713BT	13	1 7/16	3/4
31714BT	14	1 7/16	3/4
31715BT	15	1 7/16	3/4
31716BT	16	1 7/16	3/4
31717BT	17	1 7/16	3/4
31718BT	18	1 7/16	3/4
31719BT	19	1 7/16	3/4

Features
- Designed for quick engagement on 6 point fasteners.



31708BT

WILLIAMS®

22 PIECE 3/8" DRIVE BOLT THRU SOCKET SET

6 Point Compact Case Tool Set, SAE & MM

Product Code	Description
50671	22 Piece 3/8" Drive Bolt Thru Socket Set

Contents Include:

3/8" Drive Tools:

Product Code	Description
31018	Locking Flexible Ratchet
31019	3" Extension
31020	Adaptor

3/8" Drive Shallow 6 Point Sockets:

Product Code	Size (Inches)
31612BT	3/8
31614BT	7/16
31616BT	1/2
31618BT	9/16
31620BT	5/8
31622BT	11/16
31624BT	3/4

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (mm)
31708BT	8
31709BT	9
31710BT	10
31711BT	11
31712BT	12
31713BT	13
31714BT	14
31715BT	15
31716BT	16
31717BT	17
31718BT	18
31719BT	19

Features
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Ratchet with 7 locking positions and flex head design.



50671

WARNING



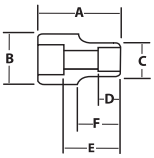
BD-1216 BD-1208



WSBD-9RC



WSBD-13RC



WILLIAMS®

12 F

3/8" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
BD-1208	1/4	2 1/8	11/16	13/32	7/32	1 11/16	7/32	1 5/8
BD-1210	5/16	2 1/8	11/16	15/32	1/4	1 11/16	5/16	1 5/8
BD-1212	3/8	2 1/8	11/16	9/16	9/32	1 11/16	3/8	1 5/8
BD-1214	7/16	2 1/8	11/16	5/8	9/32	1 11/16	7/16	1 5/8
BD-1216	1/2	2 1/8	23/32	23/32	11/32	1 11/32	15/32	-
BD-1218	9/16	2 3/8	25/32	25/32	9/16	1 9/16	17/32	-
BD-1220	5/8	2 3/8	27/32	27/32	19/32	1 9/16	19/32	-
BD-1222	11/16	2 5/8	15/16	15/16	5/8	1 11/16	21/32	-
BD-1224	3/4	2 5/8	1	1	21/32	1 11/16	23/32	-
BD-1226	13/16	2 3/4	1 1/16	1 1/16	11/16	2 1/32	25/32	-
BD-1228	7/8	2 3/4	1 5/32	1 5/32	3/4	2 1/32	27/32	-
BD-1230	15/16	2 3/4	1 1/4	1 1/4	13/16	2 1/32	27/32	-
BD-1232	1	2 3/4	1 5/16	1 5/16	27/32	2	31/32	-

Fed. Spec: ANSI B107.110

WSBD-9RC 9 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BD-1212	3/8	BD-1218	9/16	BD-1224	3/4
BD-1214	7/16	BD-1220	5/8	BD-1226	13/16
BD-1216	1/2	BD-1222	11/16	BD-1228	7/8

WSBD-13RC 13 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BD-1208	1/4	BD-1218	9/16	BD-1228	7/8
BD-1210	5/16	BD-1220	5/8	BD-1230	15/16
BD-1212	3/8	BD-1222	11/16	BD-1232	1
BD-1214	7/16	BD-1224	3/4		
BD-1216	1/2	BD-1226	13/16		

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS®

3/8" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
31408	1/4	2 1/2	11/16	7/16	11/32	1 11/16	7/32	1 1/16
31410	5/16	2 1/2	11/16	15/32	3/8	1 11/16	5/16	1 1/16
31412	3/8	2 1/2	11/16	9/16	3/8	1 11/16	3/8	1 1/16
31414	7/16	2 1/2	11/16	5/8	11/32	1 11/16	7/16	1 1/16
31416	1/2	2 1/2	3/4	3/4	13/32	1 11/32	15/32	-
31418	9/16	2 1/2	25/32	25/32	17/32	1 9/16	17/32	-
31420	5/8	2 1/2	7/8	7/8	19/32	1 9/16	19/32	-
31422	11/16	2 1/2	15/16	15/16	1/2	1 11/16	21/32	-
31424	3/4	2 1/2	1	1	9/16	1 11/16	23/32	-
31426	13/16	2 1/2	1 1/8	1 1/8	9/16	2 1/32	25/32	-
31428	7/8	2 1/2	1 3/16	1 3/16	21/32	2 1/32	27/32	-
31430	15/16	2 1/2	1 1/4	1 1/4	21/32	2 1/32	27/32	-
31432	1	2 1/2	1 5/16	1 5/16	11/16	2	31/32	-

Fed. Spec: ANSI B107.110



31416 31408

31926 9 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31408	1/4	31414	7/16	31420	5/8
31410	5/16	31416	1/2	31422	11/16
31412	3/8	31418	9/16	31424	3/4



31926

31928 13 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31408	1/4	31418	9/16	31428	7/8
31410	5/16	31420	5/8	31430	15/16
31412	3/8	31422	11/16	31432	1
31414	7/16	31424	3/4		
31416	1/2	31426	13/16		



31928

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS®

3/8" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
BD-608	1/4	2 1/8	11/16	13/32	1/4	1 11/16	7/32	1 5/8
BD-610	5/16	2 1/8	11/16	7/16	9/32	1 11/16	5/16	1 5/8
BD-611	11/32	2 1/8	11/16	1/2	1/4	1 11/16	11/32	1 5/8
BD-612	3/8	2 1/8	11/16	9/16	5/16	1 11/16	3/8	1 5/8
BD-614	7/16	2 1/8	11/16	19/32	3/8	1 11/16	7/16	1 5/8
BD-616	1/2	2 1/8	23/32	23/32	7/16	1 11/16	15/32	-
BD-618	9/16	2 3/8	25/32	25/32	7/16	1 9/16	17/32	-
BD-620	5/8	2 3/8	27/32	27/32	1/2	1 9/16	19/32	-
BD-622	11/16	2 5/8	15/16	15/16	17/32	1 3/4	21/32	-
BD-624	3/4	2 5/8	1	1	5/8	1 3/4	23/32	-
BD-626	13/16	2 3/4	1 1/16	1 1/16	11/16	1 27/32	25/32	-
BD-628	7/8	2 3/4	1 5/32	1 5/32	23/32	1 27/32	27/32	-
BD-630	15/16	2 3/4	1 1/4	1 1/4	25/32	2 1/32	27/32	-
BD-632	1	2 3/4	1 5/16	1 5/16	13/16	2 1/32	31/32	-

Fed. Spec: ANSI B107.110



BD-616 BD-608

WSBD-13HRC 13 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BD-608	1/4	BD-618	9/16	BD-628	7/8
BD-610	5/16	BD-620	5/8	BD-630	15/16
BD-612	3/8	BD-622	11/16	BD-632	1
BD-614	7/16	BD-624	3/4		
BD-616	1/2	BD-626	13/16		



WSBD-13HRC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.

WARNING



31316 31308

WILLIAMS®

3/8" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
31308	1/4	2 1/2	11/16	7/16	11/32	1 11/16	7/32	1 1/16
31310	5/16	2 1/2	11/16	15/32	3/8	1 11/16	5/16	1 1/16
31312	3/8	2 1/2	11/16	9/16	3/8	1 11/16	3/8	1 1/16
31314	7/16	2 1/2	11/16	5/8	11/32	1 11/16	7/16	1 1/16
31316	1/2	2 1/2	3/4	3/4	13/32	1 11/32	15/32	-
31318	9/16	2 1/2	25/32	25/32	17/32	1 9/16	17/32	-
31320	5/8	2 1/2	7/8	7/8	19/32	1 9/16	19/32	-
31322	11/16	2 1/2	15/16	15/16	1/2	1 11/16	21/32	-
31324	3/4	2 1/2	1	1	9/16	1 11/16	23/32	-
31326	13/16	2 1/2	1 1/8	1 1/8	9/16	2 1/32	25/32	-
31328	7/8	2 1/2	1 3/16	1 3/16	21/32	2 1/32	27/32	-
31330	15/16	2 1/2	1 1/4	1 1/4	21/32	2 1/32	27/32	-
31332	1	2 1/2	1 5/16	1 5/16	11/16	2	31/32	-

Fed. Spec: ANSI B107.110



31940

31940 9 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31308	1/4	31314	7/16	31320	5/8
31310	5/16	31316	1/2	31322	11/16
31312	3/8	31318	9/16	31324	3/4



31941

31941 13 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31308	1/4	31318	9/16	31328	7/8
31310	5/16	31320	5/8	31330	15/16
31312	3/8	31322	11/16	31332	1
31314	7/16	31324	3/4		
31316	1/2	31326	13/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on 6 point fasteners.



31303



31301

WILLIAMS®

3/8" DRIVE SPARK PLUG SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
31301	5/8	2 27/32	11/16	27/32	15/32	29/32	11/16	NA
31303	13/16	2 23/32	13/16	1 1/16	15/32	1 1/32	7/8	NA

Fed. Spec: ANSI B107.110

Features

- Rubber insert holds spark plug and prevents damage to insulator.

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

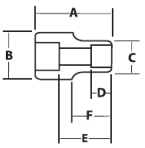
High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BM-1206	6	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
BM-1207	7	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
BM-1208	8	1 1/32	11/16	15/32	1/4	9/16	9/32	17/32
BM-1209	9	1 1/32	11/16	1/2	9/32	9/16	11/32	17/32
BM-1210	10	1 1/32	11/16	9/16	9/32	9/16	11/32	17/32
BM-1211	11	1 1/32	11/16	5/8	9/32	9/16	11/32	17/32
BM-1212	12	1 1/32	11/16	21/32	11/32	9/16	11/32	17/32
BM-1213	13	1 1/32	23/32	23/32	11/32	9/16	3/8	-
BM-1214	14	1 1/32	25/32	25/32	7/16	17/32	17/32	-
BM-1215	15	1 3/32	13/16	13/16	19/32	19/32	9/16	-
BM-1216	16	1 1/8	27/32	27/32	19/32	5/8	19/32	-
BM-1217	17	1 5/32	29/32	29/32	5/8	5/8	5/8	-
BM-1218	18	1 5/32	31/32	31/32	5/8	21/32	11/16	-
BM-1219	19	1 3/16	1	1	21/32	11/16	23/32	-
BM-1220	20	1 7/32	1 1/32	1 1/32	11/16	23/32	3/4	-
BM-1221	21	1 1/4	1 1/8	1 1/8	23/32	23/32	3/16	-
BM-1222	22	1 9/32	1 5/32	1 5/32	3/4	3/4	3/16	-
BM-1223	23	1 5/16	1 3/16	1 3/16	3/4	25/32	7/8	-
BM-1224	24	1 3/8	1 1/4	1 1/4	13/16	27/32	7/8	-
BM-1226	26	1 7/16	1 11/32	1 11/32	27/32	7/8	15/16	-

Fed. Spec: ANSI B107.110



BM-1212 BM-1206



MSB-12RC 12 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-1208	8	BM-1212	12	BM-1216	16
BM-1209	9	BM-1213	13	BM-1217	17
BM-1210	10	BM-1214	14	BM-1218	18
BM-1211	11	BM-1215	15	BM-1219	19



MSB-12RC

MSB-17RC 17 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-1206	6	BM-1211	11	BM-1216	16	BM-1221	21
BM-1207	7	BM-1212	12	BM-1217	17	BM-1222	22
BM-1208	8	BM-1213	13	BM-1218	18		
BM-1209	9	BM-1214	14	BM-1219	19		
BM-1210	10	BM-1215	15	BM-1220	20		



MSB-17RC

MSB-20RC 20 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-1206	6	BM-1211	11	BM-1216	16	BM-1221	21
BM-1207	7	BM-1212	12	BM-1217	17	BM-1222	22
BM-1208	8	BM-1213	13	BM-1218	18	BM-1223	23
BM-1209	9	BM-1214	14	BM-1219	19	BM-1224	24
BM-1210	10	BM-1215	15	BM-1220	20	BM-1226	26

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.



MSB-20RC

WARNING

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish



BM-612 BM-606

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BM-605½	5 ½	1 1/32	11/16	13/32	7/32	9/16	3/16	17/32
BM-606	6	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
BM-607	7	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
BM-608	8	1 1/32	11/16	15/32	1/4	9/16	9/32	17/32
BM-609	9	1 1/32	11/16	1/2	9/32	9/16	11/32	17/32
BM-610	10	1 1/32	11/16	9/16	9/32	9/16	11/32	17/32
BM-611	11	1 1/32	11/16	5/8	9/32	9/16	11/32	17/32
BM-612	12	1 1/32	11/16	21/32	11/32	9/16	11/32	17/32
BM-613	13	1 1/32	23/32	23/32	11/32	9/16	3/8	-
BM-614	14	1 1/32	25/32	25/32	7/16	17/32	17/32	-
BM-615	15	1 3/32	13/16	13/16	19/32	19/32	9/16	-
BM-616	16	1 1/8	27/32	27/32	19/32	5/8	19/32	-
BM-617	17	1 5/32	29/32	29/32	5/8	5/8	5/8	-
BM-618	18	1 5/32	31/32	31/32	5/8	21/32	11/16	-
BM-619	19	1 3/16	1	1	21/32	11/16	23/32	-
BM-620	20	1 7/32	1 1/32	1 1/32	11/16	23/32	3/4	-
BM-621	21	1 1/4	1 1/8	1 1/8	23/32	23/32	3/16	-
BM-622	22	1 9/32	1 5/32	1 5/32	3/4	3/4	3/16	-
BM-623	23	1 5/16	1 3/16	1 3/16	3/4	25/32	7/8	-
BM-624	24	1 3/8	1 1/4	1 1/4	13/16	27/32	7/8	-

Fed. Spec: ANSI B107.110

MSB-12HRC 12 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-608	8	BM-612	12	BM-616	16
BM-609	9	BM-613	13	BM-617	17
BM-610	10	BM-614	14	BM-618	18
BM-611	11	BM-615	15	BM-619	19

MSB-20HRC 20 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

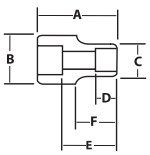
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-605½	5 ½	BM-610	10	BM-615	15	BM-620	20
BM-606	6	BM-611	11	BM-616	16	BM-621	21
BM-607	7	BM-612	12	BM-617	17	BM-622	22
BM-608	8	BM-613	13	BM-618	18	BM-623	23
BM-609	9	BM-614	14	BM-619	19	BM-624	24

Features

Made in U.S.A.

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.





MSB-12HRC



MSB-20RC

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31606	6	1	11/16	3/8	11/32	17/32	7/32	9/16
31607	7	1	11/16	7/16	5/16	17/32	7/32	9/16
31608	8	1	11/16	15/32	11/32	1/2	1/4	9/16
31609	9	1	11/16	17/32	3/8	17/32	9/32	9/16
31610	10	1	11/16	9/16	11/32	15/32	3/8	9/16
31611	11	1	11/16	5/8	11/32	1/2	13/32	9/16
31612	12	1	11/16	11/16	3/8	9/16	7/16	-
31613	13	1	3/4	3/4	3/8	9/16	1/2	-
31614	14	1 1/16	25/32	25/32	17/32	17/32		-
31615	15	1 1/16	13/16	13/16	17/32	17/32		-
31616	16	1 1/16	7/8	7/8	17/32	17/32		-
31617	17	1 1/16	15/16	15/16	17/32	17/32		-
31618	18	1 1/16	31/32	31/32	17/32	17/32		-
31619	19	1 5/32	1	1	5/8	5/8		-

Fed. Spec: ANSI B107.110



31612 31606

31942 8 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31610	10	31613	13	31616	16
31611	11	31614	14	31617	17
31612	12	31615	15		

31943 14 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31606	6	31611	11	31616	16
31607	7	31612	12	31617	17
31608	8	31613	13	31618	18
31609	9	31614	14	31619	19
31610	10	31615	15		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.



31942



31943

⚠WARNING

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31506	6	1	11/16	3/8	11/32	17/32	7/32	9/16
31507	7	1	11/16	7/16	5/16	17/32	7/32	9/16
31508	8	1	11/16	15/32	11/32	1/2	1/4	9/16
31509	9	1	11/16	17/32	3/8	17/32	9/32	9/16
31510	10	1	11/16	9/16	11/32	15/32	3/8	9/16
31511	11	1	11/16	5/8	11/32	1/2	13/32	9/16
31512	12	1	11/16	11/16	3/8	9/16	7/16	-
31513	13	1	3/4	3/4	3/8	9/16	1/2	-
31514	14	1 1/16	25/32	25/32	17/32	17/32		-
31515	15	1 1/16	13/16	13/16	17/32	17/32		-
31516	16	1 1/16	7/8	7/8	17/32	17/32		-
31517	17	1 1/16	15/16	15/16	17/32	17/32		-
31518	18	1 1/16	31/32	31/32	17/32	17/32		-
31519	19	1 5/32	1	1	5/8	5/8		-

Fed. Spec: ANSI B107.110



31512 31506

31930 8 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31510	10	31513	13	31516	16
31511	11	31514	14	31517	17
31512	12	31515	15		

31932 14 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31506	6	31511	11	31516	16
31507	7	31512	12	31517	17
31508	8	31513	13	31518	18
31509	9	31514	14	31519	19
31510	10	31515	15		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.



31930



31932

WILLIAMS®

3/8" DRIVE DEEP SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BMD-606	6	2 1/8	11/16	13/32	7/32	1 11/16	7/32	1 5/8
BMD-607	7	2 1/8	11/16	13/32	9/32	1 11/16	1/4	1 5/8
BMD-608	8	2 1/8	11/16	15/32	9/32	1 11/16	5/16	1 5/8
BMD-609	9	2 1/8	11/16	1/2	9/32	1 11/16	11/32	1 5/8
BMD-610	10	2 1/8	11/16	9/16	5/16	1 11/16	3/8	1 5/8
BMD-611	11	2 1/8	11/16	5/8	3/8	1 11/16	7/16	1 5/8
BMD-612	12	2 1/8	11/16	21/32	13/32	1 11/16	15/32	1 5/8
BMD-613	13	2 1/8	23/32	23/32	13/32	1 5/8	17/32	-
BMD-614	14	2 3/8	25/32	25/32	13/32	1 9/16	17/32	-
BMD-615	15	2 3/8	13/16	13/16	13/32	1 9/16	17/32	-
BMD-616	16	2 3/8	27/32	27/32	13/32	1 9/16	19/32	-
BMD-617	17	2 21/32	29/32	29/32	1/2	1 13/16	5/8	-
BMD-618	18	2 21/32	31/32	31/32	1/2	1 13/16	21/32	-
BMD-619	19	2 21/32	1	1	5/8	1 15/16	23/32	-
BMD-620	20	2 21/32	1 1/32	1 1/32	5/8	1 15/16	25/32	-
BMD-622	22	2 7/8	1 5/32	1 5/32	5/8	2 5/32	7/8	-
BMD-623	23	2 7/8	1 3/16	1 3/16	1/2	2 5/32	27/32	-
BMD-624	24	2 7/8	1 1/4	1 1/4	9/16	2 5/32	15/16	-
BMD-625	25	2 7/8	1 9/32	1 9/32	9/16	2 1/8	31/32	-

Fed. Spec: ANSI B107.110



BMD-612 BMD-606

MSBD-12HRC 12 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BMD-608	8	BMD-612	12	BMD-616	16
BMD-609	9	BMD-613	13	BMD-617	17
BMD-610	10	BMD-614	14	BMD-618	18
BMD-611	11	BMD-615	15	BMD-619	19

MSBD-19HRC 19 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BMD-606	6	BMD-611	11	BMD-616	16	BMD-622	22
BMD-607	7	BMD-612	12	BMD-617	17	BMD-623	23
BMD-608	8	BMD-613	13	BMD-618	18	BMD-624	24
BMD-609	9	BMD-614	14	BMD-619	19	BMD-625	25
BMD-610	10	BMD-615	15	BMD-620	20		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.



MSBD-12HRC



MSBD-19HRC

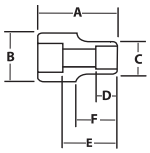
WARNING

WILLIAMS®

3/8" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish





Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31806	6	2 1/2	11/16	3/8	5/8	1 9/16	7/32	1 7/32
31807	7	2 1/2	11/16	7/16	5/8	1 9/16	1/4	1 7/32
31808	8	2 1/2	11/16	7/16	5/8	1 9/16	9/32	1 7/32
31809	9	2 1/2	11/16	17/32	5/8	1 9/16	5/16	1 7/32
31810	10	2 1/2	11/16	9/16	1	1 11/16	3/8	1 7/32
31811	11	2 1/2	11/16	5/8	1	1 25/32	13/32	1 7/32
31812	12	2 1/2	11/16	11/16	1	1 25/32	7/16	-
31813	13	2 1/2	23/32	23/32	1	1 31/32	1/2	-
31814	14	2 1/2	3/4	3/4	1	2	17/32	-
31815	15	2 1/2	13/16	13/16	1	1 15/16	9/16	-
31816	16	2 1/2	7/8	7/8	1	1 29/32	19/32	-
31817	17	2 1/2	15/16	15/16	1	2	21/32	-
31818	18	2 1/2	31/32	31/32	1 1/16	1 29/32	11/16	-
31819	19	2 1/2	1	1	1 3/32	1 31/32	23/32	-

Fed. Spec: ANSI B107.110

31934 8 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31810	10	31813	13	31816	16
31811	11	31814	14	31817	17
31812	12	31815	15		

31936 14 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31806	6	31811	11	31816	16
31807	7	31812	12	31817	17
31808	8	31813	13	31818	18
31809	9	31814	14	31819	19
31810	10	31815	15		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



31934



31936

WILLIAMS®

3/8" DRIVE DEEP SOCKETS, 6 POINT, METRIC

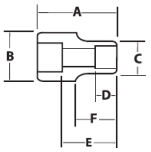
High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31706	6	2 1/2	11/16	3/8	5/8	1 9/16	7/32	1 7/32
31707	7	2 1/2	11/16	7/16	5/8	1 9/16	1/4	1 7/32
31708	8	2 1/2	11/16	7/16	5/8	1 9/16	9/32	1 7/32
31709	9	2 1/2	11/16	17/32	5/8	1 9/16	5/16	1 7/32
31710	10	2 1/2	11/16	9/16	1	1 11/16	3/8	1 7/32
31711	11	2 1/2	11/16	5/8	1	1 25/32	13/32	1 7/32
31712	12	2 1/2	11/16	11/16	1	1 25/32	7/16	-
31713	13	2 1/2	23/32	23/32	1	1 31/32	1/2	-
31714	14	2 1/2	3/4	3/4	1	2	17/32	-
31715	15	2 1/2	13/16	13/16	1	1 15/16	9/16	-
31716	16	2 1/2	7/8	7/8	1	1 29/32	19/32	-
31717	17	2 1/2	15/16	15/16	1	2	21/32	-
31718	18	2 1/2	31/32	31/32	1 1/16	1 29/32	11/16	-
31719	19	2 1/2	1	1	1 3/32	1 31/32	23/32	-

Fed. Spec: ANSI B107.110



31712 31706



31944 8 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31710	10	31713	13	31716	16
31711	11	31714	14	31717	17
31712	12	31715	15		

31945 14 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31706	6	31711	11	31716	16
31707	7	31712	12	31717	17
31708	8	31713	13	31718	18
31709	9	31714	14	31719	19
31710	10	31715	15		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on 6 point fasteners.



31944



31945

WARNING

WILLIAMS

3/8" DRIVE TURBOSOCKET® SALVAGE/DAMAGED FASTENER SOCKETS

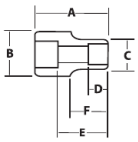
Black Industrial Finish, Metric and SAE



TS38375



TSCS3813



Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
TS38375	3/8	1 1/4	11/16	19/32	13/32	3/4	3/8	11/16
TS38437	7/16	1 1/4	11/16	21/32	1/2	3/4	7/16	11/16
TS38500	1/2	1 1/4	3/4	3/4	1/2	3/4	1/2	-
TS38562	9/16	1 1/4	13/16	13/16	1/2	23/32	9/16	-
TS38625	5/8	1 1/4	29/32	29/32	1/2	19/32	5/8	-
TS38687	11/16	1 13/32	31/32	31/32	21/32	29/32	23/32	-
TS38750	3/4	1 13/32	1 1/16	1 1/16	21/32	29/32	3/4	-

Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
TS38394	10	1 1/4	11/16	5/8	13/32	3/4	13/32	11/16
TS38472	12	1 1/4	23/32	23/32	1/2	3/4	15/32	-
TS38512	13	1 1/4	3/4	3/4	1/2	3/4	17/32	-
TS38551	14	1 1/4	13/16	13/16	1/2	23/32	9/16	-
TS38591	15	1 1/4	27/32	27/32	1/2	19/32	19/32	-
TS38669	17	1 13/32	31/32	31/32	21/32	29/32	23/32	-

TSFS3807 7 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, SAE

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
TS38375	3/8	TS38562	9/16	TS38750	3/4
TS38437	7/16	TS38625	5/8		
TS38500	1/2	TS38687	11/16		

TSCS3813 13 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, SAE and Metric

Contents Include:

Product Code	Size (Inches)	Product Code	Size (MM)
TS38375	3/8	TS38394	10
TS38437	7/16	TS38472	12
TS38500	1/2	TS38512	13
TS38562	9/16	TS38551	14
TS38625	5/8	TS38591	15
TS38687	11/16	TS38669	17
TS38750	3/4		

TSMS3809 9 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, Metric

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
TS38394	10	TS38512	13	TS38625	16 (5/8")
TS38437	11 (7/16")	TS38551	14	TS38669	17
TS38472	12	TS38591	15	TS38750	19 (3/4")

Features

Made in U.S.A.

- Quickly and easily remove damaged or rounded nuts and bolts.
- Place socket on fastener and turn with ratchet, breaker bar or T-handle.
- Grip on fastener tightens as more torque is applied.
- No hammering is required to install socket over fastener.
- Use on all types of standard nuts and bolts as well as studs, pipe nipples, and corroded auto and marine fasteners.
- May be used for "best fit" on metric and fractional fasteners.
- May be used with air or electric impact wrench for extra speed and turning power.



TSMS3809



TSFS3807

WILLIAMS®

3/8" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
BA-3A	3/32	1 1/16	11/16	1 27/32	BITH03T-01
BA-4A	1/8	1 1/16	11/16	1 7/8	BITH04-03
BA-5A	5/32	1 1/16	11/16	1 7/8	BITH05-03
BA-6A	3/16	1 1/16	11/16	1 7/8	BITH06-03
BA-7A	7/32	1 1/16	11/16	1 7/8	BITH07-03
BA-8A	1/4	1 1/16	11/16	1 7/8	BITH08-03
BA-10A	5/16	1 1/16	11/16	1 7/8	BITH10-03
BA-12A	3/8	1 1/16	23/32	1 7/8	BITH12-01



BA-7A

WSB-7A 7 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
BA-4A	1/8	BA-8A	1/4
BA-5A	5/32	BA-10A	5/16
BA-6A	3/16	BA-12A	3/8
BA-7A	7/32		



WSB-7A

WSBS-10RC 10 Piece Hex Bit Socket Set on Clip Rail, 3/8" and 1/2" Drive

Contents Include:

3/8" Drive Product Code	Size (Inches)	3/8" Drive Product Code	Size (Inches)	1/2" Drive Product Code	Size (Inches)
BA-4A	1/8	BA-8A	1/4	SA-16A	1/2
BA-5A	5/32	BA-10A	5/16	SA-18A	9/16
BA-6A	3/16	BA-12A	3/8	SA-20A	5/8
BA-7A	7/32				



WSBS-10RC

Made in U.S.A.

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

WILLIAMS®

3/8" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35100	1/8	1 3/16	3/4	1 27/32	21/32
35101	9/64	1 3/16	3/4	1 27/32	21/32
35102	5/32	1 3/16	3/4	1 27/32	21/32
35103	3/16	1 3/16	3/4	1 27/32	21/32
35104	7/32	1 3/16	3/4	1 27/32	21/32
35105	1/4	1 3/16	3/4	1 27/32	21/32
35106	5/16	1 3/16	3/4	1 31/32	13/16
35107	3/8	1 3/16	3/4	1 31/32	13/16



35100

31902 8 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35100	1/8	35103	3/16	35106	5/16
35101	9/64	35104	7/32	35107	3/8
35102	5/32	35105	1/4		



31902

Features

- High-polished chrome finish socket cleans easily.

WARNING



35170



31904

WILLIAMS®

3/8" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35170	4	1 3/16	3/4	1 27/32	21/32
35171	5	1 3/16	3/4	1 27/32	21/32
35172	6	1 3/16	3/4	1 27/32	21/32
35173	7	1 3/16	3/4	1 27/32	21/32
35174	8	1 3/16	3/4	1 31/32	13/16
35175	9	1 3/16	3/4	1 31/32	13/16
35176	10	1 3/16	3/4	1 31/32	13/16

31904 7 Piece Hex Bit Socket Set on Clip Rail
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35170	4	35173	7	35176	10
35171	5	35174	8		
35172	6	35175	9		

Features

- High-polished chrome finish socket cleans easily.



BA-7HBA



WSBB-7RC

WILLIAMS®

3/8" DRIVE BALL TIP HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
BA-3HBA	3/32	1 1/16	11/16	1 27/32	BITHB03T-01
BA-4HBA	1/8	1 1/16	11/16	1 7/8	BITHB04-02
BA-5HBA	5/32	1 1/16	11/16	1 7/8	BITHB05-02
BA-6HBA	3/16	1 1/16	11/16	1 7/8	BITHB06-02
BA-7HBA	7/32	1 1/16	11/16	1 7/8	BITHB07-02
BA-8HBA	1/4	1 1/16	11/16	1 7/8	BITHB08-02
BA-10HBA	5/16	1 1/16	11/16	1 7/8	BITHB10-01
BA-12HBA	3/8	1 1/16	23/32	1 7/8	BITHB12-01

WSBB-7RC 7 Piece Ball Tip Hex Bit Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BA-4HBA	1/8	BA-7HBA	7/32	BA-12HBA	3/8
BA-5HBA	5/32	BA-8HBA	1/4		
BA-6HBA	3/16	BA-10HBA	5/16		

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.



35120



31906

WILLIAMS®

3/8" DRIVE BALL TIP HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35120	1/8	1 3/16	3/4	1 27/32	11/16
35121	9/64	1 3/16	3/4	1 27/32	11/16
35122	5/32	1 3/16	3/4	1 27/32	11/16
35123	3/16	1 3/16	3/4	1 27/32	11/16
35124	7/32	1 3/16	3/4	1 27/32	11/16
35125	1/4	1 3/16	3/4	1 27/32	11/16
35126	5/16	1 3/16	3/4	1 31/32	13/16
35127	3/8	1 3/16	3/4	1 31/32	13/16

31906 8 Piece Ball Tip Hex Bit Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35120	1/8	35123	3/16	35126	5/16
35121	9/64	35124	7/32	35127	3/8
35122	5/32	35125	1/4		

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

3/8" DRIVE LONG HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
BA-3LA	3/32	1 1/16	11/16	6	BITH03T-02
BA-4LA	1/8	1 1/16	11/16	6	BITH04-04
BA-5LA	5/32	1 1/16	11/16	6	BITH05-04
BA-6LA	3/16	1 1/16	11/16	6	BITH06-04
BA-7LA	7/32	1 1/16	11/16	6	BITH07-04
BA-8LA	1/4	1 1/16	11/16	6	BITH08-04
BA-10LA	5/16	1 1/16	11/16	6	BITH10-04
BA-12LA	3/8	1 1/16	23/32	6	BITH12-02



BA-7LA

WSBS-7LRC 7 Piece Long Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BA-4LA	1/8	BA-7LA	7/32	BA-12LA	3/8
BA-5LA	5/32	BA-8LA	1/4		
BA-6LA	3/16	BA-10LA	5/16		



WSBS-7LRC

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.

WILLIAMS®

3/8" DRIVE LONG LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35110	1/8	1 3/16	3/4	6
35111	9/64	1 3/16	3/4	6
35112	5/32	1 3/16	3/4	6
35113	3/16	1 3/16	3/4	6
35114	7/32	1 3/16	3/4	6
35115	1/4	1 3/16	3/4	6
35116	5/16	1 3/16	3/4	6
35117	3/8	1 3/16	3/4	6



35110

31949 8 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35110	1/8	35113	3/16	35116	5/16
35111	9/64	35114	7/32	35117	3/8
35112	5/32	35115	1/4		



31949

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

3/8" DRIVE LONG LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35164	4	1 3/16	3/4	6
35165	5	1 3/16	3/4	6
35166	6	1 3/16	3/4	6
35167	7	1 3/16	3/4	6
35168	8	1 3/16	3/4	6
35169	9	1 3/16	3/4	6
35163	10	1 3/16	3/4	6



35164

31951 7 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35164	4	35167	7	35163	10
35165	5	35168	8		
35166	6	35169	9		



31951

Features

- High-polished chrome finish socket cleans easily.

WARNING



35130



31947

WILLIAMS®

3/8" DRIVE LONG BALL TIP HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35130	1/8	1 3/16	3/4	5
35131	9/64	1 3/16	3/4	5
35132	5/32	1 3/16	3/4	5
35133	3/16	1 3/16	3/4	5
35134	7/32	1 3/16	3/4	5
35135	1/4	1 3/16	3/4	5
35136	5/16	1 3/16	3/4	5
35137	3/8	1 3/16	3/4	5

31947 8 Piece Ball Tip Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35130	1/8	35133	3/16	35136	5/16
35131	9/64	35134	7/32	35137	3/8
35132	5/32	35135	1/4		

Features

- High-polished chrome finish socket cleans easily.



35182



31910

WILLIAMS®

3/8" DRIVE TORX® BIT SOCKETS

High-Polished Chrome Finish

Product Code	Torx® Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35182	T25	1 3/16	3/4	1 27/32	11/16
35183	T27	1 3/16	3/4	1 27/32	11/16
35184	T30	1 3/16	3/4	1 27/32	11/16
35185	T40	1 3/16	3/4	1 31/32	13/16
35186	T45	1 3/16	3/4	1 31/32	13/16
35187	T47	1 3/16	3/4	2	13/16
35188	T50	1 3/16	3/4	2	13/16

31910 7 Piece Torx® Bit Socket Set on Clip Rail

Contents Include:

Product Code	Torx® Size	Product Code	Torx® Size	Product Code	Torx® Size
35182	T25	35185	T40	35188	T50
35183	T27	35186	T45		
35184	T30	35187	T47		

Features

- High-polished chrome finish socket cleans easily.



35192



31912

WILLIAMS®

3/8" DRIVE TAMPER-RESISTANT TORX® BIT SOCKETS

High-Polished Chrome Finish

Product Code	Torx® Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35192	T25	1 3/16	3/4	1 27/32	21/32
35193	T27	1 3/16	3/4	1 27/32	21/32
35194	T30	1 3/16	3/4	1 27/32	21/32
35195	T40	1 3/16	3/4	1 31/32	13/16
35196	T45	1 3/16	3/4	1 31/32	13/16
35197	T47	1 3/16	3/4	1 31/32	13/16
35198	T50	1 3/16	3/4	1 31/32	13/16

31912 7 Piece Tamper-Resistant Torx® Bit Socket Set on Clip Rail

Contents Include:

Product Code	Torx® Size	Product Code	Torx® Size	Product Code	Torx® Size
35192	T25	35195	T40	35198	T50
35193	T27	35196	T45		
35194	T30	35197	T47		

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

3/8" DRIVE SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish, Phillips® and Slotted

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
Slotted Bits:					
BA-5A-1S	3/16 x .032	1 1/16	11/16	1 13/16	BITHS01
BA-7A-2S	7/32 x .039	1 1/16	11/16	1 13/16	BITHS02
BA-10A-3S	9/32 x .047	1 1/16	11/16	1 7/8	BITHS04
BA-10A-4S	5/16 x .061	1 1/16	11/16	1 7/8	BITHS05
Phillips® Bits:					
BA-7A-1P	1	1 1/16	11/16	1 7/8	BITPH01-02
BA-7A-2P	2	1 1/16	11/16	1 7/8	BITPH02-02
BA-10A-3P	3	1 1/16	11/16	1 7/8	BITPH03-02
BA-12A-4P	4	1 1/16	23/32	1 7/8	BITPH04-01



BA-7A-2S



BA-7A-2P

WSBSP-8RC 8 Piece Screwdriver Bit Socket Set on Clip Rail

Contents Include:

Product Code	Tip Size	Product Code	Tip Size	Product Code	Tip Size	Product Code	Tip Size
BA-5A-1S	3/16 x .032	BA-10A-3S	9/32 x .047	BA-7A-1P	1	BA-10A-3P	3
BA-7A-2S	7/32 x .039	BA-10A-4S	5/16 x .061	BA-7A-2P	2	BA-12A-4P	4

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

USA Made in U.S.A.



WSBSP-8RC

WILLIAMS®

3/8" DRIVE SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish, Phillips® and Slotted

Product Code	Tip Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
Slotted Bits:					
35140	1/4 x 1/32	1 3/16	3/4	1 7/8	11/16
35141	5/16 x 3/64	1 3/16	3/4	1 7/8	11/16
35142	3/8 x 1/16	1 3/16	3/4	1	13/16
35143	3/8 x 1/32	1 3/16	3/4	1	13/16
Phillips® Bits:					
35150	#1	1 3/16	3/4	1 27/32	21/32
35151	#2	1 3/16	3/4	1 27/32	11/16
35152	#3	1 3/16	3/4	1 27/32	11/16



35143



35150

31908 7 Piece Screwdriver Bit Socket Set on Clip Rail

Contents Include:

Product Code	Tip Size	Product Code	Tip Size	Product Code	Tip Size	Product Code	Tip Size
35140	3/16	35142	5/16	35150	#1	35152	#3
35141	1/4	35143	3/8	35151	#2		

Features

- High-polished chrome finish socket cleans easily.



31908

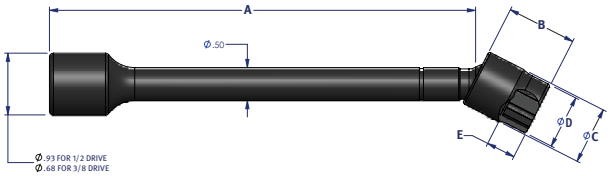
WARNING

WILLIAMS®

3/8" DRIVE SOCKET FLEXTENSIONS

Williams Flextension are used extensively in engine and heavy equipment manufacturing, assembly and repair. They increase productivity by featuring an integrated (non-removable) design of the drive extension and socket to allow for reliable, continuous work without concern for the socket disconnecting from the extension as could happen with hand-tool type ball retained sockets.





3/8" DRIVE SOCKET FLEXTENSIONS, SAE

Black Industrial Finish

		A				B	C	D	E
Product Code	Drive	Shank Length	Tension	Socket Points	Socket	Socket Length	Socket Diameter	Nose Diameter	Hex Depth
ISFXT412	3/8"	4.57"/116.1MM	Yes	6	3/8"	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISFX412	3/8"	4.57"/116.1MM	No	6	3/8"	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISFXTD612	3/8"	6.57"/166.9MM	Yes	12	3/8"	0.81"/20.6MM	0.75"/19.1MM	0.60"/15.2MM	0.41"/10.4MM
ISFXT612	3/8"	6.57"/166.9MM	Yes	6	3/8"	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISFX612	3/8"	6.57"/166.9MM	No	6	3/8"	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISFXT1212	3/8"	12.57"/319.3MM	Yes	6	3/8"	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISFXT414	3/8"	4.57"/116.1MM	Yes	6	7/16"	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISFX414	3/8"	4.57"/116.1MM	No	6	7/16"	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISFXT614	3/8"	6.57"/166.9MM	Yes	6	7/16"	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISFX614	3/8"	6.57"/166.9MM	No	6	7/16"	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISFXT416	3/8"	4.57"/116.1MM	Yes	6	1/2"	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFX416	3/8"	4.57"/116.1MM	No	6	1/2"	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXT616	3/8"	6.57"/166.9MM	Yes	6	1/2"	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSX616	3/8"	6.57"/166.9MM	No	6	1/2"	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXT1216	3/8"	12.57"/319.3MM	Yes	6	1/2"	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXT418	3/8"	4.57"/116.1MM	Yes	6	9/16"	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISFX418	3/8"	4.57"/116.1MM	No	6	9/16"	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISFXT618	3/8"	6.57"/166.9MM	Yes	6	9/16"	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISFX618	3/8"	6.57"/166.9MM	No	6	9/16"	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISFXT420	3/8"	4.57"/116.1MM	Yes	6	5/8"	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISFX420	3/8"	4.57"/116.1MM	No	6	5/8"	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISFXT620	3/8"	6.57"/166.9MM	Yes	6	5/8"	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISFX620	3/8"	6.57"/166.9MM	No	6	5/8"	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM

Features

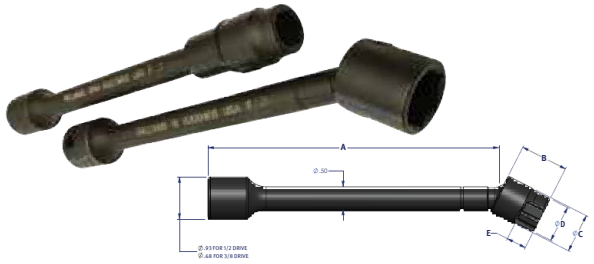
Made in U.S.A.

- Made in the U.S.A.
- Durable black oxide finish.
- Socket retention pin is TIG welded, providing full rotation power to the socket.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Drive end has a 7/32" cross hole & bevel for ease of use.
- Up to 30 degree angle offset.
- Flextensions are designed for use on hand and power tools (Impulse or Direct drive); NOT FOR IMPACT TOOL USE.
- Maximum working torque values: 160 Ft. Lbs. /1920 In. Lbs. /217 Nm
- Other lengths and socket sizes available by special order. Contact your Snap-on Industrial Brands representative.
- See pages 362 to 364 for 1/2" Drive Socket Flextensions.

WILLIAMS®

3/8" DRIVE SOCKET FLEXTENSIONS

Williams Flextension are used extensively in engine and heavy equipment manufacturing, assembly and repair. They increase productivity by featuring an integrated (non-removable) design of the drive extension and socket to allow for reliable, continuous work without concern for the socket disconnecting from the extension as could happen with hand-tool type ball retained sockets.



3/8" DRIVE SOCKET FLEXTENSIONS, METRIC

Black Industrial Finish

		A			B	C	D	E
Product Code	Drive	Shank Length	Tension	Socket Points	Socket (mm)	Socket Length	Socket Diameter	Socket Nose Diameter	Socket Hex Depth
ISFXTM410	3/8"	4.57"/116.1MM	Yes	6	10	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISFXM410	3/8"	4.57"/116.1MM	No	6	10	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISFXTM610	3/8"	6.57"/166.9MM	Yes	6	10	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISFXM610	3/8"	6.57"/166.9MM	No	6	10	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISFXTM412	3/8"	4.57"/116.1MM	Yes	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXM412	3/8"	4.57"/116.1MM	No	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXTM612	3/8"	6.57"/166.9MM	Yes	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXM612	3/8"	6.57"/166.9MM	No	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXTM413	3/8"	4.57"/116.1MM	Yes	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXM413	3/8"	4.57"/116.1MM	No	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXTM613	3/8"	6.57"/166.9MM	Yes	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXM613	3/8"	6.57"/166.9MM	No	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISFXTM415	3/8"	4.57"/116.1MM	Yes	6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISFXM415	3/8"	4.57"/116.1MM	No	6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISFXTM615	3/8"	6.57"/166.9MM	Yes	6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISFXM615	3/8"	6.57"/166.9MM	No	6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISFXTM416	3/8"	4.57"/116.1MM	Yes	6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISFXM416	3/8"	4.57"/116.1MM	No	6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISFXTM616	3/8"	6.57"/166.9MM	Yes	6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISFXM616	3/8"	6.57"/166.9MM	No	6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM

Features

- Made in the U.S.A.
- Durable black oxide finish.
- Socket retention pin is TIG welded, providing full rotation power to the socket.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Drive end has a 7/32" cross hole & bevel for ease of use.
- Up to 30 degree angle offset.
- Flextensions are designed for use on hand and power tools (Impulse or Direct drive); NOT FOR IMPACT TOOL USE.
- Maximum working torque values: 160 Ft. Lbs. /1920 In. Lbs. /217 Nm
- Other lengths and socket sizes available by special order. Contact your Snap-on Industrial Brands representative.
- See pages 362 to 364 for 1/2" Drive Socket Flextensions.

Made in U.S.A.

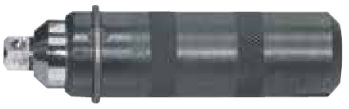
WILLIAMS®

3/8" DRIVE HAND IMPACT DRIVER

Black Industrial Finish

Product Code	Length (Inches)	Shank Diameter (Inches)
BHMD-30	5	1 1/4

Made in U.S.A.



BHMD-30

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Ball socket retention for fast socket changes.
- Ideal for loosening screws that cannot be loosened with an ordinary screwdriver.
- Impact driver is struck with a hammer to provide turning power.
- Hammer blow forces bit into screw head to reduce stripping.
- Hand impact driver can be used with all 3/8" drive sockets, such as 6-point and hex-bit sockets.

WILLIAMS®

7 PIECE 3/8" DRIVE IMPACT DRIVER SET

Packed in Exclusive Keep-Safe-Foam System

Product Code	Description
WSBHMD-7	7 Piece Impact Driver Set

Contents Include:

Product Code	Description	Product Code	Description
BHMD-30	Hand Impact Driver	BA-7A-2P	#2 Phillips® Bit Socket
BA-7A-2S	7/32" x .040" Slotted Bit Socket	BA-10A-3P	#3 Phillips® Bit Socket
BA-10A-3S	9/32" x .045" Slotted Bit Socket	BA-12A-4P	#4 Phillips® Bit Socket
BA-10A-4S	5/16" x .055" Slotted Bit Socket		

Features

- Ideal for loosening screws that cannot be loosened with an ordinary screwdriver.
- Impact driver is struck with a hammer to provide turning power.
- Hammer blow forces bit into screw head to reduce stripping.
- Hand impact driver can be used with all 3/8" drive sockets, such as 6-point and hex-bit sockets.



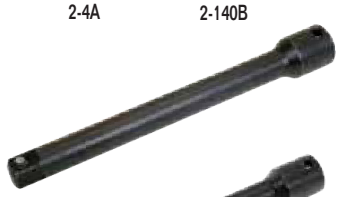
WSBHMD-7

Made in U.S.A.

⚠WARNING


2-4A


2-140B


2-106A


2-103A

3/8" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Socket Retention
2-103A	Impact Extension	3	Spring Plunger
2-106A	Impact Extension	6	Spring Plunger
2-140B	Impact Universal Joint	2 1/4	Spring Plunger
2-4A	1/2" M x 3/8" F Adapter	1 1/4	Spring Plunger

Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Spring plunger provides secure socket retention for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.


2-02B


2-33B

3/8" DRIVE HEX TO SQUARE SHANK IMPACT EXTENSIONS

Black Industrial Finish

Product Code	Hex Shank Size (Inches)	Square Drive Size (Inches)	Length (Inches)
2-02B	1/4	3/8	2
2-33B	7/16	3/8	2 3/4

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Spring plunger provides secure socket retention for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.
- 2-33B - Recommended working torque of 80 ft.lb.


36004


36001


36003

36002

3/8" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Socket Retention
36002	Impact Extension	3	Ball
36003	Impact Extension	6	Ball
36001	Impact Universal Joint	2 1/8	Ball
36004	1/2" M x 3/8" F Adapter	1 5/16	Ball

Fed. Spec: ANSI B107.2

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Ball socket retention for fast socket changes.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.


WSB-6ADPA

6 PIECE ADAPTOR SET

Black Finish and Impact, Furnished on Clip Rail

Product Code	Description
WSB-6ADPA	6 Piece Adaptor Set

Contents Include:

Product Code	Description	Product Code	Description
MB-130B	1/4" F x 3/8" M, Black Finish	4-2A	1/2" F x 3/8" M, Impact, Black
MB-131BA	3/8" F x 1/4" M, Black Finish	4-6	1/2" F x 3/4" M, Impact, Black
BS-130B	3/8" F x 1/2" M, Black Finish	6-4A	3/4" F x 1/2" M, Impact, Black

Made in U.S.A.

Features

- Impact adaptors are suitable for use on electric and air impact wrenches.
- Black finish adaptors are designed for use with hand drive tools.

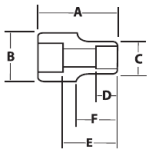
WILLIAMS®

3/8" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
2-608	1/4	1 1/32	11/16	1/2	7/32	9/16	7/32	17/32
2-610	5/16	1 1/32	11/16	1/2	1/4	9/16	9/32	17/32
2-612	3/8	1 1/32	11/16	5/8	9/32	9/16	11/32	17/32
2-614	7/16	1 1/16	11/16	21/32	9/32	19/32	11/32	-
2-616	1/2	1 1/16	3/4	3/4	5/16	19/32	3/8	-
2-618	9/16	1 3/32	13/16	13/16	9/16	19/32	17/32	-
2-620	5/8	1 1/8	29/32	29/32	19/32	5/8	5/8	-
2-622	11/16	1 5/32	31/32	31/32	19/32	5/8	21/32	-
2-624	3/4	1 3/16	1 1/16	1 1/16	21/32	11/16	23/32	-
2-626	13/16	1 1/4	1 1/8	1 1/8	11/16	23/32	25/32	-
2-628	7/8	1 9/32	1 3/16	1 3/16	3/4	3/4	27/32	-
2-630	15/16	1 5/16	1 9/32	1 9/32	25/32	13/16	29/32	-
2-632	1	1 5/16	1 11/32	1 11/32	25/32	25/32	31/32	-

Fed. Spec: ANSI B107.2



TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



2-618 2-608

WS-2-8 8 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
2-610	5/16	2-618	9/16
2-612	3/8	2-620	5/8
2-614	7/16	2-622	11/16
2-616	1/2	2-624	3/4



WS-2-8

WS-2-13 13 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
2-608	1/4	2-618	9/16	2-628	7/8
2-610	5/16	2-620	5/8	2-630	15/16
2-612	3/8	2-622	11/16	2-632	1
2-614	7/16	2-624	3/4		
2-616	1/2	2-626	13/16		



WS-2-13

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

Made in U.S.A.

WILLIAMS®

3/8" DRIVE UNIVERSAL IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36212	3/8	2 1/4	1	19/16	9/16	9/16	5/16	15/16
36214	7/16	2 1/4	1	11/16	9/16	8/16	6/16	15/16
36216	1/2	2 1/3	1	13/16	9/16	9/16	7/16	1 1/16
36218	9/16	2 1/3	1	13/16	9/16	9/16	8/16	1 1/16
36220	5/8	2 1/3	1	14/16	9/16	9/16	9/16	1 1/16
36222	11/16	2 5/8	1	1	9/16	11/16	10/16	1 4/16
36224	3/4	2 5/8	1	1 3/16	8/16	11/16	11/16	1 4/16

Fed. Spec: ANSI B107.2



36224

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

36912 7 Piece 3/8" Drive Universal 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
36212	3/8	36220	5/8
36214	7/16	36222	11/16
36216	1/2	36224	3/4
36218	9/16		



36912

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove

WARNING

WILLIAMS

6 F

3/8" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36108	1/4	1 5/32	3/4	7/16	5/16	21/32	7/32	7/16
36110	5/16	1	3/4	1/2	3/8	17/32	1/4	7/16
36112	3/8	1	3/4	19/32	11/32	17/32	9/32	7/16
36114	7/16	1 3/32	3/4	11/16	3/8	5/8	13/32	7/16
36116	1/2	1 5/32	25/32	25/32	3/8	5/8	7/16	-
36118	9/16	1 1/16	13/16	13/16	9/16	23/32	17/32	-
36120	5/8	1 1/16	15/16	15/16	9/16	23/32	5/8	-
36122	11/16	1 1/16	15/16	15/16	9/16	3/4	21/32	-
36124	3/4	1 1/8	1 1/32	1 1/32	19/32	13/16	23/32	-
36126	13/16	1 9/64	1 1/8	1 1/8	35/64	35/64	3/4	n/a
36128	7/8	1 7/32	1 3/16	1 3/16	5/8	5/8	53/64	n/a
36130	15/16	1 7/32	1 19/64	1 19/64	5/8	5/8	29/32	n/aw
36132	1	1 7/32	1 11/32	1 11/32	5/8	5/8	15/16	n/a

Fed. Spec: ANSI B107.2



TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints





36902 9 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36108	1/4	36114	7/16	36120	5/8
36110	5/16	36116	1/2	36122	11/16
36112	3/8	36118	9/16	36124	3/4

36903 13 piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36108	1/4	36114	7/16	36120	5/8	36126	13/16
36110	5/16	36116	1/2	36122	11/16	36128	7/8
36112	3/8	36118	9/16	36124	3/4	36130	15/16
						36132	1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS

12 F

3/8" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
35310	5/16	1 1/8	3/4	1/2	3/8	/	1/4	1/2
35312	3/8	1 1/8	3/4	1/2	3/8	/	3/8	1/2
35314	7/16	1 1/8	3/4	5/8	3/8	/	3/8	1/2
35316	1/2	1 1/8	3/4	3/4	3/8	/	3/8	/
35318	9/16	1 1/8	3/4	3/4	3/8	/	1/2	/
35320	5/8	1 1/8	1	15/16	1/2	/	1/2	/
35322	11/16	1 1/8	1	15/16	1/2	/	1/2	/
35324	3/4	1 1/8	1	1	1/2	/	5/8	/
35326	13/16	1 1/8	1 1/8	1	1/2	/	3/4	/
35328	7/8	1 1/8	1 1/8	1 1/8	1/2	/	3/4	/
35330	15/16	1 1/8	1 1/4	1 1/4	1/2	/	3/4	/
35332	1	1 1/8	1 3/8	1 3/8	1/2	/	1	/



TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



36921 12 piece 3/8" Drive Shallow 12 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35310	5/16	35318	9/16	35326	13/16
35312	3/8	35320	5/8	35328	7/8
35314	7/16	35322	11/16	35330	15/16
35316	1/2	35324	3/4	35332	1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

3/8" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
12-610	5/16	2 1/8	11/16	1/2	1/4	1 21/32	9/32	1 5/8
12-612	3/8	2 1/8	11/16	5/8	9/32	1 5/8	11/32	1 5/8
12-614	7/16	2 1/8	11/16	21/32	11/32	1 5/8	11/32	1 5/8
12-616	1/2	2 1/8	3/4	3/4	3/8	1 15/32	7/16	-
12-618	9/16	2 3/8	13/16	13/16	7/16	1 1/2	17/32	-
12-620	5/8	2 3/8	29/32	29/32	15/32	11/2	5/8	-
12-622	11/16	2 5/8	31/32	31/32	1/2	1 19/32	21/32	-
12-624	3/4	2 5/8	1 1/16	1 1/16	9/16	1 19/32	23/32	-
12-626	13/16	2 3/4	1 1/8	1 1/8	9/16	1 25/32	25/32	-
12-628	7/8	2 3/4	1 3/16	1 3/16	19/32	1 7/8	27/32	-
12-630	15/16	2 3/4	1 9/32	1 9/32	19/32	1 15/16	29/32	-
12-632	1	2 3/4	1 11/32	1 11/32	5/8	2	1	-

Fed. Spec: ANSI B107.2



12-616 12-610

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WS-12-8 8 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
12-610	5/16	12-614	7/16	12-618	9/16	12-622	11/16
12-612	3/8	12-616	1/2	12-620	5/8	12-624	3/4



WS-12-8

WS-12-12 12 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
12-610	5/16	12-616	1/2	12-622	11/16	12-628	7/8
12-612	3/8	12-618	9/16	12-624	3/4	12-630	15/16
12-614	7/16	12-620	5/8	12-626	13/16	12-632	1



WS-12-12

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

3/8" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36308	1/4	2 1/2	3/4	7/16	9/16	1 9/16	7/32	7/16
36310	5/16	2 1/2	3/4	1/2	21/32	1 23/32	9/32	7/16
36312	3/8	2 1/2	3/4	19/32	1 1/16	1 15/16	5/16	7/16
36314	7/16	2 1/2	3/4	21/32	1	1 29/32	13/32	7/16
36316	1/2	2 1/2	25/32	25/32	1 1/16	1 31/32	7/16	-
36318	9/16	2 1/2	13/16	13/16	1 1/16	1 31/32	17/32	-
36320	5/8	2 1/2	29/32	29/32	1 1/16	1 31/32	19/32	-
36322	11/16	2 1/2	15/16	15/16	1	1 31/32	21/32	-
36324	3/4	2 1/2	1 1/32	1 1/32	1 1/32	2	23/32	-
36326	13/16	2 1/2	1 1/8	1 1/8	1	1 13/16	3/4	
36328	7/8	2 1/2	1 3/16	1 3/16	1	1 13/16	53/64	
36330	15/16	2 1/2	1 19/64	1 19/64	1	1 13/16	29/32	
36332	1	2 1/2	1 11/32	1 11/32	1	1 13/16	15/16	-

Fed. Spec: ANSI B107.2



36316 36308

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

36904 9 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36308	1/4	36314	7/16	36320	5/8
36310	5/16	36316	1/2	36322	11/16
36312	3/8	36318	9/16	36324	3/4



36905

36905 13 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36308	1/4	36318	9/16	36326	13/16
36310	5/16	36320	5/8	36328	7/8
36312	3/8	36322	11/16	36330	15/16
36314	7/16	36322	3/4	36332	1
36316	1/2				

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WARNING



36416 36410

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS

12 M

3/8" DRIVE DEEP IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
36410	5/16	2 1/2	3/4	1/2	1/2	/	3/8	1 1/4
36412	3/8	2 1/2	3/4	1/2	3/4	/	1/2	1 1/4
36414	7/16	2 1/2	3/4	5/8	3/4	/	1/2	1 1/4
36416	1/2	2 1/2	3/4	3/4	1	/	1/2	/
36418	9/16	2 1/2	3/4	3/4	1	/	1/2	/
36420	5/8	2 1/2	1	1	1	/	1/2	/
36422	11/16	2 1/2	1	1	1	/	1/2	/
36424	3/4	2 1/2	1	1	1	/	3/4	/
36426	13/16	2 1/2	1	1	1	/	3/4	/
36428	7/8	2 1/2	1 1/8	1 1/8	1	/	3/4	/
36430	15/16	2 1/2	1 1/4	1 1/4	1	/	5/8	/
36432	1	2 1/2	1 3/8	1 3/8	1	/	1	/



36922

36922 12 piece 3/8" Drive Shallow 12 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36410	5/16	36418	9/16	36426	13/16
36412	3/8	36420	5/8	36428	7/8
36414	7/16	36422	11/16	36430	15/16
36416	1/2	36424	3/4	36432	1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.



2M-614 2M-607

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS

6 M

3/8" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
2M-607	7	1 1/32	11/16	7/16	7/32	9/16	1/4	17/32
2M-608	8	1 1/32	11/16	1/2	1/4	9/16	9/32	17/32
2M-609	9	1 1/32	11/16	9/16	9/32	9/16	11/32	17/32
2M-610	10	1 1/32	11/16	5/8	9/32	9/16	11/32	17/32
2M-611	11	1 1/32	11/16	21/32	9/32	19/32	11/32	9/16
2M-612	12	1 1/16	23/32	23/32	9/32	9/16	11/32	-
2M-613	13	1 1/16	25/32	25/32	9/32	19/32	3/8	-
2M-614	14	1 3/32	13/16	13/16	9/16	19/32	1/2	-
2M-615	15	1 3/32	27/32	27/32	9/16	19/32	9/16	-
2M-616	16	1 1/8	29/32	29/32	19/32	5/8	19/32	-
2M-617	17	1 5/32	31/32	31/32	19/32	5/8	5/8	-
2M-618	18	1 5/32	1	1	5/8	21/32	11/16	-
2M-619	19	1 3/16	1 1/16	1 1/16	21/32	11/16	23/32	-



MS-2-13H

MS-2-13H 13 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
2M-607	7	2M-612	12	2M-617	17
2M-608	8	2M-613	13	2M-618	18
2M-609	9	2M-614	14	2M-619	19
2M-610	10	2M-615	15		
2M-611	11	2M-616	16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

USA Made in U.S.A.

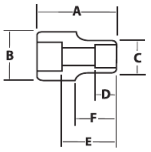
WILLIAMS®

3/8" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36507	7	1	3/4	7/16	9/32	17/32	1/4	7/16
36508	8	1	3/4	1/2	5/16	17/32	9/32	7/16
36509	9	1	3/4	1/2	5/16	17/32	11/32	7/16
36510	10	1	3/4	5/8	11/32	17/32	11/32	7/16
36511	11	1	3/4	11/16	11/32	17/32	11/32	7/16
36512	12	1	3/4	23/32	3/8	21/32	11/32	7/16
36513	13	1	7/8	13/16	5/16	1/2	3/8	7/16
36514	14	1 1/16	7/8	13/16	17/32	21/32	1/2	7/16
36515	15	1 1/16	7/8	7/8	9/16	11/16	9/16	-
36516	16	1 1/16	15/16	15/16	9/16	11/16	19/32	-
36517	17	1 1/16	15/16	15/16	9/16	23/32	5/8	-
36518	18	1 1/16	1 1/16	1 1/16	19/32	23/32	11/16	-
36519	19	1 5/32	1 1/16	1 1/16	9/16	3/4	23/32	-





TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

36906 10 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
36510	10	36514	14	36518	18
36511	11	36515	15	36519	19
36512	12	36516	16		
36513	13	36517	17		



36906

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

3/8" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, MM

Black Industrial Finish

Product Code	Size (MM)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36607	7	1 1/8	3/4	1/2	3/8	/	3/8	1/2
36608	8	1 1/8	3/4	1/2	3/8	/	1/2	1/2
36609	9	1 1/8	3/4	1/2	3/8	/	1/2	1/2
36610	10	1 1/8	3/4	1/2	3/8	/	1/2	1/2
36611	11	1 1/8	3/4	1/2	1/2	/	1/2	1/2
36612	12	1 1/8	3/4	3/4	1/2	/	1/2	/
36613	13	1 1/8	3/4	3/4	1/2	/	1/2	/
36614	14	1 1/8	3/4	3/4	1/2	/	1/2	/
36615	15	1 1/8	7/8	7/8	1/2	/	1/2	/
36616	16	1 1/8	7/8	1	1/2	/	1/2	/
36617	17	1 1/8	7/8	1	1/2	/	5/8	/
36618	18	1 1/8	1	1	1/2	/	5/8	/
36619	19	1 1/8	1	1	1/2	/	5/8	/



36612 36607

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

36923 13 Piece 3/8" Drive Shallow 12 point Impact Socket Set on Clip and Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
36607	7	36612	12	36617	17
36608	8	36613	13	36618	18
36609	9	36614	14	36619	19
36610	10	36615	15		
36611	11	36616	16		



36923

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WARNING

WILLIAMS



36819

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

3/8" DRIVE UNIVERSAL IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36810	10	2 1/4	7/8	5/8	3/8	1/2	5/16	15/16
36811	11	2 1/4	7/8	11/16	1/2	1/2	3/8	15/16
36812	12	2 1/4	7/8	11/16	1/2	1/2	3/8	15/16
36813	13	3/8	7/8	13/16	1/2	9/16	3/8	1 1/16
36814	14	3/8	7/8	13/16	1/2	9/16	1/2	1 1/16
36815	15	3/8	7/8	7/8	1/2	9/16	9/16	1 1/16
36816	16	3/8	7/8	7/8	1/2	9/16	9/16	1 1/16
36817	17	3/8	7/8	1	1/2	11/16	5/8	1 1/4
36818	18	2 5/8	7/8	1 1/16	1/2	11/16	11/16	1 1/4
36819	19	2 5/8	7/8	1/8	1/2	11/16	11/16	1 1/4



36910

36910 10 Piece 3/8" Drive Universal 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
36810	10	36814	14	36818	18
36811	11	36815	15	36819	19
36812	12	36816	16		
36813	13	36817	17		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove

WILLIAMS



35622 35630

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

3/8" DRIVE ONE PIECE IMPACT HEX BIT STUBBY DRIVERS, SAE

Black Industrial Finish

Product Code	Size (inches)	OAL (Inches)	Product Code	Size (inches)	OAL (Inches)
35620	1/8	1 1/8	35628	1/4	1 1/8
35622	5/32	1 1/8	35630	5/16	1 1/8
35624	3/16	1 1/8	35632	3/8	1 1/8
35626	7/32	1 1/8			

Fed. Spec: ANSI B107.2



36914

36914 7 Piece 3/8" Drive One Piece Impact Hex Bit Stubby Drivers, SAE

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35620	1/8	35626	7/32	35632	3/8
35622	5/32	35628	1/4		
35624	3/16	35630	5/16		

WILLIAMS



35605 35608

3/8" DRIVE ONE PIECE IMPACT HEX BIT STUBBY DRIVERS, MM

Black Industrial Finish

Product Code	Size (inches)	OAL (Inches)	Product Code	Size (inches)	OAL (Inches)
35604	4	1 1/8	35608	8	1 1/8
35605	5	1 1/8	35610	10	1 1/8
35606	6	1 1/8			

Fed. Spec: ANSI B107.2



36918

36918 5 Piece 3/8" Drive One Piece Impact Hex Bit Stubby Drivers, MM

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35604	4	35606	6	35610	10
35605	5	35608	8		

WILLIAMS®

3/8" DRIVE DEEP IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
12M-607	7	2 1/8	11/16	7/16	9/32	1 11/16	1/4	1 5/8
12M-608	8	2 1/8	11/16	1/2	1/4	1 11/16	9/32	1 5/8
12M-609	9	2 1/8	11/16	9/16	9/32	1 11/16	11/32	1 5/8
12M-610	10	2 1/8	11/16	5/8	9/32	1 11/16	11/32	1 5/8
12M-611	11	2 1/8	11/16	21/32	21/64	1 11/16	11/32	1 5/8
12M-612	12	2 1/8	23/32	23/32	3/8	1 23/32	7/16	-
12M-613	13	2 1/8	25/32	25/32	7/16	1 3/8	15/32	-
12M-614	14	2 3/8	13/16	13/16	13/32	1 9/16	1/2	-
12M-615	15	2 3/8	27/32	27/32	13/32	1 9/16	9/16	-
12M-616	16	2 3/8	29/32	29/32	13/32	1 9/16	19/32	-
12M-617	17	2 5/8	31/32	31/32	7/16	1 3/4	5/8	-
12M-618	18	2 5/8	1	1	7/16	1 3/4	11/16	-
12M-619	19	2 5/8	1 1/16	1 1/16	9/16	1 3/4	23/32	-
12M-620	20	2 5/8	1 1/8	1 1/8	15/32	1 3/4	3/4	-
12M-621	21	2 5/8	1 5/32	1 5/32	1/2	1 3/4	25/32	-
12M-622	22	2 7/8	1 3/16	1 3/16	1/2	1 31/32	27/32	-
12M-623	23	2 7/8	1 1/4	1 1/4	17/32	1 31/32	7/8	-
12M-624	24	2 7/8	1 5/16	1 5/16	19/32	1 31/32	29/32	-

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



12M-614 12M-607

MS-12-13H 13 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail



MS-12-13H

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
12M-607	7	12M-612	12	12M-617	17
12M-608	8	12M-613	13	12M-618	18
12M-609	9	12M-614	14	12M-619	19
12M-610	10	12M-615	15		
12M-611	11	12M-616	16		

MS-12-18H 18 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail



MS-12-18H

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
12M-607	7	12M-613	13	12M-619	19
12M-608	8	12M-614	14	12M-620	20
12M-609	9	12M-615	15	12M-621	21
12M-610	10	12M-616	16	12M-622	22
12M-611	11	12M-617	17	12M-623	23
12M-612	12	12M-618	18	12M-624	24

Features

Made in U.S.A.

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

3/8" HEX DRIVERS

Product Code	Size	Overall Length (Inches)	Product Code Bits	Optional Ret Ring
2MA-612	12 mm	72.7 mm	2MA-612-2	2-1XS
2MA-614	14 mm	72.7 mm	2MA-614-2	2-1XS
2A-616	1/2"	2 7/8"	2A-616-2	2-1XS
2A-618	9/16"	2 7/8"	2A-618-2	2-1XS



2MA-614



2MA-614 with Optional Ret Ring 2-1XS

Features

Made in U.S.A.

- Designed for use with pneumatic or cordless impact guns
- Optional retaining ring ensures positive attachment to anvil
- Manufactured from special alloy steel and heat treated for optimum strength and durability
- Williams® bits are designed with a precise fit and tight tolerances to prevent slippage and disengagement
- Outperforms one-piece design models – our two-piece design makes replacement economical and convenient
- Bits can be easily replaced by hand - no need to put them in a vice and punch them out with a hammer
- Optional retaining rings available for added protection

WARNING

WILLIAMS®

6 M

3/8" DRIVE DEEP IMPACT SOCKETS, 6 POINT, METRIC

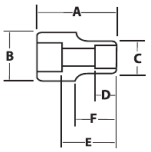
Black Industrial Finish



36714 36707

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36707	7	2 1/2	3/4	7/16	15/32	1 23/32	1/4	7/16
36708	8	2 1/2	3/4	1/2	9/16	1 23/32	9/32	7/16
36709	9	2 1/2	3/4	1/2	19/32	1 23/32	5/16	7/16
36710	10	2 1/2	3/4	5/8	1	1 23/32	3/8	7/16
36711	11	2 1/2	3/4	21/32	1 1/16	1 23/32	13/32	7/16
36712	12	2 1/2	3/4	23/32	1	1 23/32	7/16	7/16
36713	13	2 1/2	7/8	25/32	1 3/16	2	1/2	7/16
36714	14	2 1/2	7/8	13/16	1 1/32	2	17/32	-
36715	15	2 1/2	7/8	7/8	1 1/16	2	9/16	-
36716	16	2 1/2	15/16	15/16	1 1/32	2	19/32	-
36717	17	2 1/2	15/16	15/16	1 1/32	2	21/32	-
36718	18	2 1/2	1	1	1	2	11/16	-
36719	19	2 1/2	1 1/16	1 1/16	1	2	23/32	-

36908 10 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
36710	10	36714	14	36718	18
36711	11	36715	15	36719	19
36712	12	36716	16		
36713	13	36717	17		



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

12 M

3/8" DRIVE DEEP IMPACT SOCKETS, 12 POINT, MM

Black Industrial Finish



35412 35407

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

Product Code	Size (mm)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
35407	7	2 1/2	3/4	1/2	1/2	/	1/4	1 1/4
35408	8	2 1/2	3/4	1/2	1/2	/	1/4	1 1/4
35409	9	2 1/2	3/4	1/2	1/2	/	1/4	1 1/4
35410	10	2 1/2	3/4	1/2	3/4	/	3/8	1 1/4
35411	11	2 1/2	3/4	1/2	3/4	/	3/8	1 1/4
35412	12	2 1/2	3/4	3/4	3/4	/	3/8	/
35413	13	2 1/2	3/4	3/4	7/8	/	1/2	/
35414	14	2 1/2	3/4	3/4	7/8	/	1/2	/
35415	15	2 1/2	7/8	7/8	1	/	1/2	/
35416	16	2 1/2	7/8	7/8	1	/	1/2	/
35417	17	2 1/2	7/8	7/8	1	/	1/2	/
35418	18	2 1/2	7/8	7/8	1	/	5/8	/
35419	19	2 1/2	1	1	1	/	5/8	/

36924 13 Piece 3/8" Drive Deep 12 point Impact Socket Set on Clip and Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35407	7	35411	11	35415	15
35408	8	35412	12	35416	16
35409	9	35413	13	35417	17
35410	10	35414	14	35418	18
				35419	19



36924

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS

57 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

8 & 12 Point SAE, with Metal Box

Product Code	Description
WSS-57TB	57 Piece Tool Set with TB-6124A Metal Tool Box
WSS-57F	57 Piece Tool Set Only



WSS-57TB

Contents Include:

Drive Tools:

Product Code	Description
S-15A	18" Speeder Handle
S-20A	12" Sliding T-Handle
S-40AA	10 13/16" Flex Handle
S-41AA	15 1/2" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-52EHLA	15" Enclosed Head Ratchet

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16
ST-1228	7/8
ST-1230	15/16
ST-1232	1
ST-1234	1 1/16
ST-1236	1 1/8
ST-1238	1 3/16
ST-1240	1 1/4
ST-1242	1 5/16
ST-1244	1 3/8
ST-1246	1 7/16
ST-1248	1 1/2

Standard Hex Bit Sockets

Product Code	Size (Inches)
SA-8A	1/4
SA-10A	5/16
SA-12A	3/8
SA-16A	1/2
SA-18A	9/16
SA-20A	5/8

Drive Tools:

Product Code	Description
S-70	Ratchet Spinner Disk
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

Deep 12-Point Sockets

Product Code	Size (Inches)
SD-1216	1/2
SD-1218	9/16
SD-1220	5/8
SD-1222	11/16
SD-1224	3/4
SD-1226	13/16
SD-1228	7/8
SD-1230	15/16
SD-1232	1
SD-1234	1 1/16
SD-1236	1 1/8

Shallow 8-Point Sockets

Product Code	Size (Inches)
ST-812	3/8
ST-814	7/16
ST-816	1/2
ST-818	9/16
ST-820	5/8
ST-822	11/16
ST-824	3/4
ST-826	13/16
ST-828	7/8
ST-832	1



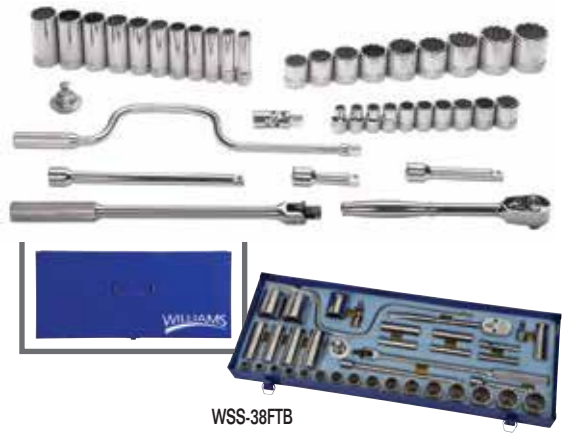
TB-6124A

Features

Made in U.S.A.

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WARNING



WSS-38FTB

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

12 F

38 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSS-38FTB	38 Piece Tool Set with TB-104 Metal Tool Box
WSS-38F	38 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-15A	18" Speeder Handle
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-70	Ratchet Spinner Disk

Drive Tools:

Product Code	Description
S-140A	Universal Joint
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16
ST-1228	7/8
ST-1230	15/16
ST-1232	1
ST-1234	1 1/16
ST-1236	1 1/8
ST-1238	1 3/16
ST-1240	1 1/4
ST-1242	1 5/16

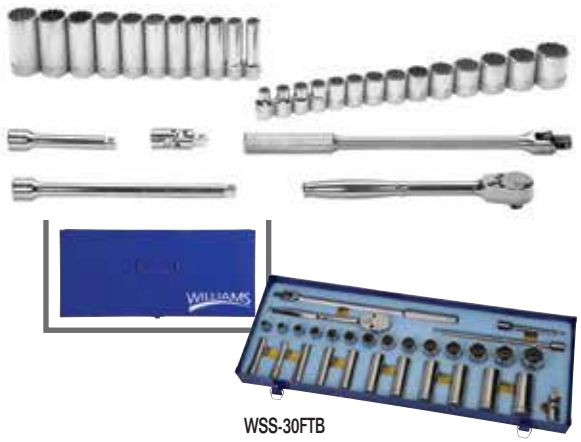
Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1244	1 3/8
ST-1246	1 7/16
ST-1248	1 1/2

Deep 12-Point Sockets

Product Code	Size (Inches)
SD-1216	1/2
SD-1218	9/16
SD-1220	5/8
SD-1222	11/16
SD-1224	3/4
SD-1226	13/16
SD-1228	7/8
SD-1230	15/16
SD-1232	1
SD-1234	1 1/16
SD-1236	1 1/8

USA Made in U.S.A.



WSS-30FTB

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Metal tool box made for years of rugged use.

WILLIAMS®

12 F

30 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSS-30FTB	30 Piece Tool Set with TB-104 Metal Tool Box
WSS-30F	30 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-140A	Universal Joint

Drive Tools:

Product Code	Description
S-110P	5" Extension
S-115P	10" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16
ST-1228	7/8
ST-1230	15/16
ST-1232	1
ST-1234	1 1/16
ST-1236	1 1/8
ST-1240	1 1/4

Deep 12-Point Sockets

Product Code	Size (Inches)
SD-1216	1/2
SD-1218	9/16
SD-1220	5/8
SD-1222	11/16
SD-1224	3/4
SD-1226	13/16
SD-1228	7/8
SD-1230	15/16
SD-1232	1
SD-1234	1 1/16
SD-1236	1 1/8

USA Made in U.S.A.

WILLIAMS

22 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSS-22FTB	22 Piece Tool Set with TB-104 Metal Tool Box
WSS-22F	22 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-15A	18" Speeder Handle
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-140A	Universal Joint

Drive Tools:

Product Code	Description
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1228	7/8
ST-1230	15/16
ST-1232	1
ST-1234	1 1/16
ST-1236	1 1/8
ST-1238	1 3/16
ST-1240	1 1/4

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.





WSS-22FTB

WILLIAMS

19 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSS-19FTB	19 Piece Tool Set with TB-103 Metal Tool Box
WSS-19F	19 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet

Drive Tools:

Product Code	Description
S-110P	5" Extension
S-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1228	7/8
ST-1230	15/16
ST-1232	1
ST-1234	1 1/16
ST-1236	1 1/8
ST-1238	1 3/16
ST-1240	1 1/4

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.





WSS-19FTB

WARNING



WSS-18HFTB

WILLIAMS

18 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSS-18HFTB	18 Piece Tool Set with TB-103 Metal Tool Box
WSS-18HF	18 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 1/2" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet

Drive Tools:

Product Code	Description
S-110P	5" Extension
S-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (Inches)
ST-612	3/8
ST-614	7/16
ST-616	1/2
ST-618	9/16
ST-620	5/8
ST-622	11/16
ST-624	3/4

Shallow 6-Point Sockets

Product Code	Size (Inches)
ST-626	13/16
ST-628	7/8
ST-630	15/16
ST-632	1
ST-634	1 1/16
ST-636	1 1/8
ST-640	1 1/4

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSS-15FTB

WILLIAMS

15 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSS-15FTB	15 Piece Tool Set with TB-103 Metal Tool Box
WSS-15F	15 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 1/2" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16
ST-1228	7/8
ST-1230	15/16
ST-1232	1

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

12 M

47 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, with Metal Box

Product Code	Description
MSS-47TB	47 Piece Tool Set with TB-6124A Metal Tool Box (Keep Safe Foam Not Included)
MSS-47F	47 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-15A	18" Speeder Handle
S-20A	12" Sliding T-Handle
S-40AA	10 13/16" Flex Handle
S-41AA	15 1/2" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-60D	Stud Remover
S-70	Ratchet Spinner Disk
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

Deep 12-Point Sockets

Product Code	Size (MM)
SMD-1213	13
SMD-1214	14
SMD-1215	15
SMD-1216	16
SMD-1217	17
SMD-1218	18
SMD-1219	19
SMD-1221	21
SMD-1222	22
SMD-1224	24
SMD-1227	27
SMD-1230	30

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1210	10
STM-1211	11
STM-1212	12
STM-1213	13
STM-1214	14
STM-1215	15
STM-1216	16
STM-1217	17
STM-1218	18
STM-1219	19
STM-1220	20
STM-1221	21
STM-1222	22
STM-1223	23
STM-1224	24
STM-1225	25
STM-1226	26
STM-1227	27
STM-1228	28
STM-1229	29
STM-1230	30
STM-1232	32
STM-1234	34
STM-1236	36

Made in U.S.A.





MSS-47TB

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

12 M

33 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, with Metal Box

Product Code	Description
MSS-33FTB	33 Piece Tool Set with TB-104 Metal Tool Box
MSS-33F	33 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 1/2" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

Deep 12-Point Sockets

Product Code	Size (MM)
SMD-1213	13
SMD-1214	14
SMD-1215	15
SMD-1216	16
SMD-1217	17
SMD-1218	18
SMD-1219	19
SMD-1221	21
SMD-1222	22
SMD-1224	24
SMD-1227	27
SMD-1230	30

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1210	10
STM-1211	11
STM-1212	12
STM-1213	13
STM-1214	14
STM-1215	15
STM-1216	16
STM-1217	17
STM-1218	18
STM-1219	19
STM-1220	20
STM-1221	21
STM-1222	22
STM-1223	23
STM-1224	24

Made in U.S.A.



MSS-33FTB

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WARNING



MSS-29FTB

WILLIAMS

29 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSS-29FTB	29 Piece Tool Set with TB-104 Metal Tool Box
MSS-29F	29 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 ⅜" Enclosed Head Ratchet
S-102P	2" Extension

Drive Tools:

Product Code	Description
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1210	10
STM-1211	11
STM-1212	12
STM-1213	13
STM-1214	14
STM-1215	15
STM-1216	16
STM-1217	17
STM-1218	18
STM-1219	19
STM-1220	20
STM-1221	21

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1222	22
STM-1223	23
STM-1224	24
STM-1225	25
STM-1226	26
STM-1227	27
STM-1228	28
STM-1229	29
STM-1230	30
STM-1232	32
STM-1234	34

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Metal tool box made for years of rugged use.



MSS-22FTB

WILLIAMS

22 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSS-22FTB	22 Piece Tool Set with TB-104 Metal Tool Box
MSS-22F	22 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 ⅜" Enclosed Head Ratchet
S-110P	5" Extension

Drive Tools:

Product Code	Description
S-115P	10" Extension
S-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (MM)
STM-1210	10
STM-1211	11
STM-1212	12
STM-1213	13
STM-1214	14
STM-1215	15
STM-1216	16
STM-1217	17
STM-1218	18

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1219	19
STM-1220	20
STM-1221	21
STM-1222	22
STM-1223	23
STM-1224	24
STM-1225	25
STM-1226	26

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

20 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam-System with Metal Box

Product Code	Description
MSS-20FTB	20 Piece Tool Set with TB-104 Metal Tool Box and Foam

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 ⅜" Enclosed Head Ratchet
S-110P	5" Extension

Shallow 12-Point Sockets

Product Code	Size (mm)
STM-1210	10
STM-1213	13
STM-1214	14
STM-1215	15
STM-1217	17
STM-1218	18
STM-1219	19
STM-1220	20
STM-1221	21

Shallow 12-Point Sockets

Product Code	Size (mm)
STM-1222	22
STM-1223	23
STM-1224	24
STM-1226	26
STM-1227	27
STM-1230	30
STM-1232	32
STM-1236	36

Made in U.S.A.

Features

- All tools are professional quality, made of high grade special alloy steel.
- Sockets feature SUPERTORQUE lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



MSS-20FTB

WILLIAMS®

23 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam-System with Metal Box

Product Code	Description
32960	23 Piece Tool Set with TB-104 Metal Tool Box and Foam

Contents Include:

Drive Tools:

Product Code	Description
32001	½" Drive Ratchet
32005	15" Flex Handle
32003	6" Extension
32004	10" Extension

Shallow 12-Point Sockets

Product Code	Size (mm)
32609	9
32610	10
32611	11
32612	12
32613	13
32614	14
32615	15
32616	16
32617	17
32618	18

Shallow 12-Point Sockets

Product Code	Size (mm)
32619	19
32620	20
32621	21
32622	22
32623	23
32624	24
32627	27
32630	30
32632	32

Features

- Designed for quick engagement on both 6 and 12 fasteners.
- Metal tool box made for years of rugged use.



32960

WARNING

WILLIAMS

146 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50614A	146 Piece 1/4", 3/8", 1/2" Drive Socket Set



50614A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	Ratchet
30003	3" Extension
30006A	Handle
30007	Universal Joint

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets, MM

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips Tip
35051	#1 Phillips Tip
35052	#2 Phillips Tip

1/4" Drive Torx Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension
31008	Adaptor - 3/8" F x 1/4" M

3/8" Drive Deep 12 Point Sockets, MM

Product Code	Size (MM)
31806	6
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

3/8" Drive Deep 12 Point Sockets, SAE

Product Code	Size (Inches)
31408	1/4
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Spark Plug Socket

Product Code	Size (Inches)
31301	5/8
31303	13/16

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32003	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor - 1/2" F x 3/8" M

1/2" Drive Shallow 12 Point Sockets,SAE

Product Code	Size (Inches)
32212	3/8
32214	7/16
32216	1/2
32218	9/16
32220	5/8
32222	11/16
32224	3/4
32226	13/16
32228	7/8
32230	15/16
32232	1

WILLIAMS®

138 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50612A	138 Piece 1/4", 3/8", 1/2" Drive Socket Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	Ratchet
30002	1-1/2" Extension
30003	3" Extension
30006A	Spinner Handle
30007	Universal Joint
30013	Hex Bit Holder
24880	13 Piece Insert Bit Set

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30305	5/32
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31008	Adaptor
31013	Hex Bit Holder

3/8" Drive Deep 12 Point Sockets, MM

Product Code	Size (MM)
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

3/8" Drive Deep 12 Point Sockets, SAE

Product Code	Size (Inches)
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32003	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor

1/2" Drive Shallow 12 Point Sockets, MM

Product Code	Size (MM)
32610	10
32611	11
32612	12
32613	13
32614	14
32615	15
32616	16
32617	17
32618	18
32619	19
32621	21
32622	22
32624	24
32627	27
32630	30
32632	32

1/2" Drive Shallow 12 Point Sockets, SAE

Product Code	Size (Inches)
32212	3/8
32214	7/16
32216	1/2
32218	9/16
32220	5/8
32222	11/16
32224	3/4
32226	13/16
32228	7/8
32230	15/16
32232	1
32234	1 1/16
32236	1 1/8
32238	1 3/16
32240	1 1/4



50612A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠WARNING

WILLIAMS

6 M F

61 PIECE 1/2" DRIVE SOCKET & TOOL SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50617A	61 Piece Socket, Wrench, and Screwdriver Set

Contents Include:

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32002	3" Extension
32003	6" Extension
32004	10" Extension
32005	15-1/2" Flex Handle
32006	Universal Joint
32008	Adaptor
32009	Adaptor 1/2 F x 3/4 M

1/2" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
32112	3/8
32114	7/16
32116	1/2
32118	9/16
32120	5/8
32122	11/16
32124	3/4
32126	13/16
32128	7/8
32130	15/16
32132	1
32134	1 1/16
32136	1 1/8
32138	1 3/16
32140	1 1/4

12 Point Combination Wrenches, SAE

Product Code	Size (Inches)
11108	1/4
11110	5/16
11112	3/8
11114	7/16
11116	1/2
11118	9/16
11120	5/8
11122	11/16
11124	3/4

1/2" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
32510	10
32511	11
32512	12
32513	13
32514	14
32515	15
32516	16
32517	17
32518	18
32519	19
32521	21
32522	22
32524	24
32527	27
32530	30
32532	32

12 Point Combination Wrenches, MM

Product Code	Size (MM)
11506	6
11508	8
11510	10
11512	12
11513	13
11514	14
11515	15
11517	17
11519	19

Comfort Grip Screwdrivers

Product Code	Description
24205A	3/16" x 4" Slotted
24219A	1/4" x 4" Slotted
24249A	# 1 x 3" Phillips
24253A	# 2 x 4" Phillips



50617A

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

BAHCO

6 M

40 PIECE 1/2" DRIVE SOCKET & TOOL SET

6 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
S400	40 Piece 1/2" Drive Socket and Wrench Set

Contents Include:

1/2" Drive Tools

Description
Quick Release Ratchet
5" Extension
10" Extension
16
T-Adapter
Flex Handle

1/2" Drive 6 Point Sockets

Sizes (MM)	Sizes (MM)	Sizes (MM)
10	17	24
11	18	25
12	19	26
13	20	27
14	21	28
15	22	30
16	23	32

12 Point Combination Wrenches

Sizes (MM)	Sizes (MM)
7	13
8	14
9	15
10	16
11	17
12	18
	19



S400

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.

WILLIAMS®

23 PIECE 1/2" DRIVE BASIC TOOL SET

12 Point Rugged-Case-System Tool Set, SAE

Product Code	Description
50609	23 Piece Basic Tool Set, SAE

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Quick-Release Ratchet
32002	3" Extension
32003	6" Extension
32004	10" Extension
32005	15" Flex Handle Breaker Bar
32006	Universal Joint
32008	1/2" F X 3/8" M Adapter
32009	1/2" F X 3/4" M Adapter

1/2" Drive Shallow 12-Point Sockets

Product Code	Size (Inches)
32212	3/8
32214	7/16
32216	1/2
32218	9/16
32220	5/8
32222	11/16
32224	3/4
32226	13/16
32228	7/8
32230	15/16
32232	1
32234	1 1/16
32236	1 1/8
32238	1 3/16
32240	1 1/4

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.



50609

WILLIAMS®

25 PIECE 1/2" DRIVE BASIC TOOL SET

12 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
50619	25 Piece Basic Tool Set, Metric

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Quick-Release Ratchet
32002	3" Extension
32003	6" Extension
32004	10" Extension
32005	15" Flex Handle Breaker Bar
32006	Universal Joint
32008	1/2" F X 3/8" M Adapter
32009	1/2" F X 3/4" M Adapter

1/2" Drive Shallow 12-Point Sockets

Product Code	Size (MM)
32610	10
32611	11
32612	12
32613	13
32614	14
32615	15
32616	16
32617	17
32618	18
32619	19
32620	20
32621	21
32622	22
32624	24
32627	27
32630	30
32632	32

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.



50619

⚠WARNING



50668

WILLIAMS

23 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, SAE

Product Code	Description
50668	23 Piece 1/2" Drive Socket and Drive Tool Set

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Pear Head Ratchet
32005	15 1/2" Flex Handle
32003	6" Extension

1/2" Drive Deep 12 Point Sockets

Product Code	Size (Inches)	Product Code	Size (Inches)
32416	1/2	32424	3/4
32418	9/16	32426	13/16
32420	5/8	32428	7/8
32422	11/16		

1/2" Drive Shallow 12 Point Sockets:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32114	7/16	32224	3/4	32234	1 1/16
32216	1/2	32226	13/16	32236	1 1/8
32218	9/16	32228	7/8	32240	1 1/4
32220	5/8	32230	15/16		
32222	11/16	32232	1		

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50667

WILLIAMS

12 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, SAE

Product Code	Description
50667	12 Piece 1/2" Drive Socket and Drive Tool Set

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Pear Head Ratchet
32003	6" Extension

1/2" Drive Shallow 12 Point Sockets:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32216	1/2	32224	3/4	32232	1
32218	9/16	32226	13/16	32236	1 1/8
32220	5/8	32228	7/8		
32222	11/16	32230	15/16		

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50669

WILLIAMS

12 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, MM

Product Code	Description
50669	12 Piece 1/2" Drive Socket and Drive Tool Set

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Pear Head Ratchet
32003	6" Extension

1/2" Drive Shallow 12 Point Sockets:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32612	12	32616	16	32622	22
32613	13	32617	17	32624	24
32614	14	32618	18		
32615	15	32619	19		

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

1/2" DRIVE ENCLOSED HEAD RATCHETS

Williams® Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
S-52EHA	Chrome Finish Enclosed Head Ratchet	10 1/4	36
S-52EHLA	Chrome Finish Enclosed Head Ratchet, Long	15	36
SB-52EHLA	Black Industrial Finish Enclosed Head Ratchet, Long	15	36
S-52EHFA	Chrome Finish Flex Head Ratchet	14 1/4	36
SB-52EHA	Black Industrial Finish Enclosed Head Ratchet	10 1/4	36
S-52EHRKA	Repair Kit "EHA" Model Enclosed Head Ratchets		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.



SB-52EHA



S-52EHLA



SB-52EHLA



S-52EHFA



S-52EHA

1/2" DRIVE ROUND HEAD RATCHETS

Knurled Handle, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
S-52A	Chrome Finish Round Head Ratchet	11 5/16	72
S-53A	Chrome Finish Round Head Ratchet, Long	15	72
BS-52A	Black Industrial Finish Round Head Ratchet	11 5/16	72
S-52ARK	Repair Kit		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Double pawl design with 72 teeth action provides a 5° ratcheting angle.
- Shift lever reverses action instantly.
- Knurled handle provides a non-slip grip.
- Chrome finish models provides increased protection from rust and corrosion.



S-53A



BS-52A



S-52A

1/2" DRIVE ROUND HEAD LINEMAN'S RATCHET

Knurled Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
S-52LAB	Round Head Lineman's Ratchet	11 5/16	72
S-52LARK	Repair Kit		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Same features as other Williams' round head ratchets.
- Extra-large shift lever allows easy reversal even when wearing gloves.



S-52LAB

⚠WARNING



BS-71CBA



BS-62



BS-63A



BS-63B

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

WILLIAMS

1/2" DRIVE NARROW HEAD CONSTRUCTION RATCHET

Knurled Handle, Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
BS-71CBA	Narrow Head Construction Ratchet	15 13/16	36
BS-71ARKA	Repair Kit		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Extra-large shift lever reverses action instantly and easily, even when wearing gloves.
- Tapered spud handle easily lines up bolt holes.

WILLIAMS

1/2" DRIVE SCAFFOLDING RATCHET

Product Code	Description	Product Code	Description
BS-62	Scaffolding Ratchet with out pry bar	BS-63BTIP	Hammer Tip
BS-63A	Scaffolding Ratchet with reversed pry bar	BS-63BBAR	Pry Bar
BS-63B	Scaffolding Ratchet with pry bar		
BS-63BRK	Repair Kit		

Features

Made in U.S.A.

- 1/2" Drive with pinned 7/8" 6-point socket, 2-1/4" length
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas
- Bronze hammer head reduces rebound
- Pry bar handle provide alignment option
- Socket feature SUPERTORQUE lobular opening for greater turning power without deforming the fastener
- Easy access reversing lever allows user to change working direction quickly and easily with only one hand
- Tethering device attached to handle
- Repair kit includes ratchet repair kit and cover plate



S-40AA



SB-40AA



BS-41AA



S-20A



S-10A



S-15A



S-41AA

WILLIAMS

1/2" DRIVE HANDLES

Knurled Handle, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)
S-40AA	Chrome Flex Handle	10 13/16
SB-40AA	Black Industrial Finish Flex Handle	10 13/16
S-41AA	Chrome Flex Handle	15 1/2
BS-41AA	Black Industrial Finish Flex Handle	15 1/2
S-20A	Sliding T-Handle	12
S-10A	Speeder Handle	13 5/8
S-15A	Speeder Handle	18 1/16
S-41RK	Flex Handle Repair Kit	

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Speeder handle is ideal for fast turn down of fasteners.

WILLIAMS®

1/2" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
S-102P	Extension	2
S-110P	Extension	5
S-115P	Extension	10
S-121P	Extension	20
S-140A	Universal Joint	2 11/16
S-70	Ratchet Spinner Disk	1 9/16

Fed. Spec: ANSI B107.10M

WSS-3XT 3 Piece Extension Set in Pouch

Contents Include:

Product Code	Size (Inches)
S-102P	2
S-110P	5
S-115P	10

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.
- Spinner disk is ideal for fast turn down of fasteners.



S-70 S-140A



WSS-3XT S-110P

WILLIAMS®

1/2" DRIVE ADAPTORS AND EXTENSION ADAPTERS

High-Polished Chrome and Black Oxide Finish

Product Code	Length (Inches)	Male End (Inches)	Female End (Inches)
Chrome Finish Adapter			
SH-130	1 15/16	3/4	1/2
Black Industrial Finish Adapters			
SH-130B	1 15/16	3/4	1/2
SH-131BF	2 5/16	1/2	3/4
Black Industrial Finish Extension Adapters			
BS-05B	5	3/8	1/2
BS-12B	12	3/8	1/2

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Ball and spring socket retention.
- Extension adapters offer convenience of extension and adapter in one tool.



BS-05B

BS-12B



SH-130 SH-131BA SH-130B

WILLIAMS®

1/2" DRIVE STUD REMOVER

Satin Chrome Finish

Product Code	Description	Length (Inches)	Capacity (Inches)
S-60E	Stud Remover	2 7/16	1/2 to 3/4

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Knurled wheel grips studs during removal.
- Drive shank extends through both sides of housing for even bearing surface.
- Capacity is 1/2" to 3/4" stud diameter.



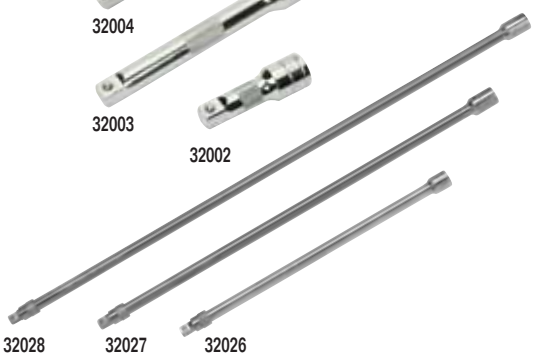
S-60E

⚠WARNING











WILLIAMS®

1/2" DRIVE RATCHETS AND HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
32001	40 Tooth Quick-Release Ratchet	9 7/8	32001RK
32011	Ultra-Fine 60-Tooth Ratchet	9 7/8	32011RK
32005	Flex Handle	15	
11920	Flex Handle, Comb. 3/8" x 1/2" Drive	10	
32007	Sliding T-Handle	15	

Fed. Spec: ANSI B107.10M

Features

- Ball and spring socket retention.
- Williams 1/2" Drive Ratchets Feature:
- Ultra-fine 60 tooth model offers 6° tooth action in a narrow pear head
- Unique Finger-Fit handles to provide a comfortable, non-slip grip and extra turning power.
- Choice of 38-tooth quick-release or 60-tooth ultra-fine gear.
- Narrow pear-shaped heads for access into confined work areas.
- High-polished chrome finish for easy cleaning.
- Unique combination 3/8" x 1/2" drive flex handle offers convenience of both drive sizes on one handle.

WILLIAMS®

1/2" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
32002	Extension	3
32003	Extension	6
32004	Extension	10
32006	Universal Joint	2 11/16
32008	Adaptor, 1/2" F x 3/8" M	1 7/16
32009	Adaptor, 1/2" F x 3/4" M	1 3/4
32023	Locking Extension	3
32024	Locking Extension	6
32025	Locking Extension	10
32026	Locking Extension	12
32027	Locking Extension	18
32028	Locking Extension	24

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.

WILLIAMS®

6 PIECE 1/2" DRIVE RATCHET AND DRIVE TOOL SET

Furnished in Pouch

Product Code	Description
32920	6 Piece 1/2" Drive Ratchet and Accessory Set

Contents Include:

Product Code	Description	Product Code	Description
32001	9 7/8" Quick-Release Ratchet	32005	15" Flex Handle Breaker Bar
32002	3" Extension	32006	Universal Joint
32004	10" Extension	32007	15" Sliding T-Handle

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.

WILLIAMS®

1/2" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
ST-1212	3/8	1 1/2	29/32	19/32	5/16	7/8	11/32	23/32
ST-1214	7/16	1 1/2	29/32	21/32	3/8	7/8	13/32	23/32
ST-1216	1/2	1 1/2	29/32	3/4	3/8	7/8	15/32	23/32
ST-1218	9/16	1 1/2	29/32	13/16	3/8	7/8	15/32	23/32
ST-1219	19/32	1 1/2	29/32	7/8	3/8	7/8	15/32	23/32
ST-1220	5/8	1 1/2	29/32	29/32	9/16	7/8	15/32	-
ST-1221	21/32	1 1/2	31/32	31/32	19/32	7/8	15/32	-
ST-1222	11/16	1 1/2	31/32	31/32	13/16	27/32	5/8	-
ST-1224	3/4	1 1/2	1 1/32	1 1/32	13/16	27/32	23/32	-
ST-1225	25/32	1 1/2	1 1/16	1 1/16	13/16	27/32	3/4	-
ST-1226	13/16	1 1/2	1 1/8	1 1/8	13/16	27/32	25/32	-
ST-1228	7/8	1 1/2	1 3/16	1 3/16	13/16	13/16	7/8	-
ST-1230	15/16	1 17/32	1 9/32	1 9/32	13/16	27/32	29/32	-
ST-1231	31/32	1 9/16	1 5/16	1 5/16	27/32	7/8	15/16	-
ST-1232	1	1 9/16	1 11/32	1 11/32	27/32	7/8	31/32	-
ST-1234	1 1/16	1 11/16	1 7/16	1 7/16	31/32	1	1 1/16	-
ST-1236	1 1/8	1 3/4	1 1/2	1 1/2	1 1/32	1 1/16	1 1/8	-
ST-1238	1 3/16	1 3/4	1 5/8	1 5/8	1	1 1/32	1 5/32	-
ST-1240	1 1/4	1 7/8	1 11/16	1 11/16	1 1/8	1 5/32	1 1/4	-
ST-1242	1 5/16	1 7/8	1 3/4	1 3/4	1 1/32	1 5/32	1 9/32	-
ST-1244	1 3/8	2 1/16	1 13/16	1 13/16	1	1 5/16	1 11/32	-
ST-1246	1 7/16	2 1/4	1 15/16	1 15/16	1 1/32	1 1/2	1 1/8	-
ST-1248	1 1/2	2 1/4	2	2	1 1/16	1 1/2	1 1/8	-

Fed. Spec: ANSI B107.110



WSS-15RC 15 Piece 1/2" Drive Shallow 12-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
ST-1212	3/8	ST-1222	11/16	ST-1232	1
ST-1214	7/16	ST-1224	3/4	ST-1234	1 1/16
ST-1216	1/2	ST-1226	13/16	ST-1236	1 1/8
ST-1218	9/16	ST-1228	7/8	ST-1238	1 3/16
ST-1220	5/8	ST-1230	15/16	ST-1240	1 1/4


WSS-15RC

WSS-23RC 23 Piece 1/2" Drive Shallow 12-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
ST-1212	3/8	ST-1221	21/32	ST-1230	15/16	ST-1240	1 1/4
ST-1214	7/16	ST-1222	11/16	ST-1231	31/32	ST-1242	1 5/16
ST-1216	1/2	ST-1224	3/4	ST-1232	1	ST-1244	1 3/8
ST-1218	9/16	ST-1225	25/32	ST-1234	1 1/16	ST-1246	1 7/16
ST-1219	19/32	ST-1226	13/16	ST-1236	1 1/8	ST-1248	1 1/2
ST-1220	5/8	ST-1228	7/8	ST-1238	1 3/16		

Made in U.S.A.

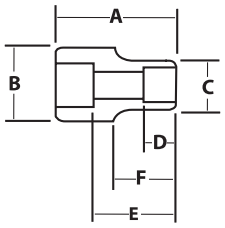
Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.


WSS-23RC

WARNING

WILLIAMS





32220 32212

1/2" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32212	3/8	1 1/2	7/8	5/8	1/2	25/32	5/16	23/32
32214	7/16	1 1/2	7/8	11/16	1/2	27/32	13/32	1 1/16
32216	1/2	1 1/2	7/8	3/4	17/32	27/32	15/32	23/32
32218	9/16	1 1/2	7/8	13/16	17/32	27/32	17/32	1 1/16
32220	5/8	1 1/2	29/32	29/32	17/32	27/32	9/16	-
32222	11/16	1 1/2	31/32	31/32	9/16	27/32	21/32	-
32224	3/4	1 1/2	1	1	3/4	29/32	23/32	-
32226	13/16	1 1/2	1 1/8	1 1/8	25/32	31/32	25/32	-
32228	7/8	1 5/8	1 3/16	1 3/16	7/8	1 1/32	7/8	-
32230	15/16	1 5/8	1 1/4	1 1/4	7/8	1 5/32	29/32	-
32232	1	1 5/8	1 5/16	1 5/16	7/8	1 3/16	31/32	-
32234	1 1/16	1 3/4	1 7/16	1 7/16	31/32	1 9/32	1 1/16	-
32236	1 1/8	1 3/4	1 1/2	1 1/2	31/32	1 5/16	1 5/32	-
32238	1 3/16	1 3/4	1 9/16	1 9/16	31/32	1 5/16	1 1/4	-
32240	1 1/4	1 3/4	1 11/16	1 21/32	31/32	1 5/16	1 1/4	-
32242	1 5/16	1 47/64	1 1/2	1 47/64	59/64	59/64	1 3/16	-
32244	1 3/8	1 47/64	1 37/64	1 53/64	59/64	59/64	1 17/64	-
32246	1 7/16	1 31/32	1 21/32	1 57/64	1 1/16	1 1/16	1 11/32	-
32248	1 1/2	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/8	-

Fed. Spec: ANSI B107.110

32922 9 Piece 1/2" Drive Shallow 12-Point Socket Set on Clip Rail



32922

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32216	1/2	32222	11/16	32228	7/8
32218	9/16	32224	3/4	32230	15/16
32220	5/8	32226	13/16	32232	1

32924 16 piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rails



32924

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32212	3/8	32220	5/8	32228	7/8	32236	1 1/8
32214	7/16	32222	11/16	32230	15/16	32238	1 3/16
32216	1/2	32224	3/4	32232	1	32240	1 1/4
32218	9/16	32226	13/16	32234	1 1/16	32248	1 1/2

32925 19 piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rails



32925

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32212	3/8	32222	11/16	32232	1	32242	1 5/16
32214	7/16	32224	3/4	32234	1 1/16	32244	1 3/8
32216	1/2	32226	13/16	32236	1 1/8	32246	1 7/16
32218	9/16	32228	7/8	32238	1 3/16	32248	1 1/2
32220	5/8	32230	15/16	32240	1 1/4		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS®

1/2" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
ST-612	3/8	1 1/2	29/32	19/32	5/16	7/8	11/32	23/32
ST-614	7/16	1 1/2	29/32	21/32	3/8	7/8	13/32	23/32
ST-616	1/2	1 1/2	29/32	3/4	3/8	7/8	15/32	23/32
ST-618	9/16	1 1/2	29/32	13/16	3/8	7/8	15/32	23/32
ST-619	19/32	1 1/2	29/32	7/8	3/8	7/8	15/32	23/32
ST-620	5/8	1 1/2	29/32	29/32	9/16	7/8	15/32	-
ST-622	11/16	1 1/2	31/32	31/32	13/16	27/32	5/8	-
ST-624	3/4	1 1/2	1 1/32	1 1/32	13/16	27/32	23/32	-
ST-625	25/32	1 1/2	1 1/16	1 1/16	13/16	27/32	3/4	-
ST-626	13/16	1 1/2	1 1/8	1 1/8	13/16	27/32	25/32	-
ST-628	7/8	1 1/2	1 3/16	1 3/16	13/16	13/16	7/8	-
ST-630	15/16	1 17/32	1 9/32	1 9/32	13/16	27/32	29/32	-
ST-632	1	1 9/16	1 11/32	1 11/32	27/32	7/8	31/32	-
ST-634	1 1/16	1 11/16	1 7/16	1 7/16	31/32	1	1 1/16	-
ST-636	1 1/8	1 3/4	1 1/2	1 1/2	1 1/32	1 1/16	1 1/8	-
ST-640	1 1/4	1 7/8	1 11/16	1 11/16	1 1/8	1 5/32	1 1/4	-

Fed. Spec: ANSI B107.1



ST-620 ST-612

WSS-14HRC 14 Piece 1/2" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
ST-612	3/8	ST-622	11/16	ST-632	1
ST-614	7/16	ST-624	3/4	ST-634	1 1/16
ST-616	1/2	ST-626	13/16	ST-636	1 1/8
ST-618	9/16	ST-628	7/8	ST-640	1 1/4
ST-620	5/8	ST-630	15/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.

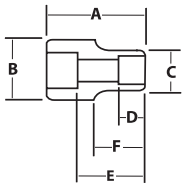


WSS-14HRC

WARNING

WILLIAMS®

1/2" DRIVE SHALLOW 6 POINT SOCKETS, SAE





32120 32112

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32112	3/8	1 1/2	7/8	5/8	1/2	25/32	5/16	23/32
32114	7/16	1 1/2	7/8	11/16	1/2	27/32	13/32	11/16
32116	1/2	1 1/2	7/8	3/4	17/32	27/32	15/32	23/32
32118	9/16	1 1/2	7/8	13/16	17/32	27/32	17/32	11/16
32120	5/8	1 1/2	29/32	29/32	17/32	27/32	9/16	-
32122	11/16	1 1/2	31/32	31/32	9/16	27/32	21/32	-
32124	3/4	1 1/2	1	1	3/4	29/32	23/32	-
32126	13/16	1 1/2	1 1/8	1 1/8	25/32	31/32	25/32	-
32128	7/8	1 5/8	1 3/16	1 3/16	7/8	1 1/32	7/8	-
32130	15/16	1 5/8	1 1/4	1 1/4	7/8	1 5/32	29/32	-
32132	1	1 5/8	1 5/16	1 5/16	7/8	1 3/16	31/32	-
32134	1 1/16	1 3/4	1 7/16	1 7/16	31/32	1 9/32	1 1/16	-
32136	1 1/8	1 3/4	1 1/2	1 1/2	31/32	1 5/16	1 5/32	-
32138	1 3/16	1 3/4	1 9/16	1 9/16	31/32	1 5/16	1 1/4	-
32140	1 1/4	1 3/4	1 11/16	1 21/32	31/32	1 5/16	1 1/4	-
32142	1 5/16	1 47/64	1 1/2	1 47/64	59/64	59/64	1 3/16	-
32144	1 3/8	1 47/64	1 37/64	1 53/64	59/64	59/64	1 17/64	-
32146	1 7/16	1 31/32	1 21/32	1 57/64	1 1/16	1 1/16	1 11/32	-
32148	1 1/2	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/8	-

Fed. Spec: ANSI B107.110



32934

32934 9 Piece 1/2" Drive Shallow 6-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32116	1/2	32122	11/16	32128	7/8
32118	9/16	32124	3/4	32130	15/16
32120	5/8	32126	13/16	32132	1

32937 16 Piece 1/2" Drive Shallow 6-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32112	3/8	32120	5/8	32128	7/8	32136	1 1/8
32114	7/16	32122	11/16	32130	15/16	32138	1 3/16
32116	1/2	32124	3/4	32132	1	32140	1 1/4
32118	9/16	32126	13/16	32134	1 1/16	32148	1 1/2



32937

32938 19 piece 1/2" Drive Shallow 6 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32112	3/8	32122	11/16	32132	1	32142	1 5/16
32114	7/16	32124	3/4	32134	1 1/16	32144	1 3/8
32116	1/2	32126	13/16	32136	1 1/8	32146	1 7/16
32118	9/16	32128	7/8	32138	1 3/16	32148	1 1/2
32120	5/8	32130	15/16	33140	1 1/4		



32938

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on 6 point fasteners.

WILLIAMS®

1/2" DRIVE CROWFOOT WRENCH, OPEN END SAE

Satin Chrome Finish, SAE

Product Code	Size (Inches)	A Outside Diameter (Inches)	C Center to Center (Inches)	E Head Depth (Inches)	F Total Depth (Inches)
SCOE30	15/16"	1 27/32	1 15/32	11/32	5/8
SCOE32	1"	1 31/32	1 11/16	23/64	5/8
SCOE34	1 1/16"	2 3/32	1 3/4	3/8	5/8
SCOE36	1 1/8"	2 7/32	1 3/4	3/8	5/8
SCOE38	1 3/16"	2 11/32	1 3/4	13/32	5/8
SCOE40	1 1/4"	2 15/32	2	13/32	5/8
SCOE42	1 5/16"	2 19/32	2	7/16	5/8
SCOE44	1 3/8"	2 23/32	2	7/16	5/8
SCOE46	1 7/16"	2 27/32	2	7/16	5/8
SCOE48	1 1/2"	2 31/32	2	15/32	5/8
SCOE50	1 9/16"	2 31/32	1 31/32	15/32	5/8
SCOE52	1 5/8"	3 7/32	1 31/32	1/2	5/8
SCOE54	1 11/16"	3 1/3	2 3/16	1/2	5/8
SCOE56	1 3/4"	3 15/32	2 3/16	17/32	5/8
SCOE58	1 13/16"	3 19/32	2 3/16	17/32	5/8
SCOE60	1 7/8"	3 23/32	2 3/16	9/16	5/8
SCOE64	2"	3 31/32	2 7/32	9/16	5/8
SCOE68	2 1/8"	3 31/32	2 7/32	37/64	5/8
SCOE72	2 1/4"	3 31/32	2 13/32	37/64	5/8
SCOE76	2 3/8"	4 3/8	2 31/64	19/32	5/8
SCOE78	2 7/16"	4 3/8	2 7/16	19/32	5/8
SCOE80	2 1/2"	4 3/8	2 13/32	19/32	5/8



SCOE48

WSSCOE-7 7 Piece 1/2" Drive Crowfoot Wrenches on Clip Rails, SAE

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
SCOE30	15/16"	SCOE34	1 1/16"	SCOE40	1 1/4"
SCOE32	1"	SCOE36	1 1/8"	SCOE46	1 7/16"
				SCOE48	1 1/2"

Made in U.S.A.

Features

- Crowfoot wrenches are professional quality, made of high grade steel.
- Featuring an open end with a continuous arc for constant contact with the fastener for greater turning power without deforming the fastener.



WSSCOE-7

⚠WARNING



10840



10841

WILLIAMS®

1/2" DRIVE CROWFOOT WRENCH, OPEN END, SAE

High Polished Chrome Finish

Product Code	Size (Inches)	Overall Length (Inches)	Diameter of Head (Inches)	Thickness of Head (Inches)	Thickness of Drive End (Inches)	Length of Centers (Inches)
10810	15/16	2 5/8	1 7/8	5/16	1/2	1 5/8
10811	1	2 5/8	2	5/16	1/2	1 5/8
10812	1 1/16	2 3/4	2	5/16	1/2	1 3/4
10813	1 1/8	2 3/4	2 7/32	5/16	1/2	1 3/4
10814	1 3/16	3	2 5/16	3/8	1/2	1 7/8
10815	1 1/4	3	2	3/8	1/2	1 7/8
10816	1 5/16	3	2.56	3/8	1/2	2
10817	1 3/8	3	2.68	3/8	1/2	2
10818	1 7/16	3 7/32	3	3/8	1/2	2
10819	1 1/2	3 7/32	3	3/8	1/2	2
10820	1 9/16	3 3/8	3	1/2	1/2	2
10821	1 5/8	3 3/8	3 1/4	1/2	1/2	2
10822	1 11/16	3 1/2	3 5/16	1/2	1/2	2 7/32
10823	1 3/4	3 1/2	3 1/2	1/2	1/2	2 7/32
10824	1 13/16	3 1/2	3 1/2	1/2	1/2	2 7/32
10825	1 7/8	3 1/2	3 1/2	1/2	1/2	2 7/32
10826	1 15/16	3 1/2	3 1/2	1/2	1/2	2 7/32
10827	2	3 3/4	4	1/2	1/2	2 1/4
10828	2 1/16	3 3/4	4	1/2	1/2	2 1/4
10829	2 1/8	4	4	1/2	1/2	2 1/2
10830	2 3/16	4	4	1/2	1/2	2 1/2
10831	2 1/4	4	4 7/32	1/2	1/2	2 1/2
10832	2 5/16	4	4 7/32	1/2	1/2	2 1/2
10833	2 3/8	4 1/4	4 1/4	1/2	1/2	2 1/2
10834	2 7/16	4 1/4	4 3/8	1/2	1/2	2 1/2
10835	2 1/2	4 1/4	4 3/8	1/2	1/2	2 1/2

10842 7 Piece 1/2" Drive Crowfoot Wrenches on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
10810	15/16	10813	1 1/8	10818	1 7/16
10811	1	10815	1 1/4	10819	1 1/2
10812	1 1/16				

10840 12 Piece 1/2" Drive Crowfoot Wrenches on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
10810	15/16	10814	1 3/16	10818	1 7/16
10811	1	10815	1 1/4	10819	1 1/2
10812	1 1/16	10816	1 5/16	10820	1 9/16
10813	1 1/8	10817	1 3/8	10821	1 5/8

10841 14 Piece 1/2" Drive Crowfoot Wrenches on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
10822	1 11/16	10825	1 7/8	10830	2 3/16	10833	2 3/8
10823	1 3/4	10827	2	10831	2 1/4	10834	2 7/16
10824	1 13/16	10828	2 1/16	10832	2 5/16	10835	2 1/2
10826	1 15/16	10829	2 1/8				

WILLIAMS®

1/2" DRIVE CROWFOOT WRENCH, FLARE NUT, 12 POINT

Satin Chrome Finish, SAE

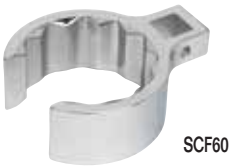
Product Code	Size (Inches)	A Diameter of Head	B Thickness of Head	C Width of Slot	D Length of Centers
SCF36	1 1/8	1 5/8	7/8	27/32	1 5/32
SCF38	1 3/16	1 11/16	7/8	27/32	1 3/16
SCF40	1 1/4	1 25/32	7/8	15/16	1 15/64
SCF42	1 5/16	1 27/32	7/8	31/32	1 17/64
SCF44	1 3/8	1 15/16	15/16	1 1/16	1 5/16
SCF46	1 7/16	2	15/16	1 1/16	1 11/32
SCF48	1 1/2	2 1/16	15/16	1 1/8	1 3/8
SCF50	1 9/16	2 5/32	15/16	1 5/32	1 27/64
SCF52	1 5/8	2 7/32	15/16	1 7/32	1 29/64
SCF54	1 11/16	2 5/16	1	1 5/16	1 33/64
SCF56	1 3/4	2 3/8	1	1 5/16	1 35/64
SCF58	1 13/16	2 15/32	1	1 11/32	1 19/32
SCF60	1 7/8	2 9/16	1 1/16	1 3/8	1 41/64
SCF62	1 15/16	2 1/2	1 1/16	1 7/16	1 43/64
SCF64	2	2 23/32	1 1/16	1 9/16	1 23/32

Fed. Spec: ASME B107.21 Type 1 Class 1

Made in U.S.A.



SCF36



SCF60

WSSCF-7 7 Piece 12 Point Crowfoot Wrench on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
SCF36	1 1/8	SCF42	1 5/16	SCF46	1 7/16
SCF38	1 3/16	SCF44	1 3/8	SCF48	1 1/2
SCF40	1 1/4				

WSSCF-15 15 Piece 12 Point Crowfoot Wrench on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
SCF36	1 1/8	SCF44	1 3/8	SCF52	1 5/8	SCF60	1 7/8
SCF38	1 3/16	SCF46	1 7/16	SCF54	1 11/16	SCF62	1 15/16
SCF40	1 1/4	SCF48	1 1/2	SCF56	1 3/4	SCF64	2
SCF42	1 5/16	SCF50	1 9/16	SCF58	1 13/16		

Features

- All tools are professional quality, made of high grade steel.
- High-polished chrome finish cleans easily.

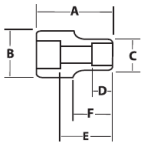


WSSCF-7



WSSCF-15

WARNING



WILLIAMS®

8 F

1/2" DRIVE SHALLOW SOCKETS, 8 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
ST-812	3/8	1 1/2	7/8	23/32	5/16	27/32	5/16	7/8
ST-814	7/16	1 1/2	7/8	13/16	3/8	27/32	5/16	7/8
ST-816	1/2	1 1/2	29/32	29/32	13/32	27/32	11/32	-
ST-818	9/16	1 1/2	31/32	31/32	7/16	27/32	7/16	-
ST-820	5/8	1 1/2	1 1/16	1 1/16	1/2	27/32	7/16	-
ST-822	11/16	1 1/2	1 3/16	1 3/16	1/2	27/32	17/32	-
ST-824	3/4	1 1/2	1 9/32	1 9/32	9/16	13/16	23/32	-
ST-826	13/16	1 5/8	1 7/16	17/16	9/16	31/32	27/32	-
ST-828	7/8	1 3/4	1 1/2	1 1/2	5/8	1 1/16	15/16	-
ST-830	15/16	1 13/16	1 5/8	1 5/8	11/16	1 1/8	1 1/32	-
ST-832	1	1 15/16	1 11/16	1 11/16	11/16	1 1/4	1 1/32	-
ST-834	1 1/16	1 15/16	1 3/4	1 3/4	23/32	1 1/8	13/16	-
ST-836	1 1/8	2	1 13/16	1 13/16	3/4	1 3/16	13/16	-
ST-840	1 1/4	2	2	2	25/32	1 3/16	1	-

Fed. Spec: ANSI B107.110



ST-812



WSS-810RC

WSS-810RC 10 Piece 1/2" Drive Shallow 8 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
ST-812	3/8	ST-820	5/8	ST-826	13/16
ST-814	7/16	ST-822	11/16	ST-828	7/8
ST-816	1/2	ST-824	3/4	ST-830	15/16
ST-818	9/16				



WSS-814RC

WSS-814RC 14 Piece 8 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
ST-812	3/8	ST-820	5/8	ST-828	7/8	ST-834	1 1/16
ST-814	7/16	ST-822	11/16	ST-830	15/16	ST-836	1 1/8
ST-816	1/2	ST-824	3/4	ST-832	1	ST-840	1 1/4
ST-818	9/16	ST-826	13/16				

USA Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 8 point sockets are designed for quick engagement on 4 point fasteners.



SD-1224

SD-1216

WILLIAMS®

12 F

1/2" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
SD-1216	1/2	3 1/4	29/32	3/4	13/32	2 19/32	15/32	2 15/32
SD-1218	9/16	3 1/4	29/32	13/16	7/16	2 19/32	15/32	2 15/32
SD-1220	5/8	3 1/4	29/32	29/32	15/32	2 7/16	19/32	-
SD-1222	11/16	3 1/4	31/32	31/32	17/32	2 11/32	21/32	-
SD-1224	3/4	3 1/4	1 1/16	1 1/16	19/32	2 5/16	23/32	-
SD-1225	25/32	3 1/4	1 1/16	1 1/16	21/32	2 9/32	25/32	-
SD-1226	13/16	3 1/4	1 1/8	1 1/8	21/32	2 9/32	25/32	-
SD-1228	7/8	3 1/4	1 3/16	1 3/16	23/32	2 9/32	27/32	-
SD-1230	15/16	3 1/4	1 9/32	1 9/32	3/4	2 9/32	29/32	-
SD-1232	1	3 1/4	1 11/32	111/32	3/4	2 1/4	1	-
SD-1234	1 1/16	3 1/4	1 7/16	1 7/16	3/4	2 1/4	1 1/16	
SD-1236	1 1/8	3 1/4	1 1/2	1 1/2	25/32	2 1/4	1 3/32	-

Fed. Spec: ANSI B107.110



WSSD-11RC

WSSD-11RC 11 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
SD-1216	1/2	SD-1224	3/4	SD-1232	1
SD-1218	9/16	SD-1226	13/16	SD-1234	1 1/16
SD-1220	5/8	SD-1228	7/8	SD-1236	1 1/8
SD-1222	11/16	SD-1230	15/16		

USA Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

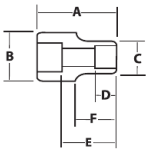
WILLIAMS®

1/2" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32412	3/8	3	7/8	5/8	1	2 7/32	11/32	1 15/32
32414	7/16	3 1/32	7/8	11/16	1 1/8	2 9/32	13/32	1 15/32
32416	1/2	3 1/32	7/8	3/4	31/32	2 7/32	7/16	1 15/32
32418	9/16	3 1/32	7/8	13/16	1 3/32	2 7/32	1/2	1 15/32
32420	5/8	3 1/32	29/32	29/32	1 3/16	2 3/16	9/16	-
32422	11/16	3 1/32	15/16	15/16	1 3/8	2 3/16	21/32	-
32424	3/4	3 1/32	1 1/16	1 1/16	1 1/4	2 11/32	23/32	-
32426	13/16	3 1/32	1 1/8	1 1/8	1 15/32	2 3/16	3/4	-
32428	7/8	3 1/32	1 3/16	1 3/16	1 13/32	2 1/4	27/32	-
32430	15/16	3 1/32	1 1/4	1 1/4	1 13/32	2 5/32	29/32	-
32432	1	3 1/32	1 11/32	1 11/32	1 13/32	2 5/32	15/16	-
32434	1 1/16	3 1/32	1 13/32	1 13/32	1 3/8	2 11/32	1 1/32	-
32436	1 1/8	3 1/32	1 1/2	1 1/2	1 7/16	2 3/8	1 1/16	-
32438	1 3/16	3 1/32	1 9/16	1 9/16	1 7/16	2 3/16	1 1/16	-
32440	1 1/4	3 1/32	1 21/32	1 21/32	1 7/16	2 3/16	1 1/16	-
32442	1 5/16	3 1/32	1 47/64	1 47/64	1 3/8	2 11/64	1 3/16	-
32444	1 3/8	3 1/32	1 53/64	1 53/64	1 3/8	2 11/64	1 17/64	-
32446	1 7/16	3 1/32	1 57/64	1 57/64	1 3/8	2 11/64	1 11/32	-
32448	1 1/2	3 1/32	1 15/16	1 31/32	1 7/16	2 3/16	1 1/16	-

Fed. Spec: ANSI B107.110





32420 32412

32926 9 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32416	1/2	32422	11/16	32428	7/8
32418	9/16	32424	3/4	32430	15/16
32420	5/8	32426	13/16	32432	1



32926

32928 16 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32412	3/8	32420	5/8	32428	7/8	32436	1 1/8
32414	7/16	32422	11/16	32430	15/16	32438	1 3/16
32416	1/2	32424	3/4	32432	1	32440	1 1/4
32418	9/16	32426	13/16	32434	1 1/16	32448	1 1/2



32928

32929 19 piece 1/2" Drive Deep 12 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32412	3/8	32422	11/16	32432	1	32442	1 5/16
32414	7/16	32424	3/4	32434	1 1/16	32444	1 3/8
32416	1/2	32426	13/16	32436	1 1/8	32446	1 7/16
32418	9/16	32428	7/8	32438	1 3/16	32448	1 1/2
32420	5/8	32430	15/16	32440	1 1/4		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



32929

WARNING

WILLIAMS®

1/2" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish



SD-624 SD-616

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
SD-616	1/2	3 1/4	29/32	3/4	13/32	2 19/32	15/32	2 15/32
SD-618	9/16	3 1/4	29/32	13/16	7/16	2 19/32	15/32	2 15/32
SD-620	5/8	3 1/4	29/32	29/32	15/32	2 7/16	19/32	-
SD-622	11/16	3 1/4	31/32	31/32	17/32	2 11/32	21/32	-
SD-624	3/4	3 1/4	1 1/16	1 1/16	19/32	2 5/16	23/32	-
SD-626	13/16	3 1/4	1 1/8	1 1/8	21/32	2 9/32	25/32	-
SD-628	7/8	3 1/4	1 3/16	1 3/16	23/32	2 9/32	27/32	-
SD-630	15/16	3 1/4	1 9/32	1 9/32	3/4	2 9/32	29/32	-
SD-632	1	3 1/4	1 11/32	1 11/32	3/4	2 1/4	1	-
SD-634	1 1/16	3 1/4	1 7/16	1 7/16	25/32	2 1/4	1 1/32	-
SD-636	1 1/8	3 1/4	1 1/2	1 1/2	25/32	2 1/4	1 3/32	-

Fed. Spec: ANSI B107.110

WSSD-11HRC 11 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
SD-616	1/2	SD-624	3/4	SD-632	1
SD-618	9/16	SD-626	13/16	SD-634	1 1/16
SD-620	5/8	SD-628	7/8	SD-636	1 1/8
SD-622	11/16	SD-630	15/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.



WSSD-11HRC

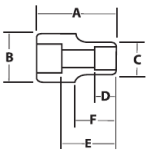
WILLIAMS®

1/2" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32312	3/8	3	7/8	5/8	1	2 7/32	11/32	1 15/32
32314	7/16	3 1/32	7/8	11/16	1 1/8	2 9/32	13/32	1 15/32
32316	1/2	3 1/32	7/8	3/4	31/32	2 7/32	7/16	1 15/32
32318	9/16	3 1/32	7/8	13/16	1 3/32	2 7/32	1/2	1 15/32
32320	5/8	3 1/32	29/32	29/32	1 3/16	2 3/16	9/16	-
32322	11/16	3 1/32	15/16	15/16	1 3/8	2 3/16	21/32	-
32324	3/4	3 1/32	1 1/16	1 1/16	1 1/4	2 11/32	23/32	-
32326	13/16	3 1/32	1 1/8	1 1/8	1 15/32	2 3/16	3/4	-
32328	7/8	3 1/32	1 3/16	1 3/16	1 13/32	2 1/4	27/32	-
32330	15/16	3 1/32	1 1/4	1 1/4	1 13/32	2 5/32	29/32	-
32332	1	3 1/32	1 11/32	1 11/32	1 13/32	2 5/32	15/16	-
32334	1 1/16	3 1/32	1 13/32	1 13/32	1 3/8	2 11/32	1 1/32	-
32336	1 1/8	3 1/32	1 1/2	1 1/2	1 7/16	2 3/8	1 1/16	-
32338	1 3/16	3 1/32	1 9/16	1 9/16	1 7/16	2 3/16	1 1/16	-
32340	1 1/4	3 1/32	1 21/32	1 21/32	1 7/16	2 3/16	1 1/16	-
32342	1 5/16	3 1/32	1 47/64	1 47/64	1 3/8	2 11/64	1 3/16	-
32344	1 3/8	3 1/32	1 53/64	1 53/64	1 3/8	2 11/64	1 17/64	-
32346	1 7/16	3 1/32	1 57/64	1 57/64	1 3/8	2 11/64	1 11/32	-
32348	1 1/2	3 1/32	1 15/16	1 31/32	1 7/16	2 3/16	1 1/16	-

Fed. Spec: ANSI B107.110





32320 32312

32936 9 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32316	1/2	32322	11/16	32328	7/8
32318	9/16	32324	3/4	32330	15/16
32320	5/8	32326	13/16	32332	1



32936

32939 16 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32312	3/8	32320	5/8	32328	7/8	32336	1 1/8
32314	7/16	32322	11/16	32330	15/16	32338	1 3/16
32316	1/2	32324	3/4	32332	1	32340	1 1/4
32318	9/16	32326	13/16	32334	1 1/16	32348	1 1/2



32939

32940 19 piece 1/2" Drive Deep 6 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32312	3/8	32322	11/16	32332	1	32342	1 5/16
32314	7/16	32322	3/4	32334	1 1/16	32344	1 3/8
32316	1/2	32326	13/16	32336	1 1/8	32346	1 7/16
32318	9/16	32328	7/8	32338	1 3/16	32348	1 1/2
32320	5/8	32330	15/16	32340	1 1/4		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on 6 point fasteners.



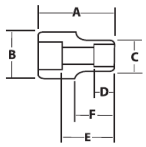
32940

WARNING

WILLIAMS

1/2" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish



Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
STM-1210	10	1 1/2	29/32	19/32	5/16	7/8	11/32	23/32
STM-1211	11	1 1/2	29/32	11/16	5/16	7/8	13/32	23/32
STM-1212	12	1 1/2	29/32	23/32	13/32	7/8	7/16	23/32
STM-1213	13	1 1/2	29/32	25/32	3/8	7/8	15/32	23/32
STM-1214	14	1 1/2	29/32	27/32	3/8	7/8	15/32	23/32
STM-1215	15	1 1/2	29/32	7/8	3/8	7/8	15/32	-
STM-1216	16	1 1/2	29/32	29/32	9/16	7/8	15/32	-
STM-1217	17	1 1/2	31/32	31/32	9/16	7/8	15/32	-
STM-1218	18	1 1/2	1	1	13/16	27/32	15/32	-
STM-1219	19	1 1/2	1 1/32	1 1/32	13/16	27/32	23/32	-
STM-1220	20	1 1/2	1 1/16	1 1/16	13/16	27/32	23/32	-
STM-1221	21	1 1/2	1 1/8	1 1/8	13/16	27/32	3/4	-
STM-1222	22	1 1/2	1 3/16	1 3/16	13/16	27/32	25/32	-
STM-1223	23	1 1/2	1 1/4	1 1/4	25/32	13/16	27/32	-
STM-1224	24	1 17/32	1 9/32	1 9/32	13/16	27/32	7/8	-
STM-1225	25	1 9/16	1 5/16	1 5/16	13/16	7/8	15/16	-
STM-1226	26	1 5/8	1 3/8	1 3/8	29/32	15/16	31/32	-
STM-1227	27	1 23/32	1 7/16	1 7/16	31/32	1	1	-
STM-1228	28	1 3/4	1 1/2	1 1/2	1	1 1/16	1 1/32	-
STM-1229	29	1 3/4	1 9/16	1 9/16	1 1/32	1 1/16	1 1/16	-
STM-1230	30	1 3/4	1 5/8	1 5/8	1 1/32	1 1/32	1 3/32	-
STM-1232	32	1 7/8	1 11/16	1 11/16	1 1/8	1 5/32	1 3/16	-
STM-1234	34	2 1/16	1 3/4	1 3/4	7/8	1 7/16	1	-
STM-1236	36	2 1/16	1 15/16	1 15/16	7/8	1 7/16	1 13/32	-

Fed. Spec: ANSI B107.110



STM-1229 STM-1212



MSS-15RC

MSS-15RC 15 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
STM-1210	10	STM-1214	14	STM-1218	18	STM-1222	22
STM-1211	11	STM-1215	15	STM-1219	19	STM-1223	23
STM-1212	12	STM-1216	16	STM-1220	20	STM-1224	24
STM-1213	13	STM-1217	17	STM-1221	21		



MSS-15SRC

MSS-15SRC 15 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
STM-1210	10	STM-1217	17	STM-1222	22	STM-1227	27
STM-1213	13	STM-1218	18	STM-1223	23	STM-1230	30
STM-1214	14	STM-1219	19	STM-1224	24	STM-1232	32
STM-1215	15	STM-1220	20	STM-1226	26		

MSS-24RC 24 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
STM-1210	10	STM-1216	16	STM-1222	22	STM-1228	28
STM-1211	11	STM-1217	17	STM-1223	23	STM-1229	29
STM-1212	12	STM-1218	18	STM-1224	24	STM-1230	30
STM-1213	13	STM-1219	19	STM-1225	25	STM-1232	32
STM-1214	14	STM-1220	20	STM-1226	26	STM-1234	34
STM-1215	15	STM-1221	21	STM-1227	27	STM-1236	36

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.



MSS-24RC

WILLIAMS®

1/2" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32609	9	1 1/2	7/8	9/16	9/16	11/16	5/16	23/32
32610	10	1 1/2	7/8	5/8	1/2	27/32	3/8	23/32
32611	11	1 1/2	7/8	21/32	1/2	7/8	13/32	23/32
32612	12	1 1/2	7/8	23/32	1/2	7/8	7/16	23/32
32613	13	1 1/2	7/8	3/4	9/16	27/32	15/32	23/32
32614	14	1 1/2	7/8	13/16	9/16	13/16	17/32	23/32
32615	15	1 1/2	7/8	7/8	17/32	13/16	9/16	-
32616	16	1 1/2	29/32	29/32	17/32	27/32	19/32	-
32617	17	1 1/2	15/16	15/16	17/32	27/32	21/32	-
32618	18	1 1/2	1	1	3/4	13/16	11/16	-
32619	19	1 1/2	1 1/16	1 1/16	3/4	7/8	45/64	-
32620	20	1 1/2	1 3/32	1 3/32	25/32	15/16	47/64	-
32621	21	1 1/2	1 1/8	1 1/8	25/32	15/16	49/64	-
32622	22	1 5/8	1 3/16	1 3/16	7/8	1 1/32	25/32	-
32623	23	1 5/8	1 7/32	1 7/32	7/8	1 1/32	13/16	-
32624	24	1 5/8	1 1/4	1 1/4	7/8	1 3/32	53/64	-
32625	25	1 5/8	1 5/16	1 5/16	7/8	1 3/32	55/64	-
32626	26	1 3/4	1 5/16	1 5/16	15/16	1 3/16	57/64	-
32627	27	1 3/4	1 7/16	1 7/16	15/16	1 3/16	29/32	-
32628	28	1 3/4	1 7/16	1 7/16	31/32	1 9/32	15/16	-
32629	29	1 3/4	1 1/2	1 1/2	31/32	1 9/32	31/32	-
32630	30	1 3/4	1 9/16	1 9/16	31/32	1 11/32	63/64	-
32632	32	1 3/4	1 5/8	1 5/8	31/32	1 11/32	1 1/64	-
32634	34	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/32	-
32636	36	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/32	-



32615 32609

Fed. Spec: ANSI B107.110

32930 10 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32610	10	32614	14	32618	18
32611	11	32615	15	32619	19
32612	12	32616	16		
32613	13	32617	17		



32930

32931 15 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32610	10	32614	14	32619	19	32627	27
32611	11	32615	15	32620	20	32630	30
32612	12	32617	17	32622	22	32632	32
32613	13	32618	18	32624	24		



32931

32932 16 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32609	9	32613	13	32617	17	32621	21
32610	10	32614	14	32618	18	32622	22
32611	11	32615	15	32619	19	32623	23
32612	12	32616	16	32620	20	32624	24

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



32932

WARNING

WILLIAMS®

1/2" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish



32515 32509

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32509	9	1 1/2	7/8	9/16	9/16	11/16	5/16	23/32
32510	10	1 1/2	7/8	5/8	1/2	27/32	3/8	23/32
32511	11	1 1/2	7/8	21/32	1/2	7/8	13/32	23/32
32512	12	1 1/2	7/8	23/32	1/2	7/8	7/16	23/32
32513	13	1 1/2	7/8	3/4	9/16	27/32	15/32	23/32
32514	14	1 1/2	7/8	13/16	9/16	13/16	17/32	23/32
32515	15	1 1/2	7/8	7/8	17/32	13/16	9/16	-
32516	16	1 1/2	29/32	29/32	17/32	27/32	19/32	-
32517	17	1 1/2	15/16	15/16	17/32	27/32	21/32	-
32518	18	1 1/2	1	1	3/4	13/16	11/16	-
32519	19	1 1/2	1 1/16	1 1/16	3/4	7/8	45/64	-
32520	20	1 1/2	1 3/32	1 3/32	25/32	15/16	47/64	-
32521	21	1 1/2	1 1/8	1 1/8	25/32	15/16	49/64	-
32522	22	1 5/8	1 3/16	1 3/16	7/8	1 1/32	25/32	-
32523	23	1 5/8	1 7/32	1 7/32	7/8	1 1/32	13/16	-
32524	24	1 5/8	1 1/4	1 1/4	7/8	1 3/32	53/64	-
32525	25	1 5/8	1 5/16	1 5/16	7/8	1 3/32	55/64	-
32526	26	1 3/4	1 5/16	1 5/16	15/16	1 3/16	57/64	-
32527	27	1 3/4	1 7/16	1 7/16	15/16	1 3/16	29/32	-
32528	28	1 3/4	1 7/16	1 7/16	31/32	1 9/32	15/16	-
32529	29	1 3/4	1 1/2	1 1/2	31/32	1 9/32	31/32	-
32530	30	1 3/4	1 9/16	1 9/16	31/32	1 11/32	63/64	-
32532	32	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/32	-
32534	34	1 47/64	1 1/2	1 49/64	31/32	1 11/32	1 1/64	-
32536	36	2 1/16	1 15/16	1 15/16	7/8	1 7/16	1 13/32	-

Fed. Spec: ANSI B107.110

32943 16 Piece 1/2" Drive Shallow 6 Point Socket Set on Clip Rail



32943

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32509	9	32513	13	32517	17	32521	21
32510	10	32514	14	32518	18	32522	22
32511	11	32515	15	32519	19	32523	23
32512	12	32516	16	32520	20	32524	24

32941 24 piece 1/2" Drive Shallow 6 Point Socket Set on Clip Rails



32941

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32509	9	32515	15	32521	21	32527	27
32510	10	32516	16	32522	22	32528	28
32511	11	32517	17	32523	23	32529	29
32512	12	32518	18	32524	24	32530	30
32513	13	32519	19	32525	25	32532	32
32514	14	32520	20	32526	26	32536	36

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 point fasteners.

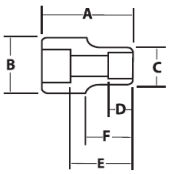
WILLIAMS®

1/2" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
SMD-1213	13	3 1/4	29/32	25/32	13/32	2 15/32	15/32	2 19/32
SMD-1214	14	3 1/4	29/32	27/32	13/32	2 15/32	15/32	2 19/32
SMD-1215	15	3 1/4	29/32	7/8	13/32	2 15/32	15/32	-
SMD-1216	16	3 1/4	29/32	29/32	15/32	2 7/16	17/32	-
SMD-1217	17	3 1/4	31/32	31/32	1/2	2 11/32	5/8	-
SMD-1218	18	3 1/4	1	1	17/32	2 11/32	21/32	-
SMD-1219	19	3 1/4	1 1/32	1 1/32	9/16	2 5/16	11/16	-
SMD-1221	21	3 1/4	1 1/8	1 1/8	21/32	2 5/16	3/4	-
SMD-1222	22	3 1/4	1 3/16	1 3/16	23/32	2 9/32	13/16	-
SMD-1224	24	3 1/4	1 9/32	1 9/32	3/4	2 9/32	7/8	-
SMD-1227	27	3 1/4	1 7/16	1 7/16	3/4	2 1/4	1	-
SMD-1230	30	3 1/4	1 5/8	1 5/8	13/16	2 1/4	1 3/32	-

Fed. Spec: ANSI B107.110





SMD-1218

MSSD-12RC 12 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
SMD-1213	13	SMD-1217	17	SMD-1222	22
SMD-1214	14	SMD-1218	18	SMD-1224	24
SMD-1215	15	SMD-1219	19	SMD-1227	27
SMD-1216	16	SMD-1221	21	SMD-1230	30

MSSD-17RC 17 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32810	10	SMD-1216	16	SMD-1222	22
32811	11	SMD-1217	17	SMD-1224	24
32812	12	SMD-1218	18	SMD-1227	27
SMD-1213	13	SMD-1219	19	SMD-1230	30
SMD-1214	14	32820	20	32832	32
SMD-1215	15	SMD-1221	21		



MSSD-12RC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.



MSSD-17RC

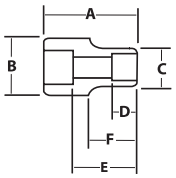
WARNING

WILLIAMS®

12 M

1/2" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish





32817 32810

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32809	9	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32
32810	10	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32
32811	11	3 1/4	29/32	11/16	5/16	2 15/32	13/32	2 19/32
32812	12	3 1/4	29/32	23/32	13/32	2 15/32	7/16	2 19/32
32813	13	3 1/4	29/32	25/32	3/8	2 15/32	15/32	2 19/32
32814	14	3 1/4	29/32	27/32	3/8	2 15/32	15/32	2 19/32
32815	15	3 1/4	29/32	7/8	3/8	2 11/32	15/32	-
32816	16	3 1/4	29/32	29/32	9/16	2 11/32	15/32	-
32817	17	3 1/4	31/32	31/32	9/16	2 11/32	15/32	-
32818	18	3 1/4	1	1	13/16	2 11/32	15/32	-
32819	19	3 1/4	1 1/32	1 1/32	13/16	2 5/16	23/32	-
32820	20	3 1/4	1 1/16	1 1/16	13/16	2 5/16	23/32	-
32821	21	3 1/4	1 1/8	1 1/8	13/16	2 5/16	3/4	-
32822	22	3 1/4	1 3/16	1 3/16	13/16	2 5/16	25/32	-
32823	23	3 1/4	1 1/4	1 1/4	25/32	2 5/16	27/32	-
32824	24	3 1/4	1 9/32	1 9/32	13/16	2 5/16	7/8	-
32825	25	3 1/4	1 5/16	1 5/16	13/16	2 1/4	15/16	-
32826	26	3 1/4	1 3/8	1 3/8	29/32	2 1/4	31/32	-
32827	27	3 1/4	1 7/16	1 7/16	31/32	2 1/4	1	-
32828	28	3 1/4	1 1/2	1 1/2	1	2 1/4	1 1/32	-
32829	29	3 1/4	1 9/16	1 9/16	1 1/32	2 1/4	1 1/16	-
32830	30	3 1/4	1 5/8	1 5/8	1 1/32	2 1/4	1 3/32	-
32832	32	3 1/4	1 11/16	1 11/16	1 1/8	2 1/4	1 3/16	-
32834	34	3 1/4	1 3/4	1 3/4	7/8	2 1/4	1	-
32836	36	3 1/4	1 15/16	1 15/16	7/8	2 1/4	1 13/32	-

Fed. Spec: ANSI B107.110



32951

32951 16 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32809	9	32813	13	32817	17	32821	21
32810	10	32814	14	32818	18	32822	22
32811	11	32815	15	32819	19	32823	23
32812	12	32816	16	32820	20	32824	24



32949

32949 24 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32809	9	32815	15	32821	21	32827	27
32810	10	32816	16	32822	22	32828	28
32811	11	32817	17	32823	23	32829	29
32812	12	32818	18	32824	24	32830	30
32813	13	32819	19	32825	25	32832	32
32814	14	32820	20	32826	26	32836	36

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

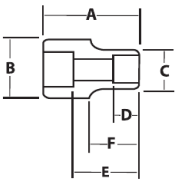
WILLIAMS®

1/2" DRIVE DEEP SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32709	9	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32
32710	10	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32
32711	11	3 1/4	29/32	11/16	5/16	2 15/32	13/32	2 19/32
32712	12	3 1/4	29/32	23/32	13/32	2 15/32	7/16	2 19/32
32713	13	3 1/4	29/32	25/32	3/8	2 15/32	15/32	2 19/32
32714	14	3 1/4	29/32	27/32	3/8	2 15/32	15/32	2 19/32
32715	15	3 1/4	29/32	7/8	3/8	2 11/32	15/32	-
32716	16	3 1/4	29/32	29/32	9/16	2 11/32	15/32	-
32717	17	3 1/4	31/32	31/32	9/16	2 11/32	15/32	-
32718	18	3 1/4	1	1	13/16	2 11/32	15/32	-
32719	19	3 1/4	1 1/32	1 1/32	13/16	2 5/16	23/32	-
32720	20	3 1/4	1 1/16	1 1/16	13/16	2 5/16	23/32	-
32721	21	3 1/4	1 1/8	1 1/8	13/16	2 5/16	3/4	-
32722	22	3 1/4	1 3/16	1 3/16	13/16	2 5/16	25/32	-
32723	23	3 1/4	1 1/4	1 1/4	25/32	2 5/16	27/32	-
32724	24	3 1/4	1 9/32	1 9/32	13/16	2 5/16	7/8	-
32725	25	3 1/4	1 5/16	1 5/16	13/16	2 1/4	15/16	-
32726	26	3 1/4	1 3/8	1 3/8	29/32	2 1/4	31/32	-
32727	27	3 1/4	1 7/16	1 7/16	31/32	2 1/4	1	-
32728	28	3 1/4	1 1/2	1 1/2	1	2 1/4	1 1/32	-
32729	29	3 1/4	1 9/16	1 9/16	1 1/32	2 1/4	1 1/16	-
32730	30	3 1/4	1 5/8	1 5/8	1 1/32	2 1/4	1 3/32	-
32732	32	3 1/4	1 11/16	1 11/16	1 1/8	2 1/4	1 3/16	-
32734	34	3 1/4	1 3/4	1 3/4	7/8	2 1/4	1	-
32736	36	3 1/4	1 15/16	1 15/16	7/8	2 1/4	1 13/32	-

Fed. Spec: ANSI B107.110





32717 32710

32947 16 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32709	9	32713	13	32717	17	32721	21
32710	10	3 2714	14	32718	18	32722	22
32711	11	32715	15	32719	19	32723	23
32712	12	32716	16	32720	20	32724	24



32947

32945 24 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32709	9	32715	15	32721	21	32727	27
32710	10	32716	16	32722	22	32728	28
32711	11	32717	17	32723	23	32729	29
32712	12	32718	18	32724	24	32730	30
32713	13	32719	19	32725	25	32732	32
32714	14	32720	20	32726	26	32736	36



32945

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

⚠WARNING

WILLIAMS®

1/2" DRIVE TURBOSOCKET® SALVAGE/DAMAGED FASTENER SOCKETS



TS50750



TS51551



TSFS5005



TSM5107

Black Industrial Finish, Metric and SAE

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
TS50750	3/4	1 21/32	1 1/16	1 1/16	23/32	1	3/4	-
TS50812	13/16	1 21/32	1 1/8	1 1/8	23/32	1	13/16	-
TS50875	7/8	1 21/32	1 3/16	1 3/16	23/32	1	7/8	-
TS50937	15/16	1 21/32	1 5/16	1 5/16	23/32	1	15/16	-
TS50100	1	1 21/32	1 11/32	1 11/32	23/32	1	1	-

Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
TS51551	14	1 21/32	29/32	27/32	1/2	1	9/16	29/32
TS51591	15	1 21/32	29/32	29/32	1/2	1	19/32	-
TS51625	16	1 21/32	31/32	31/32	1/2	23/32	5/8	-
TS51669	17	1 21/32	1	1	21/32	23/32	11/16	-
TS51709	18	1 21/32	1 1/32	1 1/32	21/32	23/32	23/32	-
TS51750	19	1 21/32	1 1/16	1 1/16	23/32	1	3/4	-
TS51827	21	1 21/32	1 3/16	1 3/16	21/32	1	27/32	-

TSFS5005 5 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, SAE
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
TS50750	3/4	TS50937	15/16
TS50812	13/16	TS50100	1
TS50875	7/8		

TSMS5107 7 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, Metric
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
TS51551	14	TS51709	18
TS51591	15	TS51750	19 (3/4")
TS51625	16 (5/8")	TS51827	21
TS51669	17		

Features
- Quickly and easily remove damaged or rounded nuts and bolts.
- Place socket on fastener and turn with ratchet, breaker bar or T-handle.
- Grip on fastener tightens as more torque is applied.
- No hammering is required to install socket over fastener.
- Use on all types of standard nuts and bolts as well as studs, pipe nipples, and corroded auto and marine fasteners.
- May be used for "best fit" on metric and fractional fasteners.
- May be used with air or electric impact wrench for extra speed and turning power.

Made in U.S.A.

WILLIAMS®

1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE



SA-16A



WSSS-6RC

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
SA-8A	1/4	1 1/2	29/32	2 1/4	BITH08-05
SA-10A	5/16	1 1/2	29/32	2 1/4	BITH10-05
SA-12A	3/8	1 1/2	29/32	2 1/4	BITH12-03
SA-16A	1/2	1 1/2	31/32	2 1/4	BITH16-01
SA-18A	9/16	1 9/16	1 1/16	2 1/4	BITH18-01
SA-20A	5/8	1 25/32	1 1/4	2 1/4	BITH20-01

WSSS-6RC 6 Piece Hex Bit Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
SA-8A	1/4	SA-16A	1/2
SA-10A	5/16	SA-18A	9/16
SA-12A	3/8	SA-20A	5/8

Features
- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.

WILLIAMS®

1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35208	1/4	1 7/16	29/32	2 13/32	27/32
35210	5/16	1 7/16	29/32	2 13/32	27/32
35212	3/8	1 7/16	29/32	2 13/32	27/32
35214	7/16	1 7/16	29/32	2 13/32	27/32
35202	1/2	1 19/32	7/8	2 13/32	27/32
35203	9/16	1 19/32	1	2 13/32	27/32
35204	5/8	1 19/32	1 1/16	2 13/32	27/32
35206	3/4	1 19/32	1 3/16	2 13/32	27/32



35202

32902 4 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
35202	1/2	35204	5/8
35203	9/16	35206	3/4



32902

32903 8 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35208	1/4	35214	7/16	35204	5/8
35210	5/16	35202	1/2	35206	3/4
35212	3/8	35203	9/16		



32903

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35274	8	1 19/32	29/32	2 13/32	27/32
35275	10	1 19/32	29/32	2 7/16	27/32
35276	12	1 19/32	29/32	2 7/16	27/32
35277	14	1 19/32	1	2 7/16	27/32
35278	17	1 19/32	1 3/32	2 7/16	27/32
35279	19	1 19/32	1 3/16	2 7/16	27/32



35274

32904 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
35274	8	35277	14
35275	10	35278	17
35276	12	35279	19



32904

Features

- High-polished chrome finish socket cleans easily.

⚠WARNING



SA-16LA



WSSS-6LRC

WILLIAMS®

1/2" DRIVE LONG HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
SA-8LA	1/4	1 1/2	29/32	4 1/2	BITH08-06
SA-10LA	5/16	1 1/2	29/32	4 1/2	BITH10-06
SA-12LA	3/8	1 1/2	29/32	4 1/2	BITH12-04
SA-16LA	1/2	1 1/2	31/32	4 1/2	BITH16-02
SA-18LA	9/16	1 9/16	1 1/16	4 1/2	BITH18-02
SA-20LA	5/8	1 25/32	1 1/4	4 1/2	BITH20-02

WSSS-6LRC 6 Piece Long Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
SA-8LA	1/4	SA-16LA	1/2
SA-10LA	5/16	SA-18LA	9/16
SA-12LA	3/8	SA-20LA	5/8

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.



35232



32957



32955

WILLIAMS®

1/2" DRIVE LONG LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35238	1/4	1 1/2	29/32	5 1/2
35240	5/16	1 1/2	29/32	5 1/2
35242	3/8	1 1/2	29/32	5 1/2
35244	7/16	1 1/2	29/32	5 1/2
35232	1/2	1 1/2	7/8	5 1/2
35233	9/16	1 9/16	1	5 1/2
35234	5/8	1 25/32	1 1/16	5 1/2
35236	3/4	1 25/32	1 3/16	5 1/2

32957 4 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
35232	1/2	35234	5/8
35233	9/16	35236	3/4

32955 8 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35238	1/4	35244	7/16	35234	5/8
35240	5/16	35232	1/2	35236	3/4
35242	3/8	35233	9/16		

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/2" DRIVE LONG LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35294	8	1 1/2	29/32	5 1/2
35295	10	1 1/2	29/32	5 1/2
35296	12	1 1/2	29/32	5 1/2
35297	14	1 1/2	1	5 1/2
35298	17	1 1/2	1 3/32	5 1/2
35299	19	1 1/2	1 3/16	5 1/2



35294

32953 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
35294	8	35297	14
35295	10	35298	17
35296	12	35299	19



32953

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/2" DRIVE TORX® BIT SOCKETS

High-Polished Chrome Finish

Product Code	Torx® Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35283	T40	1 19/32	29/32	2 7/16	7/8
35284	T45	1 19/32	29/32	2 7/16	7/8
35285	T50	1 19/32	29/32	2 7/16	7/8
35286	T55	1 19/32	29/32	2 7/16	7/8
35287	T60	1 19/32	29/32	2 7/16	7/8



35283

32908 5 Piece Torx® Bit Socket Set on Clip Rail

Contents Include:

Product Code	Torx® Size	Product Code	Torx® Size
35283	T40	35286	T55
35284	T45	35287	T60
35285	T50		



32908

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/2" DRIVE SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish, Phillips® and Slotted

Product Code	Size (Inches) / Point Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
Slotted Bits:					
SA-10A-3S	23/64 x .061	1 1/2	29/32	2 9/32	BITHS03
SA-12A-4S	27/64 x .075	1 1/2	29/32	2 1/4	BITHS04
Phillips® Bits:					
SA-10A-3P	#3	1 1/2	29/32	2 1/4	BITPH03-02
SA-12A-4P	#4	1 1/2	29/32	2 1/4	BITPH04-01



SA-10A-3P



SA-10A-3S

WSSSP-4RC 4 Piece Screwdriver Bit Socket Set on Clip Rail

Contents Include:

Product Code	Tip Size	Product Code	Tip Size
SA-10A-3S	23/64 x.061	SA-10A-3P	3
SA-12A-4S	27/64 x.075	SA-12A-4P	4



WSSP-4RC

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.

WARNING



35251



32906

WILLIAMS®

1/2" DRIVE PHILLIPS® SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish

Product Code	Tip Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
Phillips® Bits:					
35251	#2	1 19/32	29/32	2 7/16	7/8
35252	#3	1 19/32	29/32	2 7/16	7/8
35253	#4	1 19/32	29/32	2 7/16	7/8

32906 3 Piece Phillips® Screwdriver Bit Socket Set on Clip Rail
Contents Include:

Product Code	Tip Size
35251	#2
35252	#3
35253	#4

Features
- High-polished chrome finish socket cleans easily.



SB-30

WILLIAMS®

1/2" DRIVE DRAG LINK SOCKETS

High-Polished Chrome Finish

Product Code	Overall Length (Inches)	Tip Thickness (Inches)	Tip Width (Inches)
SB-30	1 5/8	5/32	15/16
SB-40	1 11/16	5/32	1 3/16

Fed. Spec: ANSI B107.1

Features
- Ideal for drag links on trucks and heavy equipment, as well as large screws.

Made in U.S.A.



SB-526

WILLIAMS®

1/2" DRIVE 5 POINT PENTA-SOCKET

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
SB-526	51/64	1 1/4	1 1/8	1 1/8	7/16	1/2	23/32	-

Features
- 5 point Penta-Socket services 5 point nuts found on tamper-resistant Buffalo covers used by gas, electric, and some water companies to protect shutoff gates.

Made in U.S.A.

WILLIAMS®

1/2" DRIVE SOCKET FLEXTENSIONS

Williams Flextension are used extensively in engine and heavy equipment manufacturing, assembly and repair. They increase productivity by featuring an integrated (non-removable) design of the drive extension and socket to allow for reliable, continuous work without concern for the socket disconnecting from the extension as could happen with hand-tool type ball retained sockets.

See pages 313 to 314 for 3/8" Drive Socket Flextensions.



1/2" DRIVE SOCKET FLEXTENSIONS, SAE

Black Industrial Finish

		A			B	C	D	E
Product Code	Drive	Shank Length	Tension	Socket Points	Socket	Socket Length	Socket Diameter	Nose Diameter	Hex Depth
ISSXT312	½"	3.02"/76.7MM	Yes	6	⅜	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSX312	½"	3.02"/76.7MM	No	6	⅜	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSXT412	½"	4.09"/103.9MM	Yes	6	⅜	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSX412	½"	4.09"/103.9MM	No	6	⅜	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSXTD612A	½"	6.57"/166.9MM	Yes	12	⅜	0.81"/20.6MM	0.75"/19.1MM	0.60"/15.2MM	0.41"/10.4MM
ISSX612	½"	6.57"/166.9MM	No	6	⅜	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSXT912	½"	9.57"/243.1MM	Yes	6	⅜	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSX912	½"	9.57"/243.1MM	No	6	⅜	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSXT314	½"	3.02"/76.7MM	Yes	6	7/16	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISSX314	½"	3.02"/76.7MM	No	6	7/16	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISSXT414	½"	4.09"/103.9MM	Yes	6	7/16	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISSX414	½"	4.09"/103.9MM	No	6	7/16	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISSXT614	½"	6.57"/166.9MM	Yes	6	7/16	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISSX614	½"	6.57"/166.9MM	No	6	7/16	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISSXT914	½"	9.57"/243.1MM	Yes	6	7/16	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISSX914	½"	9.57"/243.1MM	No	6	7/16	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.3"/7.6MM
ISSXT316	½"	3.02"/76.7MM	Yes	6	½	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSX316	½"	3.02"/76.7MM	No	6	½	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXT416	½"	4.09"/103.9MM	Yes	6	½	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSX416	½"	4.09"/103.9MM	No	6	½	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXT616	½"	6.57"/166.9MM	Yes	6	½	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSX616	½"	6.57"/166.9MM	No	6	½	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXT916	½"	9.57"/243.1MM	Yes	6	½	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSX916	½"	9.57"/243.1MM	No	6	½	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXT418	½"	4.09"/103.9MM	Yes	6	9/16	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISSX418	½"	4.09"/103.9MM	No	6	9/16	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
SPSXTL618	½"	6.57"/166.9MM	Yes	6	9/16	0.78"/19.8MM	0.90"/22.7MM	0.76"/19.4MM	0.16"/4.1MM
SPSXL618	½"	6.57"/166.9MM	No	6	9/16	0.78"/19.8MM	0.90"/22.7MM	0.76"/19.4MM	0.16"/4.1MM
ISSXT618	½"	6.57"/166.9MM	Yes	6	9/16	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISSX618	½"	6.57"/166.9MM	No	6	9/16	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISSXT918	½"	9.57"/243.1MM	Yes	6	9/16	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISSX918	½"	9.57"/243.1MM	No	6	9/16	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISSXT1218	½"	12.57"/319.3MM	Yes	6	9/16	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISSX1218	½"	12.57"/319.3MM	No	6	9/16	1.06"/26.9MM	0.90"/22.7MM	0.82"/20.8MM	0.44"/11.2MM
ISSXT320	½"	3.02"/76.7MM	Yes	6	⅝	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSX320	½"	3.02"/76.7MM	No	6	⅝	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSXT420	½"	4.09"/103.9MM	Yes	6	⅝	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSX420	½"	4.09"/103.9MM	No	6	⅝	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSXT620	½"	6.57"/166.9MM	Yes	6	⅝	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSX620	½"	6.57"/166.9MM	No	6	⅝	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSX620SOC75	½"	6.57"/166.9MM	No	6	⅝	0.97"/24.7MM	0.90"/22.7MM	0.90"/22.7MM	0.35"/8.9MM
ISSXT920	½"	9.57"/243.1MM	Yes	6	⅝	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSX920	½"	9.57"/243.1MM	No	6	⅝	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSXT324	½"	3.02"/76.7MM	Yes	6	¾	1.25"/31.8MM	1.00"/25.4MM	1.12"/28.4MM	0.56"/14.2MM
ISSX324	½"	3.02"/76.7MM	No	6	¾	1.25"/31.8MM	1.00"/25.4MM	1.12"/28.4MM	0.56"/14.2MM

WARNING

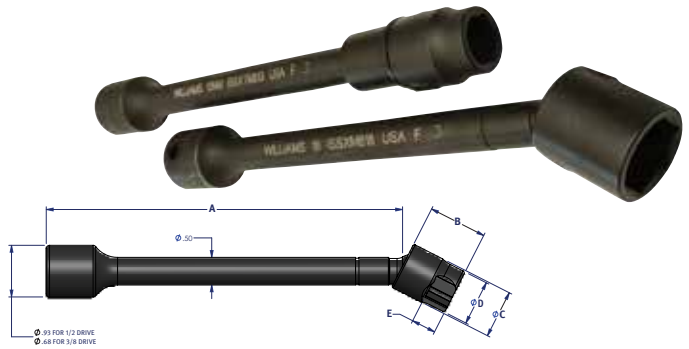
Made in U.S.A.

WILLIAMS®

1/2" DRIVE SOCKET FLEXTENSIONS

Williams Flextension are used extensively in engine and heavy equipment manufacturing, assembly and repair. They increase productivity by featuring an integrated (non-removable) design of the drive extension and socket to allow for reliable, continuous work without concern for the socket disconnecting from the extension as could happen with hand-tool type ball retained sockets.

See pages 313 to 314 for 3/8" Drive Socket Flextensions



1/2" DRIVE SOCKET FLEXTENSIONS, SAE

Black Industrial Finish

		A				B	C	D	E
Product Code	Drive	Shank Length	Tension	Socket Points	Socket	Socket Length	Socket Diameter	Nose Diameter	Hex Depth
ISSXT424	½"	4.09"/103.9MM	Yes	6	¾	1.25"/31.8MM	1.00"/25.4MM	1.12"/28.4MM	0.56"/14.2MM
ISSX424	½"	4.09"/103.9MM	No	6	¾	1.25"/31.8MM	1.00"/25.4MM	1.12"/28.4MM	0.56"/14.2MM
ISSXT624	½"	6.57"/166.9MM	Yes	6	¾	1.25"/31.8MM	1.00"/25.4MM	1.12"/28.4MM	0.56"/14.2MM
ISSX624	½"	6.57"/166.9MM	No	6	¾	1.25"/31.8MM	1.00"/25.4MM	1.12"/28.4MM	0.56"/14.2MM
ISSX624MOD	½"	6.57"/166.9MM	No	6	¾	0.85"/21.6MM	1.00"/25.4MM	1.12"/28.4MM	0.31"/7.9MM
ISDX624LD	½"	6.57"/166.9MM	No	12	¾	0.85"/21.6MM	1.00"/25.4MM	1.00"/25.4MM	0.31"/7.9MM
ISSXT924	½"	9.57"/243.1MM	Yes	6	¾	1.25"/31.8MM	1.00"/25.4MM	1.12"/28.4MM	0.56"/14.2MM
ISSX924	½"	9.57"/243.1MM	No	6	¾	1.25"/31.8MM	1.00"/25.4MM	1.12"/28.4MM	0.56"/14.2MM
ISSXT430	½"	4.09"/103.9MM	Yes	6	15/16	1.31"/33.3MM	1.00"/25.4MM	1.30"/33.0MM	0.62"/15.7MM
ISSX430	½"	4.09"/103.9MM	No	6	15/16	1.31"/33.3MM	1.00"/25.4MM	1.30"/33.0MM	0.62"/15.7MM
ISSXT630	½"	6.57"/166.9MM	Yes	6	15/16	1.31"/33.3MM	1.00"/25.4MM	1.30"/33.0MM	0.62"/15.7MM
ISSX630	½"	6.57"/166.9MM	No	6	15/16	1.31"/33.3MM	1.00"/25.4MM	1.30"/33.0MM	0.62"/15.7MM
ISSXT930	½"	9.57"/243.1MM	Yes	6	15/16	1.31"/33.3MM	1.00"/25.4MM	1.30"/33.0MM	0.62"/15.7MM
ISSX930	½"	9.57"/243.1MM	No	6	15/16	1.31"/33.3MM	1.00"/25.4MM	1.30"/33.0MM	0.62"/15.7MM
ISSXT1230	½"	12.57"/319.3MM	Yes	6	15/16	1.31"/33.3MM	1.00"/25.4MM	1.30"/33.0MM	0.62"/15.7MM
ISSX1230	½"	12.57"/319.3MM	No	6	15/16	1.31"/33.3MM	1.00"/25.4MM	1.30"/33.0MM	0.62"/15.7MM

USA Made in U.S.A.

1/2" DRIVE SOCKET FLEXTENSIONS, METRIC

Black Industrial Finish

		A				B	C	D	E
Product Code	Drive	Shank Length	Tension	Socket Points	Socket (mm)	Socket Length	Socket Diameter	Socket Nose Diameter	Socket Hex Depth
ISSXTM410	½"	4.09"/103.9MM	Yes	6	10	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSXM410	½"	4.09"/103.9MM	No	6	10	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSXTMD610	½"	6.57"/166.9MM	Yes	12	10	1.30"/33.0MM	0.90"/22.7MM	0.59"/15.0MM	0.31"/7.9MM
ISSXM610	½"	6.57"/166.9MM	No	6	10	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSXTM910	½"	9.57"/243.1MM	Yes	6	10	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSXM910	½"	9.57"/243.1MM	No	6	10	1.06"/26.9MM	0.90"/22.7MM	0.63"/16.0MM	0.28"/7.1MM
ISSXTM412	½"	4.09"/103.9MM	Yes	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXM412	½"	4.09"/103.9MM	No	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXTM612	½"	6.57"/166.9MM	Yes	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXM612	½"	6.57"/166.9MM	No	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXTM912	½"	9.57"/243.1MM	Yes	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXM912	½"	9.57"/243.1MM	No	6	12	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXTM413	½"	4.09"/103.9MM	Yes	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXM413	½"	4.09"/103.9MM	No	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXTM613	½"	6.57"/166.9MM	Yes	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXM613	½"	6.57"/166.9MM	No	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM

Features

USA Made in U.S.A.

- Made in the U.S.A.
- Durable black oxide finish.
- Socket retention pin is TIG welded, providing full rotation power to the socket.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Drive end has a 7/32" cross hole & bevel for ease of use.
- Up to 30 degree angle offset.
- Flextensions are designed for use on hand and power tools (Impulse or Direct drive); NOT FOR IMPACT TOOL USE.
- Maximum working torque values: 160 Ft. Lbs. /1920 In. Lbs. /217 Nm
- Other lengths and socket sizes available by special order. Contact your Snap-on Industrial Brands representative..

WILLIAMS®

1/2" DRIVE SOCKET FLEXTENSIONS

Williams Flextension are used extensively in engine and heavy equipment manufacturing, assembly and repair. They increase productivity by featuring an integrated (non-removable) design of the drive extension and socket to allow for reliable, continuous work without concern for the socket disconnecting from the extension as could happen with hand-tool type ball retained sockets.

See pages 313 to 314 for 3/8" Drive Socket Flextensions



1/2" DRIVE SOCKET FLEXTENSION, METRIC

Black Industrial Finish

		A					B	C	D	E
Product Code	Drive	Shank Length	Tension		Socket Points	Socket (mm)	Socket Length	Socket Diameter	Socket Nose Diameter	Socket Hex Depth
ISSXTM913	½"	9.57"/243.1MM	Yes		6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXM913	½"	9.57"/243.1MM		No	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXTM1013	½"	10.57"/268.5MM	Yes		6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSXM1013	½"	10.57"/268.5MM		No	6	13	1.06"/26.9MM	0.90"/22.7MM	0.76"/19.3MM	0.34"/8.6MM
ISSX-TM415	½"	4.09"/103.9MM	Yes		6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISSXM415	½"	4.09"/103.9MM		No	6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISSXTM615	½"	6.57"/166.9MM	Yes		6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISSXM615	½"	6.57"/166.9MM		No	6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISSX-TM915	½"	9.57"/243.1MM	Yes		6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISSXM915	½"	9.57"/243.1MM		No	6	15	1.06"/26.9MM	0.90"/22.7MM	0.88"/22.4MM	0.42"/10.7MM
ISSXTM416	½"	4.09"/103.9MM	Yes		6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISSXM416	½"	4.09"/103.9MM		No	6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISSXMD416	½"	4.09"/103.9MM		No	12	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSXTM616	½"	6.57"/166.9MM	Yes		6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISSXM616	½"	6.57"/166.9MM		No	6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
SPSXMD616	½"	6.57"/166.9MM		No	12	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.44"/11.2MM
ISSXTM916	½"	9.57"/243.1MM	Yes		6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISSXM916	½"	9.57"/243.1MM		No	6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISSXTM1016	½"	10.57"/268.5MM	Yes		6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISSXM1016	½"	10.57"/268.5MM		No	6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISSXTM1216	½"	12.57"/319.3MM	Yes		6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISSXM1216	½"	12.57"/319.3MM		No	6	16	1.06"/26.9MM	0.90"/22.7MM	0.90"/22.7MM	0.45"/11.4MM
ISSXTM418	½"	4.09"/103.9MM	Yes		6	18	1.06"/26.9MM	1.00"/25.4MM	1.00"/25.4MM	0.45"/11.4MM
ISSXM418	½"	4.09"/103.9MM		No	6	18	1.06"/26.9MM	1.00"/25.4MM	1.00"/25.4MM	0.45"/11.4MM
SPSXMD418	½"	4.09"/103.9MM		No	12	18	0.88"/22.4MM	1.00"/25.4MM	1.00"/25.4MM	0.30"/7.6MM
ISSXTM618	½"	6.57"/166.9MM	Yes		6	18	1.06"/26.9MM	1.00"/25.4MM	1.00"/25.4MM	0.45"/11.4MM
ISSXM618	½"	6.57"/166.9MM		No	6	18	1.06"/26.9MM	1.00"/25.4MM	1.00"/25.4MM	0.45"/11.4MM
SPSXMD618	½"	6.57"/166.9MM		No	12	18	0.88"/22.4MM	1.00"/25.4MM	1.00"/25.4MM	0.30"/7.6MM
ISSXTM918	½"	9.57"/243.1MM	Yes		6	18	1.06"/26.9MM	1.00"/25.4MM	1.00"/25.4MM	0.45"/11.4MM
ISSXM918	½"	9.57"/243.1MM		No	6	18	1.06"/26.9MM	1.00"/25.4MM	1.00"/25.4MM	0.45"/11.4MM
ISSXTM1018	½"	10.57"/268.5MM	Yes		6	18	1.06"/26.9MM	1.00"/25.4MM	1.00"/25.4MM	0.45"/11.4MM
ISSXM1018	½"	10.57"/268.5MM		No	6	18	1.06"/26.9MM	1.00"/25.4MM	1.00"/25.4MM	0.45"/11.4MM

Features

Made in U.S.A.

- Made in the U.S.A.
- Durable black oxide finish.
- Socket retention pin is TIG welded, providing full rotation power to the socket.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Drive end has a 7/32" cross hole & bevel for ease of use.
- Up to 30 degree angle offset.
- Flextensions are designed for use on hand and power tools (Impulse or Direct drive); NOT FOR IMPACT TOOL USE.
- Maximum working torque values: 160 Ft. Lbs. /1920 In. Lbs. /217 Nm
- Other lengths and socket sizes available by special order. Contact your Snap-on Industrial Brands representative.

⚠WARNING





WILLIAMS®

1/2" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Socket Retention
4-102	Impact Extension	3 1/2	Lock Ring
4-105A	Impact Extension	5	Spring Plunger
4-110A	Impact Extension	10	Spring Plunger
4-140B	Impact Universal Joint	2 1/2	Spring Plunger
4-2F	3/8" M x 1/2" F Adapter	2 1/4	Spring Plunger
4-6	3/4" M x 1/2" F Adapter	1 1/4	Through Hole

Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Spring plunger provides secure socket retention for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.



WILLIAMS®

1/2" DRIVE HEX TO SQUARE SHANK IMPACT EXTENSIONS

Black Industrial Finish

Product Code	Hex Shank Size (Inches)	Square Drive Size (Inches)	Length (Inches)
4-33B	7/16	1/2	2 3/4
4-35B	7/16	1/2	5
4-53B	5/8	1/2	2 3/4

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Spring plunger provides secure socket retention for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.



WILLIAMS®

1/2" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Socket Retention
37002	Impact Extension	3	Ball
37003	Impact Extension	6	Ball
37004	Impact Extension	10	Ball
37001	Impact Universal Joint	2 9/16	Ball
37005	1/2" F x 3/8" M Adapter	1 7/8	Ball

Fed. Spec: ANSI B107.2

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Ball socket retention for fast socket changes.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.

WILLIAMS®

1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
4-612	3/8	1 1/2	29/32	19/32	1/4	7/8	11/32	11/16
4-614	7/16	1 1/2	29/32	23/32	5/16	7/8	13/32	11/16
4-616	1/2	1 1/2	29/32	13/16	13/32	7/8	15/32	11/16
4-618	9/16	1 1/2	29/32	7/8	13/32	7/8	15/32	11/16
4-620	5/8	1 1/2	31/32	31/32	15/32	7/8	1/2	-
4-622	11/16	1 1/2	1 1/16	1 1/16	13/16	27/32	5/8	-
4-624	3/4	1 1/2	1 1/8	1 1/8	13/16	27/32	11/16	-
4-626	13/16	1 1/2	1 1/4	1 1/4	13/16	13/16	25/32	-
4-628	7/8	1 1/2	1 5/16	1 5/16	13/16	13/16	7/8	-
4-630	15/16	1 3/4	1 3/8	1 3/8	1 1/32	1 1/16	15/16	-
4-632	1	1 3/4	1 7/16	1 7/16	1 1/32	1 1/16	1	-
4-634	1 1/16	2	1 9/16	1 9/16	1 1/4	1 9/32	1 1/32	-
4-636	1 1/8	2	1 5/8	1 5/8	1 1/4	1 9/32	1 1/8	-
4-638	1 3/16	2	1 11/16	1 11/16	1 1/4	1 9/32	1 5/32	-
4-640	1 1/4	2	1 3/4	1 3/4	13/16	1 9/32	1 7/32	-
4-642	1 5/16	2	1 1/2	1 7/8	7/8	1 3/8	1 1/16	-
4-644	1 3/8	2	1 1/2	1 15/16	7/8	1 3/8	1 1/16	-
4-646	1 7/16	2	1 1/2	2	29/32	1 3/8	1 1/16	-
4-648	1 1/2	2	1 9/16	2 1/8	29/32	1 3/8	1 1/16	-

Fed. Spec: ANSI B107.2

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



4-612, 4-624

WS-4-7RC 7 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
4-614	7/16	4-622	11/16
4-616	1/2	4-624	3/4
4-618	9/16	4-626	13/16
4-620	5/8		



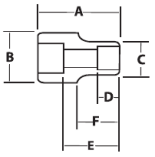
WS-4-7RC

WS-4-11RC 11 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
4-616	1/2	4-624	3/4	4-632	1
4-618	9/16	4-626	13/16	4-634	1 1/16
4-620	5/8	4-628	7/8	4-636	1 1/8
4-622	11/16	4-630	15/16		



WS-4-11RC



WS-4-14 14 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
4-612	3/8	4-622	11/16	4-632	1
4-614	7/16	4-624	3/4	4-634	1 1/16
4-616	1/2	4-626	13/16	4-636	1 1/8
4-618	9/16	4-628	7/8	4-640	1 1/4
4-620	5/8	4-630	15/16		



WS-4-14

WS-4-19RC 19 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
4-612	3/8	4-622	11/16	4-632	1	4-642	1 5/16
4-614	7/16	4-624	3/4	4-634	1 1/16	4-644	1 3/8
4-616	1/2	4-626	13/16	4-636	1 1/8	4-646	1 7/16
4-618	9/16	4-628	7/8	4-638	1 3/16	4-648	1 1/2
4-620	5/8	4-630	15/16	4-640	1 1/4		



WS-4-19RC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

Made in U.S.A.

WARNING

WILLIAMS

1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE



37112, 37124

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

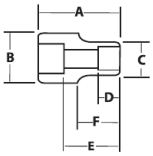
Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37902



37904





37905

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
37112	3/8	1 1/2	15/16	5/8	9/16	7/8	5/16	3/4
37114	7/16	1 1/2	15/16	23/32	9/16	13/16	13/32	3/4
37116	1/2	1 1/2	15/16	13/16	9/16	21/32	15/32	3/4
37118	9/16	1 1/2	15/16	7/8	9/16	27/32	17/32	3/4
37120	5/8	1 1/2	1	31/32	1/2	29/32	9/16	3/4
37122	11/16	1 1/2	1 1/8	1 1/32	17/32	29/32	21/32	3/4
37124	3/4	1 1/2	1 1/8	1 1/8	3/4	29/32		-
37126	13/16	1 1/2	1 3/16	1 3/16	3/4	29/32		-
37128	7/8	1 1/2	1 1/4	1 1/4	3/4	15/16		-
37130	15/16	1 3/4	1 3/8	1 3/8	1	17/32		-
37132	1	1 3/4	1 1/2	1 1/2	1	1 7/32		-
37134	1 1/16	1 3/4	1 17/32	1 17/32	1	1 7/32		-
37136	1 1/8	1 3/4	1 5/8	1 5/8	1	1 3/16		-
37138	1 3/16	1 3/4	1 5/8	1 5/8	1	1 3/16		-
37140	1 1/4	1 3/4	1 3/4	1 3/4	1	1 5/32		-
37142	1 5/16	1 3/4	1 7/8	1 7/8	31/32	31/32	1 7/32	-
37144	1 3/8	2	1 57/64	1 57/64	1 1/16	1 1/16	1 19/64	-
37146	1 7/16	2	1 31/32	1 31/32	1 1/16	1 1/16	1 11/32	-
37148	1 1/2	2	2 1/8	2 1/8	1 1/16	1 1/16	1 3/8	-

Fed. Spec: ANSI B107.2

37902 9 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37116	1/2	37122	11/16	37128	7/8
37118	9/16	37124	3/4	37130	15/16
37120	5/8	37126	13/16	37132	1

37904 14 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37112	3/8	37122	11/16	37132	1
37114	7/16	37124	3/4	37134	1 1/16
37116	1/2	37126	13/16	37136	1 1/8
37118	9/16	37128	7/8	37140	1 1/4
37120	5/8	37130	15/16		

37905 19 piece 1/2" Drive Impact Shallow 6 Point Socket Set on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37112	3/8	37122	11/16	37132	1	37142	1 5/16
37114	7/16	37124	3/4	37134	1 1/16	37144	1 3/8
37116	1/2	37126	13/16	37136	1 1/8	37146	1 7/16
37118	9/16	37128	7/8	37138	1 3/16	37148	1 1/2
37120	5/8	37130	15/16	37140	1 1/4		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

1/2" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
35512	3/8	1 1/2	7/8	5/8	3/8	/	1/4	5/8
35514	7/16	1 1/2	7/8	3/4	3/8	/	1/4	5/8
35516	1/2	1 1/2	7/8	3/4	3/8	/	1/4	5/8
35518	9/16	1 1/2	1	7/8	3/8	/	1/2	5/8
35520	5/8	1 1/2	1	1	1/2	/	1/2	/
35522	11/16	1 1/2	1	1	1/2	/	1/2	/
35524	3/4	1 1/2	1	1	1/2	/	5/8	/
35526	13/16	1 1/2	1 1/8	1 1/8	1/2	/	3/4	/
35528	7/8	1 1/2	1 1/4	1 1/4	1/2	/	3/4	/
35530	15/16	1 1/2	1 1/4	1 1/4	1/2	/	7/8	/
35532	1	1 1/2	1 1/4	1 1/2	1/2	/	7/8	/
35534	1 1/16	1 9/16	1 1/2	1 1/2	5/8	/	1	/
35536	1 1/8	1 9/16	1 1/2	1 1/2	3/4	/	1	9/16
35538	1 3/16	1 9/16	1 1/2	1 5/8	3/4	/	1	9/16
35540	1 1/4	1 9/16	1 1/2	1 3/4	3/4	/	1 1/8	9/16
35542	1 5/16	1 5/8	1 1/2	1 3/4	7/8	/	1 1/8	9/16
35544	1 3/8	1 5/8	1 1/2	1 7/8	7/8	/	1 1/4	9/16
35546	1 7/16	1 5/8	1 1/2	2	7/8	/	1 1/4	9/16
35548	1 1/2	1 5/8	1 1/2	2	1	/	1 3/8	9/16

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



35512

37923 11 piece 1/2" Drive Impact Shallow 12 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35512	3/8	35520	5/8	35528	7/8
35514	7/16	35522	11/16	35530	15/16
35516	1/2	35524	3/4	35532	1
35518	9/16	35526	13/16		


37923

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 and 12 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove

WILLIAMS®

1/2" DRIVE UNIVERSAL IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
37216	1/2	2 3/4	1	3/4	3/8	9/16	7/16	1
37218	9/16	2 3/4	1	3/4	3/8	9/16	7/16	1
37220	5/8	2 3/4	1	3/4	3/8	9/16	9/16	1
37222	11/16	2 3/4	1 1/4	1	1/2	11/16	11/16	1 1/4
37224	3/4	2 3/4	1 1/4	1	1/2	11/16	11/16	1 1/4
37226	13/16	3	1 1/4	1 1/4	5/8	13/16	13/16	1 1/2
37228	7/8	3	1 1/4	1 1/4	5/8	13/16	13/16	1 1/2

Fed. Spec: ANSI B107.2

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37224

37918 7 Piece 1/2" Drive Universal 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37216	1/2	37222	11/16	37228	7/8
37218	9/16	37224	3/4		
37220	5/8	37226	13/16		


37918

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove

WARNING

WILLIAMS

1/2" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish



14-612 14-624

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
14-612	3/8	3 1/4	29/32	19/32	5/16	2 5/8	11/32	2 15/32
14-614	7/16	3 1/4	29/32	23/32	11/32	2 5/8	13/32	2 15/32
14-616	1/2	3 1/4	29/32	13/16	13/32	2 5/8	15/32	2 15/32
14-618	9/16	3 1/4	29/32	7/8	13/32	2 5/8	15/32	2 15/32
14-620	5/8	3 1/4	31/32	31/32	15/32	2 7/16	5/8	-
14-622	11/16	3 1/4	1 1/16	1 1/16	1/2	2	5/8	-
14-624	3/4	3 1/4	1 1/8	1 1/8	9/16	2	11/16	-
14-626	13/16	3 1/4	1 1/4	1 1/4	5/8	2	25/32	-
14-628	7/8	3 1/2	1 5/16	1 5/16	9/16	2 1/4	7/8	-
14-630	15/16	3 1/2	1 3/8	1 3/8	3/4	2 1/4	15/16	-
14-632	1	3 1/2	1 7/16	1 7/16	3/4	2 1/4	1	-
14-634	1 1/16	3 1/2	1 9/16	1 9/16	25/32	2 1/4	1 1/32	-
14-636	1 1/8	3 1/2	1 5/8	1 5/8	13/16	2 1/4	1 1/8	-
14-638	1 3/16	3 1/2	1 11/16	1 11/16	13/16	2 1/4	1 3/16	-
14-640	1 1/4	3 1/2	1 3/4	1 3/4	1	2 21/32	1 1/4	-
14-642	1 5/16	3 1/2	1 1/2	1 7/8	15/16	2 7/8	1 1/16	-
14-644	1 3/8	3 1/2	1 1/2	2	29/32	2 7/8	1 1/16	-
14-646	1 7/16	3 1/2	1 1/2	2	29/32	2 7/8	1 1/16	-
14-648	1 1/2	3 1/2	1 9/16	2 1/8	29/32	2 7/8	1 1/16	-

Fed. Spec: ANSI B107.2



WS-14-11

WS-14-11 11 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
14-612	3/8	14-620	5/8	14-628	7/8
14-614	7/16	14-622	11/16	14-630	15/16
14-616	1/2	14-624	3/4	14-632	1
14-618	9/16	14-626	13/16		



WS-14-14RC

WS-14-14RC 14 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
14-612	3/8	14-622	11/16	14-632	1
14-614	7/16	14-624	3/4	14-634	1 1/16
14-616	1/2	14-626	13/16	14-636	1 1/8
14-618	9/16	14-628	7/8	14-640	1 1/4
14-620	5/8	14-630	15/16		



WS-14-19RC

WS-14-19RC 19 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
14-612	3/8	14-622	11/16	14-632	1	14-642	1 5/16
14-614	7/16	14-624	3/4	14-634	1 1/16	14-644	1 3/8
14-616	1/2	14-626	13/16	14-636	1 1/8	14-646	1 7/16
14-618	9/16	14-628	7/8	14-638	1 3/16	14-648	1 1/2
14-620	5/8	14-630	15/16	14-640	1 1/4		

Features

Made in U.S.A.

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

1/2" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
37312	3/8	3 1/4	15/16	5/8	1 3/32	2 1/4	11/32	3/4
37314	7/16	3 1/4	15/16	11/16	1	2 3/8	13/32	3/4
37316	1/2	3 1/4	15/16	25/32	1 3/32	2 3/8	7/16	3/4
37318	9/16	3 1/4	15/16	7/8	1 5/32	2 11/32	1/2	3/4
37320	5/8	3 1/4	1	31/32	1 5/16	2 7/16	9/16	3/4
37322	11/16	3 1/4	1 1/8	1	1 3/8	2 17/32	21/32	3/4
37324	3/4	3 1/4	1 1/8	1 1/8	1 5/16	2 9/16	23/32	-
37326	13/16	3 1/4	1 3/16	1 3/16	1 1/2	2 11/32	3/4	-
37328	7/8	3 1/2	1 1/4	1 1/4	1 15/32	2 21/32	27/32	-
37330	15/16	3 1/2	1 3/8	1 3/8	1 13/32	2 19/32	29/32	-
37332	1	3 1/2	1 1/2	1 1/2	1 15/32	2 5/8	15/16	-
37334	1 1/16	3 1/2	1 17/32	1 17/32	1 29/32	2 17/32	1 1/32	-
37336	1 1/8	3 1/2	1 5/8	1 5/8	1 7/16	2 7/16	1 1/16	-
37338	1 3/16	3 1/2	1 21/32	1 21/32	1 13/32	2 27/32	1 1/16	-
37340	1 1/4	3 1/2	1 3/4	1 3/4	1 7/16	2 3/4	1 1/16	-
37342	1 5/16	3 1/2	1 7/8	1 7/8	1 3/8	2 43/64	1 7/32	
37344	1 3/8	3 1/2	1 57/64	1 57/64	1 3/8	2 43/64	1 19/64	
37346	1 7/16	3 1/2	1 31/32	1 31/32	1 3/8	2 43/64	1 11/32	
37348	1 1/2	3 1/2	2 1/8	2 1/8	1 3/8	2 43/64	1 3/8	-

Fed. Spec: ANSI B107.2



37324 37312

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

37906 9 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37316	1/2	37322	11/16	37328	7/8
37318	9/16	37324	3/4	37330	15/16
37320	5/8	37326	13/16	37332	1


37906

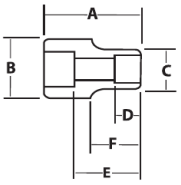
37908 15 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37312	3/8	37320	5/8	37328	7/8	37336	1 1/8
37314	7/16	37322	11/16	37330	15/16	37338	1 3/16
37316	1/2	37324	3/4	37332	1	37340	1 1/4
37318	9/16	37326	13/16	37334	1 1/16		


37908

37909 19 piece 1/2" Drive Impact Deep 6 Point Socket Set on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37312	3/8	37322	11/16	37332	1	37342	1 5/16
37314	7/16	37322	3/4	37334	1 1/16	37344	1 3/8
37316	1/2	37326	13/16	37336	1 1/8	37346	1 7/16
37318	9/16	37328	7/8	37338	1 3/16	37348	1 1/2
37320	5/8	37330	15/16	37340	1 1/4		



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.


37909

WARNING



37424 37412

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS

12 F

1/2" DRIVE DEEP IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
37412	3/8	3 1/4	7/8	7/8	9/16	/	3/8	2
37414	7/16	3 1/4	7/8	3/4	9/16	/	3/8	2
37416	1/2	3 1/4	7/8	13/16	9/16	/	3/8	2
37418	9/16	3 1/4	15/16	7/8	5/8	/	1/2	2
37420	5/8	3 1/4	1	1	5/8	/	1/2	/
37422	11/16	3 1/4	1	1	3/4	/	9/16	/
37424	3/4	3 1/4	1	1	3/4	/	5/8	/
37426	13/16	3 1/4	1 1/8	1 1/8	1	/	3/4	/
37428	7/8	3 1/4	1 1/4	1 1/4	1	/	3/4	/
37430	15/16	3 1/4	1 1/4	1 1/4	1	/	7/8	/
37432	1	3 1/4	1 1/2	1 1/2	1	/	7/8	/
37434	1 1/16	3 1/4	1 1/2	1 1/2	1	/	1	/
37436	1 1/8	3 1/4	1 1/2	1 1/2	1	/	1	9/16
37438	1 3/16	3 1/4	1 1/2	1 5/8	1	/	1	9/16
37440	1 1/4	3 1/4	1 1/2	1 3/4	1	/	1 1/8	9/16
37442	1 5/16	3 1/2	1 1/2	1 13/16	1 3/8	/	1 1/8	9/16
37444	1 3/8	3 1/2	1 1/2	1 7/8	1 3/8	/	1 1/4	9/16
37446	1 7/16	3 1/2	1 1/2	2	1 3/8	/	1 1/4	9/16
37448	1 1/2	3 1/2	1 1/2	2	1 3/8	/	1 3/8	9/16



37924

37924 11 Piece 1/2" Drive Impact Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37412	3/8	37418	9/16	37426	13/16
37414	7/16	37420	5/8	37428	7/8
37416	1/2	37422	11/16	37430	15/16
		37424	3/4	37432	1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 and 12 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove



37819

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS

6 M

1/2" DRIVE UNIVERSAL IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
37813	13	2 3/4	1	3/4	3/8	1/2	1/2	1
37814	14	2 3/4	1	3/4	3/8	1/2	1/2	1
37815	15	2 3/4	1	1	3/8	1/2	1/2	1
37816	16	2 3/4	1	1	3/8	1/2	1/2	1
37817	17	2 3/4	1 1/4	1	1/2	3/4	3/4	1 1/4
37818	18	2 3/4	1 1/4	1	1/2	3/4	3/4	1 1/4
37819	19	2 3/4	1 1/4	1	1/2	3/4	3/4	1 1/4
37820	20	3	1 1/4	1 1/4	5/8	3/4	3/4	1 1/2
37821	21	3	1 1/4	1 1/4	5/8	3/4	3/4	1 1/2
37822	22	3	1 1/4	1 1/4	5/8	3/4	3/4	1 1/2
37823	23	3	1 1/4	1 1/4	5/8	3/4	3/4	1 1/2



37916

37916 11 Piece 1/2" Drive Universal 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37813	13	37817	17	37821	21
37814	14	37818	18	37822	22
37815	15	37819	19	37823	23
37816	16	37820	20		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove

WILLIAMS®

1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
4M-610	10	1 1/2	29/32	19/32	1/4	7/8	11/32	23/32
4M-611	11	1 1/2	29/32	23/32	5/16	7/8	13/32	23/32
4M-612	12	1 1/2	29/32	25/32	3/8	7/8	7/16	23/32
4M-613	13	1 1/2	29/32	27/32	13/32	7/8	15/32	23/32
4M-614	14	1 1/2	29/32	7/8	7/16	7/8	15/32	23/32
4M-615	15	1 1/2	15/16	15/16	7/16	7/8	15/32	-
4M-616	16	1 1/2	31/32	31/32	15/32	7/8	15/32	-
4M-617	17	1 1/2	1	1	1/2	7/8	15/32	-
4M-618	18	1 1/2	1 1/16	1 1/16	27/32	27/32	21/32	-
4M-619	19	1 1/2	1 1/8	1 1/8	13/16	27/32	11/16	-
4M-620	20	1 1/2	1 3/16	1 3/16	13/16	27/32	23/32	-
4M-621	21	1 1/2	1 1/4	1 1/4	13/16	27/32	3/4	-
4M-622	22	1 1/2	1 5/16	1 5/16	13/16	27/32	13/16	-
4M-623	23	1 3/4	1 5/32	1 5/32	1 1/32	1 3/32	27/32	-
4M-624	24	1 3/4	1 3/8	1 3/8	1 1/16	1 3/32	7/8	-
4M-625	25	1 3/4	1 7/16	1 7/16	1 1/16	1 3/32	29/32	-
4M-626	26	1 31/32	1 1/2	1 1/2	1 1/4	1 9/32	31/32	-
4M-627	27	1 31/32	1 9/16	1 9/16	1 1/4	1 9/32	1	-
4M-629	29	1 31/32	1 21/32	1 21/32	1 1/4	1 9/32	1 1/16	-
4M-630	30	1 31/32	1 11/16	1 11/16	1 1/4	1 9/32	1 3/32	-
4M-632	32	2	1 13/16	1 13/16	7/8	1 9/32	1 1/8	-
4M-634	34	2 1/16	1 11/16	1 7/8	29/32	1 7/16	1 11/32	-
4M-636	36	2 1/4	1 13/16	2	29/32	1 5/8	1 7/16	-

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



4M-621

4M-610

MS-4-10HRC 10 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
4M-610	10	4M-614	14	4M-618	18
4M-611	11	4M-615	15	4M-619	19
4M-612	12	4M-616	16		
4M-613	13	4M-617	17		



MS-4-10HRC

MS-4-12HRC 12 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
4M-613	13	4M-617	17	4M-622	22
4M-614	14	4M-618	18	4M-624	24
4M-615	15	4M-619	19	4M-627	27
4M-616	16	4M-621	21	4M-630	30



MS-4-12HRC

MS-4-16RC 16 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
4M-610	10	4M-614	14	4M-618	18	4M-622	22
4M-611	11	4M-615	15	4M-619	19	4M-623	23
4M-612	12	4M-616	16	4M-620	20	4M-624	24
4M-613	13	4M-617	17	4M-621	21	4M-627	27



MS-4-16RC

MS-4-23RC 23 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
4M-610	10	4M-616	16	4M-622	22	4M-629	29
4M-611	11	4M-617	17	4M-623	23	4M-630	30
4M-612	12	4M-618	18	4M-624	24	4M-632	32
4M-613	13	4M-619	19	4M-625	25	4M-634	34
4M-614	14	4M-620	20	4M-626	26	4M-636	36
4M-615	15	4M-621	21	4M-627	27		



MS-4-23RC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

USA Made in U.S.A.

WARNING

WILLIAMS

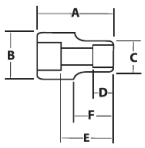
1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37521 37510



Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
37510	10	1 1/2	1	5/8	9/16	7/8	3/8	23/32
37511	11	1 1/2	1	11/16	9/16	7/8	13/32	23/32
37512	12	1 1/2	1	3/4	9/16	7/8	7/16	23/32
37513	13	1 1/2	1	13/16	17/32	7/8	15/32	23/32
37514	14	1 1/2	1	7/8	17/32	7/8	17/32	23/32
37515	15	1 1/2	1 3/16	15/16	17/32	29/32	9/16	3/4
37516	16	1 1/2	1 3/16	1	17/32	7/8	19/32	3/4
37517	17	1 1/2	1 3/16	1 1/32	17/32	7/8	21/32	3/4
37518	18	1 1/2	1 3/16	1 3/32	13/16	7/8	21/32	3/4
37519	19	1 1/2	1 3/16	1 1/8	3/4	29/32	11/16	3/4
37520	20	1 1/2	1 3/16	1 3/16	45/64	45/64	3/4	-
37521	21	1 1/2	1 3/16	1 3/16	25/32	15/16	3/4	-
37522	22	1 1/2	1 1/4	1 1/4	25/32	1 1/16	13/16	-
37523	23	1 3/4	1 19/64	1 19/64	27/32	27/32	55/64	-
37524	24	1 3/4	1 3/8	1 3/8	1	1 3/16	7/8	-
37525	25	1 3/4	1 15/32	1 15/32	31/32	31/32	15/16	-
37526	26	1 3/4	1 1/2	1 1/2	31/32	31/32	63/64	-
37527	27	1 3/4	1 17/32	1 17/32	1	1 7/32	1	-
37529	29	1 3/4	1 39/64	1 39/64	31/32	31/32	1 1/16	
37530	30	1 3/4	1 21/32	1 21/32	31/32	31/32	1 1/16	
37532	32	1 3/4	1 47/64	1 47/64	31/32	31/32	1 3/16	
37534	34	1 3/4	1 7/8	1 7/8	31/32	31/32	1 19/64	
37536	36	1 31/32	1 31/32	1 31/32	1 1/16	1 1/16	1 3/8	



37910

37910 10 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37510	10	37514	14	37518	18
37511	11	37515	15	37519	19
37512	12	37516	16		
37513	13	37517	17		



37912

37912 14 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37510	10	37514	14	37518	18	37524	24
37511	11	37515	15	37519	19	37527	27
37512	12	37516	16	37521	21		
37513	13	37517	17	37522	22		



37915

37915 23 piece 1/2" Drive Impact Shallow 6 Point, MM Socket Set on Clip Rails
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37510	10	37515	15	37521	21	37527	27
37511	11	37516	16	37522	22	37529	29
37512	12	37517	17	37523	23	37530	30
37513	13	37518	18	37524	24	37532	32
37514	14	37519	19	37525	25	37534	34
		37520	20	37526	26	37536	36

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

1/2" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT,MM

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
37610	10	1 1/2	7/8	5/8	3/8	/	3/8	5/8
37611	11	1 1/2	7/8	3/4	3/8	/	3/8	5/8
37612	12	1 1/2	7/8	3/4	3/8	/	3/8	5/8
37613	13	1 1/2	15/16	13/16	3/8	/	3/8	5/8
37614	14	1 1/2	15/16	7/8	3/8	/	1/2	5/8
37615	15	1 1/2	1	7/8	1/2	/	1/2	5/8
37616	16	1 1/2	1	1	1/2	/	1/2	/
37617	17	1 1/2	1	1	1/2	/	9/16	/
37618	18	1 1/2	1	1	1/2	/	5/8	/
37619	19	1 1/2	1 1/8	1 1/8	1/2	/	5/8	/
37620	20	1 1/2	1 1/8	1 1/8	1/2	/	3/4	/
37621	21	1 1/2	1 1/4	1 1/4	9/16	/	3/4	/
37622	22	1 1/2	1 1/4	1 1/4	9/16	/	13/16	/
37623	23	1 5/8	1 1/4	1 1/4	5/8	/	13/16	/
37624	24	1 5/8	1 1/2	1 3/8	5/8	/	7/8	/
37625	25	1 5/8	1 1/2	1 3/8	5/8	/	7/8	/
37626	26	1 5/8	1 1/2	1 1/2	5/8	/	15/16	/
37627	27	1 13/16	1 1/2	1 1/2	3/4	/	15/16	9/16
37628	28	1 13/16	1 1/2	1 1/2	3/4	/	1	9/16
37629	29	1 13/16	1 1/2	1 5/8	3/4	/	1	9/16
37630	30	1 13/16	1 1/2	1 5/8	3/4	/	1	9/16
37632	32	1 13/16	1 1/2	1 3/4	13/16	/	1 1/8	9/16
37633	33	1 13/16	1 1/2	1 13/16	7/8	/	1 1/8	9/16
37634	34	1 13/16	1 1/2	1 13/16	7/8	/	1 1/4	9/16
37635	35	2	1 1/2	2	7/8	/	1 1/4	9/16
37636	36	2	1 1/2	2	7/8	/	1 1/4	9/16

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37624 37610

37925 10 piece 1/2" Drive Impact Shallow 12 Point, MM Socket Set on Clip Rails Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37610	10	37613	13	37616	16
37611	11	37614	14	37617	17
37612	12	37615	15	37618	18
				37619	19

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



37925

WARNING

WILLIAMS

1/2" DRIVE DEEP IMPACT SOCKETS, 6 POINT, METRIC

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



14M-621 14M-610

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
14M-610	10	3 1/4	29/32	19/32	9/32	2 9/16	11/32	2 15/32
14M-611	11	3 1/4	29/32	23/32	21/64	2 9/16	13/32	2 15/32
14M-612	12	3 1/4	29/32	49/64	23/64	2 9/16	7/16	2 15/32
14M-613	13	3 1/4	29/32	53/64	25/64	2 9/16	15/32	2 15/32
14M-614	14	3 1/4	29/32	7/8	13/32	2 9/16	15/32	2 15/32
14M-615	15	3 1/4	15/16	15/16	13/32	2 7/64	33/64	-
14M-616	16	3 1/4	31/32	31/32	29/64	1 31/32	17/32	-
14M-617	17	3 1/4	1	1	27/64	1 31/32	39/64	-
14M-618	18	3 1/4	1 1/16	1 1/16	1/2	1 31/32	21/32	-
14M-619	19	3 1/4	1 1/4	1 1/4	35/64	1 61/64	11/16	-
14M-620	20	3 1/4	1 3/16	1 3/16	35/64	1 61/64	23/32	-
14M-621	21	3 1/4	1 1/4	1 1/4	35/64	1 61/64	3/4	-
14M-622	22	3 1/2	1 5/16	1 5/16	35/64	2 7/64	51/64	-
14M-623	23	3 1/2	1 11/32	1 11/32	5/8	2 7/64	53/64	-
14M-624	24	3 1/2	1 3/8	1 3/8	5/8	2 7/64	7/8	-
14M-625	25	3 1/2	1 7/16	1 7/16	5/8	2 7/64	29/32	-
14M-626	26	3 1/2	1 31/64	1 31/64	5/8	2 7/64	15/16	-
14M-627	27	3 1/2	1 9/16	1 9/16	25/32	2 7/64	31/32	-
14M-629	29	3 1/2	1 5/8	1 5/8	13/16	2 7/64	1 1/16	-
14M-630	30	3 1/2	1 11/16	1 11/16	53/64	2 21/32	1 3/32	-
14M-632	32	3 1/2	1 13/16	1 13/16	7/8	2 21/32	1 1/4	-
14M-634	34	3 1/2	1 3/4	1 15/16	57/64	2 55/64	1 21/64	-
14M-635	35	3 1/2	1 3/4	2	57/64	2 55/64	1 23/64	-
14M-636	36	3 1/2	1 3/4	2	57/64	2 13/16	1 1/8	-

MS-14-10HRC 10 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
14M-610	10	14M-614	14	14M-618	18
14M-611	11	14M-615	15	14M-619	19
14M-612	12	14M-616	16		
14M-613	13	14M-617	17		



MS-14-10HRC

MS-14-16RC 16 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
14M-610	10	14M-614	14	14M-618	18	14M-622	22
14M-611	11	14M-615	15	14M-619	19	14M-623	23
14M-612	12	14M-616	16	14M-620	20	14M-624	24
14M-613	13	14M-617	17	14M-621	21	14M-627	27



MS-14-16RC

MS-14-24RC 24 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
14M-610	10	14M-616	16	14M-622	22	14M-629	29
14M-611	11	14M-617	17	14M-623	23	14M-630	30
14M-612	12	14M-618	18	14M-624	24	14M-632	32
14M-613	13	14M-619	19	14M-625	25	14M-634	34
14M-614	14	14M-620	20	14M-626	26	14M-635	35
14M-615	15	14M-621	21	14M-627	27	14M-636	36

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

Made in U.S.A.



MS-14-24RC

WILLIAMS®

1/2" DRIVE DEEP IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
37710	10	3 1/4	29/32	19/32	9/32	2 9/16	11/32	2 15/32
37711	11	3 1/4	29/32	23/32	21/64	2 9/16	13/32	2 15/32
37712	12	3 1/4	29/32	49/64	23/64	2 9/16	7/16	2 15/32
37713	13	3 1/4	29/32	53/64	25/64	2 9/16	15/32	2 15/32
37714	14	3 1/4	29/32	7/8	13/32	2 9/16	15/32	2 15/32
37715	15	3 1/4	15/16	15/16	13/32	2 7/64	33/64	-
37716	16	3 1/4	31/32	31/32	29/64	1 31/32	17/32	-
37717	17	3 1/4	1	1	27/64	1 31/32	39/64	-
37718	18	3 1/4	1 1/16	1 1/16	1/2	1 31/32	21/32	-
37719	19	3 1/4	1 1/4	1 1/4	35/64	1 61/64	11/16	-
37720	20	3 1/4	1 3/16	1 3/16	1 3/8	2 23/64	3/4	
37721	21	3 1/4	1 1/4	1 1/4	35/64	1 61/64	3/4	-
37722	22	3 1/2	1 5/16	1 5/16	35/64	2 7/64	51/64	-
37723	23	3 1/2	1 19/64	1 19/64	1 3/8	2 9/19	55/64	
37724	24	3 1/2	1 3/8	1 3/8	5/8	2 7/64	7/8	-
37725	25	3 1/2	1 15/32	1 15/32	1 3/8	2 9/19	15/16	-
37726	26	3 1/2	1 1/2	1 1/2	1 3/8	2 9/19	63/64	-
37727	27	3 1/2	1 9/16	1 9/16	25/32	2 7/64	31/32	-
37729	29	3 1/2	1 39/64	1 39/64	1 3/8	2 19/32	1 1/16	-
37730	30	3 1/2	1 21/32	1 21/32	1 3/8	2 19/32	1 1/16	-
37732	32	3 1/2	1 47/64	1 47/64	1 3/8	2 19/32	1 3/16	-
37734	34	3 1/2	1 7/8	1 7/8	1 3/8	2 19/32	1 19/64	-
37736	36	3 1/2	1 31/32	1 31/32	1 3/8	2 19/32	1 3/8	-

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37721 37710

37913 10 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37710	10	37714	14	37718	18
37711	11	37715	15	37719	19
37712	12	37716	16		
37713	13	37717	17		



37913

37914 14 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37710	10	37714	14	37718	18	37724	24
37711	11	37715	15	37719	19	37727	27
37712	12	37716	16	37721	21		
37713	13	37717	17	37722	22		



37914

37917 23 piece 1/2" Drive Impact Deep 6 Point, MM Socket Set on Clip Rails
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37710	10	37716	16	37723	23	37730	30
37711	11	37717	17	37724	24	37732	32
37712	12	37718	18	37725	25	37734	34
37713	13	37719	19	37726	26	37736	36
37714	14	37720	20	37727	27		
37715	15	37721	21	37729	29		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



37917

WARNING

WILLIAMS

12 M

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



35925 35910

1/2" DRIVE DEEP IMPACT SOCKETS, 12 POINT, MM

Black Industrial Finish

Product Code	Size (MM)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
35910	10	3 1/4	7/8	5/8	5/8	/	3/8	2
35911	11	3 1/4	7/8	5/8	5/8	/	3/8	2
35912	12	3 1/4	7/8	3/4	5/8	/	3/8	2
35913	13	3 1/4	15/16	3/4	5/8	/	1/2	2
35914	14	3 1/4	15/16	3/4	3/4	/	1/2	2
35915	15	3 1/4	1	15/16	3/4	/	1/2	2
35916	16	3 1/4	1	15/16	3/4	/	1/2	/
35917	17	3 1/4	1	1	3/4	/	1/2	/
35918	18	3 1/4	1	1	3/4	/	5/8	/
35919	19	3 1/4	1 3/16	1 1/8	3/4	/	5/8	/
35920	20	3 1/4	1 3/16	1 1/8	1	/	3/4	/
35921	21	3 1/4	1 1/4	1 1/4	1	/	3/4	/
35922	22	3 1/4	1 1/4	1 1/4	1	/	3/4	/
35923	23	3 1/4	1 1/4	1 1/4	1	/	7/8	/
35924	24	3 1/4	1 1/2	1 1/2	1	/	7/8	/
35925	25	3 1/4	1 1/2	1 1/2	1	/	7/8	/
35926	26	3 1/4	1 1/2	1 1/2	1	/	15/16	/
35927	27	3 1/4	1 1/2	1 1/2	1	/	15/16	5/8
35928	28	3 1/4	1 1/2	1 1/2	1	/	1	5/8
35929	29	3 1/4	1 1/2	1 5/8	1	/	1	5/8
35930	30	3 1/4	1 1/2	1 5/8	1	/	1	5/8
35932	32	3 1/4	1 1/2	1 3/4	1	/	1 1/8	5/8
35933	33	3 1/2	1 1/2	1 7/8	1 1/2	/	1 1/8	5/8
35934	34	3 1/2	1 1/2	1 7/8	1 1/2	/	1 1/4	5/8
35935	35	3 1/2	1 1/2	2	1 1/2	/	1 1/4	5/8
35936	36	3 1/2	1 1/2	2	1 1/2	/	1 1/4	5/8

37926 10 piece 1/2" Drive Impact Shallow 12 Point Socket Set on Clip Rails Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35910	10	35913	13	35916	16
35911	11	35914	14	35917	17
35912	12	35915	15	35918	18
				35919	19

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



37926

WILLIAMS®

1/2" DRIVE ONE PIECE IMPACT HEX BIT DRIVERS, SAE

Black Industrial Finish

Product Code	Size (Inches)	OAL (Inches)	Product Code	Size (Inches)	OAL (Inches)
35730	1/4	1 1/2	35738	1/2	1 1/2
35732	5/16	1 1/2	35740	9/16	1 1/2
35734	3/8	1 1/2	35742	5/8	1 1/2
35736	7/16	1 1/2			

Fed. Spec: ANSI B107.2



35732

TOOLS@HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

37920 7 Piece 1/2" Drive One Piece Impact Hex Bit Drivers, SAE

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35730	1/4	35736	7/16	35742	5/8
35732	5/16	35738	1/2		
35734	3/8	35740	9/16		



37920

WILLIAMS®

1/2" DRIVE ONE PIECE IMPACT HEX BIT DRIVERS, MM

Black Industrial Finish

Product Code	Size (Inches)	OAL (Inches)	Product Code	Size (Inches)	OAL (Inches)
35706	6	1 1/2	35712	12	1 1/2
35708	8	1 1/2	35714	14	1 1/2
35710	10	1 1/2	35717	17	

Fed. Spec: ANSI B107.2



35708

37922 6 Piece 1/2" Drive One Piece Impact Hex Bit Drivers, MM

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35706	6	35710	10	35714	14
35708	8	35712	12	35717	17



37922

WILLIAMS®

43 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSH-43TB	43 Piece Tool Set with TB-12 Metal Tool Box
WSH-43	43 Piece Tool Set Only



Contents Include:

Drive Tools:

Product Code	Description
H-20A	19" Sliding T-Handle
H-41AA	22" Flex Handle
H-51B	20" Ratchet
H-104	3" Extension
H-110	8" Extension
H-115	16" Extension
H-140A	Universal Joint

Deep 12-Point Sockets

Product Code	Size (Inches)
HD-628	7/8
HD-630	15/16
HD-632	1
HD-634	1 1/16
HD-636	1 1/8
HD-640	1 1/4
HD-642	1 5/16
HD-644	1 3/8
HD-646	1 7/16
HD-648	1 1/2
HD-652	1 5/8

Shallow 12-Point Sockets

Product Code	Size (Inches)	Product Code	Size (Inches)
H-1224	3/4	H-1250	1 9/16
H-1226	13/16	H-1252	1 5/8
H-1228	7/8	H-1254	1 11/16
H-1230	15/16	H-1256	1 3/4
H-1232	1	H-1258	1 13/16
H-1234	1 1/16	H-1260	1 7/8
H-1236	1 1/8	H-1264	2
H-1238	1 3/16	H-1266	2 1/16
H-1240	1 1/4	H-1268	2 1/8
H-1242	1 5/16	H-1270	2 3/16
H-1244	1 3/8	H-1272	2 1/4
H-1246	1 7/16	H-1276	2 3/8
H-1248	1 1/2		

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSH-43TB

WARNING



33910

WILLIAMS®

46 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point MM, with Metal Box

Product Code	Description
33910	46 Piece Tool Set with TB-12 Metal Tool Box
33911	46 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
33001	Ratchet
33005	Flex handle
33002	4" Extension
33003	8" Extension
33004	16" Extension
33006	18" Sliding T-handle
33007	Universal Joint

3/4" Drive Deep 12 Point Sockets

Product Code	Size (MM)
33719	19
33722	22
33723	23
33724	24
33727	27
33730	30
33732	32
33735	35
33736	36
33738	38
33741	41
33746	46
33750	50
33755	55
33760	60

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (MM)
33619	19
33620	20
33621	21
33622	22
33623	23
33624	24
33625	25
33626	26
33627	27
33628	28
33629	29
33630	30
33632	32
33635	35
33636	36
33638	38
33641	41
33642	42
33646	46
33650	50
33654	54
33655	55
33658	58
33660	60

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

30 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point, MM with Metal Box

Product Code	Description
33912	30 Piece Tool Set with TB-6124A Metal Tool Box
33913	30 Piece Tool Set Only

Contents Include:

3/4" Drive Tools:

Product Code	Description
33001	Ratchet
33005	Flex handle
33002	4" Extension
33003	8" Extension
33004	16" Extension
33006	18" Sliding T-handle
33007	Universal Joint

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (MM)
33619	19
33620	20
33621	21
33622	22
33623	23
33624	24
33625	25
33626	26

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (MM)
33627	27
33628	28
33629	29
33630	30
33632	32
33635	35
33636	36
33638	38
33641	41
33642	42
33646	46
33650	50
33654	54
33655	55
33658	58
33660	60

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



33912

⚠WARNING



WSH-29TB

WILLIAMS®

29 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSH-29TB	29 Piece Tool Set with TB-6124A Metal Tool Box
WSH-29	29 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
H-20A	19" Sliding T-Handle
H-41AA	22" Flex Handle
H-51B	20" Ratchet
H-104	3" Extension
H-110	8" Extension
H-115	16" Extension
H-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1228	7/8
H-1230	15/16
H-1232	1
H-1234	1 1/16
H-1236	1 1/8
H-1238	1 3/16
H-1240	1 1/4

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1242	1 5/16
H-1244	1 3/8
H-1246	1 7/16
H-1248	1 1/2
H-1250	1 9/16
H-1252	1 5/8
H-1254	1 11/16
H-1256	1 3/4
H-1258	1 13/16
H-1260	1 7/8
H-1264	2
H-1268	2 1/8
H-1270	2 3/16
H-1272	2 1/4
H-1276	2 3/8

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSH-22TB

WILLIAMS®

22 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSH-22TB	22 Piece Tool Set with TB-49 Metal Tool Box
WSH-22	22 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
H-41AA	22" Flex Handle
H-51B	20" Ratchet
H-104	3" Extension
H-110	8" Extension
H-115	16" Extension
H-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1228	7/8
H-1230	15/16
H-1232	1
H-1234	1 1/16

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1236	1 1/8
H-1240	1 1/4
H-1242	1 5/16
H-1244	1 3/8
H-1246	1 7/16
H-1248	1 1/2
H-1252	1 5/8
H-1254	1 11/16
H-1256	1 3/4
H-1258	1 13/16
H-1260	1 7/8
H-1264	2

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

23 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point, MM with Metal Box

Product Code	Description
33914	23 Piece Tool Set with TB-49 Metal Tool Box
33915	23 Piece Tool Set Only

Contents Include:

3/4" Drive Tools:

Product Code	Description
33001	Ratchet
33005	Flex handle
33003	8" Extension
33004	16" Extension

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (MM)
33619	19
33620	20
33621	21
33622	22
33623	23
33624	24
33625	25
33626	26
33627	27
33628	28
33629	29
33630	30
33632	32
33635	35
33636	36
33638	38
33641	41
33642	42
33646	46

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



33914

Image shown is not actual set, for reference only.

⚠WARNING



WSH-13TB

WILLIAMS

12 F

13 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSH-13TB	13 Piece Tool Set with TB-49 Metal Tool Box
WSH-13	13 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
H-51B	20" Ratchet
H-110	8" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1228	7/8
H-1230	15/16
H-1232	1

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1234	1 1/16
H-1236	1 1/8
H-1240	1 1/4
H-1242	1 5/16
H-1244	1 3/8
H-1246	1 7/16
H-1248	1 1/2
H-1252	1 5/8

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



MSH-20TB

WILLIAMS

12 M

20 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, with Metal Box

Product Code	Description
MSH-20TB	20 Piece Tool Set with TB-49 Metal Tool Box
MSH-20	20 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
H-41AA	22" Flex Handle
H-51B	20" Ratchet
H-110	8" Extension
H-115	16" Extension
H-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (MM)
HM-1219	19
HM-1222	22
HM-1224	24
HM-1227	27

Shallow 12-Point Sockets

Product Code	Size (MM)
HM-1230	30
HM-1232	32
HM-1235	35
HM-1236	36
HM-1238	38
HM-1241	41
HM-1246	46
HM-1250	50
HM-1254	54
HM-1255	55
HM-1260	60

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

20 PIECE 3/4" DRIVE SOCKET-LOK® TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
33901	20 Piece Tool Set with 50081 Metal Tool Box
50081	Metal Box

Contents Include:

3/4" Drive Tools:

Product Code	Description
33001	20" Socket-Lok® Ratchet
33006	18" Sliding T-Handle
33002	4" Extension
33003	8" Extension

3/4" Drive Shallow 12-Point Sockets

Product Code	Size (Inches)
33228	7/8
33230	15/16
33232	1
33234	1 1/16
33236	1 1/8

3/4" Drive Shallow 12-Point Sockets

Product Code	Size (Inches)
33238	1 3/16
33240	1 1/4
33242	1 5/16
33244	1 3/8
33246	1 7/16
33248	1 1/2
33252	1 5/8
33256	1 3/4
33258	1 13/16
33260	1 7/8
33264	2

Features

- Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
- Chamfered ends provide easy engagement of the drive tool and fastener.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



Socket-Lok® button positively locks the socket and drive tool together, providing positive retention and quick disassembly.



⚠WARNING



33903

WILLIAMS®

20 PIECE 3/4" SOCKET SET

12 Point Rugged-Case-System Tool Set, SAE

Product Code	Description
33903	20 Piece 3/4" Socket Set

Contents Include:

3/4" Drive Tools:

Product Code	Description
33003	8" Extension
33004	16" Extension
33012	32 Tooth Ratchet Head
33013	Universal Extendable Handle
33014	Sliding T-Handle

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (Inches)
33228	7/8
33230	15/16
33232	1
33234	1 1/16
33236	1 1/8
33240	1 1/4
33242	1 5/16
33244	1 3/8
33246	1 7/16
33248	1 1/2
33252	1 5/8
33256	1 3/4
33258	1 13/16
33260	1 7/8
33264	2

Features

- Extended Handle extends from 23-1/2" to 36"
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges
- Two-component handles are easy to grip and comfortable to carry



33905

WILLIAMS®

25 PIECE 3/4" SOCKET SET

12 Point with Metal Box, SAE

Product Code	Description
33905	25 Piece 3/4" Socket Set

Contents Include:

3/4" Drive Tools:

Product Code	Description
33001	2 Piece Ratchet
33002	4" Extension
33003	8" Extension
33004	16" Extension

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (Inches)
33228	7/8
33230	15/16
33232	1
33234	1 1/16
33236	1 1/8
33238	1 3/16
33240	1 1/4
33242	15/16
33244	1 3/8
33246	1 7/16
33248	1 1/2
33250	1 9/16
33252	1 5/8
33256	1 3/4
33258	1 13/16
33260	1 7/8
33264	2
33268	2 1/8
33272	2 1/4

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges
- Two-component handles are easy to grip and comfortable to carry

3/4" DRIVE INTEGRATED HANDLE RATCHETS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
H-51B	Chrome Ratchet	20 1/8	32
HB-51B	Black Finish Ratchet	20 1/8	32
H-52EHRK	Repair Kit for H-51B and HB-51B		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 32 tooth gear with 11 degree of engagement allows engagement in tight working areas.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.
- Ball and Spring socket retention.



H-51B



HB-51B

3/4" DRIVE REMOVABLE-HANDLE RATCHETS

Knurled Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
Complete Ratchet			
H-51AB1	Ratchet with 19 1/4" Handle	24 11/16	32
Components			
H-51AB	Ratchet Head Only	6	32
H-A1	Handle Only	19 1/4	
H-52EHRKA	Repair Kit for H-51AB1 and H-51AB		

Note: Head Bore and Handle End Diameter: 13/16"

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- 32 teeth action provides an 11° ratcheting angle.
- Shift lever reverses action instantly.
- Ball and spring provide firm socket retention.
- Removable handle makes the tool more versatile, and storage easier.
- Knurled handle provides a non-slip grip.
- Chrome finish models provides increased protection from rust and corrosion.
- Our most rugged, high torque capacity ratchet.



H-51AB1



H-51AB



H-A1

3/4" DRIVE HANDLES

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Finish
H-41AA	Flex Handle Breaker Bar, Knurled Grip	22 1/8	Chrome
H-20A	Sliding T-Handle	19 1/4	Chrome
HB-20A	Sliding T-Handle	19 1/4	Black Industrial

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Square drive slides on T-Handles for versatility.
- Flex handle flex drive swivels 110° in either direction.



H-41AA



H-20A



HB-20A

WARNING


H-104


H-110


H-115


H-110B


H-104B


H-115B

WILLIAMS®

3/4" DRIVE EXTENSIONS

Chrome and Black Industrial Finish

Product Code	Length (Inches)
Chrome Finish	
H-104	3
H-110	8
H-115	16
Black Industrial Finish	
H-104B	3
H-110B	8
H-115B	16

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.


HNX-130


HNX-131


HNX-130B


HNX-131B

WILLIAMS®

3/4" DRIVE ADAPTERS

Chrome and Black Industrial Finish

Product Code	Length (Inches)	Male End (Inches)	Female End (Inches)	Female End Detent
Chrome Finish				
HNX-130	3	1	3/4	Detent on Each Wall
HNX-131	3 1/16	3/4	1	Drilled Hole
Black Industrial Finish				
HNX-130B	3	1	3/4	Detent on Each Wall
HNX-131B	3 1/16	3/4	1	Drilled Hole

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.


H-140A


HB-140A

WILLIAMS®

3/4" DRIVE UNIVERSAL JOINTS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)
Chrome Finish		
H-140A	Universal Joint	4 1/16
Black Industrial Finish		
HB-140A	Universal Joint	4 1/16

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.

WILLIAMS®

3/4" DRIVE EXTENDABLE RATCHET AND T-HEAD

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
33012	32 Tooth Ratchet Head	6	33001RK
33013	Universal Extendable Handle	23 ½" to 36"	
33014	Sliding T-Head		

Fed. Spec: ANSI B107.10M

Features

- Williams 3/4" Drive Ratchet and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - Two-piece ratchet design for maximum versatility.
  - Knurled handle to provide a firm, non-slip grip and extra turning power.
  - Narrow pear-shaped head for access into confined work areas.
  - High-polished chrome finish for easy cleaning.
- Chamfered ends provide easy engagement of the drive tool and fastener.
- Extended Handle extends from 23-1/2" to 36"


33013


33012


33014

WILLIAMS®

3/4" DRIVE RATCHETS AND HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
33001	Socket-Lok Ratchet - 32 Teeth	20	33001RK
33015	Ratchet head only for 33016	6	
33016	Handle only for 33015	16	
33005	Flex Handle	19	
33006	Sliding T-Handle	19	

Fed. Spec: ANSI B107.10M

Features

- Williams 3/4" Drive Ratchet and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - Two-piece ratchet design for maximum versatility.
  - Knurled handle to provide a firm, non-slip grip and extra turning power.
  - Narrow pear-shaped head for access into confined work areas.
  - High-polished chrome finish for easy cleaning.
- Chamfered ends provide easy engagement of the drive tool and fastener.


33001


33005


33006

Socket-Lok® button positively locks the socket and drive tool together, providing positive retention and quick disassembly.



WILLIAMS®

3/4" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

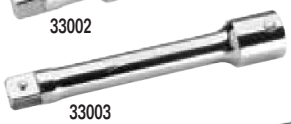
Product Code	Description	Length (Inches)
33002	Extension	4
33003	Extension	8
33004	Extension	16
33007	Universal Joint	4 5/16
33008	¾" F x ½" M Adapter	2 1/8
33009	¾" F x 1" M Adapter	2 7/16
33011	1" F x ¾" M Adapter	2 5/8

Fed. Spec: ANSI B107.10M

Features

- Williams 3/4" Drive Ratchet and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - High-polished chrome finish for easy cleaning.
- Chamfered ends provide easy engagement of the drive tool and fastener.


33002


33003


33004


33007


33008


33009


33011

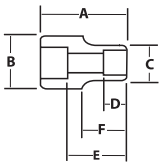


WILLIAMS

3/4" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish





Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
H-1224	3/4	2	1 7/16	1 1/8	17/32	1 1/4	11/16	13/16
H-1226	13/16	2	1 7/16	1 7/32	9/16	1 1/4	11/16	13/16
H-1228	7/8	2	1 7/16	1 5/16	19/32	1 1/4	11/16	13/16
H-1230	15/16	2	1 7/16	1 3/8	21/32	1 1/4	11/16	13/16
H-1231	31/32	2	1 7/16	1 13/32	11/16	1 1/4	11/16	13/16
H-1232	1	2 1/16	1 7/16	1 15/32	11/16	1 5/16	11/16	25/32
H-1234	1 1/16	2 1/8	1 1/2	1 9/16	3/4	1 5/32	1 1/32	7/8
H-1236	1 1/8	2 3/16	1 1/2	1 5/8	13/16	1 7/32	1 1/8	29/32
H-1238	1 3/16	2 1/4	1 1/2	1 11/16	27/32	1 9/32	1 5/32	31/32
H-1240	1 1/4	2 1/4	1 1/2	1 3/4	27/32	1 11/32	1 9/32	15/16
H-1242	1 5/16	2 5/16	1 5/8	1 7/8	27/32	1 13/32	1 11/32	1
H-1244	1 3/8	2 5/16	1 5/8	1 15/16	7/8	1 3/8	1 7/16	1
H-1246	1 7/16	2 3/8	1 5/8	2	15/16	1 7/16	1 1/4	1
H-1248	1 1/2	2 1/2	1 5/8	2 1/8	1	1 9/16	1 1/4	1 1/8
H-1250	1 9/16	2 5/8	1 3/4	2 3/16	1 5/32	1 11/16	1 3/8	1 1/4
H-1252	1 5/8	2 5/8	1 3/4	2 1/4	1 5/32	1 11/16	1 3/8	1 1/4
H-1254	1 11/16	2 3/4	1 25/32	2 3/8	1 3/16	1 13/16	1 3/8	1 3/8
H-1256	1 3/4	2 3/4	1 3/4	2 7/16	1 3/16	1 13/16	1 3/8	1 3/8
H-1258	1 13/16	2 7/8	1 3/4	2 1/2	1 1/4	1 31/32	1 5/16	1 7/16
H-1260	1 7/8	3	1 3/4	2 9/16	1 5/16	2 1/16	1 5/16	1 9/16
H-1264	2	3 1/8	1 3/4	2 3/4	1 5/16	2 3/16	1 5/16	1 11/16
H-1266	2 1/16	3 1/8	1 3/4	2 3/4	1 3/8	2 3/16	1 5/16	1 11/16
H-1268	2 1/8	3 1/4	1 3/4	2 15/16	1 7/16	2 5/16	1 5/16	1 13/16
H-1270	2 3/16	3 1/4	1 3/4	2 15/16	1 1/2	2 5/16	1 5/16	1 13/16
H-1272	2 1/4	3 3/8	1 3/4	3 1/8	1 1/2	2 7/16	1 1/4	1 7/8
H-1274	2 5/16	3 1/2	1 3/4	3 1/4	1 5/8	2 9/16	1 1/4	2
H-1276	2 3/8	3 5/8	1 3/4	3 1/4	1 3/4	2 11/16	1 1/4	2 1/8

Fed. Spec: ANSI B107.110

WSH-16TB 16 Piece 3/4" Drive Shallow 12-Point Socket Set with TB-49 Tool Box

WSH-16RC 16 Piece 3/4" Drive Shallow 12-Point Socket Set on Clip Rails



Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
H-1228	7/8	H-1236	1 1/8	H-1246	1 7/16	H-1256	1 3/4
H-1230	15/16	H-1240	1 1/4	H-1248	1 1/2	H-1258	1 13/16
H-1232	1	H-1242	1 5/16	H-1252	1 5/8	H-1260	1 7/8
H-1234	1 1/16	H-1244	1 3/8	H-1254	1 11/16	H-1264	2

WSH-26RC 26 Piece 3/4" Drive Shallow 12-Point Socket Set on Clip Rails



Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
H-1224	3/4	H-1238	1 3/16	H-1252	1 5/8	H-1268	2 1/8
H-1226	13/16	H-1240	1 1/4	H-1254	1 11/16	H-1270	2 3/16
H-1228	7/8	H-1242	1 5/16	H-1256	1 3/4	H-1272	2 1/4
H-1230	15/16	H-1244	1 3/8	H-1258	1 13/16	H-1274	2 5/16
H-1232	1	H-1246	1 7/16	H-1260	1 7/8	H-1276	2 3/8
H-1234	1 1/16	H-1248	1 1/2	H-1264	2		
H-1236	1 1/8	H-1250	1 9/16	H-1266	2 1/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.

WILLIAMS®

3/4" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	F Nose Length (Inches)
33228	7/8	1 15/16	1 7/16	1 1/4	35/64
33230	15/16	2	1 7/16	1 3/8	5/8
33232	1	2 1/16	1 7/16	1 7/16	5/8
33234	1 1/16	2 1/16	1 7/16	1 1/2	7/8
33236	1 1/8	2 1/16	1 1/2	1 9/16	7/8
33238	1 3/16	2 1/8	1 1/2	1 11/16	15/16
33240	1 1/4	2 3/16	1 1/2	1 3/4	15/16
33242	1 5/16	2 3/16	1 1/2	1 13/16	1
33244	1 3/8	2 1/4	1 5/8	1 7/8	1
33246	1 7/16	2 1/4	1 5/8	1 31/32	1 7/64
33248	1 1/2	2 3/8	1 3/4	2 1/16	1 7/64
33250	1 9/16	2 7/16	1 3/4	2 1/8	1 3/16
33252	1 5/8	2 1/2	1 3/4	2 3/16	1 3/16
33256	1 3/4	2 9/16	1 13/16	2 5/16	1 1/4
33258	1 13/16	2 11/16	1 13/16	2 3/8	1 1/4
33260	1 7/8	2 3/4	1 7/8	2 1/2	1 11/32
33264	2	2 13/16	1 7/8	2 11/16	1 13/32

Fed. Spec: ANSI B107.110



33920 11 Piece 3/4" Drive Shallow 12-Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
33228	7/8	33236	1 1/8	33244	1 3/8
33230	15/16	33238	1 3/16	33246	1 7/16
33232	1	33240	1 1/4	33248	1 1/2
33234	1 1/16	33242	1 5/16		



33922 16 Piece 3/4" Drive Shallow 12-Point Socket Set on Clip Rails

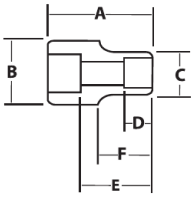
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
33228	7/8	33242	1 5/16	33260	1 7/8
33230	15/16	33244	1 3/8	33264	2
33232	1	33246	1 7/16		
33234	1 1/16	33248	1 1/2		
33236	1 1/8	33252	1 5/8		
33238	1 3/16	33256	1 3/4		
33240	1 1/4	33258	1 13/16		



Features

- Williams 3/4" Drive Hand Sockets and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - Sockets feature a deep chamfer on the drive end to speed insertion onto the drive tool.
  - Chamfered ends provide easy engagement of the drive tool and fastener.
  - SUPERTORQUE® recessed corners in socket end provide extra turning power.
  - High-polished chrome finish tools clean easily and resist rust.
- Designed for quick engagement on both 6 and 12 point fasteners.



⚠WARNING

WILLIAMS®

3/4" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC



HM1232

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
HM-1219	19	2	7/16	1 1/8	9/16	1 1/32	11/16	13/16
HM-1222	22	2	7/16	1 1/4	5/8	1 1/32	11/16	13/16
HM-1223	23	2	1 7/16	1 11/32	5/8	1 1/32	3/4	9/16
HM-1224	24	2	7/16	1 3/8	21/32	1 1/32	11/16	13/16
HM-1225	25	2	1 7/16	1 7/16	2 3/32	1 1/32	3/4	2
HM-1226	26	2	1 1/2	1 1/2	2 3/32	1 1/32	1 1/32	2
HM-1227	27	2	1 1/2	1 9/16	3/4	1 1/32	1 1/16	11/16
HM-1228	28	2	1 1/2	1 21/32	25/32	1 1/32	1-3/32	1-7/32
HM-1230	30	2 7/32	1 1/2	1 5/8	13/16	1 7/32	1 3/16	27/32
HM-1232	32	2 1/4	1 1/2	1 3/4	7/8	1 5/16	1 5/16	7/8
HM-1235	35	2 5/16	1 5/8	1 15/16	29/32	1 13/32	1 7/16	7/8
HM-1236	36	2 5/16	1 5/8	1 15/16	29/32	1 13/32	1 1/4	7/8
HM-1238	38	2 1/2	1 5/8	2 1/16	1	1 19/32	1 9/16	1 1/16
HM-1241	41	2 5/8	1 3/4	2 3/16	1 1/16	1 23/32	1 13/32	1 3/16
HM-1242	42	2 1/2	1 3/4	2 9/32	1 1/16	1 1/2	1 5/8	1 21/32
HM-1246	46	3 1/8	1 3/4	2 7/16	1 3/16	1 31/32	1 13/32	1 11/16
HM-1250	50	3	1 3/4	2 5/8	1 5/16	2 3/32	1 13/32	1 13/32
HM-1254	54	3 1/4	1 3/4	2 7/8	1 15/32	2 1/8	1 13/32	1 21/32
HM-1255	55	3 1/4	1 3/4	2 29/32	1 15/32	2 11/32	1 13/32	1 21/32
HM-1260	60	3 5/8	1 3/4	3 1/4	1 3/4	2 23/32	1 3/4	2 1/8

Fed. Spec: ANSI B107.110

MSH-15RC 15 Piece 3/4" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
HM-1219	19	HM-1230	30	HM-1238	38	HM-1254	54
HM-1222	22	HM-1232	32	HM-1241	41	HM-1255	55
HM-1224	24	HM-1235	35	HM-1246	46	HM-1260	60
HM-1227	27	HM-1236	36	HM-1250	50		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.



MSH-15RC

WILLIAMS®

3/4" DRIVE SHALLOW SOCKET, 12 POINT, MM

High Polished Chrome Finish

Product Code	Size (MM)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)
33619	19	1 31/32	1 19/64	1 5/32	35/64	35/64	45/64
33620	20	1 31/32	1 19/64	1 3/16	35/64	35/64	45/64
33621	21	1 31/32	1 19/64	1 15/64	35/64	35/64	45/64
33622	22	1 31/32	1 27/64	1 17/64	35/64	35/64	45/64
33623	23	1 31/32	1 27/64	1 5/16	35/64	35/64	45/64
33624	24	2 1/64	1 27/64	1 11/32	21/32	21/32	29/32
33625	25	2 1/32	1 3/8	1 27/64	21/32	21/32	29/32
33626	26	2 1/32	1 27/64	1 29/64	21/32	21/32	29/32
33627	27	2 1/32	1 27/64	1 1/2	55/64	55/64	15/16
33628	28	2 1/32	1 27/64	1 9/16	55/64	55/64	15/16
33629	29	2 1/32	1 27/64	1 19/32	55/64	55/64	15/16
33630	30	2 1/8	1 27/64	1 21/32	15/16	15/16	1 1/16
33632	32	2 13/64	1 27/64	1 47/64	1 1/64	1 1/64	1 9/64
33635	35	2 13/64	1 1/2	1 57/64	1 1/64	1 1/64	1 17/64
33636	36	2 9/32	1 1/2	1 31/32	1 7/64	1 7/64	1 19/64
33638	38	2 23/64	1 1/2	2 1/32	1 7/64	1 7/64	1 3/8
33641	41	2 33/64	1 37/64	2 13/64	1 3/16	1 3/16	1 1/2
33642	42	2 33/64	1 37/64	2 1/4	1 3/16	1 3/16	1 1/2
33646	46	2 19/32	1 21/32	2 7/16	1 17/64	1 17/64	1 21/32
33650	50	2 3/4	1 21/32	2 43/64	1 11/32	1 11/32	1 21/32
33654	54	2 29/32	1 49/64	2 7/16	1 27/64	1 27/64	1 21/32
33655	55	2 63/64	1 49/64	2 29/32	1 1/2	1 1/2	1 11/16
33658	58	3 5/64	1 49/64	3 5/64	1 37/64	1 37/64	1 11/16
33660	60	3 5/64	1 49/64	3 5/32	1 21/32	1 21/32	1 49/64



33619

33931 17 piece 3/4" Drive Shallow 12 Point Socket Set in Clip and Rails Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
33622	22	33627	27	33635	35	33646	46
33623	23	33628	28	33636	36	33650	50
33624	24	33629	29	33638	38		
33625	25	33630	30	33641	41		
33626	26	33632	32	33642	42		



33931

33930 24 piece 3/4" Drive Shallow 12 Point Socket Set Clip and Rails Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
33619	19	33625	25	33632	32	33646	46
33620	20	33626	26	33635	35	33650	50
33621	21	33627	27	33636	36	33654	54
33622	22	33628	28	33638	38	33655	55
33623	23	33629	29	33641	41	33658	58
33624	24	33630	30	33642	42	33660	60

Features

- Williams 3/4" Drive Hand Sockets and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - Sockets feature a deep chamfer on the drive end to speed insertion onto the drive tool.
  - Chamfered ends provide easy engagement of the drive tool and fastener.
  - SUPERTORQUE® recessed corners in socket end provide extra turning power.
  - High-polished chrome finish tools clean easily and resist rust.
- Designed for quick engagement on both 6 and 12 point fasteners.

⚠WARNING



HD-628 HD-640



WSHD-11RC

WILLIAMS

3/4" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
HD-628	7/8	3 1/2	1 7/16	1 5/16	5/8	2 1/2	11/16	2 5/16
HD-630	15/16	3 1/2	1 7/16	1 3/8	21/32	2 1/2	11/16	2 5/16
HD-632	1	3 1/2	1 1/2	1 7/16	23/32	2 1/2	11/16	2 5/16
HD-634	1 1/16	3 1/2	1 1/2	1 9/16	3/4	2 1/2	3/4	2 7/32
HD-636	1 1/8	3 1/2	1 1/2	1 5/8	13/16	2 1/2	25/32	2 7/32
HD-640	1 1/4	3 1/2	1 1/2	1 3/4	1	2 1/2	7/8	2 3/16
HD-642	1 5/16	3 1/2	1 5/8	1 7/8	1	2 1/2	15/16	2 3/16
HD-644	1 3/8	3 1/2	1 5/8	1 15/16	1	2 9/16	1 3/8	2 3/16
HD-646	1 7/16	3 1/2	1 5/8	2	1	2 9/16	1 7/16	2 1/8
HD-648	1 1/2	3 1/2	1 5/8	2 1/16	1 1/4	2 9/16	1 1/2	2 1/8
HD-652	1 5/8	3 1/2	1 3/4	2 1/4	1 3/8	2 9/16	1 5/8	2 1/8

Fed. Spec: ANSI B107.110

WSHD-11HRC 11 Piece 3/4" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
HD-628	7/8	HD-636	1 1/8	HD-646	1 7/16
HD-630	15/16	HD-640	1 1/4	HD-648	1 1/2
HD-632	1	HD-642	1 5/16	HD-652	1 5/8
HD-634	1 1/16	HD-644	1 3/8		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.



33719



33932

WILLIAMS

3/4" DRIVE DEEP SOCKET, 6 POINT, MM

High-Polished Chrome Finish

Product Code	Size (MM)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)
33719	19	3 35/64	1 19/64	1 5/32	1 1/64	1 3/16	45/64
33722	22	3 35/64	1 27/64	1 17/64	1 1/64	1 3/16	45/64
33723	23	3 35/64	1 27/64	1 5/16	1 1/64	1 3/16	45/64
33724	24	3 35/64	1 27/64	1 11/32	1 1/64	1 3/16	45/64
33727	27	3 35/64	1 27/64	1 1/2	1 7/64	1 3/16	15/16
33730	30	3 35/64	1 27/64	1 21/32	1 7/64	1 3/16	1 1/16
33732	32	3 35/64	1 27/64	1 47/64	1 7/64	1 3/16	1 9/64
33735	35	3 35/64	1 1/2	1 57/64	1 3/16	1 7/64	1 17/64
33736	36	3 35/64	1 1/2	1 31/32	1 3/16	1 7/64	1 19/64
33738	38	3 35/64	1 1/2	2 1/32	1 11/32	15/16	1 3/8
33741	41	3 35/64	1 37/64	2 13/64	1 11/32	15/16	1 1/2
33746	46	3 35/64	1 21/32	2 7/16	1 11/32	15/16	1 21/32
33750	50	3 35/64	1 21/32	2 43/64	1 27/64	15/16	1 21/32
33755	55	3 15/16	1 49/64	2 29/32	1 1/2	25/32	1 11/16
33760	60	3 61/64	1 49/64	3 5/32	1 37/64	5/8	1 49/64

33932 15 piece 3/4" Drive Deep 6 Point Socket Set in Clip and Rails

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
33719	19	33727	27	33736	36	33750	50
33722	22	33730	30	33738	38	33755	55
33723	23	33732	32	33741	41	33760	60
33724	24	33735	35	33746	46		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

WILLIAMS®

3/4" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
6-107	Impact Extension	7	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-110	Impact Extension	9 3/4	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-113	Impact Extension	12 3/4	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-140B	Impact Universal Joint	3 1/2	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-7	1"M x 3/4"F Adapter	2 3/4	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-4A	1/2"M x 3/4"F Adapter	2 1/2	6-1XS	6-1A / 6-2C	Spring Plunger

Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.





WILLIAMS®

3/4" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
38002	Impact Extension	7	6-1XS	6-1A / 6-2C	Through Hole and Pin
38003	Impact Extension	10	6-1XS	6-1A / 6-2C	Through Hole and Pin
38004	Impact Extension	13	6-1XS	6-1A / 6-2C	Through Hole and Pin
38001	Impact Universal Joint	4 5/16	6-1XS	6-1A / 6-2C	Through Hole and Pin
38005	1/2"M x 3/4"F Adapter	2 3/16	6-1XS	6-1A / 6-2C	Ball and Spring
38006	1"M x 3/4"F Adapter	2 7/16	6-1XS	6-1A / 6-2C	Through Hole and Pin

Fed. Spec: ANSI B107.2

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.





⚠WARNING



6-1A



6-2B

WILLIAMS®

3/4" DRIVE IMPACT RETAINING PINS AND RINGS

Black Industrial Finish

Product Code	Description	Diameter	Length	Application
6-1A	Impact Retaining O-Ring	1 1/4	NA	Fits All Williams 3/4" Drive Sockets and Accessories
6-2B	Impact Retaining Pin	3/16	1 1/4	Fits Williams Impact Sockets with "B" Dimension to 1 3/4"
6-2C	Impact Retaining Pin	3/16	1 1/2	Fits Williams Impact Sockets with "B" Dimension 1 3/4" and Greater

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Suitable for use with pneumatic and electric impact wrenches.
- For 3/4" drive impact tools with pin retention hole and groove.



6-2XS

WILLIAMS®

3/4" DRIVE RET RING® ONE-PIECE IMPACT RETAINING RINGS WITH CRUSH GAUGE

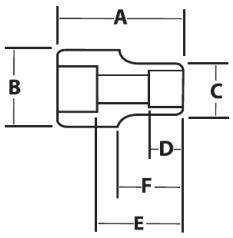
Black Industrial Finish

Product Code	Inside Dia. (In.)
6-0XS	1 1/4"
6-1XS	1 7/16"
6-2XS	1 5/8"
6-3XS	1 3/4"
6-4XS	2
6-5XS	2 1/8"
6-6XS	2 1/4"

Made in U.S.A.

Features

- Fits all Williams 3/4" Drive Sockets and Accessories
- Crush Gage on the resin pin indicates when a socket is excessively worn and should be replaced.
- Securely retains sockets and accessories to square drive of impact wrench
- For 3/4" drive impact tools with pin retention hole and groove
- Made of oil resistant material
- RET RING® is a trademark of FTL Enterprises, Inc.





16-648BW

WILLIAMS®

3/4" DRIVE BUDD® WHEEL IMPACT SOCKET, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E			
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Uses RET RING® Number	Use O-Ring / Pin
16-648BW	13/16 Square & 1 1/2 Hex	4	1 3/4	2 1/4	1 7/16	2 1/4	1 1/4	6-1X	6-1A / 6-2C

Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 13/16" square opening threads stud into wheel.
- 1-1/2" hex opening engages and tightens the wheel lug nut.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

3/4" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E	F			
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
6-618A	9/16	2	1 5/8	1	17/32	1 1/32	1/2	1	6-1XS	6-1A / 6-2B
6-620A	5/8	2	1 5/8	1 3/32	17/32	1 1/32	1/2	1	6-1XS	6-1A / 6-2B
6-622A	11/16	2	1 5/8	1 5/32	17/32	1 1/32	1/2	1	6-1XS	6-1A / 6-2B
6-624A	3/4	2	1 5/8	1 1/4	17/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6-626A	13/16	2	1 5/8	1 3/8	17/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6-628A	7/8	2	1 5/8	1 1/2	19/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6-630A	15/16	2	1 5/8	1 9/16	21/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6-632A	1	2	1 5/8	1 5/8	11/16	1 1/32	11/16	-	6-1XS	6-1A / 6-2B
6-634A	1 1/16	2	1 5/8	1 11/16	3/4	1 1/32	1 1/16	1 5/16	6-1XS	6-1A / 6-2B
6-636	1 1/8	2 1/8	1 5/8	1 3/4	3/4	1 5/32	1 1/8	1 7/16	6-1XS	6-1A / 6-2B
6-638	1 3/16	2 1/8	1 5/8	1 7/8	3/4	1 5/32	1 3/16	1 7/16	6-1XS	6-1A / 6-2B
6-640	1 1/4	2 1/8	1 3/4	2	13/16	1 5/32	1 1/4	1 7/16	6-1XS	6-1A / 6-2C
6-642	1 5/16	2 1/8	1 3/4	2 1/32	7/8	1 5/32	1 5/16	1 7/16	6-1XS	6-1A / 6-2C
6-644	1 3/8	2 1/4	1 3/4	2 1/8	7/8	1 9/32	1 3/8	1 9/16	6-1XS	6-1A / 6-2C
6-646	1 7/16	2 1/4	1 3/4	2 3/16	7/8	1 9/32	1 7/16	1 9/16	6-1XS	6-1A / 6-2C
6-648	1 1/2	2 1/4	1 3/4	2 1/4	15/16	1 9/32	1 1/2	1 9/16	6-1XS	6-1A / 6-2C
6-650	1 9/16	2 3/8	1 3/4	2 11/32	15/16	1 13/32	1 9/16	1 11/16	6-1XS	6-1A / 6-2C
6-652	1 5/8	2 3/8	1 3/4	2 13/32	1	1 13/32	1 5/8	1 11/16	6-1XS	6-1A / 6-2C
6-654	1 11/16	2 9/16	1 3/4	2 15/32	1 1/32	1 19/32	1 7/16	1 7/8	6-1XS	6-1A / 6-2C
6-656	1 3/4	2 9/16	1 3/4	2 17/32	1 1/32	1 19/32	1 3/4	1 7/8	6-1XS	6-1A / 6-2C
6-658	1 13/16	2 5/8	1 3/4	2 19/32	1 1/8	1 21/32	1 13/16	1 15/16	6-1XS	6-1A / 6-2C
6-660	1 7/8	2 3/4	1 3/4	2 5/8	1 1/8	1 13/16	1 7/16	2 1/16	6-1XS	6-1A / 6-2C
6-662	1 15/16	2 3/4	1 3/4	2 3/4	1 1/8	1 3/4	1 7/16	2 1/16	6-1XS	6-1A / 6-2C
6-664	2	2 7/8	1 3/4	2 13/16	1 1/8	1 13/16	1 7/16	2 3/16	6-1XS	6-1A / 6-2C
6-666	2 1/16	2 7/8	1 3/4	2 7/8	1 3/16	1 13/16	1 7/16	2 3/16	6-1XS	6-1A / 6-2C
6-670	2 3/16	3 3/16	1 3/4	3 1/16	1 5/16	2 1/16	2 3/16	2 1/2	6-1XS	6-1A / 6-2C
6-672	2 1/4	3 3/16	1 3/4	3 1/8	1 3/8	2 5/32	1 27/32	2 1/2	6-1XS	6-1A / 6-2C
6-676	2 3/8	3 1/2	1 3/4	3 1/4	1 7/16	2 7/16	1 27/32	2 13/16	6-1XS	6-1A / 6-2C

Fed. Spec: ANSI B107.2

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



6-620A

WS-6-10HA 10 Piece 3/4" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
6-654	1 11/16	6-660	1 7/8	6-666	2 1/16
6-656	1 3/4	6-662	1 15/16	6-670	2 3/16
6-658	1 13/16	6-664	2	6-672	2 1/4
				6-676	2 3/8



WS-6-14HA

WS-6-14HA 14 Piece 3/4" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
6-624A	3/4	6-632A	1	6-640	1 1/4	6-648	1 1/2
6-626A	13/16	6-634A	1 1/16	6-642	1 5/16	6-652	1 5/8
6-628A	7/8	6-636	1 1/8	6-644	1 3/8		
6-630A	15/16	6-638	1 3/16	6-646	1 7/16		

WS-6-18TB 18 Piece 3/4" Drive Shallow 6 Point Impact Socket Set packed in Tool Box
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
6-628A	7/8	6-640	1 1/4	6-656	1 3/4
6-630A	15/16	6-642	1 5/16	6-658	1 13/16
6-632A	1"	6-644	1 3/8	6-660	1 7/8
6-634A	1 1/16	6-646	1 7/16	6-664	2"
6-636	1 1/8	6-648	1 1/2	6-107	7" EXT
6-638	1 3/16	6-652	1 5/8	6-140B	U-JOINT
				TB-6119A	TOOL BOX



WS-6-18TB

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

Made in U.S.A.

WARNING

WILLIAMS®

3/4" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	F Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
38118	9/16	2	1 5/8	1	1	6-1XS	6-1A / 6-2B
38120	5/8	2	1 5/8	1 3/32	1	6-1XS	6-1A / 6-2B
38122	11/16	2	1 5/8	1 5/32	1	6-1XS	6-1A / 6-2B
38124	3/4	2	1 5/8	1 1/4	1	6-1XS	6-1A / 6-2B
38126	13/16	2	1 5/8	1 5/8	1	6-1XS	6-1A / 6-2B
38128	7/8	2	1 11/16	1 7/16	2 9/16	6-1XS	6-1A / 6-2B
38130	15/16	2	1 11/16	1 1/2	2 9/16	6-1XS	6-1A / 6-2B
38132	1	2 1/16	1 11/16	1 9/16	5/8	6-1XS	6-1A / 6-2B
38134	1 1/16	2 1/16	1 11/16	1 11/16	25/32	6-1XS	6-1A / 6-2B
38136	1 1/8	2 1/16	1 3/4	1 3/4	25/32	6-1XS	6-1A / 6-2C
38138	1 3/16	2 1/16	1 3/4	1 13/16	25/32	6-1XS	6-1A / 6-2C
38140	1 1/4	2 1/4	1 3/4	1 7/8	13/16	6-1XS	6-1A / 6-2C
38142	1 5/16	2 1/4	1 3/4	1 15/16	13/16	6-1XS	6-1A / 6-2C
38144	1 3/8	2 1/4	1 3/4	2 1/16	13/16	6-1XS	6-1A / 6-2C
38146	1 7/16	2 1/4	1 3/4	2 7/64	13/16	6-1XS	6-1A / 6-2C
38148	1 1/2	2 1/4	1 3/4	2 13/64	7/8	6-1XS	6-1A / 6-2C
38150	1 9/16	2 1/4	1 3/4	2 7/32	7/8	6-1XS	6-1A / 6-2C
38152	1 5/8	2 1/4	1 3/4	2 15/64	7/8	6-1XS	6-1A / 6-2C
38154	1 11/16	2 7/16	1 3/4	2 15/32	1	6-1XS	6-1A / 6-2C
38156	1 3/4	2 7/16	1 3/4	2 1/2	1	6-1XS	6-1A / 6-2C
38158	1 13/16	2 7/16	1 3/4	2 19/32	1	6-1XS	6-1A / 6-2C
38160	1 7/8	2 11/16	1 3/4	2 11/16	1 3/16	6-1XS	6-1A / 6-2C
38162	1 15/16	2 11/16	1 3/4	2 3/4	1 3/16	6-1XS	6-1A / 6-2C
38164	2	2 11/16	1 3/4	2 13/16	1 3/16	6-1XS	6-1A / 6-2C

Fed. Spec: ANSI B107.2

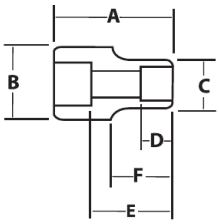
TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



38144

38130





38920



38901

38920 9 Piece 3/4" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
38132	1	38138	1 3/16	38144	1 3/8
38134	1 1/16	38140	1 1/4	38146	1 7/16
38136	1 1/8	38142	1 5/16	38148	1 1/2

38901 16 Piece 3/4" Drive Shallow 6 Point Impact Socket Set with 50083 Metal Box

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
38128	7/8	38140	1 1/4	38156	1 3/4
38130	15/16	38142	1 5/16	38158	1 13/16
38132	1	38144	1 3/8	38160	1 7/8
38134	1 1/16	38146	1 7/16	38164	2
38136	1 1/8	38148	1 1/2		
38138	1 3/16	38152	1 5/8		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

3/4 " DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	Overall Length (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
38420	5/8	2	1 1/2	1 1/8	5/8	/	1/2	7/8
38422	11/16	2	1 1/2	1 1/8	5/8	/	1/2	7/8
38424	3/4	2	1 1/2	1 1/8	5/8	/	5/8	7/8
38426	13/16	2 1/16	1 1/2	1 1/4	3/4	/	3/4	15/16
38428	7/8	2 1/16	1 1/2	1 5/16	3/4	/	3/4	15/16
38430	15/16	2 1/16	1 1/2	1 7/16	3/4	/	7/8	15/16
38432	1	2 1/16	1 1/2	1 1/2	3/4	/	7/8	/
38434	1 1/16	2 1/16	1 1/2	1 1/2	3/4	/	15/16	/
38436	1 1/8	2 1/16	1 5/8	1 5/8	3/4	/	1 1/16	/
38438	1 3/16	2 1/16	1 3/4	1 3/4	3/4	/	1 1/16	/
38440	1 1/4	2 1/16	1 3/4	1 13/16	3/4	/	1 3/16	15/16
38442	1 5/16	2 1/4	1 3/4	1 13/16	7/8	/	1 3/16	15/16
38444	1 3/8	2 1/4	1 3/4	2	7/8	/	1 1/4	15/16
38446	1 7/16	2 1/4	1 3/4	2	7/8	/	1 3/8	15/16
38448	1 1/2	2 1/4	1 3/4	2 1/16	15/16	/	1 3/8	15/16
38450	1 9/16	2 7/16	1 3/4	2 1/4	15/16	/	1 1/2	1
38452	1 5/8	2 7/16	1 3/4	2 1/4	15/16	/	/	1
38454	1 11/16	2 7/16	1 3/4	2 1/2	1 1/16	/	/	1
38456	1 3/4	2 7/16	1 3/4	2 1/2	1 1/16	/	/	1
38458	1 13/16	2 5/8	1 3/4	2 5/8	1 1/16	/	/	1
38460	1 7/8	2 5/8	1 3/4	2 5/8	1 1/16	/	/	1
38462	1 15/16	2 3/4	1 3/4	2 3/4	1 5/16	/	/	1
38464	2	2 13/16	2 1/8	2 3/4	1 5/16	/	/	1
38466	2 1/16	2 13/16	2 1/8	3	1 5/16	/	/	1
38468	2 1/8	2 13/16	2 1/8	3	1 5/16	/	/	1
38476	2 3/8	3	2 1/8	3 5/16	1 1/2	/	/	1 1/16

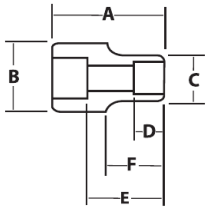
TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



38444

38430



38925 9 piece 3/4" Drive Impact Shallow 12 Point, SAE Socket Set on Clip Rails Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
38420	5/8	38426	13/16	38432	1
38422	11/16	38428	7/8	38434	1 1/16
38424	3/4	38430	15/16	38436	1 1/8



38925

38926 17 piece 3/4" Drive Impact Shallow 12 Point, SAE Socket Set on Clip Rails Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
38438	1 3/16	38446	1 7/16	38454	1 11/16	38462	1 15/16
38440	1 1/4	38448	1 1/2	38456	1 3/4	38464	2
38442	1 5/16	38450	1 9/16	38458	1 13/16	38466	2 1/16
38444	1 3/8	38452	1 5/8	38460	1 7/8	38468	2 1/8
						38476	2 3/8

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WARNING

WILLIAMS

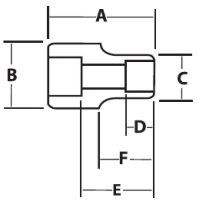
3/4" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



16-624 16-632



Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
16-624	3/4	3	1 5/8	1 1/4	9/16	2 1/32	9/16	3/4	6-1XS	6-1A / 6-2B
16-626	13/16	3	1 5/8	1 7/16	5/8	2 1/32	9/16	3/4	6-1XS	6-1A / 6-2B
16-628	7/8	3	1 5/8	1 7/16	5/8	2 1/32	5/8	3/4	6-1XS	6-1A / 6-2B
16-630	15/16	3	1 5/8	1 5/8	5/8	2 1/32	5/8	-	6-1XS	6-1A / 6-2B
16-632	1	3	1 5/8	1 5/8	11/16	2 1/32	21/32	-	6-1XS	6-1A / 6-2B
16-634	1 1/16	3	1 5/8	1 11/16	11/16	2 1/32	3/4	2 5/16	6-1XS	6-1A / 6-2B
16-636	1 1/8	3	1 5/8	1 3/4	3/4	2 1/32	13/16	2 5/16	6-1XS	6-1A / 6-2B
16-638	1 3/16	3 3/16	1 3/4	1 15/16	3/4	2 7/32	1 3/16	2 1/2	6-1XS	6-1A / 6-2C
16-640	1 1/4	3 1/4	1 3/4	1 15/16	7/8	2 9/32	1 1/4	2 9/16	6-1XS	6-1A / 6-2C
16-642	1 5/16	3 1/4	1 3/4	2	7/8	2 9/32	1 9/32	2 9/16	6-1XS	6-1A / 6-2C
16-644	1 3/8	3 1/4	1 3/4	2 1/8	7/8	2 9/32	1 3/8	2 9/16	6-1XS	6-1A / 6-2C
16-646	1 7/16	3 1/2	1 3/4	2 1/8	7/8	2 17/32	1 13/32	2 13/16	6-1XS	6-1A / 6-2C
16-648	1 1/2	3 1/2	1 3/4	2 1/4	15/16	2 17/32	1 1/2	2 13/16	6-1XS	6-1A / 6-2C
16-650	1 9/16	3 1/2	1 3/4	2 5/16	15/16	2 17/32	1 9/16	2 13/16	6-1XS	6-1A / 6-2C
16-652	1 5/8	3 1/2	1 3/4	2 7/16	15/16	2 17/32	1 5/8	2 13/16	6-1XS	6-1A / 6-2C
16-654	1 11/16	3 1/2	1 3/4	2 1/2	1	2 17/32	1 11/16	2 13/16	6-1XS	6-1A / 6-2C
16-656	1 3/4	3 1/2	1 3/4	2 1/2	1	2 17/32	1 3/4	2 13/16	6-1XS	6-1A / 6-2C
16-658	1 13/16	3 3/4	1 3/4	2 5/8	1 1/16	2 3/4	1 13/16	2 25/32	6-1XS	6-1A / 6-2C
16-660	1 7/8	3 3/4	1 3/4	2 11/16	1 1/8	2 3/4	1 7/8	2 25/32	6-1XS	6-1A / 6-2C
16-664	2	3 3/4	1 3/4	2 3/16	1 1/8	2 3/4	2	2 25/32	6-1XS	6-1A / 6-2C

Fed. Spec: ANSI B107.2

WS-16-7H 7 Piece 3/4" Drive Impact Deep 6 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
16-650	1 9/16	16-658	1 13/16
16-652	1 5/8	16-660	1 7/8
16-654	1 11/16	16-664	2
16-656	1 3/4		

WS-16-8H 8 Piece 3/4" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
16-628	7/8	16-636	1 1/8
16-630	15/16	16-640	1 1/4
16-632	1	16-642	1 5/16
16-634	1 1/16	16-648	1 1/2

Features

Made in U.S.A.

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



WS-16-8H

WILLIAMS®

3/4" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
6M-617A	17	2	1 5/8	1 5/32	17/32	1 1/32	1/2	1	6-1XS	6-1A / 6-2B
6M-619A	19	2	1 5/8	1 1/4	17/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6M-620A	20	2	1 5/8	1 3/8	35/64	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6M-622A	22	2	1 5/8	1 1/2	19/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6M-624A	24	2	1 5/8	1 35/64	11/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6M-627A	27	2	1 5/8	1 11/16	3/4	1 1/32	1 1/16	1 5/16	6-1XS	6-1A / 6-2B
6M-630	30	2 3/32	1 5/8	1 27/32	47/64	1 1/8	47/64	1 13/32	6-1XS	6-1A / 6-2B
6M-631	31	2 1/8	1 5/8	1 15/16	3/4	1 3/16	1 7/32	1 7/16	6-1XS	6-1A / 6-2B
6M-632	32	2 1/8	1 3/4	2	13/16	1 3/16	1 1/4	1 7/16	6-1XS	6-1A / 6-2C
6M-634	34	2 1/8	1 3/4	2	7/8	1 3/16	1 21/64	1 7/16	6-1XS	6-1A / 6-2C
6M-635	35	2 1/4	1 3/4	2 1/8	7/8	1 5/16	1 3/8	1 9/16	6-1XS	6-1A / 6-2C
6M-636	36	2 1/4	1 3/4	2 1/8	7/8	1 5/16	1 13/32	1 9/16	6-1XS	6-1A / 6-2C
6M-638	38	2 1/4	1 3/4	2 1/4	15/16	1 5/16	1 1/2	1 9/16	6-1XS	6-1A / 6-2C
6M-641	41	2 5/8	1 3/4	2 13/32	1 1/8	1 11/16	1 39/64	1 15/16	6-1XS	6-1A / 6-2C
6M-646	46	2 5/8	1 3/4	2 19/32	1 1/8	1 21/32	1 13/16	1 15/16	6-1XS	6-1A / 6-2C

TOOLS @ HEIGHT® DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



6M-617A

MS-6-8H 8 Piece 3/4" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
6M-619A	19	6M-627A	27	6M-636	36
6M-622A	22	6M-630	30	6M-641	41
6M-624A	24	6M-632	32		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

Made in U.S.A.



MS-6-8H

⚠WARNING

WILLIAMS®

12 M

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

3/4" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, METRIC

Black Industrial Finish



6M-1250



6M-1219

		A	B	C	D	E		F		
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
6M-1219	19	2	1 5/8	1 1/4	1/2	1	2/3	1	6-1XS	6-1A/6-2B
6M-1220	20	2	1 5/8	1 3/8	1/2	1	2/3	1	6-1XS	6-1A/6-2B
6M-1221	21	2	1 5/8	1 3/8	1/2	1	2/3	1	6-1XS	6-1A/6-2B
6M-1222	22	2	1 5/8	1 1/2	1/2	1	2/3	1	6-1XS	6-1A/6-2B
6M-1223	23	2	1 5/8	1 1/2	5/8	1	2/3	1	6-1XS	6-1A/6-2B
6M-1224	24	2	1 5/8	1 1/2	5/8	1	3/4	1	6-1XS	6-1A/6-2B
6M-1225	25	2	1 5/8	1 1/2	11/16	1	3/4	1	6-1XS	6-1A/6-2B
6M-1226	26	2	1 5/8	1 1/2	11/16	1	3/4	1	6-1XS	6-1A/6-2B
6M-1227	27	2	1 5/8	1 5/8	11/16	1	1	-	6-1XS	6-1A/6-2B
6M-1228	28	2 1/4	1 5/8	1 3/4	11/16	1 3/8	1	-	6-1XS	6-1A/6-2B
6M-1229	29	2 1/4	1 5/8	1 3/4	11/16	1 3/8	1	-	6-1XS	6-1A/6-2B
6M-1230	30	2 1/4	1 5/8	1 3/4	3/4	1 3/8	1	-	6-1XS	6-1A/6-2B
6M-1231	31	2 1/4	1 5/8	2	3/4	1 1/4	1 1/4	-	6-1XS	6-1A/6-2B
6M-1232	32	2 1/4	1 3/4	2	13/16	1 1/4	1 1/4	-	6-1XS	6-1A/6-2C
6M-1233	33	2 1/4	1 3/4	2	13/16	1 1/4	1 1/4	-	6-1XS	6-1A/6-2C
6M-1234	34	2 1/4	1 3/4	2	7/8	1 1/4	1 1/4	-	6-1XS	6-1A/6-2C
6M-1235	35	2 1/4	1 3/4	2 1/8	7/8	1 1/4	1 1/4	-	6-1XS	6-1A/6-2C
6M-1236	36	2 1/4	1 3/4	2 1/8	7/8	1 1/4	1 1/2	-	6-1XS	6-1A/6-2C
6M-1238	38	2 1/4	1 3/4	2 3/16	1	1 1/4	1 1/2	-	6-1XS	6-1A/6-2C
6M-1240	40	2 1/2	1 3/4	2 3/8	1 1/8	1 7/16	1 1/2	-	6-1XS	6-1A/6-2C
6M-1241	41	2 1/2	1 3/4	2 3/8	1 1/8	1 7/16	1 1/2	-	6-1XS	6-1A/6-2C
6M-1242	42	2 1/2	1 3/4	2 3/8	1 1/8	1 3/8	1 1/2	-	6-1XS	6-1A/6-2C
6M-1243	43	2 1/2	1 3/4	2 1/2	1 1/8	1 3/8	1 3/4	-	6-1XS	6-1A/6-2C
6M-1244	44	2 1/2	1 3/4	2 1/2	1 1/8	1 3/8	1 3/4	-	6-1XS	6-1A/6-2C
6M-1246	46	2 3/4	1 3/4	2 5/8	1 1/8	1 1/2	1 3/4	-	6-1XS	6-1A/6-2C
6M-1250	50	2 3/4	1 3/4	2 5/8	1 1/8	1 1/2	2	-	6-1XS	6-1A/6-2C

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

3/4" DRIVE ONE PIECE IMPACT HEX BIT DRIVER, SAE

Black Industrial Finish

Product Code	Hex Size (Inches)	A OAL	B Drive End Diameter	F Nose Length	Uses RET RING® Number	Use O-Ring / Pin
38216	1/2	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38218	9/16	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38220	5/8	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38224	3/4	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38226	13/16	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38228	7/8	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38232	1	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38236	1 1/8	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38240	1 1/4	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



38240

38216

38932 5 Piece 3/4" Drive Hex-Driver Impact Socket Set on Clip Rail Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
38220	5/8	38228	7/8
38224	3/4	38232	1
38226	13/16		



38932

38903 9 Piece 3/4" Drive Hex-Driver Impact Socket Set with 50085 Metal Box Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
38216	1/2	38228	7/8
38218	9/16	38232	1
38220	5/8	38236	1 1/8
38224	3/4	38240	1 1/4
38226	13/16		

Features

- One-piece design maximizes strength and reduces breakage.
- Chamfered ends provide easy engagement of the drive tool and fastener.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.



38903

⚠WARNING

WILLIAMS

3/4" DRIVE ONE PIECE IMPACT HEX BIT DRIVER, MM

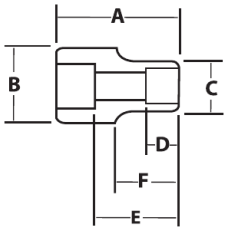
Black Industrial Finish

Product Code	Hex Size (MM)	Overall Length (Inches)	Drive End Diameter (Inches)	Nose Length	Uses RET Ring Number	use O-Ring/Pin
35810	10	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C
35812	12	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C
35814	14	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C
35817	17	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C
35819	19	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C
35821	21	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C
35824	24	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C
35827	27	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C
35830	30	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C
35832	32	3 ½	1 ¾	¾	6-1XS	6-1A/6-2C

Fed. Spec: ANSI B107.2

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



38936 10 Piece 3/4" Drive One Piece Impact Hex Bit Drivers, MM

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35810	10	35819	19	35830	30
35812	12	35821	21	35832	32
35814	14	35824	24		
35817	17	35827	27		



35812

35830



38936

27 PIECE 1" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSX-28TB	27 Piece Tool Set with TB-12 Metal Tool Box
WSX-28	27 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
X-20	20" Sliding T-Handle/Head
X-41C	34 3/16" Flex Handle
X-51B	20" Ratchet
X-110	8" Extension
X-115	16" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1234	1 1/16
X-1236	1 1/8
X-1240	1 1/4
X-1242	1 5/16
X-1244	1 3/8
X-1246	1 7/16
X-1248	1 1/2

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1252	1 5/8
X-1258	1 13/16
X-1260	1 7/8
X-1264	2
X-1268	2 1/8
X-1270	2 3/16
X-1272	2 1/4
X-1276	2 3/8
X-1280	2 1/2
X-1282	2 9/16
X-1284	2 5/8
X-1288	2 3/4
X-1294	2 15/16
X-1296	3
X-12100	3 1/8

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSX-28TB

19 PIECE 1" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSX-21TB	19 Piece Tool Set with TB-12 Metal Tool Box
WSX-21	19 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
X-20	20" Sliding T-Handle / Head
X-41C	34 3/16" Flex Handle
X-51B	20" Ratchet
X-110	8" Extension
X-115	16" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1248	1 1/2
X-1252	1 5/8
X-1258	1 13/16

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1260	1 7/8
X-1264	2
X-1270	2 3/16
X-1272	2 1/4
X-1276	2 3/8
X-1280	2 1/2
X-1282	2 9/16
X-1284	2 5/8
X-1288	2 3/4
X-1294	2 15/16
X-1296	3

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSX-21TB

WARNING



WSX-20TB

WILLIAMS®

19 PIECE 1" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSX-20TB	19 Piece Tool Set with TB-12 Metal Tool Box
WSX-20	19 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
X-20	20" Sliding T-Handle/Head
X-41C	34 3/16" Flex Handle
X-51B	20" Ratchet
X-110	8" Extension
X-115	16" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1234	1 1/16
X-1236	1 1/8
X-1240	1 1/4

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1242	1 5/16
X-1244	1 3/8
X-1246	1 7/16
X-1248	1 1/2
X-1252	1 5/8
X-1258	1 13/16
X-1260	1 7/8
X-1264	2
X-1270	2 3/16
X-1272	2 1/4
X-1276	2 3/8

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.


X-51B

WILLIAMS®

1" DRIVE RATCHETS

Integrated Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
X-51B	Chrome Ratchet	20 1/8	24
X-52EHRK	Repair Kit for X-51B		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 24 tooth gear with 15 degree of engagement allows engagement in tight working areas.
- Chrome finish with mirror-like exterior can be easily cleaned after each use.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.
- Spring and plunger socket retention.

WILLIAMS®

1" DRIVE REMOVABLE-HANDLE RATCHETS

Knurled Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
Complete Ratchet			
X-52A1	Ratchet with 36" Handle	41	24
Components			
X-52	Ratchet Head Only	7 13/16	24
X-52H36	Handle Only	36	24
X-52EHRK	Repair Kit		

Note: Head Bore and Handle End Diameter: 1-7/64"
Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- 24 teeth action provides an 15° ratcheting angle.
- Shift lever reverses action instantly.
- Dual socket retention, with both ball and plunger on male drive for versatility.
- Removable handle makes the tool more versatile, and storage easier.
- Knurled handle provides a non-slip grip.
- Chrome finish models provides increased protection from rust and corrosion.
- Our most rugged, high torque capacity ratchet.



X-52



X-52A1

X-52H36

WILLIAMS®

1" DRIVE HANDLES

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Finish
X-41C	Flex Handle Breaker Bar, Knurled Grip	34 3/16	Chrome
X-41CB	Flex Handle Breaker Bar, Knurled Grip	34 3/16	Black Industrial
X-20	Sliding T-Handle	20	Chrome
Sliding T-Handle Components			
X-20B	Handle	20	Chrome
X-20C	Sliding Head	1 15/16	Chrome

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Square drive slides on T-Handles for versatility.
- Flex handle flex drive swivels 110° in either direction.
- Spring and plunger socket retention.



X-41C

X-41CB

X-20

WILLIAMS®

1" DRIVE EXTENSIONS

Chrome Finish

Product Code	Length (Inches)
X-110	8
X-115	16

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.
- Hole in wall of drive end accommodates plunger for firm tool retention.



X-110



X-115

⚠WARNING

WILLIAMS®

12 F

1" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish



X-1234 X-1244

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
X-1234	1 1/16	2 1/4	2	1 5/8	3/4	1 1/16	13/16	7/8
X-1236	1 1/8	2 1/4	2	1 3/4	3/4	1 1/16	13/16	7/8
X-1240	1 1/4	2 3/8	2	1 7/8	3/4	1 1/8	13/16	7/8
X-1242	1 5/16	2 1/2	2	2 1/16	13/16	1 9/32	15/16	1 9/16
X-1244	1 3/8	2 1/2	2	2 1/8	7/8	1 11/32	1 13/32	1 9/16
X-1246	1 7/16	2 3/4	2	2 3/16	1	1 15/32	1 1/2	1 11/16
X-1248	1 1/2	2 3/4	2	2 1/4	1	1 19/32	1 9/16	1 13/16
X-1252	1 5/8	2 7/8	2	2 3/8	1 1/8	1 3/4	1 11/16	1 15/16
X-1254	1 11/16	2 7/8	2	2 3/8	1 3/16	1 9/16	1 3/4	1 15/16
X-1256	1 3/4	3	2	2 9/16	1 1/4	1 27/32	1 13/16	2 1/16
X-1258	1 13/16	3 1/8	2 1/8	2 5/8	1 1/4	1 31/32	1 7/16	2 3/16
X-1260	1 7/8	3 1/4	2 1/8	2 3/4	1 7/16	2 3/32	1 7/16	2 5/16
X-1264	2	3 3/8	2 1/8	2 15/16	1 1/2	2 1/4	1 7/16	2 7/16
X-1268	2 1/8	3 1/2	2 1/4	3 1/8	1 1/2	2 11/32	1 7/16	2 9/16
X-1270	2 3/16	3 5/8	2 1/4	3 1/8	1 17/32	2 15/32	2 1/4	2 11/16
X-1272	2 1/4	3 3/4	2 1/4	3 1/4	1 5/8	2 5/8	2 11/32	2 23/32
X-1276	2 3/8	3 7/8	2 1/4	3 3/8	1 5/8	2 3/4	2 3/8	2 13/16
X-1280	2 1/2	4 1/8	2 1/4	3 1/2	1 3/4	2 31/32	2 1/2	3 1/16
X-1282	2 9/16	4 1/8	2 1/4	3 9/16	1 13/16	2 31/32	2 9/16	3 3/16
X-1284	2 5/8	4 1/4	2 1/4	3 5/8	1 7/8	3 3/32	2 5/8	3 1/8
X-1288	2 3/4	4 1/2	2 1/4	3 3/4	2	3 3/8	2 3/4	3 9/16
X-1294	2 15/16	4 27/32	2 1/4	4	2 1/8	3 23/32	2 15/16	3 25/32
X-1296	3	4 7/8	2 1/4	4 1/8	2 1/8	3 3/4	3	3 27/32
X-12100	3 1/8	4 31/32	2 1/4	4 1/4	2 1/8	3 27/32	3 1/8	3 29/32

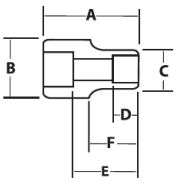


WSX-17

Fed. Spec: ANSI B107.1

WSX-17 17 Piece 1" Drive Shallow 12-Point Socket Set

Contents Include:



Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
X-1234	1 1/16	X-1248	1 1/2	X-1264	2
X-1236	1 1/8	X-1252	1 5/8	X-1268	2 1/8
X-1240	1 1/4	X-1254	1 11/16	X-1270	2 3/16
X-1242	1 5/16	X-1256	1 3/4	X-1272	2 1/4
X-1244	1 3/8	X-1258	1 13/16	X-1276	2 3/8
X-1246	1 7/16	X-1260	1 7/8		

Features

Made in U.S.A.

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS®

1" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish



7-107



7-140B



7-8

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
7-107	Impact Extension	7 1/4	7-2XS	7-1B / 7-2D	Through Hole and Pin
7-113	Impact Extension	13	7-2XS	7-1B / 7-2D	Through Hole and Pin
7-140B	Impact Universal Joint	4 1/2	7-3XS	7-1B / 7-2D	Through Hole and Pin
7-6	3/4"M x 1"F Adapter	3	7-2XS	7-1B / 7-2D	Through Hole and Pin
7-8	1 1/2"M x 1"F Adapter	3 3/8	7-2XS	7-1B / 7-2D	Through Hole and Pin

Fed. Spec: ANSI B107.2

Features

Made in U.S.A.

- Specially heat treated for impact use to provide long life, safety, and durability.
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience.
- Universal joint provides 55° range of motion.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.

1" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
39003	Impact Extension	7	7-2XS	7-1B / 7-2D	Through Hole and Pin
39004	Impact Extension	13	7-2XS	7-1B / 7-2D	Through Hole and Pin
39002	Impact Universal Joint	4 ½	7-3XS	7-1B / 7-2D	Through Hole and Pin
39005	3/4"M X 1"F Adapter	3	7-2XS	7-1B / 7-2D	Through Hole and Pin
39006	1-1/2"M X 1"F Adapter	3 ⅜	7-2XS	7-1B / 7-2D	Through Hole and Pin

Fed. Spec: ANSI B107.2

Features
- Specially heat treated for impact use to provide long life, safety, and durability
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience
- Universal joint provides 55° range of motion
- Suitable for use with pneumatic and electric impact wrenches
- Drive end features pin retention hole and groove



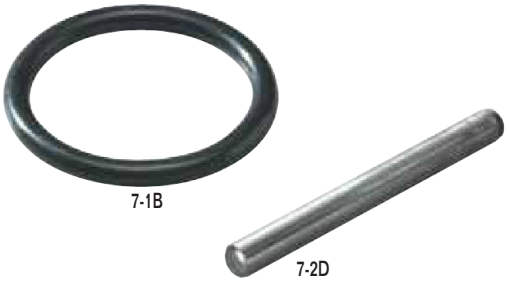
1" DRIVE IMPACT RETAINING PINS AND RINGS

Black Industrial Finish

Product Code	Description	Diameter	Length	Application
7-1B	Impact Retaining O-Ring	2	NA	Fits Williams Impact Tools with "B" Dimension to 2 3/8"
7-2D	Impact Retaining Pin	3/16	1 ¾	Fits Williams Impact Tools with "B" Dimension to 2 3/8"
7-1C	Impact Retaining O-Ring	3 ¼	NA	Fits Williams Impact Tools with "B" Dimension of 3 1/4"
7-2F	Impact Retaining Pin	3/16	2 ⅞	Fits Williams Impact Tools with "B" Dimension of 3 1/4"

Features
- Specially heat treated for impact use to provide long life, safety, and durability.
- Suitable for use with pneumatic and electric impact wrenches.
- For 1" Drive impact tools with pin retention hole and groove.

Made in U.S.A.



1" DRIVE RET RING® ONE-PIECE IMPACT RETAINING RINGS WITH CRUSH GAUGE

Product Code	Groove Diameter (Inches)	Application
7-1XS	1 ¾	Fits Competitive Impact Sockets
7-2XS	2	Fits Williams 1" Drive Tools with "B" Dimension of 2 ⅛" and 2 ¼"
7-3XS	2 ⅛	Fits Williams 1" Drive Tools with "B" Dimension of 2 ⅜"
7-4XS	2 ¼	Fits Competitive Impact Sockets
7-5XS	2 ½	Fits Competitive Impact Sockets
7-6XS	2 ⅝	Fits Competitive Impact Sockets

Features
- Fits all Williams 1" Drive Sockets and Accessories
- Crush Gage on the resin pin indicates when a socket is excessively worn and should be replaced.
- Securely retains sockets and accessories to square drive of impact wrench
- For 1" drive impact tools with pin retention hole and groove
- Made of oil resistant material
- RET RING® is a trademark of FTL Enterprises, Inc.

Made in U.S.A.



1" DRIVE BUDD® WHEEL IMPACT SOCKET, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E	
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)
17-648BW	13/16 Square / 1 ½ Hex	4	1 ¾	2 ¼	1 7/16	2 ¼	1 ¼

Fed. Spec: ANSI B107.2

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 13/16" square opening threads stud into wheel.
- 1-1/2" hex opening engages and tightens the wheel lug nut.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



⚠WARNING

WILLIAMS®

6 F

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



39654

1" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
39624	3/4	2 1/8	2 1/8	1 7/16	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
39626	13/16	2 1/8	2 1/8	1 7/16	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
39628	7/8	2 1/8	2 1/8	1 1/2	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
39630	15/16	2 1/8	2 1/8	1 19/32	5/8	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
39632	1	2 1/4	2 1/8	1 11/16	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
39634	1 1/16	2 1/4	2 1/8	1 3/4	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
39636	1 1/8	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
39638	1 3/16	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
39640	1 1/4	2 3/8	2 1/8	2	3/4	1 3/16	15/16	7/8	7-2XS	7-1B / 7-2D
39642	1 5/16	2 1/2	2 1/8	2 1/16	7/8	1 5/16	1	1	7-2XS	7-1B / 7-2D
39644	1 3/8	2 1/2	2 1/8	2 1/8	7/8	1 5/16	1 3/8	-	7-2XS	7-1B / 7-2D
39646	1 7/16	2 1/2	2 1/4	2 1/4	29/32	1 5/16	1 7/16	-	7-2XS	7-1B / 7-2D
39648	1 1/2	2 5/8	2 1/4	2 11/32	15/16	1 15/32	1 1/2	1 5/8	7-2XS	7-1B / 7-2D
39650	1 9/16	2 5/8	2 1/4	2 3/8	15/16	1 7/16	1 9/16	1 5/8	7-2XS	7-1B / 7-2D
39652	1 5/8	2 3/4	2 1/4	2 3/8	1 1/16	1 5/8	1 19/32	1 3/4	7-2XS	7-1B / 7-2D
39654	1 11/16	2 3/4	2 3/8	2 19/32	1 1/16	1 5/8	1 7/32	1 3/4	7-3XS	7-1B / 7-2D
39656	1 3/4	2 7/8	2 3/8	2 5/8	1 5/32	1 23/32	1 7/16	1 7/8	7-3XS	7-1B / 7-2D
39658	1 13/16	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 13/16	1 15/16	7-3XS	7-1B / 7-2D
39660	1 7/8	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 7/16	1 15/16	7-3XS	7-1B / 7-2D
39662	1 15/16	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 3/8	1 15/16	7-3XS	7-1B / 7-2D
39664	2	3 1/8	2 3/8	3	1 9/32	1 31/32	1 13/32	2 1/8	7-3XS	7-1B / 7-2D
39666	2 1/16	3 1/8	2 3/8	3	1 9/32	1 31/32	1 1/2	2 1/8	7-3XS	7-1B / 7-2D
39668	2 1/8	3 1/4	2 3/8	3 1/8	1 9/32	1 31/32	1 5/8	2 1/4	7-3XS	7-1B / 7-2D
39670	2 3/16	3 5/16	2 3/8	3 1/4	1 7/16	2 5/32	1 5/8	2 5/16	7-3XS	7-1B / 7-2D
39672	2 1/4	3 5/16	2 3/8	3 1/4	1 7/16	2 5/32	1 5/8	2 5/16	7-3XS	7-1B / 7-2D
39674	2 5/16	3 1/2	2 3/8	3 3/8	1 1/2	2 5/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
39676	2 3/8	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
39678	2 7/16	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
39680	2 1/2	3 5/8	2 3/8	3 1/2	1 5/8	2 15/32	2 1/2	2 5/8	7-3XS	7-1B / 7-2D
39682	2 9/16	3 5/8	2 3/8	3 5/8	1 5/8	2 15/32	2 9/16	2 5/8	7-3XS	7-1B / 7-2D
39684	2 5/8	3 5/8	2 3/8	3 3/4	1 5/8	2 5/16	1 7/8	2 5/8	7-3XS	7-1B / 7-2D
39686	2 11/16	3 7/8	2 3/8	3 3/4	1 13/16	2 15/32	2	2 7/8	7-3XS	7-1B / 7-2D
39688	2 3/4	3 7/8	2 3/8	3 3/4	1 13/16	2 21/32	2 3/4	2 7/8	7-3XS	7-1B / 7-2D
39690	2 13/16	4	2 3/8	4	1 13/16	2 11/16	2	3	7-3XS	7-1B / 7-2D
39692	2 7/8	4	2 3/8	4	1 13/16	2 11/16	2	3	7-3XS	7-1B / 7-2D
39694	2 15/16	4 3/16	2 3/8	4 1/8	2 1/32	2 11/16	2 15/16	3 1/8	7-3XS	7-1B / 7-2D
39696	3	4 3/8	2 3/8	4 1/4	2 1/16	3 5/16	2 3/8	3 3/8	7-3XS	7-1B / 7-2D

Fed. Spec: ANSI B107.2

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

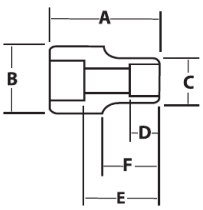
Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS®

6 M



7M-650



1" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
7M-627	27	2 1/4	2 1/8	1 3/4	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
7M-630	30	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
7M-632	32	2 3/8	2 1/8	2	3/4	1 3/16	15/16	7/8	7-2XS	7-1B / 7-2D
7M-635	35	2 1/2	2 1/8	2 1/8	7/8	1 5/16	1 3/8	-	7-2XS	7-1B / 7-2D
7M-638	38	2 5/8	2 1/4	2 11/32	15/16	1 15/32	1 1/2	1 5/8	7-2XS	7-1B / 7-2D
7M-641	41	2 3/4	2 1/4	2 3/8	1 1/16	1 5/8	1 19/32	1 3/4	7-2XS	7-1B / 7-2D
7M-646	46	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 13/16	1 15/16	7-3XS	7-1B / 7-2D
7M-650	50	3	2 3/8	2 3/4	1 1/4	1 27/32	1 61/64	2	7-3XS	7-1B / 7-2D
7M-660	60	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
7M-665	65	3 5/8	2 3/8	3 5/8	1 5/8	2 1/8	2 1/4	2 5/8	7-3XS	7-1B / 7-2D
7M-670	70	3 7/8	2 3/8	3 3/4	1 13/16	2 21/32	2 3/4	2 7/8	7-3XS	7-1B / 7-2D
7M-675	75	4 3/16	2 3/8	4 1/8	2 1/32	2 11/16	2 15/16	3 1/8	7-3XS	7-1B / 7-2D

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.
- Dual marked with corresponding SAE size.

USA Made in U.S.A.

WILLIAMS®

1" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F		
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
7-624	3/4	2 1/8	2 1/8	1 7/16	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-626	13/16	2 1/8	2 1/8	1 7/16	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-628	7/8	2 1/8	2 1/8	1 1/2	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-630	15/16	2 1/8	2 1/8	1 19/32	5/8	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-632	1	2 1/4	2 1/8	1 11/16	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-634	1 1/16	2 1/4	2 1/8	1 3/4	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-636	1 1/8	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
7-638	1 3/16	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
7-640	1 1/4	2 3/8	2 1/8	2	3/4	1 3/16	15/16	7/8	7-2XS	7-1B / 7-2D
7-642	1 5/16	2 1/2	2 1/8	2 1/16	7/8	1 5/16	1	1	7-2XS	7-1B / 7-2D
7-644	1 3/8	2 1/2	2 1/8	2 1/8	7/8	1 5/16	1 3/8	-	7-2XS	7-1B / 7-2D
7-646	1 7/16	2 1/2	2 1/4	2 1/4	29/32	1 5/16	1 7/16	-	7-2XS	7-1B / 7-2D
7-648	1 1/2	2 5/8	2 1/4	2 11/32	15/16	1 15/32	1 1/2	1 5/8	7-2XS	7-1B / 7-2D
7-650	1 9/16	2 5/8	2 1/4	2 3/8	15/16	1 7/16	1 9/16	1 5/8	7-2XS	7-1B / 7-2D
7-652	1 5/8	2 3/4	2 1/4	2 3/8	1 1/16	1 5/8	1 19/32	1 3/4	7-2XS	7-1B / 7-2D
7-654	1 11/16	2 3/4	2 3/8	2 19/32	1 1/16	1 5/8	1 7/32	1 3/4	7-3XS	7-1B / 7-2D
7-656	1 3/4	2 7/8	2 3/8	2 5/8	1 5/32	1 23/32	1 7/16	1 7/8	7-3XS	7-1B / 7-2D
7-658	1 13/16	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 13/16	1 15/16	7-3XS	7-1B / 7-2D
7-660	1 7/8	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 7/16	1 15/16	7-3XS	7-1B / 7-2D
7-662	1 15/16	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 3/8	1 15/16	7-3XS	7-1B / 7-2D
7-664	2	3 1/8	2 3/8	3	1 9/32	1 31/32	1 13/32	2 1/8	7-3XS	7-1B / 7-2D
7-666	2 1/16	3 1/8	2 3/8	3	1 9/32	1 31/32	1 1/2	2 1/8	7-3XS	7-1B / 7-2D
7-668	2 1/8	3 1/4	2 3/8	3 1/8	1 9/32	1 31/32	1 5/8	2 1/4	7-3XS	7-1B / 7-2D
7-670	2 3/16	3 5/16	2 3/8	3 1/4	1 7/16	2 5/32	1 5/8	2 5/16	7-3XS	7-1B / 7-2D
7-672	2 1/4	3 5/16	2 3/8	3 1/4	1 7/16	2 5/32	1 5/8	2 5/16	7-3XS	7-1B / 7-2D
7-674	2 5/16	3 1/2	2 3/8	3 3/8	1 1/2	2 5/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
7-676	2 3/8	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
7-678	2 7/16	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
7-680	2 1/2	3 5/8	2 3/8	3 1/2	1 5/8	2 15/32	2 1/2	2 5/8	7-3XS	7-1B / 7-2D
7-682	2 9/16	3 5/8	2 3/8	3 5/8	1 5/8	2 15/32	2 9/16	2 5/8	7-3XS	7-1B / 7-2D
7-684	2 5/8	3 5/8	2 3/8	3 3/4	1 5/8	2 5/16	1 7/8	2 5/8	7-3XS	7-1B / 7-2D
7-686	2 11/16	3 7/8	2 3/8	3 3/4	1 13/16	2 15/32	2	2 7/8	7-3XS	7-1B / 7-2D
7-688	2 3/4	3 7/8	2 3/8	3 3/4	1 13/16	2 21/32	2 3/4	2 7/8	7-3XS	7-1B / 7-2D
7-690	2 13/16	4	2 3/8	4	1 13/16	2 11/16	2	3	7-3XS	7-1B / 7-2D
7-692	2 7/8	4	2 3/8	4	1 13/16	2 11/16	2	3	7-3XS	7-1B / 7-2D
7-694	2 15/16	4 3/16	2 3/8	4 1/8	2 1/32	2 11/16	2 15/16	3 1/8	7-3XS	7-1B / 7-2D
7-696	3	4 3/8	2 3/8	4 1/4	2 1/16	3 5/16	2 3/8	3 3/8	7-3XS	7-1B / 7-2D
7-6100	3 1/8	4 3/8	2 3/8	4 1/4	2 1/16	3 5/16	2 3/8	3 3/8	7-3XS	7-1B / 7-2D
7-6104	3 1/4	4 3/8	2 3/8	4 1/2	2 1/16	3 1/32	2 3/8	3 3/8	7-3XS	7-1B / 7-2D
7-6108	3 3/8	4 23/32	2 3/8	4 5/8	2 1/4	3 5/16	2 1/2	2 39/64	7-3XS	7-1B / 7-2D
7-6112	3 1/2	4 3/4	2 3/8	4 3/4	2 1/4	3 11/32	2 1/2	2 5/8	7-3XS	7-1B / 7-2D
7-6116	3 5/8	4 3/4	2 3/8	5	2 5/16	3 11/32	2 5/8	2 19/32	7-3XS	7-1B / 7-2D
7-6118	3 11/16	4 3/4	2 3/8	5 5/16	2 7/16	3 13/32	2 3/4	2 15/16	7-3XS	7-1B / 7-2D
7-6120	3 3/4	5 1/16	2 3/8	5 1/8	2 3/8	3 21/64	2 5/8	3 5/32	7-3XS	7-1B / 7-2D
7-6122	3 13/16	5 3/16	2 3/8	5 3/8	2 17/32	3 9/16	2 5/8	3 23/64	7-3XS	7-1B / 7-2D
7-6124	3 7/8	5 1/4	2 3/8	5 1/4	2 9/16	3 25/32	2 3/4	3 1/8	7-3XS	7-1B / 7-2D
7-6126	3 15/16	5 5/16	2 3/8	5 11/32	2 9/16	3 25/32	3	3 3/16	7-3XS	7-1B / 7-2D
7-6128	4	5 3/8	2 3/8	5 1/2	2 9/16	3 25/32	2 7/8	3 15/64	7-3XS	7-1B / 7-2D
7-6130	4 1/16	5 3/8	2 3/8	5 1/2	2 15/32	2 19/32	3	3 33/64	7-3XS	7-1B / 7-2D
7-6132	4 1/8	5 3/8	2 3/8	5 9/16	2 9/16	3 25/32	2 7/8	3 7/32	7-3XS	7-1B / 7-2D
7-6134	4 3/16	5 1/2	2 3/8	6	2 33/64	3 55/64	3	3 41/64	7-3XS	7-1B / 7-2D
7-6136	4 1/4	5 1/2	2 3/8	5 3/4	2 5/8	3 25/32	3 1/8	3 5/16	7-3XS	7-1B / 7-2D
7-6138	4 5/16	5 1/2	2 3/8	5 13/16	2 21/32	3 25/32	3 3/8	3 5/16	7-3XS	7-1B / 7-2D
7-6140	4 3/8	5 5/8	2 3/8	5 27/32	2 5/8	3 25/32	3 1/8	3 39/64	7-3XS	7-1B / 7-2D
7-6142	4 7/16	5 5/8	2 3/8	6	2 43/64	3 25/32	2 5/8	3 19/32	7-3XS	7-1B / 7-2D
7-6144	4 1/2	5 5/8	2 3/8	6	2 5/8	3 25/32	3 1/8	3 13/32	7-3XS	7-1B / 7-2D
7-6146	4 9/16	5 5/8	3 1/4	6 1/2	2 3/4	3 1/2	3 3/8	3 17/32	8-1XS	7-1C - 7-2F
7-6148	4 5/8	5 3/4	3 1/4	6 13/32	3 1/16	3 25/32	3 1/8	3 25/32	8-1XS	7-1C - 7-2F
7-6152	4 3/4	5 3/4	3 1/4	6 5/8	2 57/64	3 29/32	3 1/2	3 23/32	8-1XS	7-1C - 7-2F
7-6156	4 7/8	6	3 1/4	7	3	3 29/32	3 1/2	3 31/32	8-1XS	7-1C - 7-2F
7-6160	5	6 1/4	3 1/4	7	3	4 3/16	3 1/2	4 7/32	8-1XS	7-1C - 7-2F
7-6172	5 3/8	6 1/2	3 1/4	7 1/2	3 9/16	4 5/16	4 43/64	4 1/4	8-1XS	7-1C - 7-2F
7-6184	5 3/4	6 1/2	3 1/4	8 1/4	3 9/16	4 17/32	4	4 9/32	8-1XS	7-1C - 7-2F

Fed. Spec: ANSI B107.2

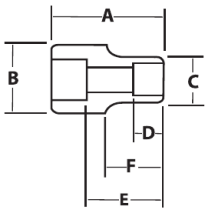
Made in U.S.A.

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



7-654



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WARNING

WILLIAMS®

12 F

1 " DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



7-1296

		A	B	C	D	E		F		
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
7-1224	3/4"	2	2 1/8	1 3/8	1/2	7/8	3/4	3/4	7-2XS	7-1B/7-2D
7-1226	13/16"	2 1/4	2 1/8	1 3/8	5/8	1 1/8	3/4	1	7-2XS	7-1B/7-2D
7-1228	7/8"	2 1/4	2 1/8	1 1/2	5/8	1 1/8	3/4	1	7-2XS	7-1B/7-2D
7-1230	15/16"	2 1/4	2 1/8	1 5/8	2/3	1 1/8	1	1	7-2XS	7-1B/7-2D
7-1232	1"	2 1/4	2 1/8	1 5/8	2/3	1 1/8	1	1	7-2XS	7-1B/7-2D
7-1234	1 1/16"	2 1/2	2 1/8	1 3/4	3/4	1 1/3	1	1 1/4	7-2XS	7-1B/7-2D
7-1236	1 1/8"	2 1/2	2 1/8	1 3/4	3/4	1 1/3	1	1 1/4	7-2XS	7-1B/7-2D
7-1238	1 3/16"	2 1/2	2 1/8	1 7/8	3/4	1 1/3	1 1/4	1 1/4	7-2XS	7-1B/7-2D
7-1240	1 1/4"	2 1/2	2 1/8	2	3/4	1 1/3	1 1/4	1 1/4	7-2XS	7-1B/7-2D
7-1242	1 5/16"	2 3/4	2 1/8	2 1/8	7/8	1 5/8	1 1/4	-	7-2XS	7-1B/7-2D
7-1244	1 3/8"	2 3/4	2 1/8	2 1/8	7/8	1 5/8	1 1/3	-	7-2XS	7-1B/7-2D
7-1246	1 7/16"	2 3/4	2 1/8	2 1/8	1	1 5/8	1 7/16	-	7-2XS	7-1B/7-2D
7-1248	1 1/2"	2 3/4	2 1/4	2 3/8	1	1 5/8	1 7/16	-	7-2XS	7-1B/7-2D
7-1250	1 9/16"	2 3/4	2 1/4	2 3/8	1	1 5/8	1 7/16	-	7-2XS	7-1B/7-2D
7-1252	1 5/8"	2 3/4	2 1/4	2 3/8	1 1/8	1 5/8	1 9/16	-	7-2XS	7-1B/7-2D
7-1254	1 11/16"	2 3/4	2 1/4	2 5/8	1 1/8	1 5/8	1 7/16	-	7-2XS	7-1B/7-2D
7-1256	1 3/4"	3	2 1/4	2 5/8	1 1/4	1 7/8	1 7/16	-	7-2XS	7-1B/7-2D
7-1258	1 13/16"	3	2 1/4	2 5/8	1 1/8	1 7/8	1 7/16	-	7-2XS	7-1B/7-2D
7-1260	1 7/8"	3	2 1/4	2 3/4	1 1/4	1 7/8	1 7/16	-	7-2XS	7-1B/7-2D
7-1262	1 15/16"	3 1/4	2 1/4	2 7/8	1	2	1 7/8	-	7-2XS	7-1B/7-2D
7-1264	2"	3 1/4	2 1/4	2 7/8	1 1/3	2	2	-	7-2XS	7-1B/7-2D
7-1266	2 1/16"	3 1/2	2 1/4	3	1 1/3	2 1/8	2	-	7-2XS	7-1B/7-2D
7-1268	2 1/8"	3 1/2	2 1/4	3	1 1/3	2 1/8	2	-	7-2XS	7-1B/7-2D
7-1270	2 3/16"	3 1/2	2 3/8	3 1/8	1 1/2	2 1/8	2 1/8	-	7-3XS	7-1B/7-2D
7-1272	2 1/4"	3 1/2	2 3/8	3 1/4	1 1/2	2 1/8	2 1/4	-	7-3XS	7-1B/7-2D
7-1274	2 5/16"	3 3/4	2 3/8	3 1/4	1 1/2	2 3/8	2 1/4	-	7-3XS	7-1B/7-2D
7-1276	2 3/8"	3 3/4	2 3/8	3 3/8	1 1/2	2 3/8	2 1/3	-	7-3XS	7-1B/7-2D
7-1278	2 7/16"	3 3/4	2 3/8	3 1/2	1 1/2	2 1/4	2 1/2	-	7-3XS	7-1B/7-2D
7-1280	2 1/2"	3 3/4	2 3/8	3 1/2	1 1/2	2 1/4	2 1/2	-	7-3XS	7-1B/7-2D
7-1282	2 9/16"	4	2 3/8	3 5/8	1 1/2	2 1/2	2 1/2	-	7-3XS	7-1B/7-2D
7-1284	2 5/8"	4	2 3/8	3 5/8	1 1/2	2 1/2	2 1/2	-	7-3XS	7-1B/7-2D
7-1286	2 11/16"	4	2 3/8	3 3/4	1 3/4	2 1/2	2 2/3	-	7-3XS	7-1B/7-2D
7-1288	2 3/4"	4 1/4	2 3/8	3 7/8	1 3/4	2 3/4	2 3/4	-	7-3XS	7-1B/7-2D
7-1290	2 13/16"	4 1/4	2 3/8	3 7/8	1 3/4	2 11/16	2 3/4	-	7-3XS	7-1B/7-2D
7-1292	2 7/8"	4 1/4	2 3/8	4	1 3/4	2 11/16	2 3/4	-	7-3XS	7-1B/7-2D
7-1294	2 15/16"	4 1/4	2 3/8	4 1/8	1 3/4	2 5/8	3	-	7-3XS	7-1B/7-2D
7-1296	3"	4 1/4	2 3/8	4 1/8	1 3/4	2 5/8	3	-	7-3XS	7-1B/7-2D
7-1298	3 1/16"	4 1/2	2 3/8	4 1/4	2	2 7/8	3	-	7-3XS	7-1B/7-2D
7-12100	3 1/8"	4 1/2	2 3/8	4 1/4	2	2 7/8	3	-	7-3XS	7-1B/7-2D
7-12104	3 1/4"	4 1/2	2 3/8	4 1/2	2	2 13/16	3 1/4	-	7-3XS	7-1B/7-2D
7-12108	3 3/8"	5	2 3/8	4 5/8	2 1/4	3 1/4	3 1/4	-	7-3XS	7-1B/7-2D
7-12112	3 1/2"	5	2 3/8	5	2 1/4	3 1/4	3 1/2	-	7-3XS	7-1B/7-2D
7-12116	3 5/8"	5	2 3/8	4 7/8	2 1/4	3 3/16	3 5/8	-	7-3XS	7-1B/7-2D
7-12120	3 3/4"	5	2 3/8	5 1/8	2 1/4	3 3/16	3 3/4	-	7-3XS	7-1B/7-2D
7-12124	3 7/8"	5 1/2	2 3/8	5 1/4	2 1/2	3 5/8	3 7/8	-	7-3XS	7-1B/7-2D
7-12128	4"	5 1/2	2 3/8	5 3/8	2 1/2	3 5/8	4	-	7-3XS	7-1B/7-2D
7-12132	4 1/8"	5 1/2	2 3/8	5 1/2	2 1/2	3 1/2	4	-	7-3XS	7-1B/7-2D
7-12136	4 1/4"	5 1/2	2 3/8	5 3/4	2 1/2	3 1/2	4 1/4	-	7-3XS	7-1B/7-2D
7-12144	4 1/2"	5 3/4	2 3/8	6	2 1/2	3 2/3	4 1/2	-	7-3XS	7-1B/7-2D

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

1" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
17-632	1	3	2 1/8	1 19/32	3/4	1 13/16	1 1/16	7/8	7-2XS	7-1B / 7-2D
17-634	1 1/16	3 3/4	2 1/8	1 3/4	1 23/32	2 19/32	3/4	7/8	7-2XS	7-1B / 7-2D
17-636	1 1/8	3 3/4	2 1/8	1 13/16	1 25/32	2 19/32	7/8	7/8	7-2XS	7-1B / 7-2D
17-638	1 3/16	3	2 1/8	1 13/16	3/4	1 13/16	13/16	7/8	7-2XS	7-1B / 7-2D
17-640	1 1/4	3 3/4	2 1/8	1 31/32	1 15/16	2 19/32	7/8	1	7-2XS	7-1B / 7-2D
17-642	1 5/16	3 3/4	2 1/8	2 1/16	2 1/32	2 27/32	1	1	7-2XS	7-1B / 7-2D
17-644	1 3/8	4	2 1/8	2 1/16	2 1/8	2 27/32	1	1	7-2XS	7-1B / 7-2D
17-646	1 7/16	4	2 1/8	2 1/4	2 3/16	2 27/32	1	2 1/4	7-2XS	7-1B / 7-2D
17-648	1 1/2	4	2 1/4	2 3/8	2 1/4	2 27/32	1 1/8	2 1/2	7-2XS	7-1B / 7-2D
17-650	1 9/16	3 1/2	2 1/4	2 3/8	1	2 11/32	1 17/32	2 1/2	7-2XS	7-1B / 7-2D
17-652	1 5/8	3 5/8	2 1/4	2 7/16	2 13/32	3 3/32	1 1/8	2 5/8	7-2XS	7-1B / 7-2D
17-654	1 11/16	4 1/4	2 1/4	2 17/32	2 1/2	3 3/32	1 1/4	2 5/8	7-3XS	7-1B / 7-2D
17-656	1 3/4	4 1/4	2 1/4	2 19/32	2 9/16	3 1/32	1 1/4	2 7/8	7-3XS	7-1B / 7-2D
17-658	1 13/16	4 1/2	2 1/4	2 11/16	2 21/32	3 9/32	1 1/4	2 7/8	7-3XS	7-1B / 7-2D
17-660	1 7/8	4 1/2	2 1/4	2 3/4	2 3/4	3 1/4	1 3/8	2 7/8	7-3XS	7-1B / 7-2D
17-662	1 15/16	4 1/2	2 1/4	2 27/32	2 13/16	3 1/4	1 3/8	3 1/8	7-3XS	7-1B / 7-2D
17-664	2	4 1/2	2 1/4	2 29/32	2 7/8	3 7/32	1 3/8	3 1/8	7-3XS	7-1B / 7-2D
17-666	2 1/16	4 3/4	2 1/4	3	2 31/32	3 15/32	1 1/2	3 1/8	7-3XS	7-1B / 7-2D
17-668	2 1/8	4 3/8	2 3/8	3 1/4	1 5/16	3 3/16	1 5/8	3 3/8	7-3XS	7-1B / 7-2D
17-670	2 3/16	4 3/4	2 13/32	3 5/32	3 1/8	3 7/16	1 1/2	3 3/8	7-3XS	7-1B / 7-2D
17-672	2 1/4	4 3/4	2 13/32	3 7/32	3 3/16	3 13/32	1 5/8	3 3/8	7-3XS	7-1B / 7-2D
17-674	2 5/16	5	2 13/32	3 5/16	3 9/32	3 21/32	1 5/8	3 1/2	7-3XS	7-1B / 7-2D
17-676	2 3/8	5	2 13/32	3 3/8	3 3/8	3 5/8	1 3/4	3 1/2	7-3XS	7-1B / 7-2D
17-678	2 7/16	4 1/2	2 3/8	3 1/2	1 1/2	3 7/32	1 3/4	3 1/2	7-3XS	7-1B / 7-2D
17-680	2 1/2	4 1/2	2 3/8	3 1/2	1 5/8	3	2 1/2	3 1/2	7-3XS	7-1B / 7-2D
17-682	2 9/16	4 7/8	2 3/8	3 5/8	1 5/8	3 1/2	2	3 7/8	7-3XS	7-1B / 7-2D
17-684	2 5/8	4 11/16	2 3/8	3 3/4	1 5/8	3 11/32	2	3 11/16	7-3XS	7-1B / 7-2D
17-686	2 11/16	4 11/16	2 3/8	3 3/4	1 13/16	2 1/2	2	3 11/16	7-3XS	7-1B / 7-2D
17-688	2 3/4	5 1/8	2 3/8	3 3/4	1 3/4	3 5/8	2	4 1/8	7-3XS	7-1B / 7-2D
17-690	2 13/16	5 1/8	2 3/8	4	1 13/16	2 27/32	2	4 1/8	7-3XS	7-1B / 7-2D
17-692	2 7/8	4 7/8	2 3/8	4	1 13/16	3 9/16	2	3 7/8	7-3XS	7-1B / 7-2D
17-694	2 15/16	4 7/8	2 3/8	4 1/8	2 1/32	2 11/16	2	3 7/8	7-3XS	7-1B / 7-2D
17-696	3	5 1/8	2 3/8	4 1/4	2 1/32	3 7/8	2 3/8	4 1/8	7-3XS	7-1B / 7-2D
17-6100	3 1/8	5 1/8	2 3/8	4 3/8	2 1/32	3 1/32	2 3/8	4 1/8	7-3XS	7-1B / 7-2D
17-6104	3 1/4	5 3/8	2 3/8	4 1/2	2 1/32	3 1/32	2 3/8	4 3/8	7-3XS	7-1B / 7-2D
17-6108	3 3/8	5 1/2	2 3/8	4 5/8	2 1/4	3 5/16	2 1/2	4 1/2	7-3XS	7-1B / 7-2D
17-6112	3 1/2	5 1/2	2 3/8	4 3/4	2 1/4	4 3/32	2 1/2	4 1/2	7-3XS	7-1B / 7-2D
17-6116	3 5/8	5 1/2	2 3/8	5	2 5/16	4 3/32	2 5/8	4 1/2	7-3XS	7-1B / 7-2D
17-6118	3 11/16	5 17/32	2 3/8	5 5/16	2 7/16	3 7/8	2 3/4	4 17/32	7-3XS	7-1B / 7-2D
17-6120	3 3/4	5 9/16	2 3/8	5 1/4	2 1/4	3 19/32	2 13/16	4 9/16	7-3XS	7-1B / 7-2D
17-6122	3 13/16	5 31/32	2 3/8	5 3/8	2 17/32	4 11/32	2 5/8	4 31/32	7-3XS	7-1B / 7-2D
17-6124	3 7/8	5 9/16	2 3/8	5 1/4	2 9/16	3 5/8	3	4 9/16	7-3XS	7-1B / 7-2D
17-6126	3 15/16	6 1/16	2 3/8	5 1/2	2 13/32	4 13/32	3	5 1/16	7-3XS	7-1B / 7-2D
17-6128	4	6 1/8	2 3/8	5 1/2	2 17/32	4 3/32	2 7/8	5 1/8	7-3XS	7-1B / 7-2D
17-6130	4 1/16	6 1/8	2 3/8	5 1/2	2 15/32	4 1/2	3	5 5/32	7-3XS	7-1B / 7-2D
17-6132	4 1/8	6 1/8	2 3/8	5 17/32	2 17/32	4 3/32	2 7/8	5 1/8	7-3XS	7-1B / 7-2D
17-6134	4 3/16	6 7/32	2 3/8	6	2 1/2	4 9/16	3	5 7/32	7-3XS	7-1B / 7-2D
17-6136	4 1/4	6 9/32	2 3/8	5 3/4	2 5/8	4 9/16	3 1/8	5 9/32	7-3XS	7-1B / 7-2D
17-6138	4 5/16	6 11/32	2 3/8	5 13/16	2 21/32	4 5/8	3 3/8	5 11/32	7-3XS	7-1B / 7-2D
17-6140	4 3/8	6 13/32	2 3/8	5 27/32	2 5/8	4 9/16	3 1/8	5 13/32	7-3XS	7-1B / 7-2D
17-6142	4 7/16	6 13/32	2 3/8	6	2 21/32	4 9/16	2 5/8	5 13/32	7-3XS	7-1B / 7-2D
17-6144	4 1/2	7	2 3/8	6	2 3/4	5	3 1/8	6	7-3XS	7-1B / 7-2D
17-6146	4 9/16	7 1/8	3 1/4	6 1/2	2 3/4	4 19/32	3 3/8	6 1/8	8-1XS	7-1C - 7-2F
17-6148	4 5/8	7 1/8	3 1/4	6 13/16	2 13/16	4 3/32	3 1/2	6 1/8	8-1XS	7-1C - 7-2F
17-6152	4 3/4	6 3/4	3 1/4	6 5/8	2 29/32	4 29/32	3 1/2	5 3/4	8-1XS	7-1C - 7-2F
17-6156	4 7/8	7 1/4	3 1/4	7	3	5 5/32	3 1/2	6 1/4	8-1XS	7-1C - 7-2F
17-6160	5	7 3/4	3 1/4	7	3	5 21/32	3 1/2	6 3/4	8-1XS	7-1C - 7-2F
17-6172	5 3/8	8	3 1/4	7 1/2	3 9/16	5 25/32	3 21/32	7	8-1XS	7-1C - 7-2F
17-6184	5 3/4	8	3 1/4	8 1/4	3 9/16	6 1/32	4	7	8-1XS	7-1C - 7-2F

Fed. Spec: ANSI B107.2

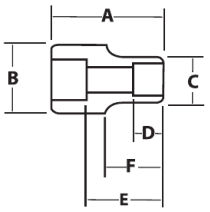
Made in U.S.A.

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



17-660



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WARNING



WS-7-19TB

WILLIAMS®

1" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

WS-7-19TB 19 Piece 1" Drive Shallow 6 Point Impact Socket Set in Tool Box

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
7-648	1 1/2	7-676	2 3/8	7-6100	3 1/8
7-652	1 5/8	7-680	2 1/2	7-6104	3 1/4
7-656	1 3/4	7-682	2 9/16	7-6112	3 1/2
7-660	1 7/8	7-684	2 5/8	7-107	7 3/8" EXT
7-664	2	7-688	2 3/4	7-140B	U-JOINT
7-668	2 1/8	7-692	2 7/8	TB-6124A	TOOL BOX
7-672	2 1/4	7-696	3		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

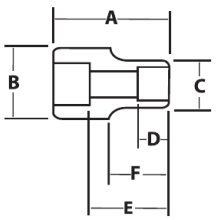
Made in U.S.A.

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



39720



WILLIAMS®

1 " DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
39720	5/8	2 1/4	2	1 3/16	7/16	/	/	1
39724	3/4	2 1/4	2	1 1/2	7/16	/	/	1
39726	13/16	2 1/4	2	1 1/2	7/16	/	/	1
39728	7/8	2 1/4	2	1 1/2	1/2	/	/	1
39730	15/16	2 1/4	2	1 1/2	1/2	/	/	1
39732	1	2 1/4	2	1 5/8	1/2	/	/	1
39734	1 1/16	2 1/4	2	1 3/4	1/2	/	/	1
39736	1 1/8	2 1/4	2	1 3/4	5/8	/	/	1
39738	1 3/16	2 7/16	2	1 7/8	5/8	/	/	1 1/16
39740	1 1/4	2 7/16	2	2	5/8	/	/	/
39742	1 5/16	2 7/16	2 1/16	2 1/8	3/4	/	/	1 3/16
39744	1 3/8	2 7/16	2 1/16	2 1/8	3/4	/	/	1 3/16
39746	1 7/16	2 7/16	2 1/16	2 1/4	3/4	/	/	1 3/16
39748	1 1/2	2 7/16	2 1/16	2 1/4	7/8	/	/	1 3/16
39750	1 9/16	2 7/16	2 1/16	2 7/16	7/8	/	/	1 3/16
39752	1 5/8	2 7/16	2 1/16	2 7/16	7/8	/	/	1 3/16
39754	1 11/16	2 1/2	2 1/16	2 1/2	1	/	/	1 3/16
39756	1 3/4	2 1/2	2 1/4	2 1/2	1	/	/	1 3/16
39758	1 13/16	2 1/2	2 1/4	2 5/8	1	/	/	1 3/16
39760	1 7/8	2 1/2	2 1/4	2 3/4	1 1/16	/	/	1 3/16
39762	1 15/16	2 5/8	2 1/4	2 3/4	1 1/16	/	/	1 3/16
39764	2	2 3/4	2 1/4	2 5/16	1 1/16	/	/	1 3/16
39766	2 1/16	2 3/4	2 1/4	2 5/16	1 3/16	/	/	1 3/16
39768	2 1/8	2 3/4	2 1/4	3 1/16	1 3/16	/	/	1 3/16
39770	2 3/16	2 3/4	2 7/16	3 3/16	1 3/16	/	/	1 3/16
39772	2 1/4	2 15/16	2 7/16	3 1/4	1 1/4	/	/	1 3/16
39776	2 3/8	3 1/16	2 7/16	3 1/2	1 3/8	/	/	1 3/16
39780	2 1/2	3 3/16	2 7/16	3 1/2	1 3/8	/	/	1 3/16
39782	2 9/16	3 3/16	2 7/16	3 5/8	1 3/8	/	/	1 3/16
39788	2 3/4	3 3/8	2 7/16	3 7/8	1 1/2	/	/	1 1/4
39794	2 15/16	3 3/4	3 3/8	4 1/8	1 5/8	/	/	1 1/2
39796	3	3 3/4	3 3/8	4 1/8	1 5/8	/	/	1 1/2

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

Made in U.S.A.

WILLIAMS®

1-1/2" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
8-108	Impact Extension	8	8-1XS	7-1C / 8-2E	Through Hole and Pin
8-115	Impact Extension	15	8-1XS	7-1C / 8-2E	Through Hole and Pin
8-140B	Impact Universal Joint	6 1/16	8-1XS	7-1C / 8-2E	Through Hole and Pin
8-7	1"M x 1 ½"F Adapter	4 ¼	8-1XS	7-1C / 8-2E	Through Hole and Pin
8-8	1 ½"M x 2 ½"F Adapter	6 ⅜	8-4XS	9-1D / 9-2G	Through Hole and Pin

Fed. Spec: ANSI B107.2

Features

Made in U.S.A.

- Specially heat treated for impact use to provide long life, safety, and durability.
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience.
- Universal joint provides 55° range of motion.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.



8-108



8-140B

WILLIAMS®

1-1/2" SLIDING T-HANDLE

Black Industrial Finish

Product Code	Length (Inches)	Shaft Diameter (Inches)	Socket Retention
8-20	36	2 ½	Plunger and Spring

Features

Made in U.S.A.

- Drive end slides on bar for additional flexibility.
- Ideal for turning 1-1/2" drive sockets when impact wrench is not available.



8-8



8-7



8-20

WILLIAMS®

1-1/2" DRIVE IMPACT RETAINING PINS AND RINGS

Black Industrial Finish

Product Code	Description	Diameter (Inches)	Length (Inches)	Application
7-1C	Impact Retaining O-Ring	3 ¼	NA	Fits All Williams 1 ½" Drive Sockets and Accessories
8-2E	Impact Retaining Pin	¼	2 ⅞	Fits All Williams 1 ½" Drive Sockets and Accessories
9-1D	Impact Retaining O-Ring	4 ⅛	NA	
9-2G	Impact Retaining Pin	5/16	2 ⅞	

Features

Made in U.S.A.

- Specially heat treated for impact use to provide long life, safety, and durability.
- Suitable for use with pneumatic and electric impact wrenches.
- For 1-1/2" Drive impact tools with pin retention hole and groove.



7-1C



8-2E

WILLIAMS®

1-1/2" DRIVE RET RING® ONE-PIECE IMPACT RETAINING RINGS WITH CRUSH GAUGE

Black Industrial Finish

Product Code	Diameter (Inches)	Application
8-1XS	2 ⅞	Fits Williams 1 ½" Drive Tools with "B" Dimension of 3 ¼"
8-2XS	3⅜	Fits Competitive Impact Sockets
8-3XS	3 ⅞	Fits Competitive Impact Sockets
8-4XS	4 ⅜	Fits Competitive Impact Sockets

Features

Made in U.S.A.

- Fits all Williams 1-1/2" Drive Sockets and Accessories
- Crush Gage on the resin pin indicates when a socket is excessively worn and should be replaced.
- Securely retains sockets and accessories to square drive of impact wrench
- For 1-1/2" drive impact tools with pin retention hole and groove
- Made of oil resistant material
- RET RING® is a trademark of FTL Enterprises, inc.



8-1XS

WARNING

WILLIAMS®

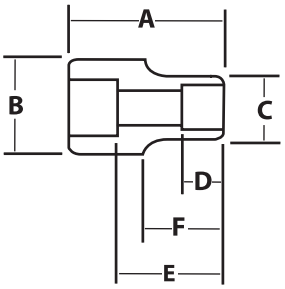
1-1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish



8-696

		A	B	C	D	E		F		
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
8-646	1 7/16	3 1/32	3 1/4	2 7/8	57/64	1 25/64	1 7/16	1 7/32	8-1XS	7-1C / 8-2E
8-648	1 1/2	3 3/32	3 1/4	2 7/8	29/32	1 7/16	1 31/64	1 17/64	8-1XS	7-1C / 8-2E
8-652	1 5/8	3 3/16	3 1/4	2 29/32	1 1/32	1 9/16	1 5/8	1 21/64	8-1XS	7-1C / 8-2E
8-654	1 11/16	3 1/4	3 1/4	2 31/32	1 1/16	1 9/16	1 11/16	1 39/64	8-1XS	7-1C / 8-2E
8-656	1 3/4	3 9/32	3 1/4	3 1/32	1 1/32	1 21/32	1 21/32	1 9/16	8-1XS	7-1C / 8-2E
8-658	1 13/16	3 21/64	3 1/4	3 3/32	1 5/32	1 11/64	1 13/16	1 5/8	8-1XS	7-1C / 8-2E
8-660	1 7/8	3 3/8	3 1/4	3 5/32	1 7/32	1 3/4	1 7/8	1 23/32	8-1XS	7-1C / 8-2E
8-664	2	3 7/16	3 1/4	3 1/2	1 9/32	1 13/16	2	1 51/64	8-1XS	7-1C / 8-2E
8-666	2 1/16	3 1/2	3 1/4	3 1/2	1 13/32	1 55/64	2 1/16	1 55/64	8-1XS	7-1C / 8-2E
8-668	2 1/8	3 9/16	3 1/4	3 1/2	1 27/64	1 59/64	2 1/8	1 59/64	8-1XS	7-1C / 8-2E
8-670	2 3/16	3 21/32	3 1/4	3 1/2	1 7/16	2	2 3/16	2 1/64	8-1XS	7-1C / 8-2E
8-672	2 1/4	3 3/4	3 1/4	3 9/16	1 17/32	2 1/8	2 1/4	2 1/8	8-1XS	7-1C / 8-2E
8-676	2 3/8	3 7/8	3 1/4	3 25/32	1 9/16	2 1/4	2 3/8	2 17/64	8-1XS	7-1C / 8-2E
8-678	2 7/16	3 15/16	3 1/4	3 25/32	1 9/16	2 19/64	2 7/16	2 5/16	8-1XS	7-1C / 8-2E
8-680	2 1/2	4	3 1/4	3 7/8	1 19/32	2 3/8	2 31/64	2 1/64	8-1XS	7-1C / 8-2E
8-682	2 9/16	4 1/32	3 1/4	3 29/32	1 5/8	2 13/32	2 9/16	2 3/64	8-1XS	7-1C / 8-2E
8-684	2 5/8	4 3/32	3 1/4	4	1 11/16	2 15/32	2 5/8	2 7/64	8-1XS	7-1C / 8-2E
8-688	2 3/4	4 7/32	3 1/4	4 5/32	1 13/16	2 7/16	2 3/4	2 15/64	8-1XS	7-1C / 8-2E
8-692	2 7/8	4 5/16	3 1/4	4 5/16	1 7/8	2 11/16	2 5/8	2 9/32	8-1XS	7-1C / 8-2E
8-694	2 15/16	4 3/8	3 1/4	4 3/8	1 29/32	2 3/4	2 5/8	2 23/64	8-1XS	7-1C / 8-2E
8-696	3	4 7/16	3 1/4	4 7/16	1 5/16	2 27/32	2 5/8	2 13/32	8-1XS	7-1C / 8-2E
8-698	3 1/16	4 1/2	3 1/4	4 9/16	1 31/32	2 7/8	2 5/8	2 15/32	8-1XS	7-1C / 8-2E
8-6100	3 1/8	4 9/16	3 1/4	4 5/8	2	3	2 5/8	2 1/2	8-1XS	7-1C / 8-2E
8-6104	3 1/4	4 21/32	3 1/4	4 25/32	2 1/8	3	2 5/8	2 19/32	8-1XS	7-1C / 8-2E
8-6108	3 3/8	4 3/4	3 1/4	4 15/16	2 7/32	3 1/8	2 5/8	2 43/64	8-1XS	7-1C / 8-2E
8-6110	3 7/16	4 27/32	3 1/4	5	2 9/32	3 7/32	2 5/8	2 3/4	8-1XS	7-1C / 8-2E
8-6112	3 1/2	4 29/32	3 1/4	5 1/16	2 5/16	3 1/4	2 5/8	2 13/16	8-1XS	7-1C / 8-2E
8-6116	3 5/8	5 1/8	3 1/4	5 1/4	2 13/32	3 7/16	2 5/8	3	8-1XS	7-1C / 8-2E
8-6120	3 3/4	5 1/8	3 1/4	5 3/8	2 15/32	3 1/2	2 5/8	3 1/32	8-1XS	7-1C / 8-2E
8-6122	3 13/16	5 5/16	3 1/4	5 3/8	2 17/32	3 7/8	2 5/8	3 3/32	8-1XS	7-1C / 8-2E
8-6124	3 7/8	5 1/4	3 1/4	5 17/32	2 9/16	3 5/8	2 5/8	3 5/32	8-1XS	7-1C / 8-2E
8-6128	4	5 13/32	3 1/4	5 21/32	2 5/8	3 25/32	2 5/8	3 9/32	8-1XS	7-1C / 8-2E
8-6132	4 1/8	5 9/16	3 1/4	5 13/16	2 3/4	3 59/64	2 5/8	3 7/16	8-1XS	7-1C / 8-2E
8-6136	4 1/4	5 11/16	3 1/4	5 31/32	2 13/16	4 1/16	2 5/8	3 9/16	8-1XS	7-1C / 8-2E
8-6138	4 5/16	5 25/32	3 1/4	6 1/32	2 7/8	4 5/32	2 5/8	3 21/32	8-1XS	7-1C / 8-2E
8-6140	4 3/8	5 27/32	3 1/4	6 3/32	2 29/32	4 7/32	2 5/8	3 21/32	8-1XS	7-1C / 8-2E
8-6144	4 1/2	6	3 1/4	6 1/4	3 1/32	4 3/8	2 5/8	3 15/16	8-1XS	7-1C / 8-2E
8-6148	4 5/8	6 1/16	3 1/4	6 13/16	3 1/16	4 7/16	3 1/2	4 3/32	8-1XS	7-1C / 8-2E
8-6152	4 3/4	6 1/8	3 1/4	6 9/16	3 1/8	4 1/2	2 5/8	4	8-1XS	7-1C / 8-2E
8-6156	4 7/8	6 3/4	3 1/4	7	3 1/8	5 7/64	3 1/2	4 19/32	8-1XS	7-1C / 8-2E
8-6160	5	6 3/4	3 1/4	7 1/8	3 1/16	5 7/64	3 1/2	4 9/16	8-1XS	7-1C / 8-2E
8-6172	5 3/8	7	3 1/4	7 5/16	3 1/4	5 1/8	4	4 29/32	8-1XS	7-1C / 8-2E
8-6184	5 3/4	7	3 1/4	7 5/8	3 1/2	5 1/8	3 3/4	4 7/8	8-1XS	7-1C / 8-2E
8-6196	6 1/8	7 1/4	5	8 1/2	3 11/16	5 3/8	4 1/2	5 1/16	8-4XS	9-1D / 8-2E
8-6208	6 1/2	7 1/2	5	9 1/4	3 1/2	5 5/8	5	5 9/64	8-4XS	9-1D / 8-2E
8-6220	6 7/8	7 7/8	5	9 1/4	3 7/8	6	4 3/4	5 33/64	8-4XS	9-1D / 8-2E
8-6232	7 1/4	8 1/8	5	10	4 1/2	6 1/4	5 1/2	5 49/64	8-4XS	9-1D / 8-2E
8-6244	7 5/8	8 1/4	5	10 3/4	4 13/16	6 3/8	6 1/2	5 57/64	8-4XS	9-1D / 8-2E
8-6256	8	8 3/8	5	11	5 1/16	6 1/2	7	6 1/64	8-4XS	9-1D / 8-2E



Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

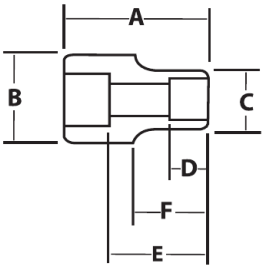
1-1/2" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
41144	1 3/8	3 1/8	3 3/8	2 1/2	1	/	1 3/16	1 3/8
41146	1 7/16	3 1/8	3 3/8	2 1/2	1	/	1 1/4	1 3/8
41148	1 1/2	3 1/8	3 3/8	2 5/8	1	/	1 1/4	1 3/8
41150	1 9/16	3 1/8	3 3/8	2 5/8	1	/	1 3/8	1 3/8
41152	1 5/8	3 1/8	3 3/8	2 3/4	1	/	1 3/8	1 3/8
41154	1 11/16	3 1/4	3 3/8	2 3/4	1 1/16	/	1 1/2	1 1/2
41156	1 3/4	3 1/4	3 3/8	2 15/16	1 1/16	/	1 1/2	1 1/2
41158	1 13/16	3 1/4	3 3/8	2 15/16	1 1/16	/	1 5/8	1 1/2
41160	1 7/8	3 7/16	3 3/8	3 1/8	1 3/16	/	1 5/8	1 5/8
41162	1 15/16	3 7/16	3 3/8	3 1/8	1 3/16	/	1 3/4	1 5/8
41164	2	3 7/16	3 3/8	3 1/4	1 3/16	/	1 3/4	1 5/8
41166	2 1/16	3 7/16	3 3/8	3 1/4	1 3/16	/	1 7/8	1 5/8
41168	2 1/8	3 1/2	3 3/8	3 3/8	1 1/2	/	1 7/8	/
41170	2 3/16	3 1/2	3 3/8	3 3/8	1 1/2	/	1 7/8	/
41172	2 1/4	3 1/2	3 3/8	3 5/8	1 1/2	/	2 1/16	1 3/4
41174	2 5/16	3 1/2	3 3/8	3 5/8	1 1/2	/	2 1/16	1 3/4
41176	2 3/8	3 1/2	3 3/8	3 5/8	1 1/2	/	2 1/16	1 3/4
41178	2 7/16	3 3/4	3 3/8	3 7/8	1 5/8	/	2 1/4	1 3/4
41180	2 1/2	3 3/4	3 3/8	3 7/8	1 5/8	/	2 1/4	1 3/4
41182	2 9/16	3 3/4	3 3/8	3 7/8	1 5/8	/	2 1/4	1 3/4
41184	2 5/8	3 3/4	3 3/8	4 3/16	1 5/8	/	2 7/16	1 3/4
41186	2 11/16	3 3/4	3 3/8	4 3/16	1 5/8	/	2 7/16	1 3/4
41188	2 3/4	3 3/4	3 3/8	4 3/16	1 5/8	/	2 1/2	1 3/4
41190	2 13/16	4 1/16	3 3/8	4 1/4	1 3/4	/	2 1/2	1 3/4
41192	2 7/8	4 1/16	3 3/8	4 1/4	1 3/4	/	2 5/8	1 3/4
41194	2 15/16	4 1/16	3 3/8	4 1/4	1 3/4	/	2 5/8	1 3/4
41196	3	4 1/4	3 3/8	4 5/8	2	/	2 3/4	1 3/4
41200	3 1/8	4 1/4	3 3/8	4 5/8	2	/	2 3/4	1 3/4
41204	3 1/4	4 1/4	3 3/8	4 15/16	2	/	3	1 3/4
41208	3 3/8	4 1/4	3 3/8	4 15/16	2	/	3	1 3/4
41212	3 1/2	4 5/8	3 3/8	5	2 3/16	/	3 1/4	1 3/4
41220	3 3/4	4 5/8	3 3/4	5 1/4	2 3/16	/	3 1/2	2
41224	3 7/8	4 15/16	3 3/4	5 7/16	2 1/4	/	3 5/8	2
41226	3 15/16	4 15/16	3 3/4	5 7/16	2 1/4	/	3 5/8	2
41228	4	4 15/16	3 3/4	5 7/16	2 1/4	/	3 3/4	2



41144



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

⚠WARNING

SCREWDRIVERS

Comfort, power and versatility are built into each Williams and Bahco screwdriver. Our selection is superior, with lengths, thicknesses, tip types, finishes and handle sizes to meet the needs of any job.



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Pozidriv®	442
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ERGO® HANDLE INTERCHANGEABLE BLADES

Product Code	Description
BE-8571	7 Piece ERGO® Handle Interchangeable Blade Set

Contents Include:

PH1 PH2	PZ2 1x5.5 Slotted	1.2x6.5 Slotted 1.2x6.5 Slotted	Handle, Pouch

Product Code	Description
BE-8572	9 Piece ERGO® Handle Interchangeable Blade Set

Contents Include:

PH1 PH2	PZ1 PZ2	T10 T15	1x5.5 Slotted 1.2x6.5 Slotted	Handle, Pouch

Product Code	Description
BE-8573	8 Piece ERGO® Handle Interchangeable Blade Set

Contents Include:

T10 T15	T20 T25	T27 T30	T40 Handle, Pouch

Product Code	Description
BE-8576	22 Piece ERGO® Handle Interchangeable Blade Set

Contents Include:

PH1 PH2 PH3	PZ1 PZ3 PZ3	T10 T15 T20	T25 T30 T40	0.6x3.5 Slotted 0.8x4.0 Slotted 1x5.5 Slotted	1.2x6.5 Slotted Bits (6 pcs): H2.5, H3, H4, H5, H6, H8 Handle, Foam Inlay

Features

- Ergo handle with interchangeable blades
- Quick-Spin for easy fastening
- Lock-in system for easy and safe locking of blades
- 100 mm Hexagonal blades
- In a pouch or Foam inlay

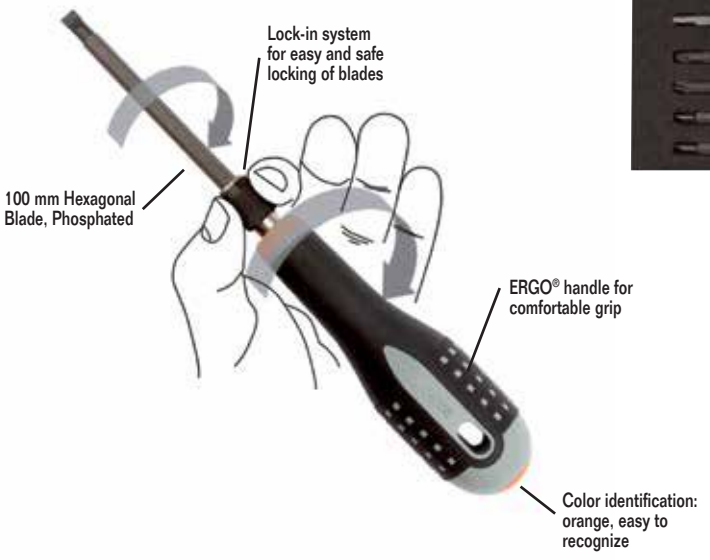




BE-8572



BE-8576



WARNING





706-1



706-5

BAHCO

PRECISION SCREWDRIVER SETS

Three Component Handle with Black Oxide Tips

Product Code	Description
706-1	6 Piece Precision Screwdriver Set Phillips® / Slotted

Contents Include:

1.5 mm Slotted	2.5 mm Slotted	# 0 Phillips®
2.0 mm Slotted	3.0 mm Slotted	# 1 Phillips®

Product Code	Description
706-2	6 Piece Precision Screwdriver Set Phillips® / Slotted

Contents Include:

1.0 mm Slotted	1.5 mm Slotted	# 00 Phillips®
1.2 mm Slotted	1.8 mm Slotted	# 0 Phillips®

Product Code	Description
706-3	6 Piece Precision Screwdriver Set Pozidriv® / Slotted

Contents Include:

1.0 mm Slotted	1.5 mm Slotted	# 2 Pozidriv®
1.2 mm Slotted	1.8 mm Slotted	# 2.5 Pozidriv®

Product Code	Description
706-4	7 Piece Precision Screwdriver Set Phillips® / Slotted / TORX®

Contents Include:

1.5 mm Slotted	# 0 Phillips®	6 mm TORX®
2.5 mm Slotted	# 1 Phillips®	8 mm TORX®
3.5 mm Slotted		

Product Code	Description
706-5	24 Piece Precision Screwdriver Set Phillips® / Slotted / TORX® / Hexagon

Contents Include:

1.0 mm Slotted	# 00 Phillips®	T6 TORX®	H1 Hexagon
1.2 mm Slotted	# 0 Phillips®	T7 TORX®	H2 Hexagon
1.5 mm Slotted	# 1 Phillips®	T8 TORX®	H2.5 Hexagon
1.8 mm Slotted	# 0 Pozidriv®	T9 TORX®	H3 Hexagon
2.0 mm Slotted	# 1 Pozidriv®	T10 TORX®	
3.0 mm Slotted		T15 TORX®	
3.5 mm Slotted		T20 TORX®	
4.0 mm Slotted			

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification
- Chrome blades prevent corrosion and can be easily cleaned
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location

19 PIECE COMBINATION SCREWDRIVER SET

Premium Comfort Grip & Three Component handle with Black Oxide Tips

Product Code	Description
100P-19MD	19 Piece Combination Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width/Point Size
BE8020L	6	3	Cabinet Tip 1/8"
BE-8220	9	5	Cabinet Tip 1/8"
BE-8240	11 3/4	7	Cabinet Tip 5/32"
SDE-43	6 11/16	3	Electrician's Tip 3/16"
SDE-46	9 11/16	6	Electrician's Tip 3/16"
SDS-62	3 1/2	1 3/4	Slotted 1/4" Stubby
SDP-2-ST	3 1/2	1 1/2	Phillips #2 Stubby
BE-8600	6 1/2	2 3/16	Phillips #0
SDP-1-3	6 1/4	3	Phillips #1
BE-8610L	12 3/4	8	Phillips #1 x 8"
SDP-2-4	7 15/16	4	Phillips #2
SDP-2-8	12	8	Phillips #2
SDP-3-6	10 1/2	6	Phillips #3
SDP-4-6	10 3/4	8	Phillips #4
SDR-24	7 7/8	4	Slotted 1/4
SDR-26	10 11/16	6	Slotted 5/16
SDR-28	12 11/16	8	Slotted 3/8"
SDS-33	17 13/16	12	Slotted 3/8
SDR-22	6 1/8	3	Slotted 3/16"



100P-19MD

Features

- Set contains a comprehensive assortment of screwdrivers to get the job done
- Williams comfort grip handle with thumb stop allow for added turning power without discomfort or slippage
- Bahco's three component ergonomically designed handle provides comfort and maximum grip even with oily hands.

12 PIECE ERGO® MIXED SCREWDRIVER SET

Three Component Handle with Black Oxide Tips

Product Code	Description
808512	12 Piece ERGO® Screwdriver Set Phillips® / Slotted / Pozidriv

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
BE-8020L	6	3	1/8
BE-8150	8 3/4	4	7/32
BE-8160	7 3/4	3	Phillips® #1
BE-8210	7	3	3/32
BE-8220	9	5	1/8
BE-8240	11 3/4	7	5/32
BE-8600	6 1/2	2 3/16	Phillips® #0
BE-8610	7 3/4	3	Phillips® #1
BE-8620	8 3/4	4	Phillips® #2
BE-8810	7 3/4	3	Pozidriv® 1
BE-8820	8 3/4	1	Pozidriv® 2
BE-8890	14 1/2	8	9/16





808512

Features

- Contains 6 slotted, 4 Phillips®, and 2 Pozidriv® screwdrivers
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification
- Chrome blades prevent corrosion and can be easily cleaned
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location

WARNING



808506

6 PIECE ERGO® MIXED SCREWDRIVER SET

Three Component Handle with Black Oxide Tips

Product Code	Description
808506	6 Piece ERGO® Screwdriver Set Phillips® / Slotted

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
BE-8020L	6	3	1/8
BE-8150	8 3/4	4	7/32
BE-8160	7 3/4	3	Phillips® #1
BE-8240	11 3/4	7	5/32
BE-8610	7 3/4	3	Phillips® #1
BE-8620	8 3/4	4	Phillips® #2

Features

- Contains 3 slotted and 3 Phillips® screwdrivers
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification
- Chrome blades prevent corrosion and can be easily cleaned
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location





BE-9881

6 PIECE ERGO® MIXED SCREWDRIVER SET

Three Component Handle with Black Oxide Tips

Product Code	Description
BE-9881	6 Piece ERGO® Screwdriver Set Phillips® / Slotted

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
BE-8020	6	2	1/8
BE-8040	8 3/4	4	5/32
BE-8150	8 3/4	4	7/32
BE-8155	9 3/4	5	1/4
BE-8610	7 3/4	3	#1
BE-8620	8 3/4	4	#2

Features

- Contains 4 slotted and 2 Phillips® screwdrivers.
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.

6 PIECE ERGO® MIXED SCREWDRIVER SET

Three Component Handle with Black Oxide Tips

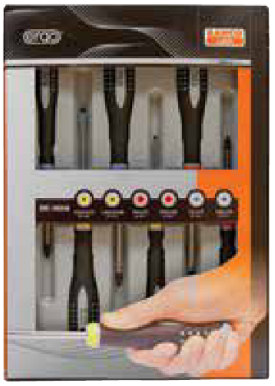
Product Code	Description
BE-9886	6 Piece ERGO® Screwdriver Set Phillips® / Slotted / Pozidriv®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
BE-8030	7 3/4	3	9/64
BE-8150	8 3/4	4	7/32
BE-8610	7 3/4	3	Phillips® #1
BE-8620	8 3/4	4	Phillips® #2
BE-8810	7 3/4	3	Pozidriv® #1
BE-8820	8 3/4	4	Pozidriv® #2

Features

- Contains 2 slotted, 2 Pozidriv® and 2 Phillips® screwdrivers.
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.





BE-9886

5 PIECE ERGO® TORX® SCREWDRIVER SET

Three Component Handle with Black Oxide Tips

Product Code	Description
BE-9885	5 Piece ERGO® TORX® Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
BE-8910	7 3/8	2 1/2	T10
BE-8915	7 1/2	2 3/4	T15
BE-8920	8	3 1/8	T20
BE-8925	8	3 1/8	T25
BE-8930	8 3/4	4	T30

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.
- Chrome blades prevent corrosion and can be easily cleaned.





BE-9885

WARNING



BE-9913

3 PIECE ERGO® ROBERTSON® SCREWDRIVER SET

For Square-recess Screws

Product Code	Description
BE-9913	3 Piece ERGO® Robertson® Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Size
BE-9001	8	3 1/8	#1
BE-9002	8	3 1/8	#2
BE-9003	8 3/4	4	#3

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Chrome blades prevent corrosion and can be easily cleaned.



100P-8MD

8 PIECE PREMIUM MIXED SCREWDRIVER SET

Comfort-Grip Handle With Round Blade

Product Code	Description
100P-8MD	8 Piece Premium Screwdriver Set Phillips® / Slotted Tips

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
SDR-24	7 7/8	4	1/4
SDR-26	10 11/16	6	5/16
SDR-28	12 3/4	8	3/8
SDP-1-3	6 1/4	3	#1
SDP-2-4	7 15/16	4	#2
SDP-3-6	10 1/2	6	#3
SDE-43	6 11/16	3	3/16" Electrician's Tip
SDE-46	9 11/16	6	3/16" Electrician's Tip

Made in U.S.A.

Features

- Contains 3 slotted, 3 Phillips®, and 2 Electrician's screwdrivers.
- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Chrome blades prevent corrosion and can be easily cleaned.
- Blades are made from special alloy steel for extra strength.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Hex bolsters on shafts allow a wrench to be used for extra turning power.

WILLIAMS®

5 PIECE PREMIUM MIXED SCREWDRIVER SET

Comfort-Grip Handle With Round Blade

Product Code	Description
100P-5MD	5 Piece Premium Screwdriver Set Phillips® / Slotted Tips

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
SDR-22	6 1/8	3	3/16
SDR-24	7 7/8	4	1/4
SDR-26	10 11/16	6	5/16
SDP-1-3	6 1/4	3	#1 Phillips®
SDP-2-4	7 15/16	4	#2 Phillips®

Made in U.S.A.

Features

- Contains 3 slotted and 2 Phillips® screwdrivers.
- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Chrome blades prevent corrosion and can be easily cleaned.
- Blades are made from special alloy steel for extra strength.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Hex bolsters on shafts allow a wrench to be used for extra turning power.



100P-5MD

WILLIAMS®

6 PIECE PREMIUM SLOTTED SCREWDRIVER SET

Comfort-Grip Handle

Product Code	Description
100P-6SD	6 Piece Premium Slotted Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width
SDR-22	6 1/8	3	3/16
SDR-24	7 7/8	4	1/4
SDR-26	10 11/16	6	5/16
SDR-28	12 11/16	8	3/8
SDR-30	14 3/4	10	7/16
SDS-33	17 13/16	12	3/8

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Chrome blades prevent corrosion and can be easily cleaned.
- Blades are made from special alloy steel for extra strength.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Hex bolsters on shafts allow a wrench to be used for extra turning power.



100P-6SD

WARNING



100P-6PD

WILLIAMS®

6 PIECE PREMIUM PHILLIPS® SCREWDRIVER SET

Comfort-Grip Handle With Round Blade

Product Code	Description
100P-6PD	6 Piece Premium Phillips® Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
SDP-1-3	6 1/4	3	#1
SDP-2-4	7 15/16	4	#2
SDP-2-8*	12	8	#2
SDP-3-6	10 1/2	6	#3
SDP-4-6	10 3/4	6	#4
SDP-2-ST*	3 1/2	1 1/2	#2

* Does not have Bolster

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Chrome blades prevent corrosion and can be easily cleaned.
- Blades are made from special alloy steel for extra strength.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Hex bolsters on shafts allow a wrench to be used for extra turning power.



B219.010

BAHCO®

10 PIECE BAHCOFIT MIXED SCREWDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.010	10 Piece BAHCOFIT Screwdriver Set Slotted / Phillips® / Pozidriv® / Robertson®

Contents Include

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B191.030.075	6 3/4	3	1/8
B190.055.100	8	4	7/32
B190.065.125	9 1/2	5	1/4
B190.080.150	10 1/2	6	5/16
B192.001.100	8	4	Phillips® #1
B192.002.125	9 1/2	5	Phillips® #2
B192.003.150	10 1/2	6	Phillips® #3
B195.902.025	3 1/3	1	Pozidriv® #2
B144.001.100	7 3/4	4	Robertson® #1
B144.002.125	9	5	Robertson® #2

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

8 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.008	8 Piece BAHCOFIT Screwdriver Set Slotted / Phillips®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B191.040.100	7 3/4	4	5/32
B191.055.125	9	5	7/32
B190.065.150	10 1/2	6	1/4
B190.080.175	11 1/2	7	5/16
B192.001.100	8	4	1
B192.002.125	9 1/2	5	2
B195.060.025	3 1/3	1	1/4
B195.002.025	3 1/3	1	2

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B219.008

7 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.017	7 Piece BAHCOFIT Screwdriver Set Slotted / Phillips®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B191.035.100	7 3/4	4	9/64
B191.040.100	7 3/4	4	5/32
B191.055.125	9	5	7/32
B191.065.150	10 1/2	6	1/4
B190.080.150	10 1/2	6	5/16
B192.001.100	8	4	1
B192.002.125	9 1/2	5	2

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B219.017

WARNING



B219.007



B219.026



B219.006

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

BAHCO

7 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.007	7 Piece BAHCOFIT Screwdriver Set Pozidriv® / TORX®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size/Point Size
B193.001.100	8	4	#1
B193.002.125	9 ½	5	#2
B194.010.075	6 ¾	3	T 10
B194.015.100	7 ¾	4	T 15
B194.020.100	7 ¾	4	T 20
B194.025.125	9	5	T 25
B194.030.150	10 ½	6	T 30

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

BAHCO

6 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.026	6 Piece BAHCOFIT Screwdriver Set Slotted / Pozidriv® / Phillips®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width/Point Size
B191.030.075	6 ¾	3	⅛
B191.040.100	7 ¾	4	5/32
B192.001.100	8	4	1
B192.002.125	9 ½	5	2
B193.001.100	8	4	#1
B193.002.125	9 ½	5	#2

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

BAHCO

6 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.006	6 Piece BAHCOFIT Screwdriver Set Slotted / Phillips®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width/Point Size
B191.030.075	6 ¾	3	⅛
B191.040.100	7 ¾	4	5/32
B190.055.125	9	5	7/32
B190.065.125	9 ½	5	¼
B192.001.100	8	4	#1
B192.002.125	9 ½	5	#2

6 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.016	6 Piece BAHCOFIT Screwdriver Set Slotted / Pozidriv®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width/Point Size
B191.030.075	6 3/4	3	1/8
B191.040.100	7 3/4	4	5/32
B190.055.125	9	5	7/32
B190.065.125	9 1/2	5	1/4
B193.001.100	8	4	#1 PZ
B193.002.125	9 1/2	5	#2 PZ

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B219.016

5 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.035	5 Piece BAHCOFIT Screwdriver Set TORX® Tamper Resistant

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
B141.010.075	6 3/4	3	T 10
B141.015.100	7 3/4	4	T 15
B141.020.100	7 3/4	4	T 20
B141.025.125	9	5	T 25
B141.030.150	10 1/2	6	T 30

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B219.035

WARNING



B219.025

BAHCO

5 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.025	5 Piece BAHCOFIT Screwdriver Set TORX®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
B194.010.075	6 3/4	3	T 10
B194.015.100	7 3/4	4	T 15
B194.020.100	7 3/4	4	T 20
B194.025.125	9	5	T 25
B194.030.150	10 1/2	6	T 30

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B219.015

BAHCO

5 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.015	5 Piece BAHCOFIT Screwdriver Set Slotted / Pozidriv®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width/Point Size
B191.030.075	6 3/4	3	1/8
B191.040.100	7 3/4	4	5/32
B190.055.125	9	5	7/32
B193.001.100	8	4	#1 PZ
B193.002.125	9 1/2	5	#2 PZ

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

5 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.005	5 Piece BAHCOFIT Screwdriver Set Slotted / Phillips®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width/Point Size
B191.030.075	6 3/4	3	1/8
B191.040.100	7 3/4	4	5/32
B190.055.125	9	5	7/32
B192.001.100	8	4	#1 Phillips®
B192.002.125	9 1/2	5	#2 Phillips®

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B219.005

4 PIECE BAHCOFIT MIXED SCREWDRIVER SET

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.004	4 Piece BAHCOFIT Screwdriver Set Slotted / Phillips®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width/Point Size
B191.030.100	7 3/4	4	1/8
B191.055.125	9	5	7/32
B192.001.100	8	4	#1 Phillips®
B192.002.125	9 1/2	5	#2 Phillips®

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B219.004

WARNING



B219.002

BAHCO

2 PIECE BAHCOFIT MIXED SCREWDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Description
B219.002	2 Piece BAHCOFIT Screwdriver Set Slotted / Phillips®

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B191.040.100	7 3/4	4	5/32
B192.001.100	8	4	#1 Phillips®

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



24008A

WILLIAMS

12 PIECE COMBINATION SCREWDRIVER SET

Three Component Comfort Grip Handles

Product Code	Description
24008A	12 Piece Combination Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size / TORX® Size
24203A	3 7/8	1 1/2	3/16
24205A	7 3/4	4	3/16
24217A	3 7/8	1 1/2	1/4
24219A	8 1/4	4	1/4
24229A	10 3/16	6	1/4
24237A	10 9/16	6	5/16
24249A	5 11/16	3	#1
24251A	3 7/8	1 1/2	#2
24253A	8 1/4	4	#2
24259A	10 9/16	6	#3
24265A	7 3/4	4	T15
24269A	8 1/4	4	T25

Features

- Contains 6 slotted, 4 Phillips® and 2 TORX® screwdrivers.
- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion.

8 PIECE COMBINATION SCREWDRIVER SET

Three Component Comfort Grip Handles

Product Code	Description
24006A	8 Piece Combination Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
24205A	7 3/4	4	3/16
24217A	3 7/8	1 1/2	1/4
24219A	8 1/4	4	1/4
24237A	10 9/16	6	5/16
24241A	12 9/16	8	3/8
24249A	5 11/16	3	#1
24251A	3 7/8	1 1/2	#2
24253A	8 1/4	4	#2

Features

- Contains 5 slotted and 3 Phillips® screwdrivers.
- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion.



24006A

6 PIECE SLOTTED TIP SCREWDRIVER SET

Component Comfort Grip Handles

Product Code	Description
24004A	6 Piece Slotted Tip Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24203A	3 7/8	1 1/2	3/16
24205A	7 3/4	4	3/16
24217A	3 7/8	1 1/2	1/4
24219A	8 1/4	4	1/4
24237A	10 9/16	6	5/16
24241A	12 9/16	8	3/8

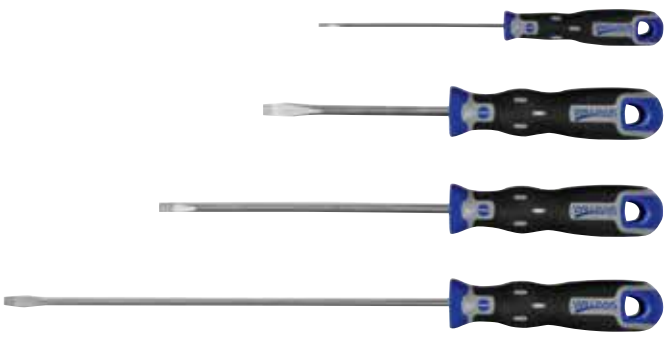
Features

- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion.



24004A

WARNING



24002A

WILLIAMS®

4 PIECE CABINET TIP SCREWDRIVER SET

Three Component Comfort Grip Handles

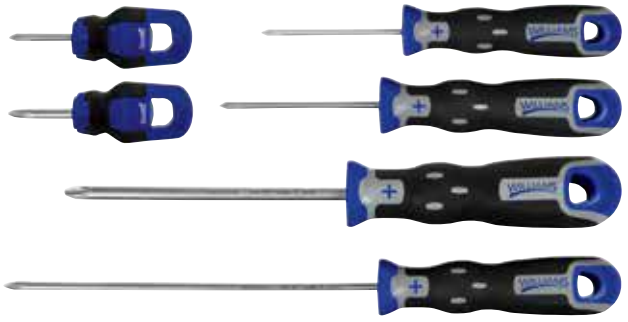
Product Code	Description
24002A	4 Piece Cabinet Tip Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24201A	6 11/16	4	1/8
24207A	6 13/16	3	3/16
24211A	9 3/4	6	3/16
24213A	13 11/16	10	3/16

Features

- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion.



24012A

WILLIAMS®

6 PIECE PHILLIPS® SCREWDRIVERS SET

Three Component Comfort Grip Handles

Product Code	Description
24012A	6 Piece Phillips Screwdrivers Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24247A	3 7/8	1 1/2	1
24249A	5 11/16	3	1
24251A	3 7/8	1 1/2	2
24253A	8 1/4	4	2
24257A	12 1/8	8	2
24259A	10 9/16	6	3

Features

- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion.



24010A

WILLIAMS®

6 PIECE TORX® SCREWDRIVER SET

Three Component Comfort Grip Handles

Product Code	Description
24010A	6 Piece TORX® Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
24263A	7 1/4	4	T10
24265A	7 1/4	4	T15
24267A	7 3/4	4	T20
24269A	8 1/4	4	T25
24271A	8 1/4	4	T27
24273A	8 1/4	4	T30

Features

- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion.

MAGNETIC RATCHETING SCREWDRIVERS

Comfort Grip Handle

Product Code	Description/ Handle Style	Overall Length (Inches)	Bits Included
808050	Standard Length	10	Yes *
808050L	Standard Length with LED Light	10	Yes *
808050P	Swivel Pistol Grip	10	Yes *
808050S	Stubby	4	No
808050TS	T-Handle Stubby	4	No

Features

- *Includes 6 bits: 2 slotted, #1 Phillips®, #2 Phillips®, PZ1, PZ2
- Ratchet is easily reversed no repositioning of the hand needed
- Bit Storage easy push button release
- Blade with magnetic 1/4" bit holder to hold the bits
- Two component oval handle with high friction surface provides comfort and increased torque
- Knurled blade for fast spinning of the fastener
- Easy bit storage in handle
- Pistol handle swivels and locks at 30° position for application of higher torque when necessary



808050

808050L

808050P

18 PIECE STUBBY RATCHETING SCREWDRIVER SET

Product Code	Description
808050S-18	18 Piece Stubby Ratcheting Screwdriver Set

Contents Include:

- Stubby ratchet Screwdriver
- 1/4" x 1/4" Socket Adaptor
- 1/4" sq x 1/4" hex bit holder 50 mm
- 1/4" sq x 1/4" sq Flexible Socket Adaptor 150 mm
- 1/4" x 1/4" Bit Adaptor
- 8 Pieces S2 zinc Phosphate Bits: PH1, PH2, PZ1, PZ2, T15,T20, SL 4 HEX 3
- 5 Piece 1/4" Sockets: 4,5,6,7,8 mm



808050S-18

22 PIECE STUBBY RATCHETING SCREWDRIVER SET

Product Code	Description
808050S-22	22 Piece Stubby Ratcheting Screwdriver Set

Contents Include:

- Stubby ratchet Screwdriver
- 1/4" x 1/4" Socket Adaptor
- 1/4" sq x 1/4" hex bit holder 50 mm
- 1/4" sq x 1/4" sq Flexible Socket Adaptor 150 mm
- 1/4" x 1/4" Bit Adaptor
- 17 Pieces S2 zinc Phosphate Bits: PH1, PH2, PZ1, PZ2, T-10, T15,T20, T25, T-27, T-30, T-40, SL 4, SL 5, SL 5.5, SL 6.5, SL 1/4



808050S-22

WARNING



WRS-1

WILLIAMS®

MAGNETIC RATCHETING SCREWDRIVER

Comfort Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)
WRS-1	9	4

Made in U.S.A.

Features

- Includes 5 bits: 2 slotted, #1 Phillips®, #2 Phillips®, and T-15 TORX®.
- Ergonomically designed handle for greater user comfort and control.
- Hi-impact plastic handle for durability and flexibility in all types of work applications.
- Heavy-duty 3-way On-Off-Locked ratcheting mechanism allows consistent and smooth operation.
- Powerful magnetic shank securely holds bit in place before, during and after the job application.
- Stainless steel shank eliminates problems of chrome chipping or rust.
- Easy bit storage in handle.
- Accepts all standard 1/4" hex shank bits.



WRST8

WRST1

WRST4

WILLIAMS®

T-HANDLE RATCHETING SCREWDRIVER

Comfort Grip T-Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)
WRST1	3 7/8	2
WRST4	5 13/16	3 7/8
WRST8	9 13/16	7 7/8

Made in U.S.A.

Features

- Includes #2 Phillips® bit.
- Ergonomically designed T-Handle fits the palm and provides extra leverage.
- Hi-impact plastic handle for durability and flexibility in all types of work applications.
- Heavy-duty 3-way On-Off-Locked ratcheting mechanism allows consistent and smooth operation.
- Stainless steel shank eliminates problems of chrome chipping or rust.
- Accept all standard 1/4" hex shank bits.



BE-8577

808050A

BAHCO®

1/4" HEX SHANK BIT HOLDERS

3-Component Handle

Product Code	Overall Length (Inches)	Bits Included
BE-8577	9 29/64	No
*808050A	10	PH1, Ph2, PZ1,PZ2, SL4.5, SL5.5
*808050TORX	10	T10, T15, T20, T25, T30, T40

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands
- Scientific 11-step ergonomic design optimizes correct hand position for quick turning and precision control
- Accepts all standard 1/4" hex shank bits
- *Cartridge style bit holder in handle stores six bits

BAHCOFIT MAGNETIC BIT HOLDER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Size
B705.1/4.125	9	5	1/4"

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B705.1/4.125

ERGO® SLOTTED SCREWDRIVERS WITH BOLSTER

Three Component Handle with Black Oxide Tips and Bolster

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
BE-8158	9 3/4	5	7/32
BE-8160	9 3/4	5	5/16
BE-8159	10 3/4	6	1/4
BE-8260	11 3/4	7	5/16
BE-8865 **	13 1/2	7	5/16
BE-8870 **	13 1/2	7	3/8
BE-8880 **	14 1/2	8	1/2
BE-8890 **	14 1/2	8	9/16

** Dual grip handle for two-handed operation provides extra torque when necessary

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.
- Blades are equipped with bolster for use with wrench when extra torque is required.





BE-8880

WARNING



BE-8150

ERGO® SLOTTED SCREWDRIVERS

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
BE-8150	8 3/4	4	7/32
BE-8144	8 3/4	4	1/4
BE-8155	9 3/4	5	1/4
BE-8256	10 3/4	6	5/16
BE-8250	10 3/4	6	7/32
BE-8255	10 3/4	6	1/4
BE-8257	11 3/4	7	5/16
BE-8258	14 1/2	8	3/8

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.



BE-8355

BE-8210

BE-8240

ERGO® SLOTTED SCREWDRIVERS W/CABINET TIP

ERGO® 3-Component Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
BE-8330	3 1/4	1	9/64
BE-8340	3 1/4	1	5/32
BE-8350	3 1/4	1	7/32
BE-8355	3 1/4	1	1/4
BE-8360	3 1/4	1	5/16
BE-8450	4	1 3/4	5/32
BE-8455	4	1 3/4	1/4
BE-8010	6	2	3/32
BE-8020	6	2	1/8
BE-8020L	6	3	1/8
BE-8002	7	2 1/3	3/32
BE-8210	7	3	3/32
BE-8030	7 3/4	3	9/64
BE-8040	8 3/4	4	5/32
BE-8220	9	5	1/8
BE-8022	9 3/4	5	1/8
BE-8230	9 3/4	5	9/64
BE-8241	9 3/4	5	7/32
BE-8251	10 3/4	6	1/4
BE-8240	11 3/4	7	5/32
BE-8225	12 1/2	8	1/8
BE-8235	12 1/2	8	9/64

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicate tip type and show tip type symbol on butt of handle for quick identification.
- Cabinet tip allows access to recessed screws.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.

WILLIAMS®

SLOTTED SCREWDRIVERS

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
SDS-62	3 1/2	1 3/4	1/4
SDR-22	6 1/8	3	3/16
SDR-24	7 7/8	4	1/4
SDR-26	10 11/16	6	5/16
SDR-28	12 11/16	8	3/8
SDR-30	14 3/4	10	7/16
SDS-33	17 13/16	12	3/8

Features

Made in U.S.A.

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.
- *SDS-33 features 3/8" heavy-duty square shank



SDR-24

WILLIAMS®

ELECTRICIAN'S SCREWDRIVERS W/THIN BLADE

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
SDE-4	7 15/16	4	1/4
SDE-8	11 15/16	12	1/4
SDE-43	6 11/16	3	3/16
SDE-46	9 11/16	6	3/16
SDE-50	13 3/4	10	3/16
SDE-53	6 13/64	3	1/8

Features

Made in U.S.A.

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.



SDE-46

BAHCO®

BAHCOFIT SLOTTED SCREWDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B190.040.075	6 3/4	3	5/32
B190.040.100	7 3/4	4	5/32
B190.055.100	8	4	7/32
B190.055.125	9	5	7/32
B190.065.125	9 1/2	5	1/4
B190.065.150	10 1/2	6	1/4
B190.080.150	10 1/2	6	5/16
B190.080.175	11 1/2	7	5/16
B190.100.200	12 1/2	8	3/8
B190.120.250	14 1/2	10	1/2
B190.140.250	14 1/2	10	9/16
B195.040.025	3 1/3	1	5/32
B195.050.025	3 1/3	1	3/16
B195.060.025	3 1/3	1	1/4

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B190.050.025

B195.050.025

WARNING



B191.055.125

BAHCO

BAHCOFIT ELECTRICIANS SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B191.025.075	6 3/4	3	3/32
B191.030.075	6 3/4	3	1/8
B191.030.100	7 3/4	4	1/8
B191.030.200	11 3/4	8	1/8
B191.035.100	7 3/4	4	9/64
B191.040.100	7 3/4	4	5/32
B191.040.125	8 3/4	5	5/32
B191.040.250	13 3/4	10	5/32
B191.055.125	9	5	7/32
B191.055.150	10	6	7/32
B191.055.300	16	12	7/32
B191.065.150	10 1/2	6	1/4
B191.065.300	16 1/2	12	1/4

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



24203A

24209A

WILLIAMS

SLOTTED SCREWDRIVERS

Three Component Comfort Grip Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24203A	3 7/8	1 1/2	3/16
24205A	7 3/4	4	3/16
24209A	9 3/4	6	3/16
24215A	12 11/16	9	3/16
24217A	3 7/8	1 1/2	1/4
24219A	8 1/4	4	1/4
24229A	10 3/16	6	1/4
24237A	10 9/16	6	5/16
24239A	12 9/16	8	5/16
24241A	12 9/16	8	3/8
24243A	16 1/2	12	3/8

Features

- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion.



24211A

WILLIAMS

SLOTTED SCREWDRIVERS W/CABINET TIP

Three Component Comfort Grip Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24201A	6 11/16	4	1/8
24207A	6 13/16	3	3/16
24211A	9 3/4	6	3/16
24213A	13 11/16	10	3/16

Features

- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion.

ERGO® PHILLIPS® SCREWDRIVERS WITH BOLSTER

Three Component Handle with Black Oxide Tips and Bolster

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
BE-8630	10 3/4	6	3
BE-8628	8 3/4	4	1
BE-8629	9 3/4	5	2
BE-8640 **	14 1/4	8	4

** Dual grip handle for two-handed operation provides extra torque when necessary

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.



BE-8630

BE-8640

ERGO® PHILLIPS® SCREWDRIVERS

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
BE-8601	3	1	1
BE-8602	3	1	2
BE-8600	6 1/2	2 3/16	0
BE-8610	7 3/4	3	1
BE-8611	7 3/4	3	1
BE-8605	8 3/4	4	0
BE-8620	8 3/4	4	2
BE-8621	8 3/4	4	2
BE-8622	10 3/4	6	2
BE-8623	10 3/4	6	3
BE-8610L	12 3/4	8	1
BE-8620L	12 3/4	8	2
BE-8624	10 1/4	8	4

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.



BE-8620

WARNING



SDP-2-4

WILLIAMS

PHILLIPS® SCREWDRIVERS W/ROUND BLADES

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
SDP-1-3	6 1/4	3	1
SDP-2-ST*	3 3/8	1 1/2	2
SDP-2-4	7 15/16	4	2
SDP-2-8*	12	8	2
SDP-3-6	10 1/2	6	3
SDP-4-6	10 3/4	6	4

* Does not have Bolster

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.



B192.001.100

B195.001.025

BAHCO

BAHCOFIT PHILLIPS SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
B192.000.075	6 3/4	3	0
B192.000.200	11 3/4	8	0
B192.001.100	8	4	1
B192.001.250	14	10	1
B192.002.125	9 1/2	5	2
B192.002.300	16 1/2	12	2
B192.003.150	10 1/2	6	3
B192.004.200	12 1/2	8	4
B195.001.025	3 1/3	1	1
B195.002.025	3 1/3	1	2

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



24251A

24253A

WILLIAMS

PHILLIPS® SCREWDRIVERS

Three Component Comfort Grip Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
24247A	3 7/8	1 1/2	1
24249A	5 11/16	3	1
24251A	3 7/8	1 1/2	2
24253A	8 1/4	4	2
24255A	10 3/16	6	2
24257A	12 1/8	8	2
24259A	10 9/16	6	3

Features

- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion.

ERGO® POZIDRIV® SCREWDRIVERS

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
BE-8802	3 1/4	1	2
BE-8800	7 1/4	2 1/4	0
BE-8810	7 3/4	3	1
BE-8820	8 3/4	4	2
BE-8821	8 3/4	4	2
BE-8823	10 3/4	6	3
BE-8810L	12 1/2	4	1
BE-8820L	12 1/2	4	2
BE-8824	14 1/4	4	4


BE-8810

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.

BAHCOFIT POZIDRIV® SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
B193.000.075	6 3/4	3	# 0
B193.001.100	8	4	# 1
B193.002.125	9 1/2	5	# 2
B193.003.150	10 1/2	6	# 3
B193.004.200	12 1/2	8	# 4
B195.901.025	3 1/3	1	# 1
B195.902.025	3 1/3	1	# 2



B193.001.100

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

ERGO® TAMPER RESISTANT TORX® SCREWDRIVERS

Three Component Handle with Black Oxide Tips

Product Code	Overall Length(Inches)	Blade Length (Inches)	TORX® Size
BE-7910	7 3/8	2 5/8	T10
BE-7915	7 1/2	2 3/4	T15
BE-7920	8	3 5/32	T20
BE-7925	8	3 5/32	T25
BE-7927	8 3/4	4	T27
BE-7930	8 3/4	4	T30
BE-7940 **	11 5/8	5 1/8	T40

** Dual grip handle for two-handed operation provides extra torque when necessary


BE-7915


BE-7940

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.

WARNING



B141.025.125

BAHCOFIT TAMPER RESISTANT TORX® SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
B141.007.075	6 3/4	3	T7
B141.008.075	6 3/4	3	T8
B141.009.075	6 3/4	3	T9
B141.010.075	6 3/4	3	T10
B141.015.100	7 3/4	4	T15
B141.020.100	7 3/4	4	T20
B141.025.125	9	5	T25
B141.027.125	9	5	T27
B141.030.150	10 1/2	6	T30
B141.040.150	10 1/2	6	T40

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.





ERGO® TORX® SCREWDRIVERS

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
BE-8904	6	3	4
BE-8905	6	3	5
BE-8906	6	2	T6
BE-8907	6 1/4	2 5/32	T7
BE-8908	6 3/8	2 3/8	T8
BE-8909	7 1/4	2 3/8	T9
BE-8910	7 3/8	2 1/2	T10
BE-8915	7 1/2	2 1/4	T15
BE-8920	8	3 1/8	T20
BE-8925	8	3 1/8	T25
BE-8927	8 3/4	4	T27
BE-8930	8 3/4	4	T30
BE-8940 **	11 1/2	5	T40
BE-8945 **	11 1/2	5	T45

** Dual grip handle for two-handed operation provides extra torque when necessary

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.



B194.010.075

BAHCOFIT TORX® SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
B194.004.075	6 3/4	3	T4
B194.005.075	6 3/4	3	T5
B194.006.075	6 3/4	3	T6
B194.007.075	6 3/4	3	T7
B194.008.075	6 3/4	3	T8
B194.009.075	6 3/4	3	T9
B194.010.075	6 3/4	3	T10
B194.015.100	7 3/4	4	T15
B194.020.100	7 3/4	4	T20
B194.025.125	9	5	T25
B194.027.125	9	5	T27
B194.030.150	10 1/2	6	T30
B194.040.150	10 1/2	6	T40
B194.045.150	10 1/2	6	T45

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

WILLIAMS®

TORX® SCREWDRIVERS

Three Component Comfort Grip Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
24263A	7 3/4	4	T10
24265A	7 3/4	4	T15
24267A	7 3/4	4	T20
24269A	8 1/4	4	T25
24271A	8 1/4	4	T27
24273A	8 1/4	4	T30

Features

- 3 component handles provides a maximum comfort grip.
- Size is shown on blade and tip style is shown on handle for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Sand blasted tip for greater screw-tip adherence and high resistance against corrosion



24269A

BAHCO®

ergo

ERGO® ROBERTSON® SCREWDRIVERS

Three Component Handle with Black Oxide Tips For Square Recess Screws

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Size (For Screw Sizes)
BE-9001	8	3 1/8	1 (5, 6, 7)
BE-9002	8	3 1/8	2 (8, 9, 10)
BE-9003	8 3/4	4	3 (12, 14)

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.



BE-9002

BAHCO®

BAHCOFIT ROBERTSON® SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Size
B144.001.100	7 3/4	4	1
B144.002.125	9	5	2
B144.003.150	10 1/2	6	3

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B144.001.100

WILLIAMS®

OFFSET SCREWDRIVERS

Cushion Grip Handle

Product Code	Overall Length (Inches)	Tip/Width
24101	4	Slotted 3/16 x PH1
24102	4	Slotted 1/4 x PH2
24103	6	Slotted 5/16 x PH3
24104	4	Phillips® # 1 x # 2
24105	8	Phillips® # 3 x # 4



24101

Features

- Blades are made from special alloy steel for extra strength
- One piece tool steel construction
- Tips are 90 degree angled

WARNING



B143.030.100

BAHCO

BAHCOFIT BALL END HEX SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Ball Hex Size (mm)
B143.020.100	7 ¾	4	2
B143.025.100	7 ¾	4	2.5
B143.030.100	7 ¾	4	3
B143.040.100	7 ¾	4	4
B143.050.100	8	4	5
B143.060.125	9 ½	5	6
B143.080.150	10 ½	6	8

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B198.050.150

BAHCO

BAHCOFIT NUTDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (mm)
B198.040.125	8 ¾	5	4
B198.045.125	8 ¾	5	4.5
B198.050.150	9 ¾	6	5
B198.055.150	9 ¾	6	5.5
B198.060.150	9 ¾	6	6
B198.060.150F	9 ¾	6	6
B198.070.150	10 ½	6	7
B198.070.150F	10 ½	6	7
B198.080.150	10 ½	6	8
B198.080.150F	10 ½	6	8
B198.090.150	10 ½	6	9
B198.100.150	10 ½	6	10
B198.110.150	10 ½	6	11
B198.120.150	10 ½	6	12
B198.130.150	10 ½	6	13
B198.140.150	10 ½	6	14

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



M781

BAHCO

MAGNETIZER/DEMAGNETIZER

Quick-Release, Narrow Head Design

Product Code	Description
M781	Magnetizer/Demagnetizer

Features

- Easier to drive and retrieve screws after magnetizing.
- Use the demagnetizer to make drivers and other tools safe around electronics.

WILLIAMS®

NUTDRIVERS, SAE

Cushion Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (Inches)
24401	7	3	3/16
24403	7	3	1/4
24405	7	3	5/16
24407	7	3	11/32
24409	7	3	3/8
24411	7	3	7/16
24413	7	3	1/2

24050 7 Piece Nutdriver Set in Carrying Caddy
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
24401	3/16	24409	3/8
24403	1/4	24411	7/16
24405	5/16	24413	1/2
24407	11/32		



24050

Features
- Hollow shaft accommodates long bolts or studs.
- Precision machined socket end.
- Cushion grip handle for comfort.
- Size imprinted on color coded ends for easy identification.

WILLIAMS®

LONG SHAFT NUTDRIVERS, MM

Cushion Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (mm)
24451	9	5	4
24452	9	5	5
24453	9	5	5.5
24454	9	5	6
24455	9	5	7
24456	9	5	8
24457	9	5	9
24458	9	5	10
24459	9	5	11
24460	9	5	12
24461	9	5	13
24462	9	5	14

24061 12 Piece Nutdriver Set in Plastic Tray
Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
24451	4	24455	7	24459	11
24452	5	24456	8	24460	12
24453	5.5	24457	9	24461	13
24454	6	24458	10	24462	14



24061

WILLIAMS®

LONG SHAFT NUTDRIVERS, SAE

Cushion Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (Inches)
24415	9	5	3/16
24416	9	5	1/4
24417	9	5	5/16
24418	9	5	11/32
24419	9	5	3/8
24420	9	5	7/16
24421	9	5	1/2
24422	9	5	9/16
24423	9	5	5/8

24051 9 Piece Nutdriver Set in Plastic Tray
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
24415	3/16	24418	11/32	24421	1/2
24416	1/4	24419	3/8	24422	9/16
24417	5/16	24420	7/16	24423	5/8



24051

Features
- Solid shaft accommodates long bolts or studs.
- Precision machined socket end.
- Cushion grip handle for comfort.
- Size imprinted on color coded ends for easy identification.

⚠ WARNING



24900

Features

- S2 material for higher torque, optimum durability and performance.
- All parts are engineered and produced according to ANSI standard.
- The set also includes a magnetic bit holder allowing for quick change of driving bits.
- Folding case design is compact and robust with pivoting dual bit holders that allow for easy and quick access to the accessories
- Industrial case is made from a highly durable, plastic material

WILLIAMS®

72 PIECE BIT SET

Product Code	Description
24900	72 Piece Bit Set

Contents Include:

Hex

Product Code	Size	Length
24914	1/4	1"
24912	3/16	1"
24915	5/16	1"
24911	5/32	1"
24913	7/32	1"

Phillips

Product Code	Size	Length
24918	1	1"
24931	2	1"
24901	3	1"
24927	1	2"
24916	2	2"
24928	3	2"

Pozidriv

Product Code	Size	Length
24932	2	1"
24902	3	1"
24917	2	2"
24929	3	2"

Square

Product Code	Size	Length
24907	2	1"
24908	3	1"
24930	2	2"

Slotted Tip

Product Code	Size	Length
24903	6-8	1"
24904	8-10	1"
24905	10-12	1"
24906	12-14	1"
24936	8-10	2"
24937	10-12	2"
24938	12-14	2"

TORX®

Product Code	Size	Length
24919	7	1"
24920	8	1"
24921	10	1"
24922	15	1"
24923	20	1"
24924	25	1"
24925	27	1"
24909	30	1"
24926	30	1"
24910	40	1"
24933	15	2"
24934	20	2"
24935	25	2"

Nut Driver

Product Code	Size	Length
24941	1/4	1"
24944	11/32	1"
24940	3/16	1"
24945	3/8	1"
24943	5/16	1"
24939	5/32	1"
24946	7/16	1"
24942	9/32	1"

Hex Magnetic Holder

Product Code	Description
24947	Hex Magnetic Holder

1/4" HEX BIT SETS IN PLASTIC STORAGE CASES

Product Code	Description
59S/31-1	31 Piece Bit in Plastic Case

Contents Include (quantity)

#1 Phillips®	#3 Pozidriv®	T-10 TORX®	T-30 TORX®	KM653-QR - Magnetic Quick Release bit holder
#2 Phillips® (3)	Drywall	T-15 TORX® (3)	3MM Hex	
#3 Phillips®	1/8" Slotted	T-20 TORX® (3)	4MM Hex	
#1 Pozidriv®	11/64" Slotted	T-25 TORX® (2)	5MM Hex	
#2 Pozidriv® (3)	7/32" Slotted	T-27 TORX®	6MM Hex	



59S/31-1

1/4" HEX BIT SET IN PLASTIC STORAGE CASE

Two Component Handle with Black Oxide Tip

Product Code	Contents Include
59S/31B	Slotted, Phillips®, Pozidriv®, TORX® Hexagon Screw, bit holder and socket adapter 1/4"



59S/31B



B147.001.400

BAHCOFIT FLEXIBLE MAGNETIC PULLER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (Inches)
B147.001.400	20	16	3/8
B147.003.400	20 1/2	16	1/2



B145.006.100

B195.006.050

BAHCOFIT SCRATCH AWL

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Size
B145.006.100	8	4	1/4
B195.006.050	4 1/3	2	1/4
BE-8986	8	2 1/4	1/4



BE-8986

BAHCOFIT REAMER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Size
B146.006.100	8	4	1/4

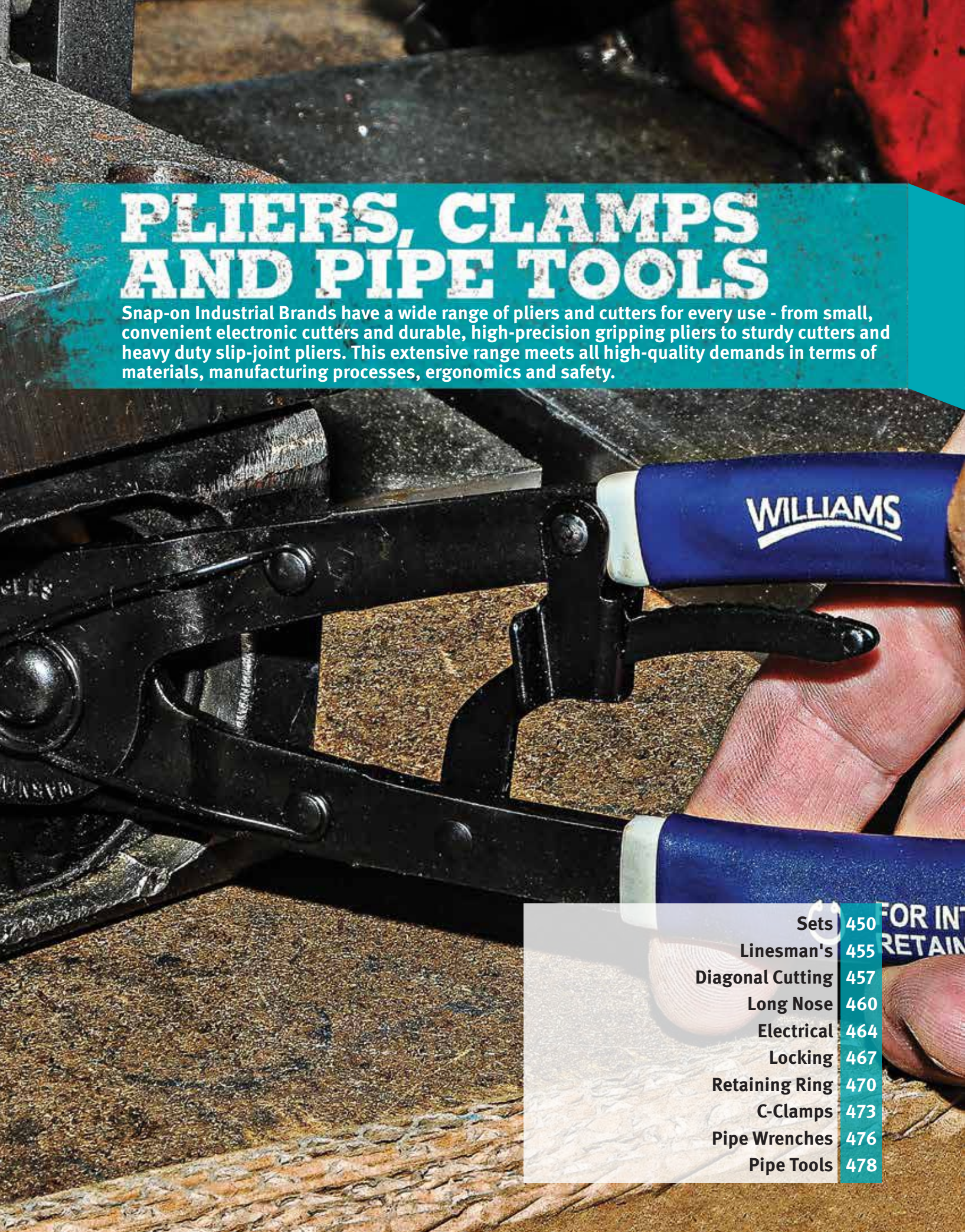


B146.006.100

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

WARNING



PLIERS, CLAMPS AND PIPE TOOLS

Snap-on Industrial Brands have a wide range of pliers and cutters for every use - from small, convenient electronic cutters and durable, high-precision gripping pliers to sturdy cutters and heavy duty slip-joint pliers. This extensive range meets all high-quality demands in terms of materials, manufacturing processes, ergonomics and safety.

Sets	450
Linesman's	455
Diagonal Cutting	457
Long Nose	460
Electrical	464
Locking	467
Retaining Ring	470
C-Clamps	473
Pipe Wrenches	476
Pipe Tools	478

17 PIECE COMBINATION PLIER SET

Product Code	Description
PLS-17	17 Piece Combination Plier Set

Contents Include:

Product Code	Description	Handle Type
23102	8" Slip Joint	Double Dipped Plastic Handles
23105	9 ¾" Groove Joint	Double Dipped Plastic Handles
23107	15 ¾" Groove Joint	Double Dipped Plastic Handles
23407	7" Heavy Duty Diagonal Cutting	Double Dipped Plastic Handles
23409	6 ¼" Bent Nose	Double Dipped Plastic Handles
23411	8" long nose	Double Dipped Plastic Handles
23503	8 ¼" Multi-Purpose Wire Cutter	Double Dipped Plastic Handles with Curved Wire Cutter
23542	5 ½" Mini Wire Cutter	Double Dipped Plastic Handles with Curved Wire Cutter
23603	9" Heavy Duty Linesman	Double Dipped Plastic and Bi-Mold Comfort Grip Handles
2628G-180	7" Ergo Side Cutting Combination	Ergonomically Designed Handles
2971G-250	10" Water Pump	Double Dipped Plastic Handles
2979D-180	7" Nut Gripping	Heavy Duty Design with PVC Grips
PL-146C	6 ½" Duck Bill	Double Dipped Plastic Handles
PL-167	7 ½" End Cutting	Double Dipped Plastic Handles
PL-211BC	11" Bent Nose	Double Dipped Plastic Handles
PL-211C	11" Long Reach Chain Nose	Double Dipped Plastic Handles
PL-411C	11" Extra Long Diagonal	Double Dipped Plastic Handles

Features

- Combines Bahco and Williams most popular pliers in a single set.
- Double-dipped plastic handle grips are comfortable yet durable.
- ergo handles provide maximum gripping comfort



PLS-17

6 PIECE GENERAL SERVICE PLIERS SET

Double-Dipped Plastic Handles

Product Code	Description
PLS-6A	6 Piece General Service Pliers Set

Contents Include:

Product Code	Description
PL-1519C	5" utility superjoint
PL-1520C	10" utility superjoint
PL-46C	6" diagonal cutting
PL-76C	6 ½" chain nose side cutters
2628G-160	7" side cutting
23503	8 ¼" front-end stripper

Features

- Combines Williams' most popular pliers in to a single set.
- 6 piece set packaged in a pouch.



PLS-6A

WARNING



23054

WILLIAMS®

4 PIECE COMBINATION PLIERS SET

Double-Dipped Plastic Handles

Product Code	Description
23054	4 Piece Combination Pliers Set

Contents Include:

Product Code	Description
23106	11 3/4" groove joint pliers
23403	8" linesman pliers
23407	7" heavy-duty diagonal cutting pliers
23411	8" long nose pliers

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- Packaged in a bag.



23052

WILLIAMS®

4 PIECE COMBINATION PLIERS SET

Double-Dipped Plastic Handles

Product Code	Description
23052	4 Piece Combination Pliers Set

Contents Include:

Product Code	Description
23102	8" slip joint pliers
23105	9 3/4" groove joint pliers
23407	7" heavy-duty diagonal cutting pliers
23411	8" long nose pliers

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- Packaged in a bag.



23053

BAHCO®

3 PIECE ALLIGATOR PLIER SET

Double Dipped Plastic Handles

Product Code	Description
23053	4 Piece Alligator Plier Set

Contents Include:

Product Code	Description
222D	6"
223D	7 1/2"
224D	9 1/2"

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- Packaged in a bag.

BAHCO BIG-MOUTH ERGO® ADJUSTABLE JOINT PLIERS

True Ergonomic Handles with Bi-Molded Grips

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Tip Width (Inches)
8231	9	2	3/8

Features

- 12" capacity in an 8" pliers!
- One-button setting provides fast and secure jaw width changes with a single touch of the thumb.
- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Hardened jaws and teeth for exceptionally tough gripping surface.
- Wide, deep opening jaws have flat and pipe grip jaw so one pair of pliers can be used for more jobs.



8231

ERGO® ADJUSTABLE JOINT PLIERS

True Ergonomic Handles with Bi-Molded Grips

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Tip Width (Inches)
8223	8	1 1/2	9/32
8224	10	1 3/4	5/16
8225	12	2 5/32	3/8
8226	16	3	7/16

Features

- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Hardened jaws and teeth for exceptionally tough gripping surface.
- One-button setting provides fast and secure jaw width changes with a single touch of the thumb.
- Wide, deep opening jaws have flat and pipe grip jaw so one pair of pliers can be used for more jobs.



8224

ALLIGATOR PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)
221D	4 1/2	11/16
222D	6	15/16
223D	7 1/2	1 1/4
224D	9 1/2	1 3/4
225D	12	2 1/4

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are phosphate finish for rust protection.
- Parallel jaw grip in all positions to maximum opening.



223D

WARNING



PL-1524C

WILLIAMS®

UTILITY SUPERJOINT PLIERS

Double-Dipped Plastic Handles

Features	Overall Length (Inches)	Maximum Opening (Inches)	Tip Width (Inches)
PL-1519C	5	1/2	3/16
PL-1520C	10	1 1/2	5/16
PL-1523C	12	2 5/8	1/2
PL-1524C	16	4	1/2

Features

- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- Polished heads resist rust and corrosion, extending the tool life.

Made in U.S.A.



23104

WILLIAMS®

GROOVE JOINT PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)
23104	7	3/4
23105	9 3/4	1 7/8
23106	11 3/4	2 1/4
23107	16	4 3/4

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are phosphate finish for rust protection.
- Parallel jaw grip in all positions to maximum opening.

ergo





2628G

BAHCO®

ERGO® SIDE CUTTING COMBINATION PLIERS

Ergonomically Designed Handles with Bi-Molded Grips and On/Off Return Spring

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
2628G-160	6 1/4	1 5/16	1/16 Hard Steel
2628G-180	7	1 7/16	5/64 Hard Steel
2628G-200	8	1 1/2	7/64 Hard Steel

Features

- ERGO® handles provide maximum gripping comfort.
- On/off return spring for higher comfort and higher frequency cutting may be turned off when tool is kept in belt or pocket.
- High-leverage joint placement to reduce the cutting force. Joint design ensures a smooth joint action.
- Heavy-duty design - high performance tool steel construction adds extra strength.
- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.

BAHCO

UNIVERSAL PLIERS WRENCHES

With Comfort Grip

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Pipe Maximum Diameter (Inches)
140	8 7/16	1 3/16	3/4
141	11	1 3/8	1
142	14 1/2	2 1/16	1 1/2
143	21 7/8	3 1/16	2 1/2
144	28 3/8	4 3/8	3 1/2
147	41 3/4	6 5/16	5

Features
- Black oxide and anti-rust treated high alloy steel provide long life and durability.
- Precision induction hardened jaws are designed with inwardly angled aggressive teeth.
- Outer part of jaw is large toothed and used for maximum grip on large diameter pipes.
- Inner part of jaw is fine toothed and used for maximum grip on small diameter pipes.
- Commonly called a "Swedish Pipe Wrench", the small head makes them ideal for working in confined areas.


142

BAHCO

WATER PUMP PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Width (Inches)	Description
7223	8	1 1/2"	1/2	Quick adjust water pump pliers
7224	10	2	5/8"	Quick adjust water pump plier
7225	12	2 5/8"	7/8"	Quick adjust water pump pliers
2971G-250	10	1 1/2"	1/2	Water pump plier

Features
- Fast adjustment and memory retention of jaw opening.
- Slim jaws shaped for nuts and pipes.


7224


2971G-250

WILLIAMS

COMBINATION SLIP-JOINT PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Width (Inches)
PL-6C	6	1 5/32	3/8
PL-8C	8	1 13/32	3/8
PL-10C	10	1 13/32	1/2

Features
- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- Polished heads resist rust and corrosion, extending the tool life.
- Shear type wire cutter extends tool use.

USA
Made in U.S.A.


PL-8C

WILLIAMS

COMBINATION SLIP-JOINT PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)
23101	6 1/4
23102	8
23103	9 3/4

Features
- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- 2 position joint allows wide range of grip.
- Shear type wire cutter extends tool use.


23101

WARNING



2979D

BAHCO

NUT GRIPPING PLIERS

Heavy-Duty Design with PVC Grips

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Width (Inches)
2979D-180	7	1/2	7/16

Features

- Conical jaws with teeth facing inward provide maximum gripping power.
- Heavy-duty design combined with high performance tool steel construction adds extra strength.



PL-204C



PL-209X

WILLIAMS

INDUSTRIAL GRADE LINESMAN'S PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-204C	Electrician's	7	1/2
PL-205C	Electrician's	8 1/2	17/32
PL-209X	New England	9 1/2	3/4

Made in U.S.A.

Features

- Designed for wiring, electrical equipment installation and maintenance for utility linemen.
- Polished faces look good and resist corrosion.
- Induction hardened cutting edges stay sharp longer.
- Diamond serrated jaws provide solid grip on wire.
- Double-dipped plastic handle grips are comfortable yet durable.



PL-208



PL-209

WILLIAMS

INDUSTRIAL GRADE LINESMAN'S PLIERS

Supplied Without Grips

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-208	Linesman's	8 1/2	17/32
PL-209	New England	9 1/2	3/4

Made in U.S.A.

Features

- Designed for wiring, electrical equipment installation and maintenance for utility linemen.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges stay sharp longer.
- Diamond serrated jaws provide solid grip on wire.
- Supplied without grips - handles are bare steel.

WILLIAMS®

HEAVY-DUTY PIANO WIRE CUTTING LINESMAN'S PLIERS

Double-Dipped Plastic and Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)	Handle Style	Maximum Cutting Capacity (Inches)
23603	9	Double-Dipped	3/32 Piano Wire

Features

- Specially heat-treated for cutting piano wire and other hard wire.
- High leverage jaws for increase cutting power.
- Cross-cut teeth for extra gripping power.
- Induction hardened and precisely ground cutting edges stay sharp longer.



23603

WILLIAMS®

STANDARD LINESMAN'S PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)
23402	7	1/2
23403	8	17/32

Features

- High leverage jaws for increase cutting power.
- Cross-cut teeth for extra gripping power.
- Induction hardened and precisely ground cutting edges stay sharp longer.



23402

⚠WARNING

HEAVY DUTY ERGO® SIDE CUTTING PLIERS

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
21HDG-140	5 1/2	5/8	5/64 Piano Wire
21HDG-160	6 1/4	3/4	3/32 Piano Wire
21HDG-180	7	13/16	1/8 Piano Wire
21HDG-200	7 3/4	13/16	1/8 Piano Wire

Features

- Heavy duty cutting edge provides a sturdy cut all over the blade.
- Reinforced metal frame has been designed to withstand extreme conditions and hold up extra hard wires.
- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Extra wide handle two-component material reduces stress ans strain, and to increase comfort
- Lacquer finish protects against rust.
- High Frequency hardened cutting edges hold their precision-sharpened cutting surfaces.



21HDG-140

HEAVY DUTY ERGO® ANGLED SIDE CUTTING PLIERS

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
21HDG-140A	5 1/2	5/8	5/64 Piano Wire
21HDG-160A	6 1/4	3/4	3/32 Piano Wire
21HDG-180A	7	13/16	1/8 Piano Wire
21HDG-200A	7 3/4	13/16	1/8 Piano Wire

Features

- Heavy duty cutting edge provides a sturdy cut all over the blade.
- Reinforced metal frame has been designed to withstand extreme conditions and hold up extra hard wires.
- Angled at 14 degree to enhance accessibility
- Perfect for Nail cutting
- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Extra wide handle two-component material reduces stress ans strain, and to increase comfort
- Lacquer finish protects against rust.
- High Frequency hardened cutting edges hold their precision-sharpened cutting surfaces.



21HDG-140A

ERGO® DIAGONAL CUTTING PLIERS

Piano Wire Cutting and True Ergonomic Handles with Bi-Molded Grips

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
2101G-125	4 7/8	9/16	1/16 Piano Wire
2101G-140	5 1/2	5/8	1/16 Piano Wire
2101G-160	6 1/4	3/4	5/64 Piano Wire
2101G-180	7	13/16	3/32 Piano Wire

Features

- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Extra wide handle two-component material reduces stress and strain, and to increase comfort.
- Lacquer finish protects against rust.
- High frequency hardened cutting edges hold their precision-sharpened cutting surfaces.



2101G

WILLIAMS®

HIGH LEVERAGE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Cutting Blade Length (Inches)
PL-57C	High Leverage Head	7 1/4	15/16
PL-411C	Extra Long Handle, Offset Head	11	1

Features

Made in U.S.A.

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.



PL-57C

PL-411C

WILLIAMS®

INDUSTRIAL GRADE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)
PL-44C	4	17/32
PL-45C	5	11/16
PL-46C	6	3/4
PL-47C	7	11/16

Features

Made in U.S.A.

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.
- Regular flush cutters are used for cutting hard wire.



PL-46C

WILLIAMS®

FLUSH CUT DIAGONAL CUTTING PLIERS WITH SPRING

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)
PLM-1CS	4 1/4	17/32
PL-40CS	5	11/16

Features

Made in U.S.A.

- Handles are designed to cut wire with ease
- Polished heads resist rust and corrosion, extending the tool life
- Induction hardened cutting edges
- Flush cutters are used for close cutting of medium wire



PL-40CS

BAHCO®

ergo

PLASTIC

ERGO® SIDE CUTTING PLIERS FOR PLASTIC

True Ergonomic Handles with Bi-Molded Grips

Product Code	Overall Length (Inches)	Jaw Length	Maximum Cutting Capacity
2101PG-180	6 1/4	3/4	1 1/2

Features

- Full flush cutting edge without beveling which is designed to smoothly cut all kinds of plastic parts such as the flash of plastic components
- Suitable for bridle cutting
- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Extra wide handle two-component material reduces stress ans strain, and to increase comfort
- Lacquer finish protects against rust.
- High Frequency hardened cutting edges hold their precision-sharpened cutting surfaces.



2101PG-180

WARNING



PL-48C

WILLIAMS®

PLASTIC CUTTING DIAGONAL PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)
PL-48C	6 3/8	7/8
PL-49C	7 1/2	1 1/8

Features

Made in U.S.A.

- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.



23407

WILLIAMS®

HEAVY-DUTY DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)
23406	6 1/4
23407	7

Features

- Jaws are polished with rust-protective coating.
- Wider, high leverage jaws for increased cutting power.
- Double-dipped plastic handle grips are comfortable yet durable.
- Induction hardened and precisely ground cutting edges stay sharp longer.



23404

WILLIAMS®

STANDARD DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)
23404	5 1/2
23405	6 1/4

Features

- Jaws are polished with rust-protective coating.
- Double-dipped plastic handle grips are comfortable yet durable.
- Induction hardened and precisely ground cutting edges stay sharp longer.



Made in U.S.A.

PL-167

WILLIAMS® BAHCO®

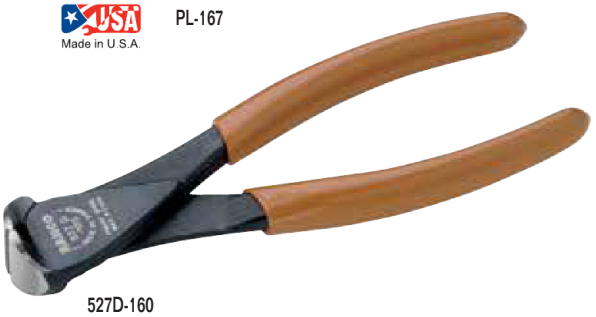
END CUTTING NIPPERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)
PLM-2C	4 1/2	15/32
PL-167	7 1/2	13/16
527D-160	6 1/4	1/4

Features

- Ideal for cutting wire or nails that are close to the work.
- Polished heads resist rust and corrosion, extending the tool life.
- The wide throat clearance, width of blades and angles of the cutting edges along with the handle leverage provide for easy, clean cutting or nipping.



527D-160

END CUTTING/FENCING PLIERS

Extra Long Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)
1519D	9	1/8

Features

- Extra long handles for high leverage and cutting capacity.



1519D

ERGO® FLAT NOSE PLIERS

True Ergonomic Handles with Bi-Molded Grips and On/Off Return Spring

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Width at Tip (Inches)
2420G-125	5	7/8	5/8

Features

- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Unique on-off return spring: turn on to reduce hand fatigue, off to store in tool belt or pocket.
- High performance tool steel construction adds extra strength.
- Saw-toothed shaped, serrated jaws provide maximum gripping surface.



2420G

ERGO® LONG NOSE PLIERS

True Ergonomic Handles with Bi-Molded Grips and On/Off Return Spring

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
2430G-140	5 1/2	1 1/2	3/64 Hard Steel
2430G-160	6 1/4	1 15/16	1/16 Hard Steel

Features

- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Unique on-off return spring: turn on to reduce hand fatigue, off to store in tool belt or pocket.
- High performance tool steel construction adds extra strength.



2430G

ERGO® HEAVY DUTY LONG NOSE PLIERS

True Ergonomic Handles with Bi-Molded Grips and On/Off Return Spring

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
2533-7	7 1/2	2 7/16	1/16 Hard Steel

Features

- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Unique on-off return spring: turn on to reduce hand fatigue, off to store in tool belt or pocket.
- Saw-toothed shaped, serrated jaws provide maximum gripping surface.
- High performance tool steel construction adds extra strength.



2533-7

WARNING



2427G

ERGO® 60° CURVED NOSE PLIERS

True Ergonomic Handles with Bi-Molded Grips and On/Off Return Spring

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
2427G-160	6 1/4	1 13/16	5/64 Hard Steel
2427G-200	7	2 3/4	5/64 Hard Steel

Features

- Comfortable ergonomic two-component handles which combines durability and a secure non-slip grip.
- Unique on-off return spring: turn on to reduce hand fatigue, off to store in tool belt or pocket.
- High performance tool steel construction adds extra strength.



2521G-160

ERGO LONG NOSE PLIERS

True Ergonomic Handles with Bi-Molded Grips and On/Off Return Spring

Product Code	Overall Length (Inches)	Jaw Length (Inches)
2521G-160	6 1/4	1 1/4

Features

- Comfortable ergonomic two-component handles which combine durability and a secure non-slip grip.
- Unique on-off return spring: turn on to reduce handle fatigue, off to store in tool belt or pocket
- Perfect for wire bending



PL-211C



PL-211BC

EXTRA LONG REACH CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-211C	Straight Jaw	11	2 13/16
PL-211BC	45° Bent Nose	11	2 9/16

Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Extra long handles provide access into confined areas and greater holding power at the tip.
- Bent nose model provides access to obstructed areas.



PL-98C

HIGH LEVERAGE CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Width at Tip (Inches)
PL-98C	8	1 7/32	3/32

Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Longer handles for more convenient use and greater jaw gripping power.

WILLIAMS®

CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-95C	Short Nose w/cutter	5 1/2	1 5/32
PL-75C	Long Nose	6 3/4	2 5/16
PL-76C	Long Nose w/cutter	6 1/2	1 5/16
PL-77C	Extra Long Nose w/cutter	7 1/2	1 29/32

Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Diamond serrated jaws with industrial hardened cutting edges.



PL-95C

PL-75C

WILLIAMS®

THIN BENT CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-126C	73° Bent Thin Nose	6 1/4	1 1/4

Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Serrated jaws for extra gripping power.
- 73° bent nose model featured thin jaws angled to reach around obstacles and hard-to-reach spaces.



PL-126C

WILLIAMS®

NEEDLE NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-114CS	Short Nose	4 1/2	1
PL-116C	Long Nose	7	2 3/16

Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Serrated jaws provide extra gripping power.
- The PL-114CS short nose model is supplied with a spring and is designed for close, fine electrical and mechanical work.
- The PL-116C long nose model provides excellent gripping ability for use in tight, narrow places.



PL-114CS



PL-116C

WARNING



23409

23411

WILLIAMS®

LONG NOSE PLIERS WITH SIDE CUTTER

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)
23409	Bent Nose	6 1/4
23411	Straight Nose	8

Features

- Jaws are polished with rust-protective coating.
- Double-dipped plastic handle grips are comfortable yet durable.
- Induction hardened and precisely ground cutting edges stay sharp longer.



PL-146C

PL-149C

WILLIAMS®

DUCK BILL PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-146C	Standard Jaw	6 1/2	2 1/16
PL-149C	High Leverage	8	1 1/4

Made in U.S.A.

Features

- Jaws are polished with rust-protective coating.
- Flat wide nose provides a better grip than the regular needle nose models.



2223D-150

2233D-160

BAHCO®

WIRE STRIPPERS

Double-Dipped Plastic Handles

Product Code	Description
2223 D-150	Wire Strippers for cooper cables up to 3/8"
2233 D-160	Wire Cutting and Stripping Pliers for Copper and Aluminum

Features

- Double dipped plastic handle grips are comfortable yet durable.

WILLIAMS®

ELECTRICAL MINI PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Capacity (AWG)
23541	Mini Cutter	5 1/2	8
23542	Mini Stripper	5 1/2	8-18 Solid/10-22 Stranded
23543	Mini Crimper	5 1/2	10-22

23080 3 Piece Electrical Mini Pliers Set in Pouch

Contents Include:

Product Code	Description	Product Code	Description
23541	Mini Cutter	23543	Mini Crimper
23542	Mini Stripper		

Made in U.S.A.

Features

- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Cutter is hardened and precision-ground for cutting stranded and solid copper and aluminum wire.
- Stripper features up-front precision-ground stripping stations for exacting results in tight spaces.
- Crimper features front-end crimp pockets guaranteed to be free from burrs and sharp edges.



23541
23542
23543

WILLIAMS®

HEAVY DUTY FRONT END WIRE STRIPPERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Capacity (AWG-solid wire)	Capacity (stranded wire)
23506	6 1/4	10-20	12-20
23518	6 1/4	14-24	16-26
23521	6 1/4	22-30	24-32

Made in U.S.A.

Features

- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Spring-loaded handles speed work and reduce hand effort.
- Serrated gripping jaws in nose for use as pliers.
- 2-piece hardened steel pivot for long life service.
- Lock protects cutting edges in storage.



23506

WILLIAMS®

SUPER-DUTY FRONT END WIRE STRIPPERS WITH BOLT CUTTERS

Double-Dipped Plastic Handles with Curved Wire Cutter

Product Code	Overall Length (Inches)	Capacity (AWG-solid wire)	Capacity (stranded wire)
23533	7 1/4	10-18	12-20
23535	7 1/4	20-30	22-32

Made in U.S.A.

Features

- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Longer, curved handles provide extra leverage and greater comfort.
- Serrated gripping jaws in nose for use as pliers.
- Built-in bolt cutters cleanly cut 6-32 and 8-32 screws.



23533

WARNING



23503

23524

WILLIAMS®

MULTI-PURPOSE COMBINATION WIRE TOOLS

Double-Dipped Plastic Handles with Curved Wire Cutter

Product Code	Description	Overall Length (Inches)	Nose Style
23503	Front-end Stripper	8 1/4	Serrated Pliers
23524	Front-end Crimper	8 3/4	Anvil Cutter

Made in U.S.A.

Features

- Crimp and strip wire sizes 10-22 AWG.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- 23503 cuts 6 bolt sizes: 4-40 / 5-40 / 6-32 / 8-32 / 10-32 / 10-24.
- 23524 cuts 5 bolt sizes: 4-40 / 6-32 / 8-32 / 10-32 / 10-24.



23512

23515

WILLIAMS®

ROMEX® STRIPPERS AND CUTTERS

Double-Dipped Plastic Handles with Staggered Type Strippers

Product Code	Description	Overall Length (Inches)	Stripper Sizes (AWG)
23512	Dual Romex®	7 3/4	12-2 / 14-2 NM-B
23515	10-2 Heavy Duty	7 3/4	10-2 NM-B

Made in U.S.A.

Features

- Staggered cutting design produces cleaner cuts with less effort.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Built-in bolt cutters cleanly cut 6-32 and 8-32 screws.
- Serrated gripping jaws in nose for use as pliers.



23530

WILLIAMS®

COAX CABLE MULTI TOOL

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Stripper Sizes (AWG)
23530	Coax Cable Tool	8 1/2	RG6 / RG59

Made in U.S.A.

Features

- Cut, strip, and crimp popular RG6 and RG59 coax cable sizes with one tool.
- Curved cutting blade cuts cleanly with less effort.
- Instructions provided on the tool for easy operation.

WILLIAMS

WIRE TWISTER / CUTTER

Produces Right Hand (clockwise) Twists

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Cutting Blade Length (Inches)
WTC-11	8.5	1 1/16	1/4
WTC-45	6	1 1/16	1/16

Made in U.S.A.

Features

- Diamond-shaped, flat top jaw serrations hold wire firmly and resist nicking material being worked on.
- Diagonal nose configurations & "mini" frame allows access in tight quarters.
- Automatic return feature retracts automatically, speeding up operation use and reducing operator fatigue.
- Heat-treated cutting edge holds it edge for cutting tough (up to .041) stainless steel and safety wire.
- One hand operation allows for operator closing and locking with minimum of handle force.
- High carbon alloy steel forging are used for maximum durability and long life.



WTC-11

BAHCO

CABLE CUTTER FOR FERROUS MATERIALS

With Rubber Grips

Product Code	Overall Length (Inches)	Cable Cutting Capacity (Inches)	Replacement Blade Kit
2520	22 1/2	1 3/16 Aluminum/Copper with 1/4 Messenger Wire	2520-SH

Features

- Lightweight handles provide ease of control while offering solid durability.
- Rubber grips offer control and comfort during working application.
- Cutting notch below top cutting blades provided for cuts on ferrous material.
- Replacement blade kit includes blades, screws, and nuts.



2520

BAHCO

CABLE CUTTER FOR NON-FERROUS MATERIALS

With Rubber Grips

Product Code	Overall Length (Inches)	Cable Cutting Capacity (Inches)
2620-80	31 1/2	1 5/8 Aluminum/Copper

Features

- For non-ferrous material cutting only.
- Lightweight handles provide ease of control while offering solid durability.
- Rubber grips offer control and comfort during working application.
- Replacement blade kit includes blades, screws, and nuts.



2620-80

WARNING



23201



23210



23220



23070



23071

WILLIAMS®

LOCKING PLIERS AND SET

Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)	Style
23201	5	Curved Jaw with Cutter
23202	7	Curved Jaw with Cutter
23203	10	Curved Jaw with Cutter
23210	7	Straight Jaw
23211	10	Straight Jaw
23220	6	Long Nose with cutter
23221	9	Long Nose with cutter

Locking Pliers Sets

Product Code	Description
23070	3 Piece Locking Pliers Set with Bi-Mold Comfort Grip Handles

Contents Include:

Product Code	Description
23201	5" Curved Jaw Locking Pliers with Cutter
23202	7" Curved Jaw Locking Pliers with Cutter
23203	10" Curved Jaw Locking Pliers with Cutter

Product Code	Description
23071	3 Piece Locking Pliers Set with Bi-Mold Comfort Grip Handles

Contents Include:

Product Code	Description
23203	10" Curved Jaw Locking Pliers with Cutter
23210	7" Straight Jaw Locking Pliers
23220	6" Long Nose Locking Pliers with Cutter

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Convenient one-hand release lever.
- Heavy-duty jaw surfaces provide extra gripping power.
- Packed in a pouch.

WILLIAMS®

LOCKING PLIERS

Curved Jaw with Wire Cutter Locking Pliers

Product Code	Overall Length (Inches)
23301	5
23302	7
23303	10

Straight Jaw Locking Pliers

Product Code	Overall Length (Inches)
23304	7
23305	10

Long Nose with Wire Cutter Locking Pliers

Product Code	Overall Length (Inches)
23309	6
23310	9

Locking C-Clamps

Product Code	Overall Length (Inches)	Throat Depth	Capacity (Lbs.)
23320	6	1¼"	450
23321	11	2¼"	900

Locking C-Clamps with Swivel Pad

Product Code	Overall Length (Inches)	Throat Depth	Capacity (Lbs.)
23222	6	1 5/16"	450
23223	9	2 3/16"	900
23224	11	2¼"	900
23225	14	4½"	700

Features
- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power


23303


23305


23309


23320


23222

WILLIAMS®

LOCKING PLIERS SETS

23072 3 Piece Locking Pliers Set
Contents Include:

Product Code	Description
23301	5" Curved Jaw Locking Pliers with Cutter
23302	7" Curved Jaw Locking Pliers with Cutter
23303	10" Curved Jaw Locking Pliers with Cutter

23074 4 Piece Locking Pliers Set
Contents Include:

Product Code	Description
23301	5" Curved Jaw Locking Pliers with Cutter
23303	10" Curved Jaw Locking Pliers with Cutter
23309	6" Long Nose with Wire Cutter
23310	9" Long Nose with Wire Cutter

23076 5 Piece Locking Pliers Set
Contents Include:

Product Code	Description
23301	5" Curved Jaw Locking Pliers with Cutter
23302	7" Curved Jaw Locking Pliers with Cutter
23305	10" Straight Jaw
23310	9" Long Nose with Wire Cutter
23320	6" Locking C-Clamp

Features
- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power


23072


23074


23076

⚠WARNING



PL-1622



PL-1620



PL-1621

WILLIAMS®

SNAP RING PLIERS

Double-Dipped Plastic Handles

Product Code	Tip Size	Tip Angle (Degree)
PL-1620	0.038	0°
PL-1621	0.038	45°
PL-1622	0.038	90°
PL-1623	0.047	0°
PL-1624	0.047	45°
PL-1625	0.047	90°
PL-1626	0.070	0°
PL-1627	0.070	45°
PL-1628	0.070	90°
PL-1629	0.090	0°
PL-1630	0.090	45°
PL-1631	0.090	90°

Combination Internal/External Snap Ring Pliers Set
Pliers set in a plastic carrying case

Contents Include:

Product Code	Description
PL-1612	12 Piece Combination Internal/External Snap Ring Pliers Set

Set includes 1 each Snap Ring Plier listed above

Combination Internal/External Snap Ring Pliers Set
Pliers set in a plastic carrying case

Contents Include:

Product Code	Description
PL-1606	6 Piece Combination Internal/External Snap Ring Pliers Set

Set includes 1 each Snap Ring Pliers, PL-1620, PL-1622, PL-1623, PL-1625, PL-1626, PL-1628

Features

- Cushioned grip handles
- Pliers are convertible for use on internal and external snap rings
- Knurled center screw with spring for easy changing and secure hold

USA
Made in U.S.A.



PL-1612



PL-1606

WILLIAMS®

RETAINING RING PLIERS AND SET

Double-Dipped Plastic Handles

Product Code	Description	Minimum Opening (Ctr. To Ctr.)	Maximum Opening (Ctr. To Ctr.)	Tips Included (Each Plier Includes 2 of Each)
PL-1600C-1	Internal pliers with tips	3/32	25/32	0.035" 90° 0.045" 45° 0.045" Straight 0.060" Straight
PL-1600C-2	External pliers with tips	3/32	1 1/32	

Snap Ring Pliers Set

Product Code	Description
PL-1600C	Snap Ring Pliers Set

Contents Includes:

Product Code	Description
PL-1600C-1	PL-1600C-1 Internal Pliers
PL-1600C-2	PL-1600C-2 External Pliers

Replacement Tip Set Contents Includes:

Product Code	Description
PL-1600C-3	16 Piece Replacement tip set

Made in U.S.A.

Features

- Internal snap rings designed for use in housings, boxes, etc with bore diameters .375 to 1.750 inches.
- External snap rings designed for use in shafts, studs, etc with shaft diameters .250 to 1.438 inches.
- PL-1600C-1 and PL-1600C-2 each supplied with 8 tips (2 each: 90° x .035 and 45° x .045 angle tips and .045 and .060 straight tips).
- Made of high quality carbon steel with black-oxide finish to resist rust and other corrosions.
- Tips heat treated for a secure grip.
- Pliers provided with cushion grip handles.
- Set consists of one internal and one external snap ring pliers and 16 tips in a pouch.
- Tip set includes 4 each of interchangeable tips: 90° x .035 and 45° x .045 angle tips and .045 and .060 straight tips.



PL-1600C-1



PL-1600C-2

WILLIAMS®

CONVERTIBLE RETAINING RING PLIERS AND SET

Double-Dipped Plastic Handles

Product Code	Capacity (Max. Ring Dia.)	Tips Included (Includes 2 of Each)
23801A	2"	0.039" Straight Tips (Yellow) 0.038" 90° Tips (Yellow) 0.047" Straight Tips (Green) 0.047" 90° Tips (Green) 0.074" Straight Tips (Copper)
23803A	1"	0.023" Straight Tips (Red) 0.039" Straight Tips (Yellow) 0.038" 90° Tips (Yellow) 0.047" Straight Tips (Green) 0.047" 90° Tips (Green)

Retaining Ring Pliers Set

Product Code	Description
23092	Retaining Ring Pliers Set

Contents Includes:

Product Code	Description
23801A	2" Capacity Retaining Ring Pliers
23803A	1" Capacity Retaining Ring Pliers

Replacement Tip Kits Contents Includes:

Product Code	Description
23802A	Replacement Tip Kit Only for 23801A
23804A	Replacement Tip Kit Only for 23803A

Made in U.S.A.

Features

- Easily convert for use on internal and external rings by moving convenient adjusting levers.
- Each pliers includes five pairs of color-coded tips for maximum versatility.
- Hex-shaped locking guides firmly hold tips in place.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Spring-loaded handles speed work.



23801A



23803A

⚠WARNING



PL-529

WILLIAMS

HEAVY DUTY RETAINING RING PLIERS & TIPS

Double-Dipped Plastic Handles

Product Code	Description	Minimum Opening (Ctr. To Ctr.)	Maximum Opening (Ctr. To Ctr.)
PL-527	Internal snap ring pliers	5/16	1 13/32
PL-528	External snap ring pliers	11/32	1 17/32

Tips for Heavy Duty Retaining Ring Pliers

Product Code	Description (Includes 2 each)
PL-529A	0.108" Straight Tips
PL-529B	0.108" 15° Tips
PL-529C	0.108 45° Tips
PL-529D	0.108 90° Tips
PL-530A	0.120 Straight Tips
PL-530B	0.120 15° Tips
PL-530C	0.120 45° Tips
PL-530D	0.120 90° Tips

Heavy Duty Retaining Ring Pliers Set PL-529

Product Code	Contents Include:
PL-527	Internal snap ring pliers
PL-528	External snap ring pliers

Set includes 2 each of heavy duty tips listed above

USA
Made in U.S.A.

Features

- Internal snap rings designed for use in housings, boxes, etc.
- External snap rings designed for use in shafts, studs, etc.
- Pliers supplied with spring ratchet lock assembly which allows the ring to be compressed or expanded with gradual adjustments which lock at the desired size without continued pressure on the handles.
- Made of high quality carbon steel with black-oxide finish to resist rust and other corrosions.
- Tips heat treated for a secure grip.
- Tips not provided with pliers when pliers are ordered individually.

WILLIAMS®

FIXED TIP RETAINING RING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Diameter (Inches)	Minimum Jaw Opening (Inches)	Maximum Jaw Opening
Internal					
PL-531	5 1/2	7/8	0.038	3/32	2 3/8
PL-532	6 1/2	1	0.070	3/32	2 31/32
External					
PL-533	6 1/2	7/8	0.038	3/32	1 1/32
PL-534	7	2 1/16	0.070	3/32	1 1/4

Features

Made in U.S.A.

- Internal - used for installing and removing internal retaining rings in a bore without damage to the ring.
- External - used for installing and removing external retaining rings on a shaft without damage to the ring.
- Manufactured from high carbon, heat treated steel.
- Designed for accurate fit and long wear by precision forming and induction hardening.
- Finished with black oxide coating.



PL-531



PL-532



PL-534



PL-533

WILLIAMS®

LOCKING RING PLIERS

Black Jaws

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Width at Tip (Inches)
PL-1515	8	1 3/8	5/16

Features

Made in U.S.A.

- For spreading horseshoe lock washers and steel lock rings used on gear and bearing shafts.



PL-1515

WARNING



CC-406C

WILLIAMS®

DROP FORGED C-CLAMPS

Deep Throat Design, Copper Plated Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Min Test Load (lbs)
CC-402C	2	2 1/32	1/2	3500
CC-403C	3	2 3/4	1/2	3500
CC-404C	4	3 3/16	3/4	6500
CC-406C	6	4 1/8	3/4	6900
CC-408C	8	5 3/16	3/4	6900
CC-410C	10	6	3/4	8000
CC-412C	12	6 1/2	7/8	9500

Features

- Copper plated screw resists weld splatter.
- Drop-forged and heat treated for maximum strength and greater rigidity.
- I-Beam design for extra strength.
- Highly resistant to "springing".



CC-406S

WILLIAMS®

DROP FORGED C-CLAMPS

Deep Throat Design, Standard Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Min Test Load (lbs)
CC-402S	2	2 1/32	1/2	3500
CC-403S	3	2 3/4	1/2	3500
CC-404S	4	3 3/16	3/4	6500
CC-406S	6	4 1/8	3/4	6900
CC-408S	8	5 3/16	3/4	6900
CC-410S	10	6	3/4	8000
CC-412S	12	6 1/2	7/8	9500

Features

- Black threaded screw with T-handle.
- Drop-forged and heat treated for maximum strength and greater rigidity.
- I-Beam design for extra strength.
- Highly resistant to "springing".



20008

WILLIAMS®

DROP FORGED C-CLAMPS

Deep Throat Design, Copper Plated Screw

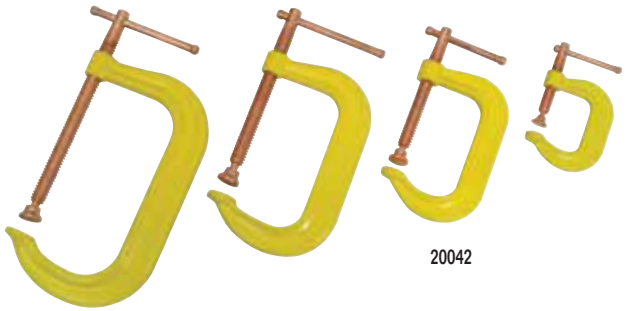
Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Working Load (lbs)	Max. Hand Load (lbs)	Frame Proof Load (lbs)
20002	2	2-1/4	9/16	2000	2600	3500
20003	3	2-7/16	9/16	2400	2880	3500
20004	4	3-1/4	11/16	2800	4480	6500
20006	6	4-1/16	3/4	3400	4700	6900
20008	8	5	3/4	4000	4930	6900
20010	10	6	7/8	5000	5500	8000
20012	12	6-1/2	7/8	6000	7000	9500

C-Clamp Set

Product Code	Contents Include:
20042	4 Piece C-Clamp Set. Includes sizes 2", 4", 6", and 8"

Features

- Copper plated screw resists weld splatter
- Drop-forged and heat treated for maximum strength and greater rigidity
- I-Beam design for extra strength
- Powder coated frame resists rust
- "Safety Yellow" color makes clamps easy to locate in dark work areas



20042

WILLIAMS®

HEAVY SERVICE C-CLAMPS

Deep Throat Design, Standard Screw

Product Code	Maximum Capacity (Inches)	Minimum Capacity (Inches)	Throat Depth From Center (Inches)	Exterior Body Width (Inches)	Screw Diameter (Inches)	Screw Length Under Head (Inches)	Min Test Load (Lbs.)
CC-1AAW	1 3/8	0	1 1/8	2 23/32	13/32	2 7/16	5,600
CC-1 1/2AAW	1 7/8	0	1 21/32	3 19/32	5/8	3 1/4	8,750
CC-2AAW	2 11/32	0	1 7/8	4 1/4	23/32	4 1/8	12,500
CC-3AAW	3 7/16	1/8	2 13/32	5 3/4	27/32	4 7/8	16,250
CC-3LAAW **	3 7/16	0	2 1/2	5 3/4	27/32	5 3/4	16,250
CC-4AAW	4 21/32	17/32	2 7/8	6 1/4	27/32	6	20,000
CC-4LAAW **	4 21/32	0	2 7/8	6 1/4	27/32	7 1/4	20,000
CC-5AAW	5 5/8	1/2	3 1/8	7	27/32	7 1/4	23,800
CC-5LAAW **	5 5/8	0	3 1/8	7	27/32	8 7/8	23,800
CC-6AAW	6 1/2	1 5/32	3 1/2	7 1/2	1 3/32	8	27,500
CC-6LAAW **	6 1/2	0	3 1/2	7 1/2	1 3/32	10	27,500
CC-8AAW	8 1/2	4	3 11/16	8 1/2	1 3/32	7 1/8	31,250
CC-8LAAW **	8 1/2	0	3 11/16	8 1/2	1 3/32	11 5/8	31,250
CC-10AAW	10 3/8	5 3/8	4 3/8	8 1/2	1 3/32	7 3/4	35,000
CC-10LAAW **	10 3/8	0	4 5/16	8 1/2	1 3/32	14 3/8	35,000
CC-12AAW	12 3/8	7 1/4	4 7/16	9 1/2	1 3/32	8 1/4	40,000
CC-12LAAW **	12 3/8	0	4 1/4	9 1/2	1 3/32	16 7/16	40,000

** Where zero capacity is desired, the clamps with long screws should be ordered. These are indicated with an "L" in the product code.

Made in U.S.A.



CC-4AAW

Features

- Especially designed for heavy duty service, frames are drop-forged and heat-treated for maximum strength and reduced springing
- Screws are made of special grade steel and are heat-treated for added strength not found in typical case-hardened screws
- To tighten, the square headed screw must be turned with a wrench
- Ideal for the most demanding applications such as construction and heavy industry
- Square head screw allows tightening with wrench for extra heavy duty clamping requirements
- Greater anvil surface for gripping larger work pieces and for greater stability

BAHCO®

SCREW CLAMPS

Professional

Product Code	Overall Length (Inches)	Maximum Capacity (Inches)
420-50-100	4	2
420-50-200	8	2
420-60-120	5	2
420-60-300	12	2
420-80-160	6	3
420-100-200	8	4
420-120-250	10	5
420-120-300	12	5
420-120-400	16	5
420-120-500	20	5
420-120-600	24	5
420-120-800	31	5
420-120-1000	39	5
420-120-1250	49	5
420-120-1500	59	5
420-140-400	16	6
420-175-400	16	7

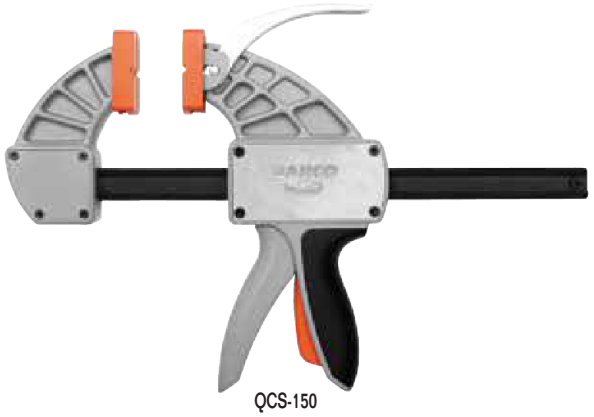


420-120-250

Features

- Professional F clamp with one fixed and one sliding bracket, fitted to a galvanized profiled steel rail.
- Zinc plated screw with special, plastic covered ball swivel foot for secure and easy clamping of odd shapes.
- Tough and weather resistant, square shaped plastic grip

WARNING



QCS-150



QCB-300



QCG-150



420SC-50







QCG-PAD-M



QCG-PAD-S

BAHCO

QUICK CLAMPS - SUPERIOR

Power Lever System

Product Code	Capacity (Inches)	Power Lever	Clamping Force
QCS-150	6	Yes	650 lbs
QCS-300	12	Yes	650 lbs

Features

- The Superior range is made for very demanding work where high force tension, strength and durability are needed.
- The power lever and the glass fiber enforced polyamide body of this clamp is perfect to use in rough environments, and will give you extra tough clamping.
- Fiber glass enforced nylon body

BAHCO

QUICK CLAMPS - QCB SERIES

Power Lever System

Product Code	Capacity (Inches)	Clamping Force
QCB-150	6	450 lbs
QCB-300	12	450 lbs
QCB-450	16	450 lbs
QCB-600	23	450 lbs
QCB-900	35	450 lbs
QCB-1250	49	450 lbs

Features

- Variable speed mechanism, which makes it easier to reach high clamping force
- Removable pads, with V-groove

BAHCO

QUICK CLAMPS - QCG SERIES

Product Code	Capacity (Inches)	Clamping Force
QCG-150	6	275 lbs
QCG-300	12	275 lbs

Features

- Easy access in more confined spaces thanks to the smaller body
- Easy to turn in to a spreader with the Spreader button
- Easy access release mechanism
- Comfortable handle from ALL angles, you can use upside down, front to back

BAHCO

SPRING CLAMPS

Product Code	Capacity (Inches)
420SC-25	1
420SC-50	2

Features

- Handy spring clamps with a movable gripping surface for odd shapes

BAHCO

QC-PAD REPLACEMENT SPARE PADS

Product Code	Description
QC-PAD-M	Medium
QC-PAD-S	Soft

Features

- V Groove pads makes gripping odd shapes, like pipes or corners easier.
- Changeable pads for different usage, makes clamping secure and non marking.
- Fit all Bahco quick clamps

BAHCO

UNIVERSAL PLIERS WRENCHES

With Comfort Grip

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Pipe Maximum Diameter (Inches)
140	8 7/16	1 3/16	3/4
141	11	1 3/8	1
142	14 1/2	2 1/16	1 1/2
143	21 7/8	3 1/16	2 1/2
144	28 3/8	4 3/8	3 1/2
147	41 3/4	6 5/16	5



142

Features

- Black oxide and anti-rust treated high alloy steel provide long life and durability.
- Precision induction hardened jaws are designed with inwardly angled aggressive teeth.
- Outer part of jaw is large toothed and used for maximum grip on large diameter pipes.
- Inner part of jaw is fine toothed and used for maximum grip on small diameter pipes.
- Commonly called a "Swedish Pipe Wrench", the small head makes them ideal for working in confined areas.

BAHCO

CORNER PIPE WRENCHES

With Comfort Grip

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Pipe Maximum Diameter (Inches)
442B	12	1 1/2	1
443B	16	2	2
444B	21	3 1/10	2 1/2



Features

- Black oxide and anti-rust treated high alloy steel provide long life and durability.
- Precision induction hardened jaws are designed with inwardly angled aggressive teeth.
- Optimized design with narrower jaws, with angle of 45°, gives better accessibility especially in corners.

RIDGID

ALUMINUM STRAIGHT PIPE WRENCH

Aluminum, Heavy Duty

Product Code	Size in.	Size mm	Pipe Capacity in.	Pipe Capacity mm	Weight lb.	Weight kg
R31090	10	250	1 1/2	40	1	0.4
R47057	12	300	2	50	2 1/2	1.1
R31095	14	350	2	50	2 1/2	1.1
R31100	18	450	2 1/2	65	3 3/4	1.7
R31105	24	600	3	80	6	2.7
R31120	36	900	5	125	11	5.0
R31115	48	1200	6	150	18 1/2	8.4



R31090

Features

- Professional strength in lightweight aluminum
- Offer durability and ease-of-use

USA Made in U.S.A.

WARNING



RD3120

RIDGID

STRAIGHT PIPE WRENCH

Product Code	Size in.	Size mm	Pipe Capacity in.	Pipe Capacity mm	Weight lb.	Weight kg
R31000	6	150	¾	20	½	0.2
R31005	8	200	1	25	¾	0.3
R31010	10	250	1 ½	40	1 ¾	0.8
R31015	12	300	2	50	2 ¾	1.2
R31020	14	350	2	50	3 ½	1.6
R31025	18	450	2 9/16	65	5 ¾	2.6
R31030	24	600	3	80	9 ¾	4.4
R31035	26	9	5	125	19	8.7
R31040	48	1200	6	150	34 ¼	15.6
R31045	60	1500	8	200	51 ¼	23.3

Features

Made in U.S.A.

- Sturdy, cast-iron housing and I-beam handle with full floating forged hook jaw, featuring self-cleaning threads with replaceable hook and heel jaws.
- Heavy-duty pipe wrenches comply with federal specifications GGG-W65IE, Type II, Class A.



13542

WILLIAMS

PIPE WRENCHES

Aluminum, Heavy Duty

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Spare Parts Hook Jaw	Spare Parts Heel Jaw & Pin	Spare Parts Knurl Nut
13500	8	1 5/16	13551	13567	13571
13502	10	1 5/8	13552	13562	13572
13504	12	2 1/8	13553	13563	13573
13506	14	2 9/16	13554	13564	13574
13508	18	3 1/8	13555	13565	13575
13510	24	3 ¾	13556	13566	13576
13512	36	5	13557	13568	13577
13514	48	6	13558	13569	13578

Pipe Wrench Set

Product Code	Contents Include:
13542	3 Piece Aluminum Pipe Wrench Set. Includes 8", 12", and 18" wrenches

Features

- Aluminum pipe wrenches are approximately 40% lighter than cast iron.
- Heavy duty construction for strength and durability.
- Scale on wrench indicates pipe diameter.



13544

WILLIAMS

PIPE WRENCHES

Cast Iron, Heavy-Duty

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Spare Parts Hook Jaw	Spare Parts Heel Jaw & Pin	Spare Parts Knurl Nut
13516	6	⅞	13550	13560	13570
13518	8	1 5/16	13511	13567	13571
13520	10	1 5/8	13552	13562	13572
13522	12	2 1/8	13553	13563	13573
13524	14	2 9/16	13554	13564	13574
13526	18	3 1/8	13555	13565	13575
13528	24	3 ¾	13556	13566	13576
13530	36	5	13557	13568	13577
13532	48	6	13558	13569	13578

Pipe Wrench Set

Product Code	Contents Include:
13544	3 Piece Cast Iron Pipe Wrench Set. Includes 8", 12", and 18" wrenches

Features

- Heavy duty construction for strength and durability
- Scale on wrench indicates pipe diameter

WILLIAMS®

FLANGE-JACKS

Tremendous Pressure With Minimum Effort

Product Code	Flange Diameter Capacity * 125 Pound Cast Iron	* 150 Pound Cast Iron	* 250 Pound Cast Iron	* 300 Pound Cast Iron
FJ-20	2 to 20	2 to 20	1 to 12	3/4 to 12
FJ-30	16 to 48	18 to 24	12 to 30	12 to 24

Made in U.S.A.



FJ-20







FJ-30

Features

- Ideal for working on pipe lines and other applications involving flanges.
- Makes gasket removal fast and easy.
- Flanges are separated smoothly and evenly without damage to flange faces.
- Flange jacks are sold only in pairs.
- Eliminates danger from flying wedges and sparks caused by hammer blows.
- Ideal for hard to reach locations.

BAHCO®

BASIN WRENCH

SAE

Product Code	Description
363-32	Basin Wrench



363-32

Features

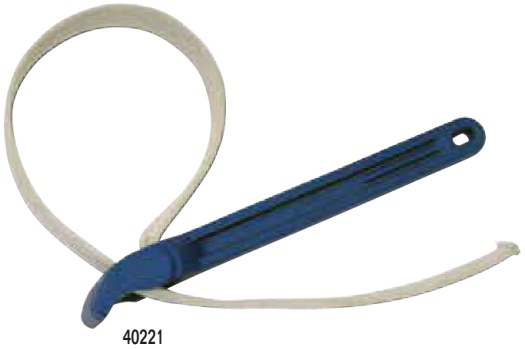
- Telescopic basin nut wrench with reversible jaw for nuts on wash basins, bathtubs, or sinks. With 4 adjustment sizes.
- Length 11 inches to 18 inches (Telescopic)
- Capacity 3/8" to 1 1/4"
- Adjustable pivoted jaw
- 4 length adjustments

WILLIAMS®

STRAP WRENCH

Aluminum Handle

Product Code	Handle Length (Inches)	Maximum Diameter (Inches)	Strap Size (Inches)
40221	12	8	1 1/8 x 30



40221

Features

- Use on irregularly shaped objects where other wrenches won't work.
- Useful for turning handwheels and other knurled handles.
- Reduces risk of damage on plastic pipe and tubing.
- Strap is made out of cotton.

⚠WARNING



CT13



CT-13-1



CT-13-4

WILLIAMS

CHAIN PIPE TONGS

The Original Williams Chain Pipe Tong

Product Code	Pipe Minimum Diameter (Inches)	Pipe Maximum Diameter (Inches)	Tong Length (Inches)	Chain Length (Inches)
CT-12	1/4	2 1/2	27	18 1/2
CT-13	3/4	4	38 1/8	25
CT-13-1/2	1	6	46 1/4	33
CT-14	1 1/2	8	50 1/2	40 3/4
CT-15	2	12	67	56

Features

Made in U.S.A.

- Chain swings from the center and can be used on either side of the jaws, reducing tooth wear.
- Flat link chains are heat-treated for greater strength and reliability.
- Fully adjustable to fit any shape pipe.

Replacement Parts for Pipe Tongs

	Replacement Jaw Sets	Replacement Chain Assembly		
Product Code	Product Code	Product Code	Length (Inches)	Loading Capacity
CT-12	CT-12-4	CT-12-1	18 ½	13,800
CT-13	CT-13-4	CT-13-1	25	17,600
CT-13 1/2	CT-13-1/2-4	CT-13-1/2-1	33	20,000
CT-14	CT-14-4	CT-14-1	40 ¾	22,000
CT-15	CT-15-4	CT-15-1	56	31,000

Features

Made in U.S.A.

- Chain is heat-treated after assembly which results in a 40 % increase in strength as well as an extended chain life and improved performance.
- Jaws are drop forged from carbon steel and heat treated to provide the strength and reliability expected from Williams pipe tools.



CW-4

WILLIAMS

PIPE CHAIN WRENCH

Heat Treated

Product Code	Pipe Diameter Minimum - Maximum (Pipe Size)	Handle Length (Inches)	Chain Length (Inches)
CW-4	3/8 - 4	11	15

Features

Made in U.S.A.

- Forged handle is fully heat-treated.
- Ideal for use in close quarters and where space is at a premium.
- Successive “bites” can be taken without removal of wrench from the work piece.
- Fully adjustable to fit any shape pipe.



40223

WILLIAMS

PIPE CHAIN WRENCH

Heat Treated

Product Code	Pipe Diameter Capacity	Handle Length (Inches)	Chain Length (Inches)
40222	4	12	16
40223	5	15	19
40224	6	24	23

Features

- Forged strong I Beam handle.
- Designed for working in confined areas when regular pipe wrenches will not fit, excellent for pipe fittings.
- Portable and lightweight can be used for overhead and underground work.

WILLIAMS®

5/8" CAPACITY MINI-TUBING CUTTER

For Hard or Soft Copper Tubing, Brass, Stainless Steel, etc.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
43603	Mini-Tubing Cutter	1/8 to 5/8	1 3/4
43613	Replacement Cutter Wheel for 43603 (Pack of 5)		

Features

- Designed for use in tight access areas.
- Enclosed feed screw assures smooth operation by minimizing contamination.
- Corrosion resistant stainless steel rollers produce easier, smoother cuts.

Made in U.S.A.



43603

BAHCO®

7/8" CAPACITY MINI-TUBING CUTTER

For Copper, Bronze, Aluminum and Steel.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
301-22	Compact Tubing Cutter	1/8 to 7/8	2 1/2

Features

- Compact round design for access in tight areas.



301-22

WILLIAMS®

1-1/8" CAPACITY TUBING CUTTER

For Hard or Soft Copper Tubing, Brass, Stainless Steel, etc.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
43605	1 1/8" Tubing Cutter	1/8 to 1 1/8	5
43611	General Purpose Replacement Cutter Wheel (Pack of 10)		
43615	Optional Cutter Wheel for Stainless Steel (Pack of 5)		

Features

- Enclosed hardened steel thrust-bearing mechanism assures smooth cuts and reliable operation.
- Rugged aluminum alloy body looks good and handles well.
- Foldaway hardened steel reamer removes inside burrs cleanly.
- Includes (2) general-purpose cutter wheels.

Made in U.S.A.



43605

WILLIAMS®

2-5/8" CAPACITY TUBING CUTTER

For Hard or Soft Copper Tubing, Brass, Stainless Steel, etc.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
43607	2 5/8" Tubing Cutter	3/8 to 2 5/8	7 3/4 (Closed)
43617	General Purpose Replacement Cutter Wheel for 43607 (Pack of 5)		

Features

- Ratchet feed mechanism speeds up cutting operations while extra-wide rollers stabilize the tubing.
- Light-weight aluminum body.
- Spare cutting wheel included under cap.
- Cuts Schedule 40 PVC pipe up to 2" diameter with optional 43616 cutter wheel.

Made in U.S.A.



43607

⚠WARNING



302-35

BAHCO

1-3/8" CAPACITY TUBING CUTTER

For Copper, bronze, Aluminum and Steel tubing

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
302-35	3" Tubing Cutter	5/16 to 1 3/8	5 1/2

Features

- Lightweight.



317-40

BAHCO

PLASTIC WHEEL REAMER

Product Code	Description
317-40	Plastic Wheel Reamer

Features

- Reamer for removing burrs from external and internal tube. Suited to plastic and copper tubing.



43631

WILLIAMS

45° SINGLE FLARING TOOL

For Soft Tubing

Product Code	Description	O.D. Capacity (Inches)
43631	45° Single Flaring Tool	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, & 5/8

Made in U.S.A.

Features

- For soft copper, aluminum, and brass tubing.
- Forged steel yoke and hardened flaring bar for durability.
- Positive clamping action prevents tube slippage.
- Self-centering yoke with swivel-type, hardened steel, chrome-plated flaring cone forms better flares with less effort.
- Chrome plated to resist rust and corrosion.



43621

WILLIAMS

TRIPLE-HEAD TUBING BENDER

For Soft Tubing

Product Code	Description	O.D. Capacity (Inches)
43621	Triple-Head Tube Bender	3/16, 1/4, 5/16, & 3/8

Made in U.S.A.

Features

- For copper, aluminum, and thin-wall steel tubing.
- Calibrated markings for making accurate left, right, and offset bends.
- 90° start requires less effort, making bending fast and easy.

WILLIAMS®

TIGHT-GRIP PIPE NIPPLE REMOVER & INSTALLER KITS

Remove and Install Pipe Nipples Without Thread Damage

Product Code	Description
87025	Pipe Nipple Remover / Installer Kit for 1/8", 1/4", and 3/8" NPT Pipe Nipples

Kit Includes:

87035	Stud Remover / Installer Housing
87036	Collet, 1/8" NPT
87037	Collet, 1/4" NPT
87038	Collet, 3/8" NPT

Product Code	Description
87026	Pipe Nipple Remover / Installer Kit for 1/2" and 3/4" NPT Pipe Nipples

Kit Includes:

87039	Stud Remover / Installer Housing
87040	Collet, 1/2" NPT
87041	Collet, 3/4" NPT

Product Code	Description
87027	Pipe Nipple Remover / Installer Kit for 1" and 1 1/4" NPT Pipe Nipples

Kit Includes:

87042	Stud Remover / Installer Housing
87043	Collet, 1" NPT
87044	Collet, 1 1/4" NPT

Made in U.S.A.

Features

- Remove pipe nipples and other lengths of pipe without damaging pipe threads.
- Collet is placed in housing and threaded over pipe. Draw bolt is then used to clamp tool onto nipple for secure removal or installation.
- Nipples and other lengths of pipe may be reused.
- Essential when working with decorative brass, bronze, and stainless piping.
- Ideal for working in confined areas where a pipe wrench will not fit.



The Tight-Grip Nipple Tool in use. One wrench holds the housing in place while the other wrench turns the top nut, clamping the collet and housing assembly onto the nipple. The housing, collet, and nipple then turn as one.



87025



87026



87027

WILLIAMS®

PLASTIC AND RUBBER HOSE CUTTER

Compact and Light

Product Code	Description	Replacement Cutting Wheel
43618	Plastic and rubber hose cutter	43619

Made in U.S.A.

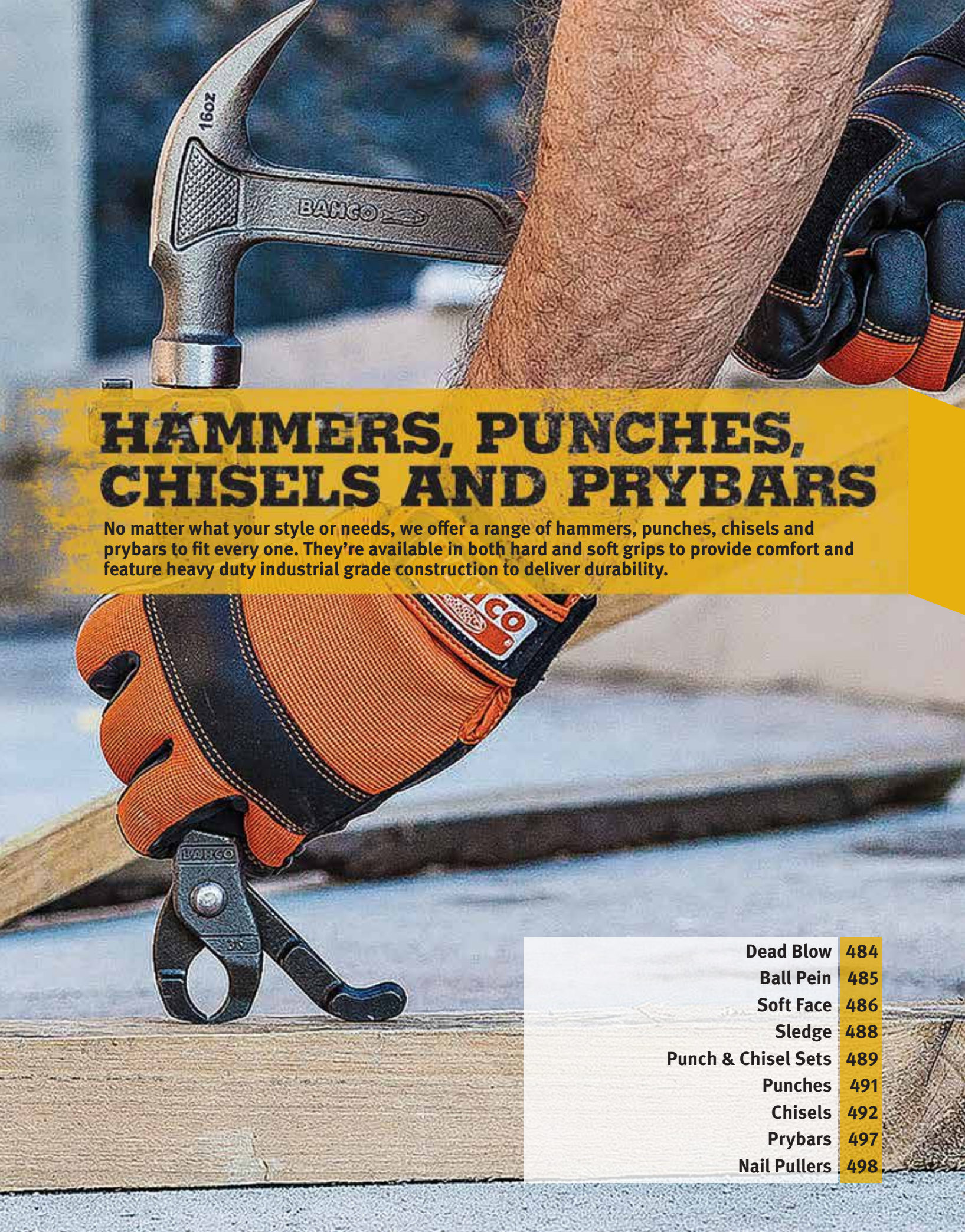
Features

- Cuts plastic tubing and non-metal reinforced hose.
- Cuts sizes 1/16" to 1/2" and 1mm to 13mm O.D.
- Spring loaded for safety.
- Weighs only one ounce.



43618

WARNING



HAMMERS, PUNCHES, CHISELS AND PRYBARS

No matter what your style or needs, we offer a range of hammers, punches, chisels and prybars to fit every one. They're available in both hard and soft grips to provide comfort and feature heavy duty industrial grade construction to deliver durability.

Dead Blow	484
Ball Pein	485
Soft Face	486
Sledge	488
Punch & Chisel Sets	489
Punches	491
Chisels	492
Prybars	497
Nail Pullers	498

WILLIAMS®

DEADBLOW HAMMERS

Ergonomically Designed Handles

Product Code	Weight (ozs.)	Overall Length (Inches)	Head Length (Inches)	Face Diameter (Inches)
JHW-16	16	12	3 1/4	1 9/16
JHW-24	24	12 3/4	3 3/4	1 3/4
JHW-32	32	13 1/2	4 1/4	2
JHW-48	48	15	4 3/4	2 1/4
JHW-56	56	15 3/4	5 7/16	2 3/4

Made in U.S.A.

Features

- Hard urethane construction resists cut damage to hammer head
- Head provides a non-marring contact surface that will not damage equipment
- Deadblow feature minimizes hammer bounce back, reducing fatigue and improving productivity.



JHW-24

WILLIAMS®

EXTREME POWER DRIVE HAMMERS

Fiberglass Handles with Cushion Grip and Shot-Filled Heads

Product Code	Weight (ozs.)	Head Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)
HPDX-1	16	12 1/2	17	1 1/2
HPDX-2	32	13 3/4	18 3/4	2
HPDX-3	48	14 1/2	20	2 1/4
HPDX-4	64	15 1/2	21 3/4	2 5/8

Made in U.S.A.

Features

- Urethane face greatly improves durability
- Durable design for a long lasting hammer.



HPDX-2

WILLIAMS®

POWER DRIVE HAMMERS

Fiberglass Handles with Cushion Grip and Shot-Filled Heads

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)
HPD-1	16	9 5/8	12 1/2	1 1/2
HPD-2	32	10 3/4	13 7/8	2
HPD-3	48	10 3/4	14 1/8	2 1/4
HPD-4	64	10 3/8	15 1/4	2 5/8

Made in U.S.A.

Features

- Shot-loaded head delivers more striking force per blow and reduces vibration as well as rebound.
- Cushion grip handle provides greater comfort and safety.
- Durable design for a long lasting hammer.



HPD-2

WILLIAMS®

BALL PEIN HAMMERS

Fiberglass Handles with Cushion Grip

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)
20542	8	9 1/2	10 3/4	7/8
20543	12	10 1/4	11 3/4	7/8
20544	16	11 1/4	13	1 7/8
20545	24	13	15	1 1/4
20546	32	12 3/4	15	1 1/4

Features

- Ideal for driving punches, chisels and other metal work.
- Fiberglass handle has a cushion grip for greater comfort and safety.
- Hammer heads are drop-forged from specially selected steel and carefully heat treated for dependable strength, hardness and uniformity.



20543

WARNING



HBP-4A



20678



20651



20401

WILLIAMS®

BALL PEIN HAMMERS

Wood Handle

Product code	Head Weight (ozs.)	Handle Length (inches)	Overall length (Inches)	Face Diameter (Inches)
HBP-5-0A	4	9 3/8	10 7/16	3/4
HBP-3-0A	8	10 1/2	11 3/4	1
HBP-2-0A	12	11 1/8	12 1/2	1 1/8
HBP-0A	16	12 1/8	13 5/8	1 1/4
HBP-2A	24	13 1/4	15 1/8	1 1/2
HBP-4A	32	13 1/4	15 3/16	1 1/2
HBP-6A	40	13 5/16	15 5/16	1 5/8
HBP-8A	48	13 1/2	15 3/8	1 7/8

Features

Made in U.S.A.

- Ideal for driving punches, chisels and other metal work.
- Wooden handles, which are made from white hickory and clear lacquered, are permanently wedged in to the heads.
- Hammer heads are drop-forged from specially selected steel and carefully heat treated for dependable strength, hardness, and uniformity.
- Polished Face, Bevel & Pein

WILLIAMS®

DRILLING HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)
20678	32	8 1/2	10 1/4

Features

- Handles are durable and comfortable.
- Heavy duty construction for strength and durability.

WILLIAMS®

CROSS PEIN HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)
20651	48	13	15 3/4

Features

- Handles are durable and comfortable.
- Heavy duty construction for strength and durability.

WILLIAMS®

CLAW HAMMERS

Fiberglass Handles with Cushion Grip

Product Code	Style	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)
20402	Ripping Claw	16	10 3/4	13
20401	Curved Claw	20	10 3/4	13

Features

- Handles are durable and comfortable.
- Heavy duty construction for strength and durability.

BAHCO

ERGO® CLAW HAMMER

Designed According to Bahco's Scientific 11-Step Ergonomic Design Program

Product code	Weight (ozs.)	Overall length (Inches)
529-16-L	16	13
529-16-XL	16	13
529-20-L	20	13
529-20-XL	20	13

Features

- The ergo Claw Hammer is designed to make the job easier, more comfortable and less demanding for your muscles and joints.
- 16 oz. claw hammer for daily construction work developed according to the scientific ERGO® process.
- 20 oz. claw hammer for more heavy duty work developed according to the scientific ERGO® process.
- Two handle sizes for optimized comfort.
- The head and shaft consist of one piece which ensures the durability and strength of the hammer. The special shaft design minimizes vibrations to avoid injuries.
- The long and curvy rubber grip provides a variety of grip positions, like a two handed grip or a precision grip.
- The ERGO® hammer has an optimized balance which keeps the wrist in the best position to avoid muscle stress and give you an effective striking performance like no other hammer does.
- The extra strong claw has an improved curvature for very effective nail pulling with less strength needed. The wide groove design of the claw grips the nail at the body for easy nail pulling even when the head is missing.



529-16-L

WILLIAMS®

BRASS HAMMERS

Fiberglass Handles with Cushion Grip

Product code	Weight (ozs.)	Handle Length (inches)	Overall length (Inches)	Face Diameter (Inches)
HSB-1.5A	1-½	10	12	1
HSB-2.6A	2-½	10	12	1-¼
HSB-3.8A	3-¾	10	12	1-⅝

Features

Made in U.S.A.

- Ideal for applications which require non-sparking conditions.
- The flat surface brass head absorbs impact blows, reduces rebound and helps eliminate marred work surfaces.
- Non-slip cushion grip provides greater comfort and safety.



HSB-3.8AA

WILLIAMS®

8 PIECE SOFT-FACE HAMMER BODY AND TIP SET

Fiberglass Handles with Cushion Grip

Product Code	Description
HSF-8SET	8 Piece Soft Face Hammer Body and Tip Set

Contents Include:

Product Code	Weight Class	Head Length (Inches)	Handle Length (Inches)	Overall Length (Inches)	Head Diameter (Inches)
HSF-151A	16 oz.	1 ½	12 ½	14	1 ½

Product Code	Hardness	Tip Diameter (Inches)	Color
HSF-15S	Soft	1 ½	Brown
HSF-15M	Medium	1 ½	Red
HSF-15N	Medium Hard	1 ½	Cream
HSF-15H	Hard	1 ½	Black
HSF-15SS	Steel	1 ½	Steel
HSF-15B	Brass	1 ½	Brass
Plastic Storage Case			

Features

Made in U.S.A.

- Handles are durable and comfortable
- Heavy duty construction for strength and durability
- Six interchangeable heads meet a number of various applications, including non-marring and non-sparking applications with selected head surfaces



HSF-8SET

WARNING



HSF-151A

WILLIAMS®

SOFT-FACE AND SHOT FILLED SOFT-FACE HAMMER BODY

Fiberglass Handles with Cushion Grip

Product Code	Weight Class (ozs.)	Head Length (Inches)	Handle Length (Inches)	Overall Length (Inches)	Head Diameter (Inches)
HSF-202A **	40	4 1/8	10 3/4	13 1/2	2
HSF-100A	5	2	10 3/16	11 1/8	1
HSF-105A	8	2	10 3/16	11 1/8	1
HSF-150A	12	2 1/2	10 13/16	12 5/16	1 1/2
HSF-151A	16	1 1/2	12 1/2	14	1 1/2
HSF-155A	20	2 3/8	10 7/8	12 7/16	1 1/2
HSF-200A	20	2 1/2	11 5/8	13 1/2	2
HSF-205A	32	2 1/2	11 9/16	13 1/2	2
HSF-250A	32	3 1/4	12 1/2	14 3/4	2 1/2
HSF-255A	64	3 1/4	12 5/16	14 3/4	2 1/2
HSF-300A	56	3 3/4	12 7/8	14 3/4	3
HSF-305A	96	3 3/4	11 3/4	14 3/4	3

Features

Made in U.S.A.

- **Shot filled head reduces rebound for safety and transmits more force to the work
- Handles are durable and comfortable
- Heavy duty construction for strength and durability
- Use with Soft-Face hammer tips below. Match head diameter with tip diameter for proper fit.
- Tips are not included with hammer body
- 5/16 – 18 thread size



HSF-20S



HSF-20M



HSF-20T

WILLIAMS®

SOFT-FACE HAMMER TIPS

Heavy Duty

Product Code	Hardness	Tip Diameter (Inches)	Color
Brown: Working with soft composites, plastics and soft alloy metals. Replaces vinyl hammer.			
HSF-10S	Soft	1	Brown
HSF-15S	Soft	1 1/2	Brown
HSF-20S	Soft	2	Brown
HSF-25S	Soft	2 1/2	Brown
HSF-30S	Soft	3	Brown
Red: Working with soft composites, plastics and soft alloy metals. Replaces rawhide hammer.			
HSF-10M	Medium	1	Red
HSF-15M	Medium	1 1/2	Red
HSF-20M	Medium	2	Red
HSF-25M	Medium	2 1/2	Red
HSF-30M	Medium	3	Red
Cream: Working with soft composites, plastics and soft alloy metals. Replaces soft-metal hammer			
HSF-10N	Medium Hard	1	Cream
HSF-15N	Medium Hard	1 1/2	Cream
HSF-20N	Medium Hard	2	Cream
HSF-25N	Medium Hard	2 1/2	Cream
HSF-30N	Medium Hard	3	Cream
Black: Working with hard surface composites and other hard metals.			
HSF-10H	Hard	1	Black
HSF-15H	Hard	1 1/2	Black
HSF-20H	Hard	2	Black
HSF-25H	Hard	2 1/2	Black
HSF-30H	Hard	3	Black
Yellow: Working with hard surface composites and other hard metals, hardness is close to steel.			
HSF-10XH	Extra Hard	1	Yellow
HSF-15XH	Extra Hard	1 1/2	Yellow
HSF-20XH	Extra Hard	2	Yellow
HSF-25XH	Extra Hard	2 1/2	Yellow
HSF-30XH	Extra Hard	3	Yellow
Green: Working with soft composites, plastic and soft alloy metals. Replaces brass hammer			
HSF-10T	Tough	1	Green
HSF-15T	Tough	1 1/2	Green
HSF-20T	Tough	2	Green
HSF-25T	Tough	2 1/2	Green
HSF-30T	Tough	3	Green

Features

Made in U.S.A.

- Heavy duty construction for strength and durability

WILLIAMS®

SLEDGE HAMMERS

Wood Handle

Product Code	Weight (lbs.)	Handle Length (inches)	Overall length (Inches)	Face Diameter (Inches)
SH-2A	2	15	15	1 ½
SH-4A	4	15	15	2
SH-6A	6	36	36	2 ⅛
SH-8A	8	36	36	2 ⅛
SH-10A	10	36	36	2 ½
SH-12A	12	36	36	2 ⅝
SH-16A	16	36	36	2 ¾

Replacement Handle Service Kit

Product code	Description	Weight (ozs.)	Length (Inches)
SHHW-14A	Handle	14	15
SHHW-32A	Handle	24	36

Made in U.S.A.



SH-8A

Features

- High carbon steel, heat treated and tempered head, with hickory handle

WILLIAMS®

SLEDGE HAMMERS

Fiberglass Handle

Product Code	Weight Class (lbs.)	Handle Length (inches)	Overall length (Inches)	Face Diameter (Inches)
SHF-4SA **	4	14	14	1 ¼
SHF-8SA **	8	32	32	2
SHF-12SA **	12	32	32	2 ¼
SHF-2A	2	14	14	1 ¼
SHF-3A	3	14	14	1 ½
SHF-4A	4	14	14	1 ⅝
SHF-6A	6	32	32	1 ¾
SHF-8A	8	32	32	2
SHF-10A	10	16	16	2 ⅛
SHF-10LA	10	32	32	2 ⅛
SHF-12A	12	32	32	2 ¼
SHF-16A	16	24	24	2 ⅝
SHF-16LA	16	32	32	2 ⅝
SHF-20A	20	36	36	2 ¾

Replacement Handle Service Kit

Product Code	Description	Weight (lbs)	Length (Inches)
SHHF-14A	Fiberglass	2 to 4	14
SHHF-16A	Fiberglass	6 to 8	16
SHHF-32A	Fiberglass	6 to 16	32
SHHF-36	Fiberglass	20	36

Made in U.S.A.



SHF-4A



SHF-10LA

Features

- ** Soft steel safety head is similar in hardness to brass
- ** Ideal replacement for Brass Head where non-sparking is not required
- Double faced head is hardened and tempered forged for maximum strength and durability.
- All kits include replacement handle, pre-measured bonding mix, mix container and instructions

WILLIAMS®

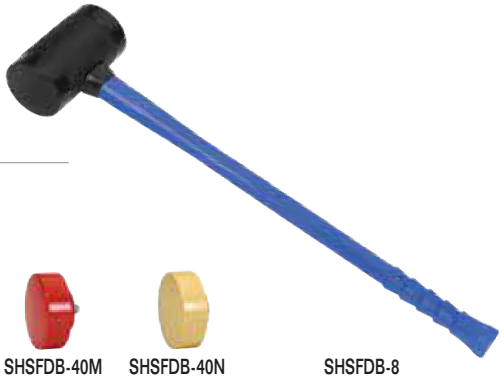
DEAD BLOW SLEDGE HAMMERS WITH REPLACEMENT TIPS

Product Code	Weight (lbs)	Handle Length (Inches)	Overall length (Inches)	Face Diameter (Inches)
SHSFDB-8	8	29	32	2

Includes Two 4" Black Tips

4" Replacement Tip

Product code	Hardness	Color	Product code	Hardness	Color
SHSFDB-40S	Soft	Brown	SHSFDB-40N	Med/Hard	Cream
SHSFDB-40M	Medium	Red	SHSFDB-40H	Hard	Black
SHSFDB-40T	Tough	Green	SHSFDB-40XH	Extra hard	Yellow



SHSFDB-8



SHSFDB-40H

SHSFDB-40M

SHSFDB-40N



SHSFDB-40S



SHSFDB-40T



SHSFDB-40XH

Features

- Shot loaded dead blow heads deliver the impact of a steel hammer with little or no rebound
- Oversized head and striking face minimizes miss hits, applying force with greater impact and repeatability
- Strong yet light weight handles provide 90% of the total hammer weight at the head
- 4" Non-marring removable tips can be replaced when worn





PC-27

WILLIAMS®

27 PIECE PUNCH & CHISEL SET

Packed in a Pouch

Product Code	Description
PC-27	27 Piece Punch & Chisel Set

Contents Include:

Product Code	Description	Point Diameter (Inches)	Product Code	Description	Blade Width (Inches)
P-3	Pin Punch	3/32	C-8	Cold Chisel	1/4
P-4	Pin Punch	1/8	C-10	Cold Chisel	5/16
P-5	Pin Punch	5/32	C-12	Cold Chisel	3/8
P-6	Pin Punch	3/16	C-16	Cold Chisel	1/2
P-8	Pin Punch	1/4	C-20	Cold Chisel	5/8
P-10	Pin Punch	5/16	C-24	Cold Chisel	3/4
P-13	Solid Punch	3/32	C-28	Cold Chisel	7/8
P-14	Solid Punch	1/8	C-32	Cold Chisel	1
P-15	Solid Punch	5/32	C-36	Cold Chisel	1 1/8
P-16	Solid Punch	3/16			
P-17	Solid Punch	1/4	28449	Punch and Chisel Holder 7/8" Capacity	
P-25	Long Taper Punch	5/32			
P-26	Long Taper Punch	3/16			
P-28	Long Taper Punch	1/4			
P-30	Prick Punch	-			
P-40	Center Punch	-			
P-42	Center Punch	-			

Features

- Heavy duty construction for strength and durability.
- Includes punch and chisel holder for safety.

Made in U.S.A.



PC-17

WILLIAMS®

17 PIECE PUNCH & CHISEL SET

Packed in a Pouch

Product Code	Description
PC-17	17 Piece Punch & Chisel Set

Contents Include:

Product Code	Description	Point Diameter (Inches)	Product Code	Description	Blade Width (Inches)
P-4	Pin Punch	1/8	C-10	Cold Chisel	5/16
P-6	Pin Punch	3/16	C-12	Cold Chisel	3/8
P-8	Pin Punch	1/4	C-16	Cold Chisel	1/2
P-14	Solid Punch	1/8	C-20	Cold Chisel	5/8
P-15	Solid Punch	5/32	C-24	Cold Chisel	3/4
P-16	Solid Punch	3/16	C-42	Cape Chisel	1/4
P-25	Long Taper Punch	5/32	C-62	Diamond Point Chisel	3/8
P-28	Long Taper Punch	1/4			
P-32	Prick Punch	-			
P-40	Center Punch	-			

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.

WILLIAMS®

8 PIECE PUNCH & CHISEL SET

Packed in a Pouch

Product Code	Description
PC-8	8 Piece Punch & Chisel Set

Contents Include:

Product Code	Description	Point Diameter (Inches)	Product Code	Description	Blade Width (Inches)
P-4	Pin Punch	1/8	C-10	Cold Chisel	5/16
P-6	Pin Punch	3/16	C-16	Cold Chisel	1/2
P-8	Pin Punch	1/4	C-24	Cold Chisel	3/4
P-15	Solid Punch	5/32			
P-40	Center Punch	-			

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.



PC-8

WILLIAMS®

8 PIECE CHISEL SET

Packed in a Pouch

Product Code	Description
CS-8	8 Piece Chisel Set

Contents Include:

Product Code	Description	Blade Width (Inches)	Product Code	Description	Blade Width (Inches)
C-40	Cape Chisel	3/16	C-60	Diamond Point Chisel	1/4
C-42	Cape Chisel	1/4	C-62	Diamond Point Chisel	3/8
C-44	Cape Chisel	5/16	C-72	Round Nose Chisel	1/4
C-46	Cape Chisel	3/8	C-74	Round Nose Chisel	3/8

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.



CS-8

WILLIAMS®

9 PIECE COLD CHISEL SET

Packed in a Pouch

Product Code	Description
CS-9	9 Piece Cold Chisel Set

Contents Include:

Product Code	Description	Blade Width (Inches)	Product Code	Description	Blade Width (Inches)
C-8	Cold Chisel	1/4	C-24	Cold Chisel	3/4
C-10	Cold Chisel	5/16	C-28	Cold Chisel	7/8
C-12	Cold Chisel	3/8	C-32	Cold Chisel	1
C-16	Cold Chisel	1/2	C-36	Cold Chisel	1 1/8
C-20	Cold Chisel	5/8			

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.



CS-9

WARNING


PS-17

WILLIAMS®

17 PIECE PUNCH SET

Packed in a Pouch

Product Code	Description
PS-17	17 Piece Punch Set

Contents Include:

Product Code	Description	Tip Diameter (Inches)	Product Code	Description	Tip Diameter (Inches)
P-3	Pin Punch	3/32	P-16	Solid Punch	3/16
P-4	Pin Punch	1/8	P-17	Solid Punch	1/4
P-5	Pin Punch	5/32	P-25	Long Taper Punch	5/32
P-6	Pin Punch	3/16	P-26	Long Taper Punch	3/16
P-8	Pin Punch	1/4	P-28	Long Taper Punch	1/4
P-10	Pin Punch	5/16	P-30	Prick Punch	-
P-13	Solid Punch	3/32	P-40	Center Punch	-
P-14	Solid Punch	1/8	P-42	Center Punch	-
P-15	Solid Punch	5/32			

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.


PS-4

WILLIAMS®

4 PIECE CENTER PUNCH SET

Packed in a Pouch

Product Code	Description
PS-4	4 Piece Center Punch Set

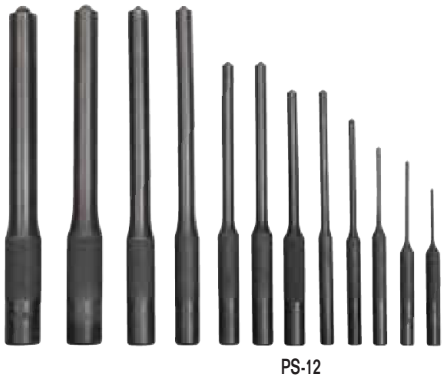
Contents Include:

Product Code	Description	Stock Diameter (Inches)	Product Code	Description	Stock Diameter (Inches)
P-38	Center Punch	1/4	P-40	Center Punch	3/8
P-39	Center Punch	5/16	P-42	Center Punch	1/2

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.


PS-12

WILLIAMS®

12 PIECE PILOT PUNCH SET

Packed in a Pouch

Product Code	Description
PS-12	12 Piece Pilot Punch Set

Contents Include:

Product Code	Point Diameter	Product Code	Point Diameter
P-51	1/16	P-57	7/32
P-52	5/64	P-58	1/4
P-53	3/32	P-59	5/16
P-54	1/8	P-60	3/8
P-55	5/32	P-61	7/16
P-56	3/16	P-62	1/2

Features

- Designed to apply equal pressure to the end of a pin driving it straight through the hole.
- The ball on the center of the point end assures proper contact with the pin eliminating damage to the pin or hole wall.

Made in U.S.A.

WILLIAMS®

8 PIECE PILOT PUNCH SET

Packed in a Pouch

Product Code	Description
PS-8	8 Piece Pilot Punch Set

Contents Include:

Product Code	Point Diameter	Product Code	Point Diameter
P-51	1/16	P-55	5/32
P-52	5/64	P-56	3/16
P-53	3/32	P-57	7/32
P-54	1/8	P-58	1/4

Features
- Designed to apply equal pressure to the end of a pin driving it straight through the hole.
- The ball on the center of the point end assures proper contact with the pin eliminating damage to the pin or hole wall.

Made in U.S.A.



PS-8

WILLIAMS®

3 PIECE BRASS DRIFT PUNCH SET

Packed in a Pouch

Product Code	Description
PS-3	3 Piece Brass Drift Punch Set

Contents Include:

Product Code	Point Diameter
P-63	3/8
P-64	1/2
P-65	3/4

Made in U.S.A.

Features
- For aligning unhardened steel or aluminum



PS-3

WILLIAMS®

PUNCH AND CHISEL HOLDER

Comfort Grip Handle

Product Code	Description
28449	7/8

Features
- Holds chisel and punch securely
- Protect user from hand injury

Made in U.S.A.



28449

WILLIAMS®

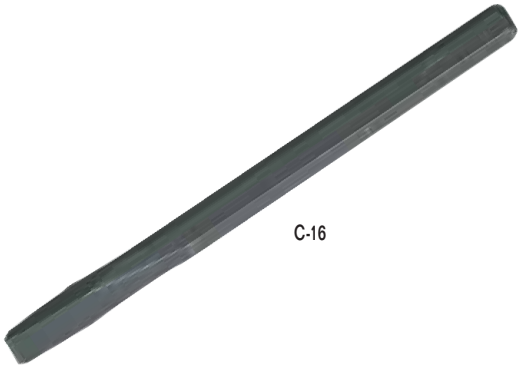
COLD CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-8	1/4	1/4	5
C-10	1/4	5/16	5
C-12	5/16	3/8	5 1/2
C-15	3/8	7/16	6
C-16	7/16	1/2	6
C-20	1/2	5/8	6 1/2
C-24	5/8	3/4	7
C-28	3/4	7/8	7 1/2
C-32	7/8	1	8
C-36	7/8	1 1/8	8

Features
- The most commonly used chisels in the chisel line.
- For cutting, shaping and removing metal softer than the cutting edge of the chisel.

Made in U.S.A.



C-16

WARNING



3654BMS/7



3734BMS/7



3739H



3750H



3736MH

BAHCO

7 PIECE SOFT GRIP PUNCH AND CHISEL SET

Soft Grip

Product Code	Description
3654BMS/7	7 Piece Soft Grip Punch and Chisel Set

Contents Include:

Product Code	Description	Point Diameter	Product Code	Description	Point Diameter
3734BM-2	Pin Punch	1/16	3654BM-15	Chisels	5/8
3734BM-4	Pin Punch	1/8	3654BM-20	Chisels	3/4
3734BM-5	Pin Punch	3/16	3755BM-6	Center	1/4
3734BM-6	Pin Punch	1/4			

BAHCO

7 PIECE SOFT GRIP PIN PUNCH SET

Soft Grip

Product Code	Description
3734BMS/7	7 Piece Soft Grip Pin Punch Set

Contents Include:

Product Code	Description	Point Diameter	Product Code	Description	Point Diameter
3734BM-2	Pin Punch	1/16	3734BM-6	Pin Punch	1/4
3734BM-3	Pin Punch	1/8	3734BM-8	Pin Punch	5/16
3734BM-4	Pin Punch	3/16	3734BM-10	Pin Punch	3/8
3734BM-5	Pin Punch	3/16			

Features

- Soft grip handle provides a powerful grip, is more comfortable in cold work environments and reduces strike vibration
- Semispherical striking area controls mushrooming to help reduce chipping and splitting
- Cutting edges on chisels are hand ground to consistently produce a quality edge
- Black oxide coated
- Manufactured from special alloy steel that is differentially heat treated to increase durability

BAHCO

POINTED CHISELS

Safety impact head

Product Code	Length (Inches)
3739H-250	10
3739H-300	12
3739H-400	15 1/2

Features

- Safety impact head with plastic hand protection

BAHCO

SLITTING CHISEL

Safety impact head

Product Code	Length (Inches)
3750H	10

Features

- Safety impact head with plastic hand protection

BAHCO

MASON'S CHISEL

Safety impact head

Product Code	Length (Inches)	Tip Width (Inches)
3736MH-250	10"	1"
3736MH-300	12	1"
3736MH-400	15 1/2	1"

Features

- Safety impact head with plastic hand protection

WILLIAMS®

EXTRA-LONG COLD CHISELS

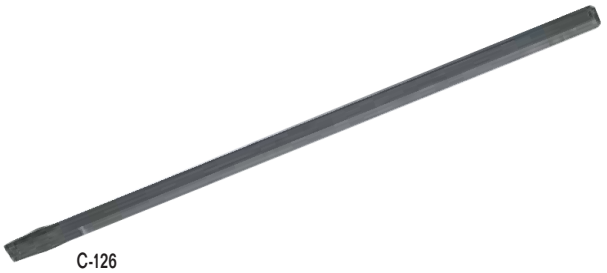
Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-120	1/2	5/8	12
C-124	5/8	3/4	12
C-125	5/8	3/4	14
C-126	5/8	3/4	18
C-132	3/4	1	12
C-133	3/4	1	18

Features

- Designed for cutting, shaping and removing metal softer than the cutting edge of the chisel.

Made in U.S.A.


C-126

WILLIAMS®

RIVET-BUSTER CHISEL

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-422	5/8	3/4	12

Features

- Designed for shearing bolt heads and rivets.

Made in U.S.A.


C-422

WILLIAMS®

CAPE CHISELS

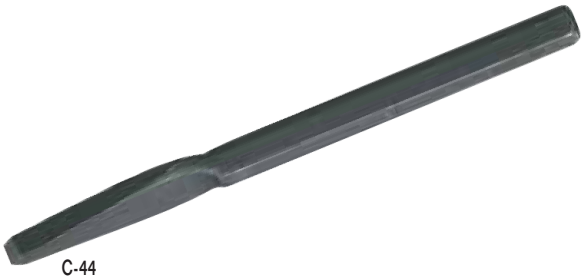
Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-40	3/8	3/16	5 5/8
C-42	3/8	1/4	5 5/8
C-44	1/2	5/16	6 1/4
C-46	5/8	3/8	7

Features

- Designed for cutting or grooving keyholes or slots.

Made in U.S.A.


C-44

WILLIAMS®

DIAMOND POINT CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Square Cut	Length (Inches)
C-60	3/8	1/4	5 3/4
C-62	5/8	3/8	7

Features

- Designed for making a V-groove in metal and to clean out inside corners.

Made in U.S.A.


C-62

WILLIAMS®

ROUND NOSE CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-72	3/8	1/4	5 3/4
C-73	1/2	5/16	6 1/4
C-74	5/8	3/8	7
C-75	3/4	1/2	8

Features

- Designed for cutting or grooving keyholes or slots.

Made in U.S.A.


C-74

WARNING



P-57

WILLIAMS®

PILOT PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)
P-51	1/4	1/16	2 3/4
P-52	1/4	5/64	3 1/4
P-53	1/4	3/32	3 1/2
P-54	1/4	1/8	4
P-55	1/4	5/32	4 1/2
P-56	3/8	3/16	4 1/2
P-57	3/8	7/32	5
P-58	7/16	1/4	5 1/2
P-59	7/16	5/16	6
P-60	1/2	3/8	6
P-61	5/8	7/16	6
P-62	5/8	1/2	6

Made in U.S.A.

Features

- Designed to apply equal pressure to the end of a pin driving it straight through the hole.
- The ball on the center of the point end assures proper contact with the pin eliminating damage to the pin or hole wall.



P-6

WILLIAMS®

PIN PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)
P-3	5/16	3/32	4 1/2
P-4	5/16	1/8	4 3/4
P-5	5/16	5/32	5
P-6	3/8	3/16	5 1/4
P-8	3/8	1/4	5 3/4
P-10	7/16	5/16	6

Made in U.S.A.

Features

- For driving out and removing already loosened pins and keys after initial movement by a solid or starter punch.



P-16

WILLIAMS®

SOLID PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)
P-12	3/8	1/16	5
P-13	3/8	3/32	5
P-14	3/8	1/8	5
P-15	3/8	5/32	5
P-16	3/8	3/16	5
P-18	3/8	7/32	5
P-17	3/8	1/4	5

Made in U.S.A.

Features

- For loosening frozen or tight pins and keys or knocking out rivets.
- Also called starter punches because they are ideal for loosening frozen pins.

WILLIAMS®

LONG TAPER PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)
P-24	5/16	1/8	8
P-25	3/8	5/32	9
P-26	1/2	3/16	10
P-28	5/8	1/4	12
P-28A	3/4	1/4	15
P-29	5/8	5/16	16
P-27	3/4	3/8	15

Made in U.S.A.

Features

- Designed for aligning the holes in metal pieces through which rivets, bolts, or screws will be inserted.
- Not intended for driving pins as punch may become stuck in work.
- Also called line-up aligning or drift punches.



P-28

WILLIAMS®

CENTER PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)
P-38	1/4	4
P-39	5/16	4 1/2
P-40	3/8	5
P-42	1/2	6

Made in U.S.A.

Features

- Pierces or marks work by indentation for starting pilot drills in metal or other materials.



P-40

WILLIAMS®

PRICK PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Length (Inches)
P-30	3/8	5
P-32	1/2	6

Made in U.S.A.

Features

- For scribing lines into metal before cutting or riveting, and for punching starting holes for short metal screws.
- Point is more tapered than center punch.



P-30

WILLIAMS®

BRASS DRIFT PUNCHES

Packed in a Pouch

Product Code	Body Size	Overall Length (Inches)
P-63	3/8	6
P-64	1/2	7
P-65	3/4	8

Made in U.S.A.

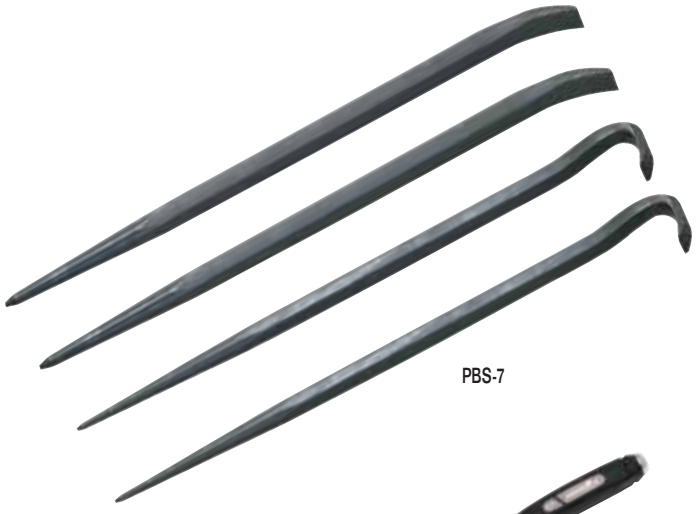
Features

- For aligning unhardened steel or aluminum



P-64

WARNING



PBS-7

WILLIAMS

4 PIECE PINCH & ROLL BAR SET

Heavy Duty Industrial Grade

Product Code	Description
PBS-7	4 Piece Pinch & Roll Bar Set

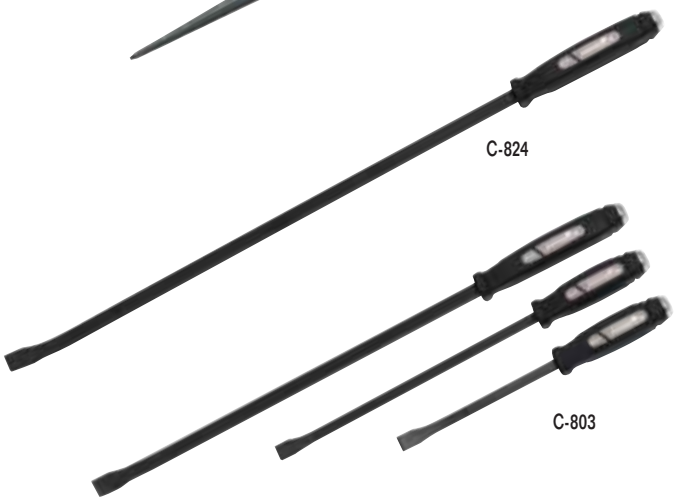
Contents Include:

Product Code	Description	Stock Diameter (Inches)
C-80A	Pinch Bar	3/4
C-82A	Pinch Bar	3/4
C-715	Roll Bar	1/2
C-718	Roll Bar	5/8

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.



C-824

C-803

WILLIAMS

PRYBARS - SCREWDRIVER TYPE

Contents Include:

Product Code	Size	Overall Length (Inches)	Product Code	Size	Overall Length (Inches)
C-807	3/8	12	C-836	5/8	36
C-812	3/8	17	C-842	5/8	42
C-818	1/2	25	C-844	7/8	44
C-824	1/2	31	C-858	3/4	58

Product Code	Description
C-803	3 Piece Prybar Set

Contents Include:

Product Code	Overall Length (Inches)
C-807	12
C-812	17
C-818	25

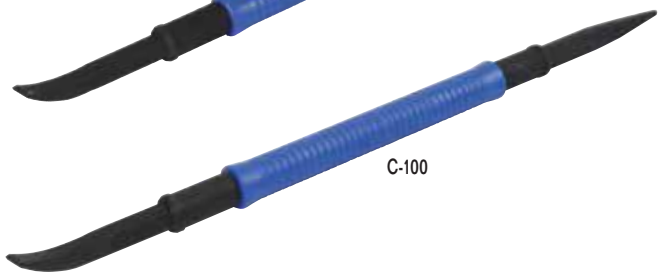
Features

Made in U.S.A.

- Blade is heat-treated the entire length.
- Handle is ergonomically designed to provide a more comfortable and secure grip
- Curved blade style gives extra leverage
- Capped end allows for striking without damage to handle



C-90



C-100

WILLIAMS

LIGHTWEIGHT HANDLE PRYBARS

Single Curved Tip

Product Code	Overall Length (Inches)	Product Code	Overall Length (Inches)
C-90	30	C-92	41 1/2
C-91	35 1/2	C-93	48 1/2

Double End

Product code	Overall length (Inches)	Product code	Overall length (Inches)
C-100	33	C-102	44
C-101	38	C-103	50

Features

- Designed with drop forged hardened steel point & wedge ends
- Rust resistant black finish
- Prybar is chemically bonded to the fiberglass handle.
- Half the weight of steel prybars
- Handle resists heat & cold less flex than a steel bar
- Non-Conductive fiberglass provides insulation from electrical shock
- Used by:
  - Contractors & mechanics for construction & auto repair
  - Municipalities for safe prying, lifting & digging
  - Fire & Police - Forcible entry

WILLIAMS®

LADYFOOT PRYBARS

Product Code	Stock Size	Overall Length (Inches)
C-612	½	12
C-616	⅝	16
C-621	¾	21

Features

- Curved end ensures better leverage in small areas.
- Other end for aligning work.

Made in U.S.A.



C-612

WILLIAMS®

PINCH BARS

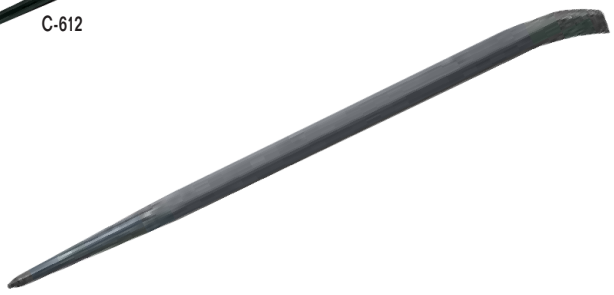
Heavy Duty Industrial Grade

Product Code	Overall Length (Inches)	Stock Size	Width of Flat (Inches)
C-80	14	½	⅝
C-82	16	⅝	¾
C-82A	18	¾	⅞
C-83	20	¾	⅞
C-80A	24	¾	⅞
C-84	30	⅞	1
C-85	38	¾	⅞
C-86	42	⅞	1

Features

- Used for aligning, prying and positioning.

Made in U.S.A.



C-83

WILLIAMS®

ROLL BARS

Heavy Duty Industrial Grade

Product Code	Overall Length (Inches)	Stock Size
C-709	9	⅜
C-715	16	½
C-718	18	⅝

Features

- Aligning and prybar with long tapered body and 90° rolling head.

Made in U.S.A.



C-715

WILLIAMS®

2 PIECE COMFORT GRIP PRYBAR SET

Bi-Mold Comfort Grip Handles

Product Code	Description
21661A	2 Piece Comfort Grip Prybar Set

Contents Include:

Size	Overall Length (Inches)
Small	8
Large	18

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Thumb stop on handle provides control during use.
- Fulcrum end provides extra prying power.



21661A

BAHCO®

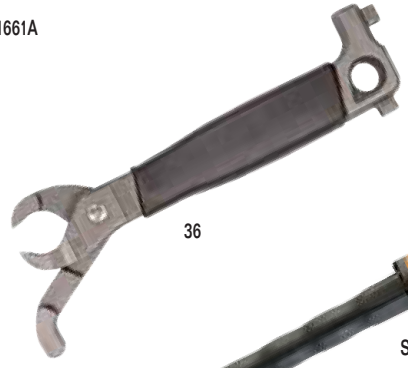
NAIL PULLER/NAIL PUNCH

Nail Punch

Product Code	Description	Overall Length (Inches)
36	Nail Puller	9
SB-3732-2.5-1.25	Nail Punch	5

Features

- For fast easy removal of nails.
- Black Industrial Finish.
- Comfortable non-slip thermoplastic grip handle.
- Patented internal spring to keep the jaws open.
- Wide striking area.
- To be used with a claw hammer.



36



SB-3732-2.5-1.25

⚠WARNING



PULLERS AND HYDRAULICS

The Williams range of pullers and extractors delivers solutions for a wide variety of industrial applications. Made of special steel with a galvanized finish, they allow the quick, easy, non-damaging removal of pulleys, gears, ball bearings, etc.

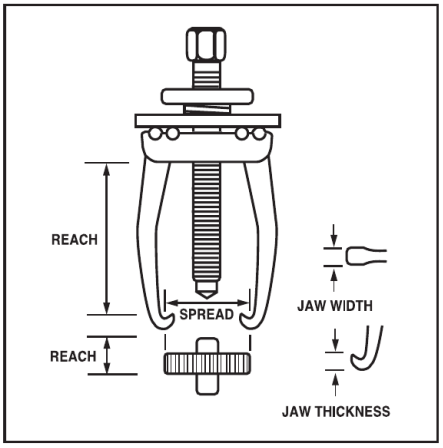
Pullers Sets	502
Pullers	506
Cylinders	512
Pumps	525
Shop Press	537
Jacks	538
Spreaders	540
Maintenance Kits	541
Fittings	542
Couplers	543

The ABC's of Selecting the Right Puller

A. What Type of Puller Do I Want to Use?
What would be the Combination that Works the Best?

B. **Determine the "Reach"and "Spread" Needed** - The puller's reach must equal or exceed the same distance on the part. The puller's spread is the width of the part.

C. **Estimate the Puller Tonnage** - Generally, if you already have the correct "reach and spread," you will usually have the proper tonnage. If in doubt, use the next larger size.



Features and Benefits

- **Spring Tensioned and Self-locking Jaws –** Spring tension design holds jaws against object being pulled, then adjusting or locking nut is tightened, thus clamping the puller securely.
- **Interchangeability –** Different jaws can be used with yoke, thus allowing tremendous variety within the Williams' line.
- **Jaws –** Jaws are forged for maximum strength. Forging is a proven process to control dimensions and provide the basis for precise heat-treating.
- **Curved Jaw Design –** This allows for a secure grip, flush to the object being pulled.
- **Reversible Jaws –** Jaws can be reversed in a simple operation (no nuts and bolts) by pulling up on the locking plate.
- **Two-jaw Positions –** This feature helps avoid stresses created from wedging action to allow straighter pull. One set of jaws and one yoke actually provides capabilities of three pullers.
- **Pins are Forged as Part of the Jaw –** Allows easy interchange of jaws; no nuts or bolts that can be misplaced.
- **Part Numbers on Jaws –** Numbers are stamped on jaws for easy identification and reorder.
- **Parabolic curved anvil head –** A feature on the head of the pressure screw for occasional hammer blows to "persuade" frozen gears and pulleys. Designed to reduce mushrooming. Easily redressed with a hand file.
- **Hex Head on Screw –** This means that the pressure screw can be turned with a standard hex wrench or socket – no special tools needed.
- **Roller threads –** Pressure screws have rolled threads (fine [nf] on manual, course [nc] on hydraulic), instead of cut threads, making them stronger and more durable.
- **Replaceable Centering Point –** The centering point directs power to help prevent cocking of the puller. Also allows easy, almost friction-free, turning of the pressure screw. Generally, only the centering point, and not the whole screw, need replacing, saving your customer big dollars.
- **Yoke –** Yoke is forged and precisely heat-treated for maximum strength and maximum durability.
- **Slide Hammer or Pressure Screws –** Yoke is compatible with both slide hammer or pressure screw. It is also recommended that a lubrication compound (NEVER-SEEZ®) be used on the pressure screws.
- **Slide Hammer –** Many of our pullers can be assembled with a longer pressure screw to use slide hammer power. This fact is especially useful in removing blind hole bearings.

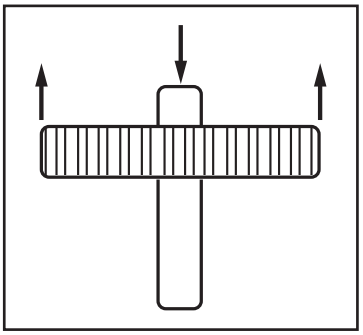
⚠WARNING

General Rule to Choose Pullers

Manual Pullers- Pressure screw should be at least half the diameter of the shaft on the pulling/pushing job.

Hydraulic Pullers -Maximum tonnage capacity (tons) should be 8 to 10 times the diameter (in inches) of the shaft to be pulled or pushed.

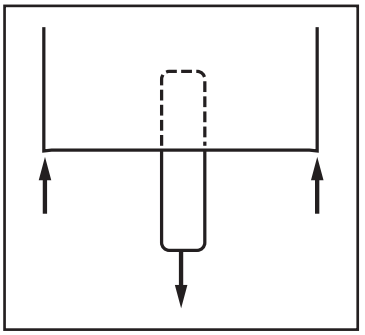




Removing a Gear, Bearing, Pulley, or Other Component from a Shaft

Tools to Use

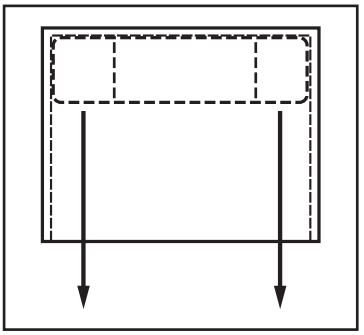
- **Jaw-Type Puller** - 2- or 3-jaw style, with 3-jaw being the best choice. Manual or hydraulic with outside jaw positions.
- **Push-Pull Puller** - Use male or female adaptors to thread into tapped holes on components.
- **Slide Hammer Puller** - Use on light-duty applications. For use with attachments.
- **Bar-Type Puller with Bearing Separator** Bar type with side rods threaded into bearing separator provides "knife edge" to get behind component or when there is not a good gripping edge.



Pulling a Shaft Out of a Housing or Bore

Tools to Use

- **Push-Pull Puller** - Use male or female adaptors.
- **Bar-Type Puller with Bearing Separator** - Use when housing lacks sufficient surface for puller side rods to bear against.
- **Slide Hammer Puller** - Use on light-duty applications. For use with attachments.
- **Slide Hammer Puller** -Use with male or female adaptors. See page 333 for a full listing of compatible adaptors.



Removing a Bearing or Bushing from a Blind Hole

Tools to Use

- **Jaw-Type Puller** - For inside jaw positions (inside pulls), a manual or hydraulic jaw-type puller can be used with pressure screw or slide hammer variations.
- **Expanded Collet Puller** - The inside diameter should range between 1/4" and 7". Pulling can be done with bridge, bar-type yokes, or slide hammers.
- **Bearing Adaptors with Slide Hammer Puller** Slide Hammer should be used in this application.
- **Bar-Type Puller with Bearing Separator** - Bar type with side rods threaded into bearing separator provides "knife edge" to get behind components or when there is not a good gripping edge.

Warning



⚠WARNING

- Pullers and parts under stress can break.
  Wear safety goggles while using pullers. Screen the puller from yourself and bystanders. Use the largest size puller possible to do the job. Use a three jaw puller where possible. Inspect puller; do not use puller with worn or damaged parts. Make sure puller is fully engaged and squarely seated.
  Broken parts can cause injury.
- Heating puller jaws can change their strength.
  Do not heat jaws of puller.
  Weakened jaws can break and cause injury.
- Hammering on puller jaws can cause damage.
  Hammer only on curved head of pressure screw.
  Broken parts can cause injury.
- Hand can get caught between slide hammer and hammer stop.
  Keep hand away from front and rear of slide hammer.
  Hand injury can be caused by slide hammer.
- Damaged or loose hydraulic lines can leak or burst.
  Inspect hoses; do not use hoses with cuts, splits, or cracks.
  Tighten hydraulic connections.
  Hydraulic leak can cause injury.
- **Be sure that pressure screw threads are cleaned and well lubricated when using impact tools on pullers.**
- **Always use protective tip or removable point to prevent pressure screw from mushrooming or splitting.**
- **Always maintain a proper fluid level in hydraulic pump.**
- **Always use a pressure gauge with hydraulic pullers.**
- **Never keep pressure on a hydraulic ram.**
  When job is finished, immediately release ram pressure.
- **Use blind hole bearing pullers rather than torches, chisels, screwdrivers, hammers, prybars, etc. A blind hole puller provides 360° of steady, even pulling power.**

WILLIAMS®

MASTER COMBINATION GEAR PULLER SET

2 and 3 Jaw, 10 & 12-1/2 Ton Capacity, Pressure Screw and Slide Hammer

Product Code	Maximum Capacity (Tons)	Maximum Reach (Inches)
87079	12 1/2	8 3/4


87079

Contents Include:

Description	Capacity (Tons)	Maximum Reach (Inches)	Pressure Screw Size (Inches)
Plastic Case	-	-	-
Handle Bar	-	-	-
Slide Hammer Screw	10	-	3/4-16 x 23 3/8
3 1/2 Lb. Slide Hammer	-	-	-
Long Pressure Screw	10	8 3/4	3/4-16 x 12 1/8
Short Pressure Screw	10	5 1/2	3/4-16 x 9 3/16
Special Grip Jaw	12 1/2	5 1/2	-
Jaw	12 1/2	8 3/4	-
2 Jaw Yoke	10	-	-
2 Jaw Yoke Plate	-	-	-
Spring	-	-	-
Adjusting Nut	-	-	-
3 Jaw Yoke	12 1/2	-	-
3 Jaw Yoke Plate	-	-	-
Removable Point	-	-	-
Flat Removable Point	-	-	-
Jaw	12 1/2	5 1/2	-

Features

Made in U.S.A.

- Ideal for heavy-duty use.
- Plastic case keeps all components organized and helps prevent loss.
- Makes a variety of 2 and 3-jaw pressure screw and slide hammer pullers.
- Pulls gears up to 10" diameter.

WILLIAMS®

HEAVY DUTY GEAR PULLER SET

2 and 3 Jaw, 10 & 12-1/2 Ton Capacity, Pressure Screw

Product Code	Maximum Capacity (Tons)	Maximum Reach (Inches)
87021	12 1/2	8 3/4


87021

Contents Include:

Description	Capacity (Tons)	Maximum Reach (Inches)	Pressure Screw Size (Inches)
2 Jaw Puller With Long Reach Jaws	10	8 3/4	3/4 - 16 x 12 - 1/8
3 Jaw, Long Reach	12 1/2	8 3/4	-
3 Jaws, Short Reach	12 1/2	5 1/2	-
Yoke - 3 Jaw	-	-	-
Locking Plate - 3 Jaw	-	-	-
Metal Box		-	-

Features

Made in U.S.A.

- Components assemble to form 8 different pullers.
- Pulls gears up to 8" diameter.

⚠WARNING



87020

WILLIAMS

MEDIUM DUTY COMBINATION GEAR PULLER SET

2 and 3 Jaw, 6 & 7-1/2 Ton Capacity, Pressure Screw and Slide Hammer

Product Code	Maximum Capacity (Tons)	Maximum Reach (Inches)
87020	7 1/2	6

Contents Include:

Description	Capacity (Tons)	Maximum Reach (Inches)	Pressure Screw Size (Inches)
3 Jaw Puller With Long Reach Jaws	6	6	5/8 - 18 x 6 7/8
3 Jaws, Short Reach	7 1/2	3	-
Yoke - 2 Jaw	6	-	-
2 1/8 Lb. Slide Hammer	-	-	-
Slide Hammer Screw	-	-	5/8 - 18 x 18 1/16
Pulling Plate	-	-	-
Metal Tool Box 19" X 5 7/8" X 2 1/2"	-	-	-

Features

- Components assemble to form 6 different pullers.
- Pulls gears up to 8" diameter.

Made in U.S.A.



87019

WILLIAMS

LIGHT DUTY COMBINATION GEAR PULLER SET

3-Jaw, 2-1/2 Ton Capacity, Pressure Screw and Slide Hammer

Product Code	Maximum Capacity (Tons)	Maximum Reach (Inches)
87019	2 1/2	8 3/4

Contents Include:

Description	Capacity (Tons)	Maximum Reach (Inches)	Pressure Screw Size (Inches)
3 Jaw Puller With Short Reach Jaws	2 1/2	2 1/2	3/8 - 16 x 6 1/16
3 Jaws, Long Reach	2 1/2	3 1/2	-
1 1/16 Lb. Slide Hammer	-	-	-
Slide Hammer Screw	-	-	3/8 - 16 x 12 5/8
Metal Tool Box 12" X 4 1/2" X 2"	-	-	-

Features

- Components assemble to form 8 different pullers.
- Pulls gears up to 3" diameter.

Made in U.S.A.



87016



87018

WILLIAMS

SLIDE HAMMER SETS

Product Code	Slide Hammer Weight (Lbs.)	Slide Screw Size (Inches)
87016	1 1/16	3/8 - 16 x 12 5/8
87017	2 1/8	5/8 - 18 x 18 1/16
87018	3 1/2	3/4 - 16 x 23 3/8

Features

- Converts pressure-screw type pullers to slide hammer use.
- Pressure screw is removed and slide screw assembly is inserted.
- Sliding hammer "shocking" action loosens and helps remove gears and bearings.

Made in U.S.A.

WILLIAMS®

2 TON CAPACITY GRAB'N GO PULLER SET

Short and Long 2-Jaw Puller Set

Product Code	Description
87081	2 Ton Capacity 2 Jaw Grab'n Go Puller Set

Components:

Jaw Length	Number of Jaws	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)
Short Jaws	2	2	2 1/2	7/8 - 3 1/4	3
Long Jaws	2	2	3 1/2	7/8 - 3 3/4	4

Pressure screw size: 3/8" -16 x 6 1/16"

Made in U.S.A.

Features

- Clear plastic storage tube keeps components together.
- Totally portable - Ideal for use in the shop or at the job site.
- Components assemble to form 4 different pullers:
  - Short 2-jaw external puller
  - Short 2-jaw internal puller
  - Long 2-jaw external puller
  - Long 2-jaw internal puller



87081

WILLIAMS®

2-1/2 TON CAPACITY GRAB'N GO PULLER SET

Short and Long 3-Jaw Puller Set

Product Code	Description
87082	2 1/2 Ton Capacity 3 Jaw Grab'n Go Puller Set

Components:

Jaw Length	Number of Jaws	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)
Short Jaws	3	2 1/2	2 1/2	7/8 - 3 1/4	3
Long Jaws	3	2 1/2	3 1/2	7/8 - 3 3/4	4

Pressure screw size: 3/8" -16 x 6 1/16"

Made in U.S.A.

Features

Clear plastic storage tube keeps components together.
Totally portable - Ideal for use in the shop or at the job site.
Components assemble to form 4 different pullers:
- Short 3-jaw external puller
- Short 3-jaw internal puller
- Long 3-jaw external puller
- Long 3-jaw internal puller



87082

WILLIAMS®

4-1/2 & 6 TON CAPACITY GRAB'N GO PULLER SET

Short and Long 2-Jaw Puller Set

Product Code	Description
87083	4 1/2 & 6 Ton Capacity 2 Jaw Grab'n Go Puller Set

Components:

Jaw Length	Number of Jaws	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)
Short Jaws	2	6	3	1 1/2 - 3 1/2	4 1/2
Long Jaws	2	4 1/2	6	3/4 - 8	NA

Pressure screw size: 5/8" -18 x 6 7/8"

Made in U.S.A.

Features

Clear plastic storage tube keeps components together.
Totally portable - Ideal for use in the shop or at the job site.
Components assemble to form 3 different pullers:
- Short 2-jaw external puller
- Short 2-jaw internal puller
- Long 2-jaw internal puller (NOTE: long jaws are designed for internal pulling only)



87083

⚠WARNING



87084

WILLIAMS

6 & 7-1/2 TON CAPACITY GRAB'N GO PULLER SET

Short and Long 3-Jaw Puller Set

Product Code	Description
87084	6 & 7 ½ Ton Capacity 3 Jaw Grab'n Go Puller Set

Components:

Jaw Length	Number of Jaws	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)
Short Jaws	3	7 1/2	3	1 1/2 - 3 1/2	4 1/2
Long Jaws	3	6	6	3/4 - 8	NA

Pressure screw size: 5/8" -18 x 6 7/8"

Made in U.S.A.

Features

- Clear plastic storage tube keeps components together.
- Totally portable - Ideal for use in the shop or at the job site.
- Components assemble to form 3 different pullers:
  - Short 3-jaw external puller
  - Short 3-jaw internal puller
  - Long 3-jaw internal puller (NOTE: long jaws are designed for internal pulling only)



87033

WILLIAMS

BLIND HOLE BEARING PULLER SETS

Product Code	Description	Range Size (Inches)
87033	Basic Blind Hole Puller Set	7/16 - 1

Set Includes:

Expander Rod
7/16" Collet
1/2" Collet
5/8" Collet
3/4" Collet
7/8" Collet
1" Collet
2 1/8" Pound Slide Hammer & Screw
Crossbar

Product Code	Description	Range Size (Inches)
87034	Blind Hole Expansion Set	1/4 - 7/16

Set Includes:

Expander Rod
1/4" Collet
5/16" Collet
3/8" Collet
7/16" Collet

Made in U.S.A.

Features

- These special pullers will pull blind hole bearings, bushings and sleeves with inside diameters ranging from 1/4" where regular pullers won't reach
- The operation is simple. After the special collet is inserted through the bearing or sleeve, a matched expanding rod is threaded into the collet and secured.
- Pulling is done with slide hammers.

WILLIAMS®

TWO JAW PRESSURE-SCREW PULLERS

2 to 20 Ton Capacity

Product Code	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87001	2	2 1/2	3 1/4	3	3/8 x 5 1/16	3/16	3/8
87002	2	3 1/2	3 3/4	4	3/8 x 6 1/16	3/16	3/8
87005	6	3	3 1/2	4 1/2	5/8 x 6 7/8	1/4	3/4
87008	10	5 1/2	7 1/2	8 1/2	3/4 x 9 13/16	1/4	15/16
87009	10	8 3/4	8	10	3/4 x 12 1/8	1/4	15/16
87012	10	15	11 1/2	13 3/4	3/4 x 18 15/16	3/8	1
87014	20	9 1/2	10	12	1 x 15	7/16	1 1/4
87015	20	14 3/8	13	16	1 x 19	9/16	1 1/4



2-jaw

Features

Made in U.S.A.

- Convertible from external to internal pull - each item makes 2 pullers.
- Self-locking jaws hold puller in place for one-hand operation.
- Interchangeable parts allow tremendous variety of applications.
- Jaws are forged for maximum strength and durability.
- All pullers are easily assembled without the use of other tools.
- Curved anvil heads on the pressure screw allow use of hammer to "shock" frozen gears and pulleys.
- Pullers are compatible with slide hammer sets 87016, 87017, and 87018, simply match the correct pressure screw size.

WILLIAMS®

THREE JAW PRESSURE-SCREW PULLERS

2-1/2 to 12-1/2 Ton Capacity

Product Code	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87003	2 1/2	2 1/2	3 1/4	3	3/8 x 5 1/16	3/16	3/8
87004	2 1/2	3 1/2	3 3/4	4	3/8 x 6 1/16	3/16	3/8
87006	6	6	8	NR	5/8 x 6 7/8	7/32	5/16
87007	7 1/2	3	3 1/2	4 1/2	5/8 x 6 7/8	1/4	3/4
87010	12 1/2	5 1/2	7 1/2	8 1/2	3/4 x 9 13/16	1/4	15/16
87011	12 1/2	8 3/4	8	10	3/4 x 12 1/8	1/4	15/16
87013	12 1/2	15	11 1/2	13 3/4	3/4 x 18 15/16	3/8	1



3-jaw

Features

Made in U.S.A.

- NR = Not Recommended, Designed as an inside pull only.
- Convertible from external to internal pull - all except 87006 make 2 pullers.
- Self-locking jaws hold puller in place for one-hand operation.
- Interchangeable parts allow tremendous variety of applications.
- Jaws are forged for maximum strength and durability.
- All pullers are easily assembled without the use of other tools.
- Curved anvil heads on the pressure screw allow use of hammer to "shock" frozen gears and pulleys.
- Pullers are compatible with slide hammer sets 87016, 87017, and 87018, simply match the correct pressure screw size.



WILLIAMS®

COMBINATION 2 / 3 JAW PRESSURE-SCREW PULLERS

20 Ton Capacity

Product Code	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87045	20	9 1/2	10	12	1 x 15	7/16	1 1/4

Features

Made in U.S.A.

- Similar in appearance to 3-jaw puller, with unique design that enables use as a 2-jaw or 3-jaw puller.
- Includes 3 jaws.



87045

WILLIAMS®

2 JAW HYDRAULIC PULLERS

Product Code	Description	Capacity (Tons)	Number of Jaws	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87046	6 Ton, 2 Jaw	6	2	3	3 1/2	4 1/2	1 1/8 x 20 1/2	1/4	3/4
87047	10 Ton, 2 Jaw	10	2	8 3/4	8	10 1/2	3/4 x 16 1/4	1/4	15/16
87048	10 Ton, 2 Jaw	10	2	15	11 1/2	13 3/8	3/4 x 23 3/8	3/8	1

Made in U.S.A.



87047

WILLIAMS®

COMBINATION 2/3 JAW HYDRAULIC PULLERS

Product Code	Description	Capacity (Tons)	Number of Jaws	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87049	20 Ton, 2/3 Jaw	20	2/3	9 1/2	NR	13	1 1/8 x 20 1/2	7/16	1 1/4
87050	20 Ton, 2/3 Jaw	20	2/3	14	NR	15	1 1/8 x 20 1/2	9/16	1 1/4
87052	20 Ton, 2/3 Jaw	20	2/3	19	NR	20	1 1/8 x 20 1/2	1 1/8	1 1/2
87054	50 Ton, 2 Jaw	50	2/3	28	NR	44	1 5/8 x 30	1 7/16	2

NR = Not Recommended, Designed as an outside puller only.

Made in U.S.A.

Features

- Ideal for the most rugged industrial applications.
- Hydraulic power increases versatility of the puller.
- Reduces effort and increases pulling safety.



87050



87054

⚠WARNING


87032

WILLIAMS

TIGHT-GRIP STUD REMOVER / INSTALLER SET

Remove and Install Coarse and Fine Thread Studs from 1/4" through 5/8" Diameter

Product Code	Description
87032	15 Piece Stud Remover / Installer Set

Contents Include:

Product Code	Description	Stud Size (Inches)
87035	Stud Remover / Installer Housing	
87055	Collet 1/4-20	1/4 - 20
87056	Collet 1/4-28	1/4 - 28
87057	Collet 5/16-18	5/16 - 18
87058	Collet 5/16-24	5/16 - 24
87059	Collet 3/8-16	3/8 - 16
87060	Collet 3/8-24	3/8 - 24
87061	Collet 7/16-14	7/16- 14
87062	Collet 7/16-20	7/16 - 20
87063	Collet 1/2-13	1/2 - 13
87064	Collet 1/2-20	1/2 - 20
87065	Collet 9/16-12	9/16 - 12
87066	Collet 9/16-18	9/16 -18
87067	Collet 5/8-11	5/8 - 11
87068	Collet 5/8-18	5/8 - 18

Features

Made in U.S.A.

- Remove studs without damaging the threads.
- Collet is placed in housing and threaded over stud. Draw bolt is then used to clamp tool onto stud for secure removal or installation.
- Studs may be reused.
- Ideal for working in confined areas.
- Works even if only a few threads are exposed.


87025


87026


87027

WILLIAMS

TIGHT-GRIP PIPE NIPPLE REMOVER & INSTALLER KITS

Remove and Install Pipe Nipples Without Thread Damage

Product Code	Description
87025	Pipe Nipple Remover / Installer Kit for 1/8", 1/4", and 3/8" NPT Pipe Nipples

87025 Includes:

87035	Stud Remover / Installer Housing
87036	Collet, 1/8" NPT
87037	Collet, 1/4" NPT
87038	Collet, 3/8" NPT

Product Code	Description
87026	Pipe Nipple Remover / Installer Kit for 1/2" and 3/4" NPT Pipe Nipples

87026 Includes:

87039	Stud Remover / Installer Housing
87040	Collet, 1/2" NPT
87041	Collet, 3/4" NPT

Product Code	Description
87027	Pipe Nipple Remover / Installer Kit for 1" and 1 1/4" NPT Pipe Nipples

87027 Includes:

87042	Stud Remover / Installer Housing
87043	Collet, 1" NPT
87044	Collet, 1 1/4" NPT

Features

Made in U.S.A.

- Remove pipe nipples and other lengths of pipe without damaging pipe threads.
- Collet is placed in housing and threaded over pipe. Draw bolt is then used to clamp tool onto nipple for secure removal or installation.
- Nipples and other lengths of pipe may be reused.
- Essential when working with decorative brass, bronze, and stainless piping.
- Ideal for working in confined areas.

WILLIAMS®

INDIVIDUAL TIGHT-GRIP STUD REMOVER / INSTALLERS

Product Code	Description (Stud Size)	Size (Inches)	Uses Housing Number (Below)
87055	Collet 1/4-20	1/4 - 20	87035
87056	Collet 1/4-28	1/4 - 28	87035
87057	Collet 5/16-18	5/16 - 18	87035
87058	Collet 5/16-24	5-16 - 24	87035
87059	Collet 3/8-16	3/8 - 16	87035
87060	Collet 3/8-24	3/8 - 24	87035
87061	Collet 7/16-14	7/16- 14	87035
87062	Collet 7/16-20	7/16 - 20	87035
87063	Collet 1/2-13	1/2 - 13	87035
87064	Collet 1/2-20	1/2 - 20	87035
87065	Collet 9/16-12	9/16 - 12	87035
87066	Collet 9/16-18	9/16 -18	87035
87067	Collet 5/8-11	5/8 - 11	87035
87068	Collet 5/8-18	5/8 - 18	87035
87069	Collet 3/4-10	3/4 - 10	87039
87070	Collet 7/8-9	7/8 - 9	87039
87071	Collet 1-8	1 - 8	87039



87036

WILLIAMS®

INDIVIDUAL TIGHT-GRIP PIPE NIPPLE REMOVER / INSTALLERS

Product Code	Description (Stud Size)	Size (Inches)	Uses Housing Number (Below)
87036	Collet 1/8 NPT	1/8 NPT	87035
87037	Collet 1/4 NPT	1/4 NPT	87035
87038	Collet 3/8 NPT	3/8 NPT	87035
87040	Collet 1/2 NPT	1/2 NPT	87039
87041	Collet 3/4 NPT	3/4 NPT	87039
87043	Collet 1 NPT	1 NPT	87042
87044	Collet 1 1/4 NPT	1 1/4 NPT	87042



87035

WILLIAMS®

HOUSINGS

Product Code	Description
87035	Use with collets above for stud sizes 1/4" through 5/8" and pipe nipple sizes 1/8" through 3/8" NPT
87039	Use with collets above for stud sizes 3/4" through 1" and pipe nipple sizes 1/2" and 3/4" NPT
87042	Use with collets above for pipe nipple sizes 1" and 1 1/4" NPT

Features

- The most ingenious stud and pipe nipple pullers available. Unique two-piece system can be used to remove stubborn studs and nipples, as well as install new ones without damaging the threads. Tapered collets thread onto stud, even if only a few threads are exposed. Tightening the housing bolt draws the collet into the housing and clamps the collet onto the stud. Doesn't damage threads. Larger sizes are available as a special order.
- NOTE: Avoid bottoming or shouldering studs to avoid shearing or damaging stud or workpiece.



87035

⚠WARNING



87031

WILLIAMS

PULLING PLATE

Product Code	Description
87031	Pulling Plate

Features

- Ideal where there is no gripping surface for the puller alone.
- Plate is attached to item being pulled - with puller clamped behind the plate.
- Plate allows pulling action where space does not allow for puller accessories.
- Includes 4 each of the following screws: 1/4 - 20 x 3/4" and 1/4 - 28 x 1".
- Plate diameter is 3 5/8".



CG10F

WILLIAMS

CROSSBAR

Product Code	Description
CG10F	Crossbar for 6 - 7 1/2 ton slide hammer puller screws

Features

- Ideal for turning the slide hammer screws.
- Fits 87017 Slide Hammer set.



87030 87029 87028

WILLIAMS

REPLACEMENT PRESSURE SCREW POINTS

Product Code	Description
87028	Screw point for 6 and 7 1/2 ton pullers
87029	Screw point for 10 and 12 1/2 ton pullers
87030	Screw point for 20 ton pullers

Features

- Match screw point to puller capacity.

WILLIAMS

PULLER REPLACEMENT PARTS

2 Ton & 2-1/2 Ton Puller Group

Product Code	Product Description	Capacity (Tons)	2-Jaw Yoke	3-Jaw Yoke	Std. Pres. Screw	Slide Screw	Slide Hammer	2-Jaw Lock Plate	3-Jaw Lock Plate	Spring	Adjusting Nut	Standard Jaw	Long Jaw
87001	2 TON, 2 JAW PULLER	2	CG240-2		CG240-1	CG240-8	CG240-9	CG240-5		CG240-6	CG240-7	CG240-3	
87002	2 TON, 2 JAW PULLER	2	CG240-2		CG240-11	CG240-8	CG240-9	CG240-5		CG240-6	CG240-7		CG240-10
87003	2 1/2 TON, 3 JAW PULLER	2 1/2		CG243-2	CG240-1	CG240-8	CG240-9		CG243-5	CG240-6	CG240-7	CG240-3	
87004	2 1/2 TON, 3 JAW PULLER	2 1/2		CG243-2	CG240-11	CG240-8	CG240-9		CG243-5	CG240-6	CG240-7		CG240-10

6 Ton & 7-1/2 Ton Puller Group

Product Code	Product Description	Capacity (Tons)	2-Jaw Yoke	3-Jaw Yoke	Std. Pres. Screw	Slide Screw	Slide Hammer	2-Jaw Lock Plate	3-Jaw Lock Plate	Spring	Adjusting Nut	Standard Jaw	Long Jaw
87005	6 TON, 2 JAW PULLER	6	CG250-2		CG250-1A	CG250-8A	CG250-9	CG250-5		CG250-6	CG250-7	CG250-3	
87006	6 TON, 3 JAW PULLER	6		CG253-2	CG250-1A	CG250-8A	CG250-9		CG250-5	CG250-6	CG250-7		CG250-10
87007	7 1/2 TON, 3 JAW PULLER	7 1/2		CG253-2	CG250-1A	CG250-8A	CG250-9		CG250-5	CG250-6	CG250-7	CG250-3	

10 Ton & 12-1/2 Ton Puller Group

Product Code	Product Description	Capacity (Tons)	2-Jaw Yoke	3-Jaw Yoke	Std. Pres. Screw	Slide Screw	Slide Hammer	2-Jaw Lock Plate	3-Jaw Lock Plate	Spring	Adjusting Nut	Standard Jaw	Long Jaw	Extension Piece - 8 1/4"	Special Jaw
87008	10 TON, 2 JAW PULLER	10	CG270-2		CG270-1A	CG270-8A	CG66-2	CG270-5		CG270-6	CG270-7	CG270-3			
87009	10 TON, 2 JAW PULLER	10	CG270-2		CG270-11A	CG270-8A	CG66-2	CG270-5		CG270-6	CG270-7		CG270-10	CG270-13	
87012	10 TON, 2 JAW PULLER	10	CG270-2		CG270-11A	CG270-8A	CG66-2	CG270-5		CG270-6	CG270-7		CG270-12	CG270-13	
87010	12 1/2 TON, 3 JAW PULLER	12 1/2		CG273-2	CG270-11A	CG270-8A	CG66-2		CG273-5	CG270-6	CG270-7	CG270-3			CG270-35
87011	12 1/2 TON, 3 JAW PULLER	12 1/2		CG273-2	CG270-11A	CG270-8A	CG66-2		CG273-5	CG270-6	CG270-7		CG270-10	CG270-13	CG270-35
87013	12 1/2 TON, 3 JAW PULLER	12 1/2		CG273-2	CG270-11A	CG270-8A	CG66-2		CG273-5	CG270-6	CG270-7		CG270-12	CG270-13	CG270-35

20 Ton Puller Group

Product Code	Product Description	Capacity (Tons)	2-Jaw Yoke	3-Jaw Yoke	Std. Pres. Screw	Slide Screw	Slide Hammer	2-Jaw Lock Plate	3-Jaw Lock Plate	Spring	Adjusting Nut	Standard Jaw	Long Jaw	Plug
87014	20 TON, 2 JAW PULLER	20	CG300-2		CG300-1			CG300-5		CG300-6	CG300-7	CG300-3		
87015	20 TON, 2 JAW PULLER	20	CG300-2		CG305-8			CG300-5		CG300-6	CG300-7		CG305-9	
87045	20 TON, 2/3 JAW PULLER	20	CG400-2	CG400-2	CG300-1			CG400-5	CG400-5	CG400-6	CG400-7	CG300-3		CG343-1

WILLIAMS®

SINGLE ACTING CYLINDERS

- 39 models
- Internal plunger threads
- Snap in grooved saddles
- Rod wiper seals out dirt and contamination
- Collar fixture threads
- Two base mounting holes on most models
- High strength steel construction from gun drilled solid bar
- High flow 3/8" NPTF couplers
- Collar thread protector
- One piece high grade alloy bearing for side load protection and long life
- Polyurethane cup seal provides optimum performance
- Industrial hard chrome plated ram helps prevent rust and corrosion
- Solid steel cylinder body
- Heavy duty return spring provides quicker retraction
- Ideal for lifting and pressing
- Maximum working pressure: 10,000 psi / 700 bar



6C05T05



6C05T07

CYLINDER DIMENSIONS

Cylinder Capacity (tons)	Stroke (in)	Product Code	Cylinder Effective Area (in^2)	Pressure at Capacity (psi)	Oil Capacity (in^3)	Collapsed Height A (in)	Extended Height B (in)	Cylinder Bore Dia. C (in)	Outside Dia. D (in)	Plunger Dia. E (in)	
5	0.63	6C05T00	1.10	9,090	0.69	1.61	2.24	1.18	2.36 x 1.58	0.98	
	1.00	6C05T01	1.00	10,000	1.00	4.58	5.58	1.13	1.50	1.00	
	3.07	6C05T03			3.07	6.65	9.72				
	5.08	6C05T05			5.08	8.70	59.50				
	7.09	6C05T07			7.09	10.71	17.80				
	9.09	6C05T09			9.09	12.72	21.81				
10	1.00	6C10T01	2.24	8,930	2.24	3.62	4.62	1.69	2.26	1.49	
	2.01	6C10T02			4.50	4.84	6.85	1.69	2.26	1.49	
	4.02	6C10T04			9.00	6.85	10.87				
	5.94	6C10T06			13.31	9.84	15.78				
	7.95	6C10T08			17.81	11.85	19.80				
	9.96	6C10T10			22.31	13.86	23.82				
	11.97	6C10T12			26.81	15.87	27.84				
	14.02	6C10T14			31.40	17.72	31.74				

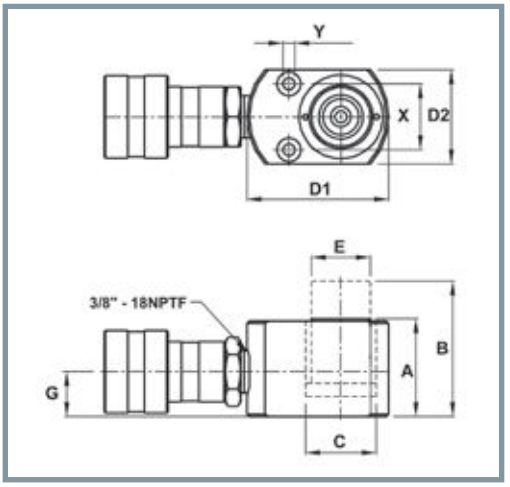
⚠WARNING



6C10T02



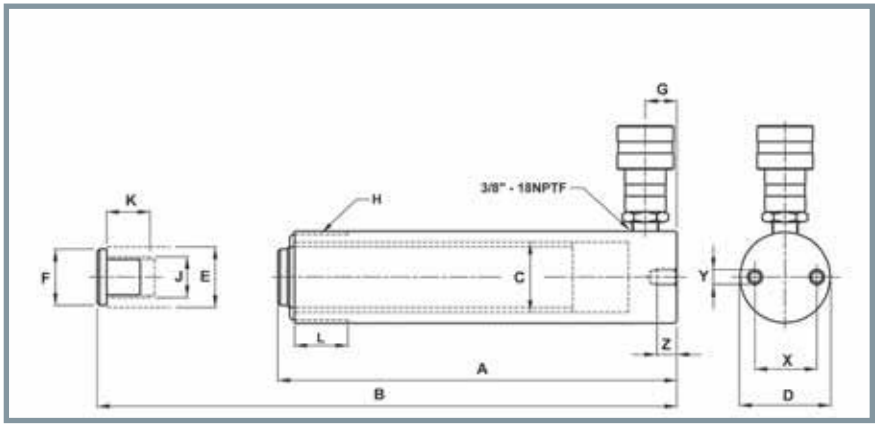
6C10T06



	Saddle Dia.	Base to Inlet Port	Collar Thread	Collar Thread Length	Plunger Internal Thread	Plunger Thread Length	Base Mounting Hole			Product Code
							Bolt Circle	Thread	Thread Depth	
	F (in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	
	N/A	0.75	N/A	N/A	N/A	N/A	1.10	0.2	N/A	6C05T00
	0.98	0.79	1 ½ -16	1.10	¾"-16UNF	0.63	1.00	¼" - 20UNC	0.55	6C05T01
										6C05T03
										6C05T05
										6C05T07
										6C05T09
	N/A	0.77	2 ¼ -14	1.30	#10-24UNC	0.24	1.56	5⁄16" - 18UNC	0.55	6C10T01
	1.38	0.77	2 ¼ -14	1.30	1"-8UNC	0.79	1.56	5⁄16"-18UNC	0.55	6C10T02
										6C10T04
										6C10T06
										6C10T08
										6C10T10
										6C10T12
										6C10T14

WILLIAMS

SINGLE ACTING CYLINDERS





6C30T08

CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Capacity (in^3)	Collapsed Height	Extended Height	Cylinder Bore Dia.	Outside Dia.	Plunger Dia.	Saddle Dia.	
						A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	
(tons)	(in)		(in^2)	(psi)								
15	0.99	6C15T01	3.14	9,550	3.11	4.88	5.87	2.00	2.75	1.63	1.50	
	2.01	6C15T02			6.31	5.87	7.88					
	3.98	6C15T04			12.50	7.87	11.85					
	5.87	6C15T06			18.43	10.67	16.54					
	7.87	6C15T08			24.71	12.68	20.55					
	9.88	6C15T10			31.02	14.69	24.57					
	12.01	6C15T12			37.71	16.65	28.66					
	14.02	6C15T14			44.02	18.66	32.68					
25	1.02	6C25T01	5.14	9,730	5.24	5.84	6.86	2.56	3.35	2.24	1.97	
	2.01	6C25T02			10.33	6.82	8.83					
	3.94	6C25T04			20.25	8.78	12.72					
	5.94	6C25T06			30.53	10.79	16.73					
	7.95	6C25T08			40.86	12.80	20.75					
	9.96	6C25T10			51.19	14.80	24.76					
	12.24	6C25T12			62.91	16.73	28.97					
	14.25	6C25T14			73.25	18.74	32.99					
30	8.27	6C30T08	6.49	9,240	53.67	15.24	23.51	2.87	4.00	2.24	2.13	
55	2.01	6C55T02	10.99	10,000	22.09	6.93	8.94	3.74	5.00	3.15	2.76	
	3.98	6C55T04			43.74	8.94	12.92					
	6.22	6C55T06			68.36	11.14	17.36					
	13.27	6C55T13			145.84	18.15	31.42					
75	6.14	6C75T06	16.10	9,320	98.85	11.22	17.36	4.53	5.79	3.74	2.76	
	13.11	6C75T13			211.07	19.37	32.48					
100	6.61	6C100T06	20.57	9,720	135.97	14.06	20.67	5.12	6.97	4.13	2.76	
	10.24	6C100T10			210.64	17.68	27.92					

⚠WARNING



6C15T06



6C25T10



6C55T06

	Base to Inlet Port	Collar Thread	Collar Thread Length	Plunger Internal Thread	Plunger Thread Length	Base Mounting Hole			Product Code
						Bolt Circle	Thread	Thread Depth	
	G (in)	H (in)	L (in)	J (in)	K (in)	X (in)	Y (in)	Z (in)	
	0.98	2 ¾ -16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51	6C15T01 6C15T02 6C15T04 6C15T06 6C15T08 6C15T10 6C15T12 6C15T14
	0.98	3 5/16 -12	1.93	1 ½ -16	1.18	2.31	½"-13UNC	0.75	6C25T01 6C25T02 6C25T04 6C25T06 6C25T08 6C25T10 6C25T12 6C25T14
	1.97	3 5/16 -12	1.93	1 ½ -16	1.18	N/A			6C30T08
	1.22	5 - 12	2.17	N/A		3.75	½"-13UNC	0.75	6C55T02 6C55T04 6C55T06 6C55T13
	1.18	5 ¾ - 12	1.73	N/A					6C75T06 6C75T13
	1.57	6 ⅛ - 12	1.73	N/A		5.50	¾"-10UNC	1	6C100T06 6C100T10

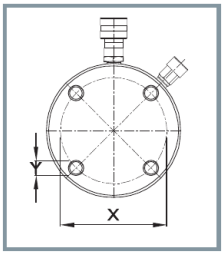


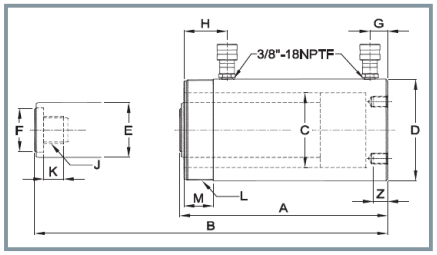
6C100T06

WILLIAMS®

DOUBLE ACTING CYLINDERS

- Rod wiper seals out dirt and contamination
- High strength steel construction from gun drilled solid bar
- High flow 3/8" NPTF couplers
- One piece high grade alloy bearing for side load protection and long life
- Ideal for pushing and pulling
- Maximum working pressure: 10,000 psi / 700 bar






6CD55T13

DOUBLE ACTING CYLINDER SPECIFICATIONS

Cylinder Capacity	Stroke	Product Code	Maximum Cylinder Capacity		Cylinder Effective Area		Oil Capacity		Collapsed Height	Extended Height	Cylinder Bore Dia.	Outside Dia.
(tons)	(in)		Push (ton)	Pull (ton)	Push (in²)	Pull (in²)	Push (in³)	Pull (in)	A (in)	B (in)	C (in)	D (in)
10	10.04	6CD10T10	11.4	3.8	2.23	0.74	22.41	7.47	16.14	26.18	1.69	2.87
	11.97	6CD10T12					26.71	8.90	18.03	30.00		
30	8.15	6CD30T08	32.9	16.2	6.49	3.19	52.93	26.02	15.31	23.46	2.87	3.98
	14.49	6CD30T15					94.09	46.26	21.65	36.14		
55	6.18	6CD55T06	55.7	16.2	10.99	3.19	67.93	19.74	13.03	19.21	3.74	5.00
	13.19	6CD55T13					144.94	42.11	20.04	33.23		
	20.12	6CD55T20					221.09	64.24	28.86	49.98		
75	6.10	6CD75T06	81.7	25.9	16.09	5.12	98.1	31.21	13.70	19.80	4.53	5.75
	13.11	6CD75T13					210.93	67.06	20.71	33.82		
100	6.57	6CD100T06	104.4	48.6	20.57	9.58	135.23	62.98	14.06	20.63	5.12	6.97
	13.11	6CD100T13					269.66	125.58	20.63	33.74		
	18.15	6CD100T18					373.31	173.86	27.05	45.20		

DOUBLE ACTING CYLINDER DIMENSIONS

Product Code	Plunger Dia.	Saddle Dia.	Base to Adv. Port	Top to Return Port	Plunger Internal Thread	Plunger Thread Length	Collar Thread	Collar Thread Length	Base Mounting Hole			Weight (lbs)
									Bolt Circle	Thread	Thread Depth	
	E (in)	F (in)	G (in)	H (in)	J (in)	K (in)	L (in)	M (in)	X (in)	Y (in)	Z (in)	
6CD10T10	1.37	1.38	1.42	2.09	1 - 8	0.98	2¼ - 14	1.02	N/A			26.7
6CD10T12												30.0
6CD30T08	2.13	1.97	1.65	2.91	1½ - 16	0.98	3 5/16 - 12	1.93	N/A			43.0
6CD30T15												60.6
6CD55T06	3.14	2.76	1.14	2.87	1 - 12	0.98	5 - 12	1.73	N/A			70.5
6CD55T13												104.0
6CD55T20			2.48									146.2
6CD75T06	3.75	2.76	1.18	2.80	1 - 12	1.50	5¾ - 12	1.50	N/A			93.7
6CD75T13												136.8
6CD100T06	3.75	2.95	1.22	2.95	1¾ - 12	1.38	6 ⅞ - 12	1.97	5.47	¾ - 10	0.98	138.6
6CD100T13												193.6
6CD100T18			1.50									248.3

⚠WARNING



6CN55T12

WILLIAMS®

LOCK NUT CYLINDERS

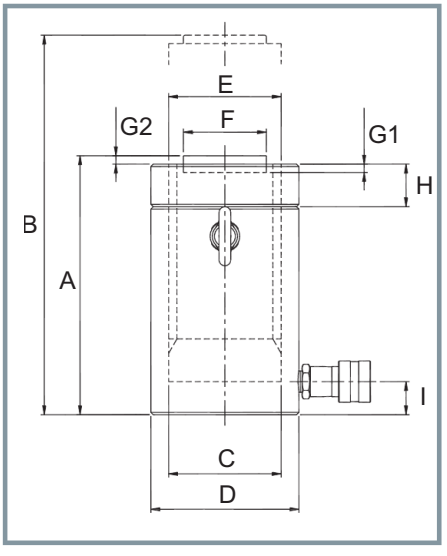
- Single acting cylinder with mechanical safety lock nut
- Designed to support load for extended periods without hydraulic pressure.
- Overflow port prevents cylinders from over travel
- Load return
- Solid steel cylinder body
- Ideal for lifting and holding loads
- Maximum working pressure: 10,000 psi / 700 bar

LOCK NUT CYLINDERS SPECIFICATIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extended Height	Cylinder Bore Diameter	Outside Diameter	Plunger Outside Thread
(tons)	(in)		(in^2)	(in^3)	A (in)	B (in)	C (in)	D (in)	E
55	1.97	6CN55T02	10.99	21.65	6.5	8.4	3.7	4.9	Tw95-6N
	3.94	6CN55T04		43.27	8.4	12.4			
	5.91	6CN55T06		64.90	10.4	16.3			
	7.87	6CN55T08		86.54	12.4	20.2			
	9.84	6CN55T10		108.17	14.3	24.2			
	11.81	6CN55T12		129.80	16.3	28.1			
100	1.97	6CN100T02	20.57	40.49	7.4	9.3	5.1	6.5	Tw130-4N
	3.94	6CN100T04		80.98	9.3	13.3			
	5.91	6CN100T06		121.48	11.3	17.2			
	7.87	6CD100T08		161.97	13.3	21.1			
	9.84	6CN100T10		202.46	15.2	25.1			
	11.81	6CN100T12		242.95	17.2	29.0			

LOCK NUT CYLINDERS DIMENSIONS

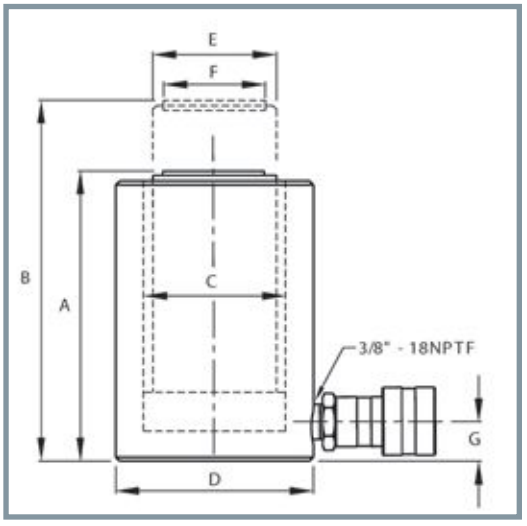
Product Code	Saddle Diameter	Depth of Plunger Hole	Saddle Protrusion from Plunger	Lock Nut Length	Base to Inlet Port	Weight (lbs)
	F (in)	G1 (in)	G2 (in)	H (in)	I (in)	
6CN55T02	2.8	0.08	0.51	1.4	1.1	34.0
6CN55T04						44.5
6CN55T06						55.1
6CN55T08						65.9
6CN55T10						76.5
6CN55T12						87.1
6CN100T02				1.8		67.2
6CN100T04						85.8
6CN100T06						104.3
6CD100T08						122.6
6CN100T10						141.1
6CN100T12						159.6



WILLIAMS®

ALUMINUM CYLINDERS

- Lightweight aluminum alloy construction
- Up to 60 percent lighter than comparable tonnage steel rams
- Convenient carry handle
- Hard anodized aluminum piston rod provides extra protection against corrosion and wear
- Maximum working pressure: 10,000 psi / 700 bar





6CA30T06

ALUMINUM CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Internal Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Cylinder Bore Dia.	Outside Dia.	Plunger Dia.	Saddle Dia.	Base to Inlet Port	Weight
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	(lbs)
30	2.00	6CA30T02	6.50	9,231	13.00	6.50	8.50	2.90	4.50	2.50	2.00	1.5	11.0
	4.00	6CA30T04			26.00	8.50	12.50						14.0
	6.00	6CA30T06			39.00	10.50	16.50						17.0
50	2.00	6CA50T02	11.00	9,091	22.00	6.50	8.50	3.70	5.50	3.10	2.50		17.0
	4.00	6CA50T04			44.00	8.50	12.50						21.0
	6.00	6CA50T06			66.00	10.50	16.50						25.0
	10.00	6CA50T10			110.00	14.50	24.50						34.0
75	4.00	6CA75T04	15.00	10,000	60.00	8.50	12.50	4.40	6.50	3.90	3.00		29.0
	6.00	6CA75T06			90.00	10.50	16.50						35.0
100	2.00	6CA100T02	20.70	9,662	41.40	6.50	8.50	5.10	8.00	4.30	3.50		36.0
	4.00	6CA100T04			82.80	8.50	12.50						43.0
	6.00	6CA100T06			124.40	10.50	16.50						51.0
	10.00	6CA100T10			207.0	14.50	24.50						68.0

⚠WARNING



6CF05T03

WILLIAMS

FLAT BODY CYLINDERS

- Made of high quality steel
- Extremely low collapsed height for applications with minimal clearance at the lift point
- Great for areas of low clearance
- Maximum working pressure 10,000 psi / 700 bar



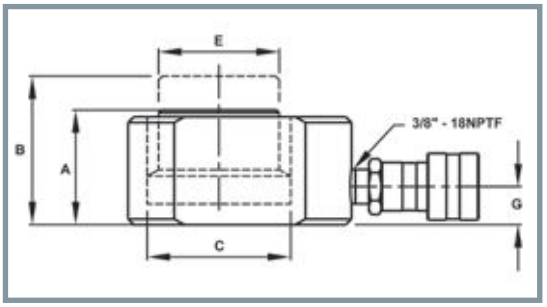
6CF10T05

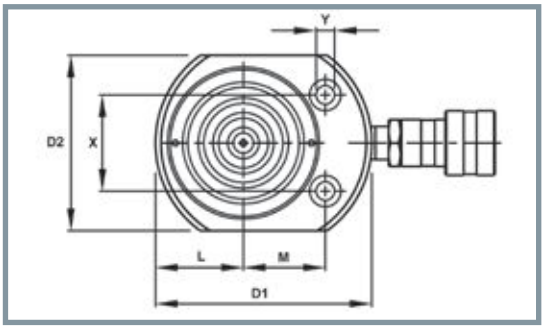


6CF10T05



6CF20T05





FLAT BODY CYLINDER DIMENSIONS

Product Code	Cylinder Mounting Hole Dimensions (in)			
	Hole Pitch	Hole Dia	Counter Bore Dia.	Counter Bore Depth
	X (in)	Y (in)	(in)	(in)
6CF05T03	1.12	0.2	0.31	0.17
6CF10T05	1.44	0.28	0.42	0.31
6CF20T05	1.94	0.4	0.59	0.39
6CF30T05	2.06	0.4	0.62	0.44
6CF50T05	2.62	0.43	0.75	0.50

FLAT BODY CYLINDER DIMENSIONS

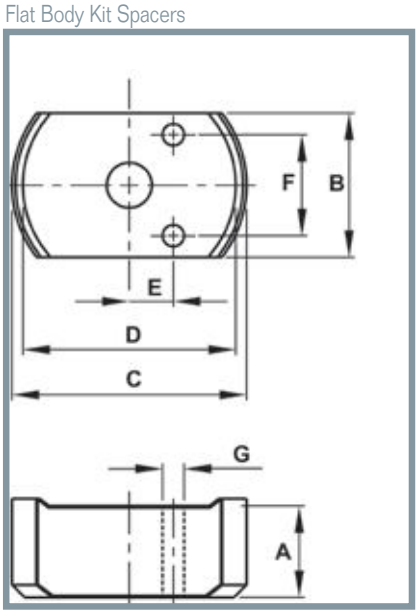
Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Outside Dim. D1 x D2	Cylinder Bore Dia.	Plunger Dia.	Base to Port	Plunger to Base	Plunger to Mtg. Hole
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	(in)	C (in)	E (in)	G (in)	L (in)	M (in)
5	0.24	6CF05T03	1.10	9,090	0.26	1.26	1.5	2.4 x 1.6	1.18	0.98	0.69	0.80	0.87
10	0.43	6CF10T05	2.36	8,470	1.01	1.69	2.12	3.3 x 2.2	1.73	1.50	0.77	1.12	1.32
20	0.43	6CF20T05	4.38	9,130	1.88	2.01	2.44	4.0 x 3.0	2.36	2.00	0.75	1.54	1.56
30	0.51	6CF30T05	6.49	9,240	3.31	2.31	2.82	4.6 x 3.8	2.87	2.50	0.79	1.88	1.75
50	.63	6CF50T05	9.86	10,140	6.21	2.64	3.27	4.5 x 4.5	3.54	2.76	0.79	2.25	2.13

WILLIAMS®

FLAT BODY CYLINDER KITS

- Various height magnetic adapters
- Perfect for low clearance areas needing a cylinder height boost
- Maximum working pressure: 10,000 psi / 700 bar
- Kits include magnetic adapters and carrying case

Flat Body Kit Spacers



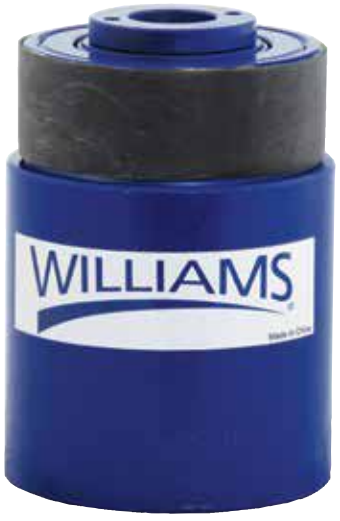


6CF05T03TB

FLAT BODY CYLINDER KIT DIMENSIONS

Cylinder Capacity (tons)	Stroke (in)	Product Code	Cylinder Model	Oil Capacity (in^3)	Collapsed Height (in)	Includes Adapter	Adapter Dimensions (in) A	B	C	D	E	F	G
5	0.24	6CF05T03TB	6CF05T03	0.26	1.26	I	0.25	1.61	2.56	2.32	0.48	1.10	0.24
						II	0.5						
						III	1						
						IV	1.25						
10	0.43	6CF10T05TB	6CF10T05	1.02	1.69	I	0.39	2.20	3.54	3.23	0.81	1.46	0.28
						II	0.79				N/A		
						III	1.57						
20	0.43	6CF20T05TB	6CF20T05	1.90	2.01	I	0.39	2.99	4.25	3.94	1.08	1.93	0.39
						II	0.79				N/A		
						III	1.57						
30	0.51	6CF30T05TB	6CF30T05	3.32	2.31	I	0.39	3.75	4.76	4.45	1.32	2.06	0.39
						II	0.79				N/A		
						III	1.57						

⚠WARNING

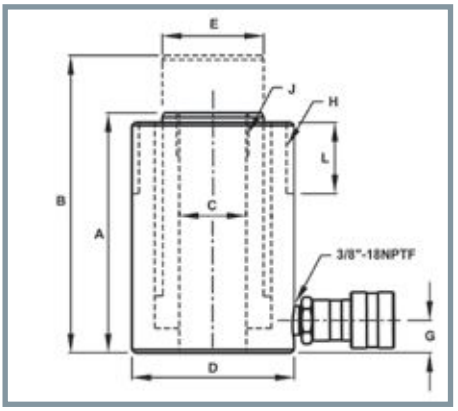


6CH30T06

WILLIAMS

HOLLOW HOLE CYLINDERS

- 6 standard models
- Ideal for some pulling and pushing applications
- Heavy duty compression spring
- Dual wipers help prevent contamination
- Collar thread protector
- High flow coupler with dust cap



HOLLOW HOLE CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Cap.	Min. Height	Max. Height	O.D.	Plunger			Internal Thread Length
									I.D.	O.D.	Internal Thread	
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	D (in)	C (in)	E (in)	J (in)	K (in)
12	3.00	6CH12T03	2.91	8,236	8.72	7.24	10.24	2.760	0.770	1.38	-	-
20	2.01	6CH20T02	4.90	8,167	9.83	6.38	8.39	3.92	1.063	2.15	1 5/16"-16UN	0.75
	6.06	6CH20T06			29.70	12.05	18.11					
30	2.52	6CH30T02	6.32	9,488	15.93	7.05	9.57	4.50	1.311	2.48	1 13/16"-16UN	0.87
	6.11	6CH30T06			38.67	13.02	19.13					
60	3.00	6CH60T03	13.05	9,195	39.10	9.77	12.77	6.252	2.126	3.66	2 3/4"-16UN	0.75
100	3.00	6CH100T03	22.13	9,036	66.31	10.00	13.00	8.386	3.110	4.92	4"-16UN	0.98

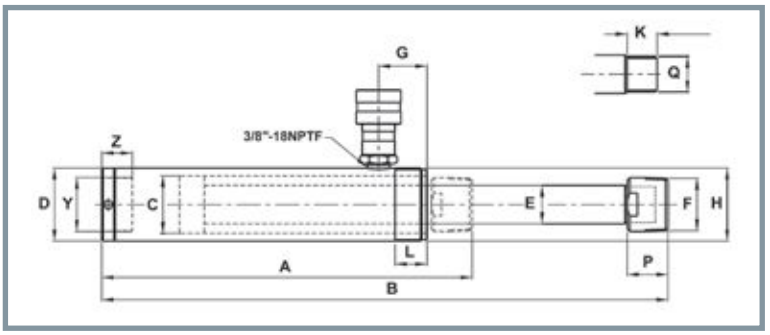
HOLLOW HOLE CYLINDER SPECIFICATIONS

Product Code	Collar Thread		Base to Inlet Port	Base Mounting Hole			Weights
	Dia.	Lgth.		Bolt Circle	Thread	Thread Depth	
	H (in)	L (in)	G (in)	X (in)	Y (in)	Z (in)	(lbs)
6CH12T03	2 3/4"-16	1.81	0.75	2.00	5/16"-18UNC	0.35	8.6
6CH20T02	3 1/8-12	1.50	0.75	3.25	3/8"-16UNC	0.37	15.9
6CH20T06							29.5
6CH30T02	4 1/2-12	1.75	0.81		3/8"-16UNC	0.55	22.9
6CH30T06							43.0
6CH60T03	6 1/4-12	2	1.00		1/2"-13UNC	0.55	65.7
							81.1
6CH100T03	6 3/8-12	2.38	1.06	7.01	5/8"-11UNC	0.75	113.3

WILLIAMS®

PULL CYLINDERS

- High strength steel construction
- One piece high grade alloy bearing for side load protection and longer life
- Polyurethane cup seal helps provide optimum performance
- External plunger threads
- Internal base threads
- Used for pulling and tensioning
- Maximum working pressure: 10,000 psi / 700 bar





6CPO2T05

PULL CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Outside Dia.	Cylinder Bore Dia.	Top to Inlet Port	Collar	
											Thread	Thread Length
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	D (in)	C (in)	G (in)	H (in)	L (in)
2.5	5.00	6CP02T05	0.56	8,930	2.78	10.55	15.55	1.89	1.13	1.65	1 ½"-16	0.98
5	5.55	6CP05T05	1.14	8,770	6.34	11.85	17.35	2.25	1.69	1.50	2 ¼"-14	1
10	5.95	6CP10T06	2.44	8,200	14.48	11.75	17.7	3.35	2.17	1.50	M85x2	1

Product Code	Adapter		Plunger			Base Mounting Hole	
	Thread	Length	Dia.	Thread Length	Thread	Thread	Depth
	F (in)	P (in)	E (in)	K (in)	Q (mm)	H	Z (in)
6CP02T05	¾"-14NPTF	1.13	0.75	0.76	M16x1.5	¾"-14NPTF	0.72
6CP05T05	1 ¼"-11.5NPTF	1.25	1.18	0.93	M28x1.5	1 ¼"-11.5NPTF	0.95
6CP10T06	-	-	1.26	1.02	M30x2	M30x2	0.98

⚠WARNING



6C10T06

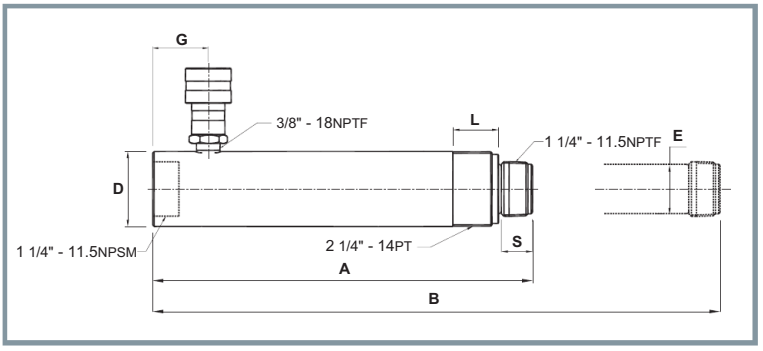


6C10T10

WILLIAMS®

THREADED HOLE CYLINDERS

- High quality threaded single acting cylinders
- Removable threaded plunger adapter allows for the use of a variety of threaded attachments
- Used to attach accessories to rod end and base
- Maximum working pressure: 10,000 psi / 700 bar



THREADED HOLE CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Outside Dia.	Plunger Dia.	Base to Inlet Port	Collar Thread Length	Saddle Height
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	D (in)	E (in)	G (in)	L (in)	S (in)
10	5.95	6CT10T06	2.24	8,930	13.33	11.46	17.41	2.26	1.49	1.67	1.13	0.94
10	9.96	6CT10T10			22.31	15.47	25.43					

WILLIAMS®

LOW PROFILE CYLINDERS

- Compact design for use in confined spaces
- Rod wiper helps seal out dirt and contamination
- Specially designed return spring ensures a quick retraction and extends the life of the spring
- Industrial hard chrome plated ram helps prevent scratching and corrosion
- Plunger end is grooved to reduce load slippage
- Includes high flow ball coupler and dust cap
- Coupler is tilted upward for added clearance
- Maximum working pressure: 10,000 psi/700 bar



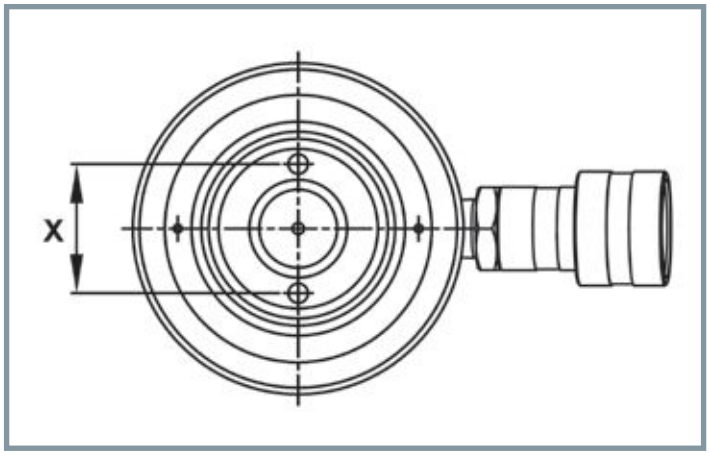
6CL20T02

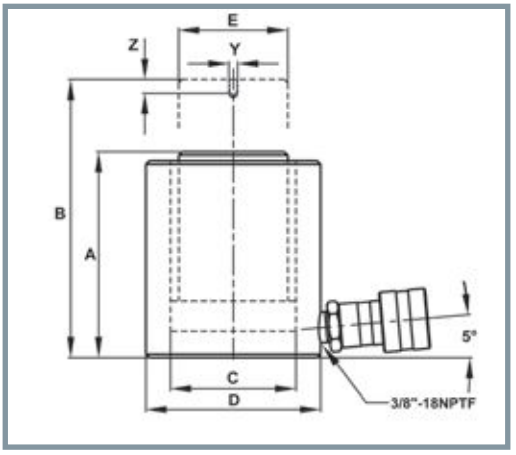


6CL30T02



6CL10T01





LOW PROFILE CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Internal Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia.	Plunger Mounting		
						A	B	D	C	E	Bolt Circle X	Thread Y	Thread Depth Z
(tons)	(in)		(in^2)	(psi)	(in^3)	(in)	(in)	(in)	(in)	(in)	(in)	(mm)	(in)
10	1.50	6CL10T01	2.35	8,511	3.53	3.48	4.98	2.75	1.73	1.50	1.03	M4	0.32
20	1.75	6CL20T02	4.37	9,153	7.65	3.90	5.65	3.63	2.36	2.00	1.56	M4	0.32
30	2.44	6CL30T02	6.49	9,245	15.84	4.61	7.05	4.00	2.87	2.50	1.56	M5	0.32
50	2.36	6CL50T02	9.87	10,132	23.29	4.8	7.17	3.54	4.88	2.76	1.56	M5	0.32

⚠WARNING

WILLIAMS®

HAND PUMPS

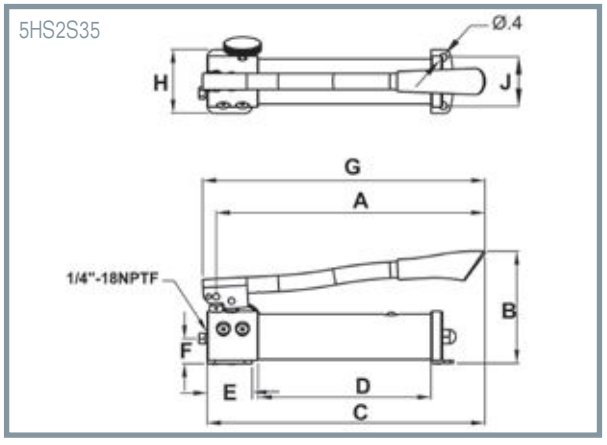
- 5HS2S35, 5HS2S100 and 5HS2S200 feature 2 speed operation
- Pressure relief valve for overload protection
- Load release valve for single acting cylinder usage
- Large oil capacities to power a wide range of cylinders and tools
- 5HS2S35 and 5HS2S100 are constructed of high strength lightweight aluminum alloy for easy handling and corrosion resistance
- All hand pumps function in horizontal positions and will also function in some vertical positions
- Maximum working pressure: 10,000 psi / 700 bar

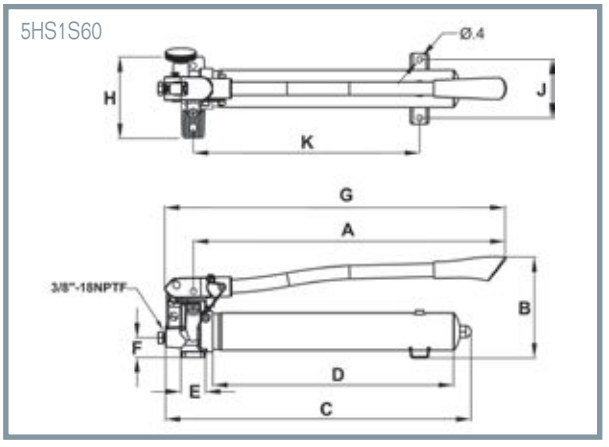


5HS1S60



5HS2S35





HAND PUMP SPECIFICATIONS

Used with Cylinder	Pump Type	Usable Oil Capacity	Product Code	Pressure Rating (psi)		Oil Displacement per Stroke (in³)		Max. Operating Force	Piston Stroke	Oil Outlet Port
		(in³)		1st Stage	2nd Stage	1st Stage	2nd Stage	(lbs)	(in)	
Single Acting	Single-speed	36.5	5HS1S60		10,000		0.15	109	0.79	3/8"-18NPTF
		67.0	5HS1S120				0.13	89	0.82	3/8"-18NPTF
	Two-speed	21.4	5HS2S35	200		0.18	0.05	88	0.38	¼"-18NPTF
		61.0	5HS2S100			0.81	0.14	132	0.82	3/8"-18NPTF
		128.0	5HS2S200							

WILLIAMS®

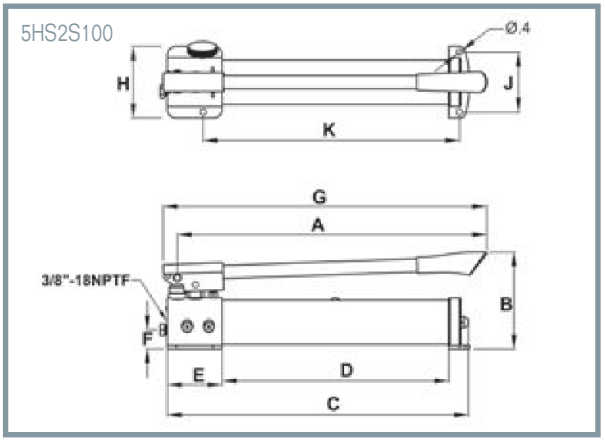
HAND PUMPS

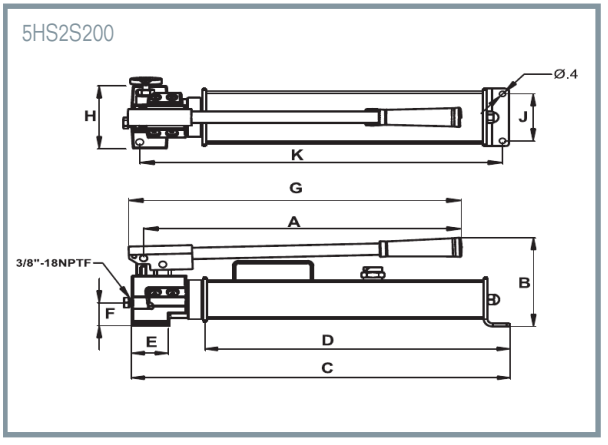


5HS2S100



5HS2S200





HAND PUMP DIMENSIONS

Product Code	Dimensions (in)									
	A	B	C	D	E	F	G	H	J	K
5HS1S60	18.94	6.46	19.53	15.35	1.57	1.26	20.79	5.20	3.74	14.45
5HS1S120	20.50	6.50	21.75	17.50	2.13	1.75	22.63	5.25	3.74	21.25
5HS2S35	13.43	5.91	13.89	9.09	2.36	1.34	14.13	3.35	2.56	-
5HS2S100	19.69	6.38	19.88	14.96	3.62	1.26	20.63	4.72	3.94	16.93
5HS2S200	19.75	6.64	23.69	18.37	2.36	1.73	20.71	4.72	3.54	22.56

⚠WARNING

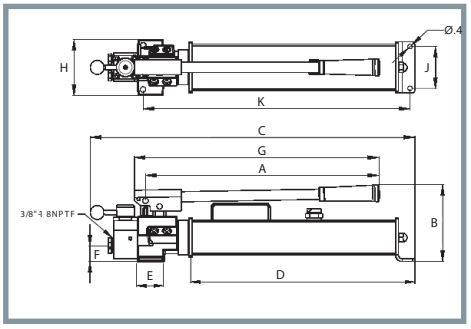


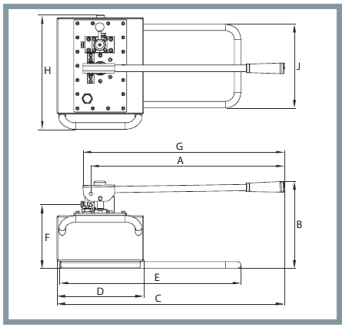
5HD2S500

WILLIAMS

DOUBLE ACTING HAND PUMPS

- A 4-way control valve for operation of double acting cylinders
- Large oil capacities to power a wide range of cylinders and tools
- Two speed operation increases productivity and reduces user fatigue





DOUBLE ACTING HAND PUMP SPECIFICATIONS

Used with Cylinder	Pump Type	Usable Oil Capacity	Product Code	Pressure Rating		Oil Displacement per Stroke		Max. Operating Force	Piston Stroke	Oil Outlet Port	Weight
				1st Stage (psi)	2nd Stage (psi)	1st Stage (in^3)	2nd Stage (in^3)	(lbs)	(in)		(lbs)
Double Acting	Two Speed	128.0	5HD2S100	200	10,000	0.81	0.14	132	0.82	3.8"-18NPTF	32.2
		476.0	5HD2S500	290		7.31	0.29	143	1.67		77.4

DOUBLE ACTING HAND PUMP DIMENSIONS

Product Code	Dimensions (in)									
	A	B	C	D	E	F	G	H	J	K
5HD2S100	19.75	6.64	23.69	18.37	2.36	1.73	20.71	4.72	3.54	22.56
5HD2S500	25.79	11.61	30.35	11.54	24.17	8.25	26.94	15.24	11.18	-

WILLIAMS®

AIR PUMPS

- High strength reinforced aluminum alloy reservoir is lightweight and corrosion resistant
- Pressure relief valve for overload protection
- Suggested air pressure range: 90-175 psi / 6-12 bar
- Designed to be used with single acting cylinders
- Dust cover protection for the release control valve
- Dual stage release control valve
- 5AS200 offers a turbo function that features high flow at high pressure condition
- 5AD150M offers a 4-way control valve for operation of double acting cylinders
- Maximum working pressure: 10,000 psi / 700 bar



5AD150M



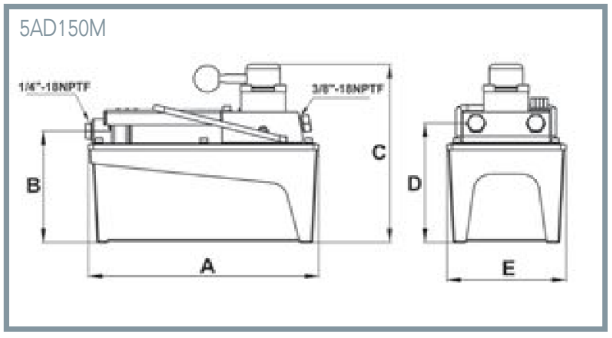
5AS150L

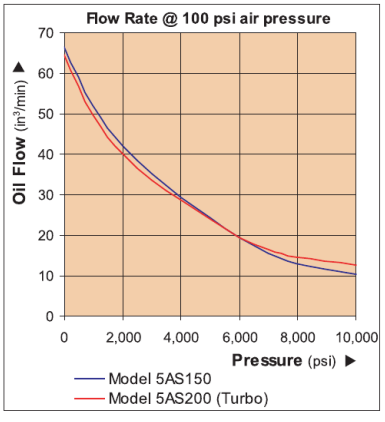


5AS200

AIR PUMP SPECIFICATIONS

Used with Cylinder	Usable Oil Capacity (in^3)	Product Code	Pressure Rating (psi)	Oil Output Flow Rate (in^3/min) No Load	Oil Output Flow Rate (in^3/min) Load	Input Air Pressure Range (psi)	Dimensions (in) A	B	C	D	E
Single Acting	36.6	5AS60	10,000	61	9	100-200	16.54	9.84	7.01	6.18	5.59
	91.5	5AS150		66	11		10.35	5.00	7.28	5.16	5.35
	122.1	5AS200		65	12		11.57	6.02	7.91	6.18	5.98
	231.9	5AS380		65	11		12.64	5.08	7.36	5.24	7.36
	91.5	5AS150L		61	10		10.98	6.30	8.03	5.12	5.35
	231.9	5AS380L		61	10		12.64	6.42	8.15	5.20	7.36
Double Acting	91.5	5AD150M	10,000	66	11	100-200	10.35	5.00	7.99	5.35	5.35





⚠WARNING



5AS60

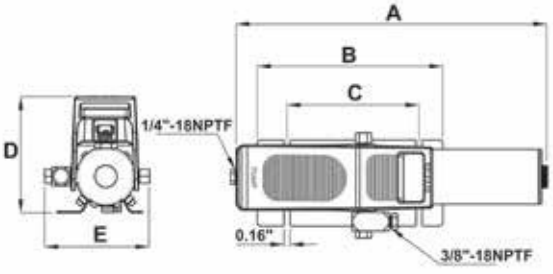


5AS150

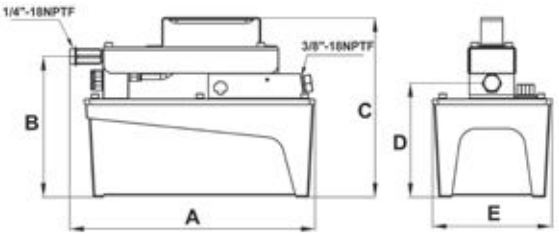


5AS380L

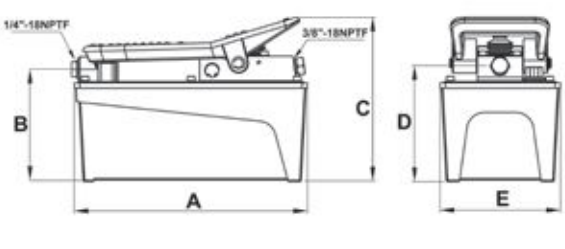
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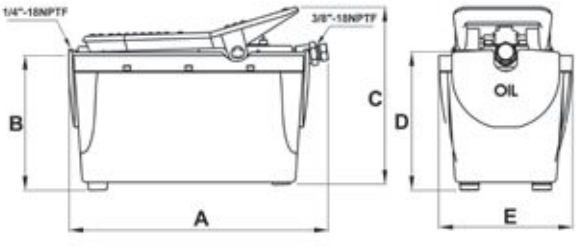
5AS150L & 5AS380L



5AS150 & 5AS380



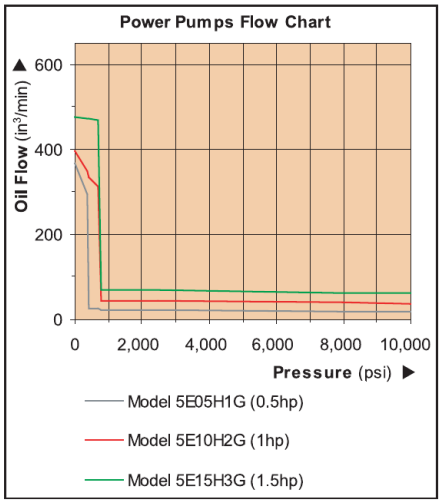
5AS200



WILLIAMS®

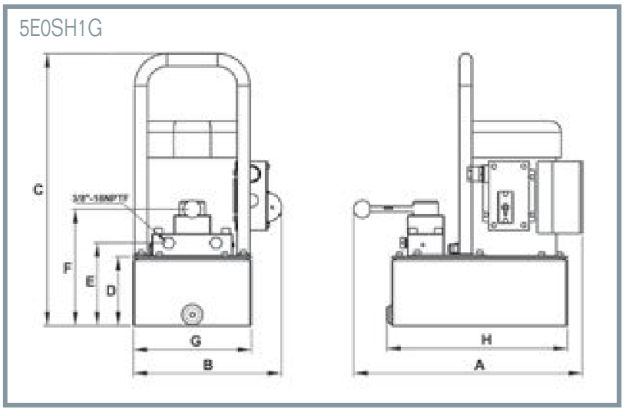
ELECTRIC PUMPS

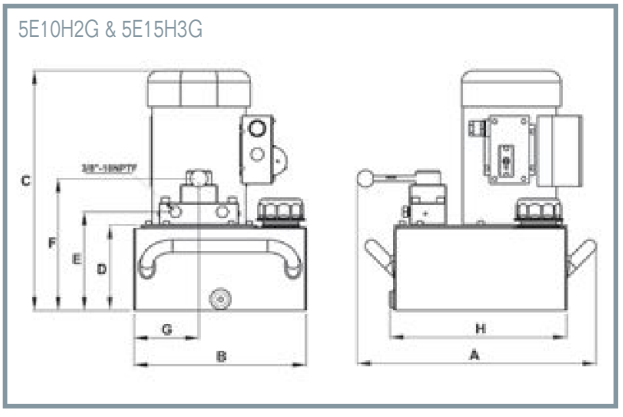
- Quiet operation meets OSHA regulations (80dBA)
- 2 speed operation allows for faster cylinder advance
- Full load starting capacities
- Internal filter keeps contamination from damaging pump
- Rugged durable design meets the demands of industrial applications
- Precision components to minimize wear and improve overall dependability
- Designed to minimize the number of moving parts and maximize overall pump efficiency
- Ideal for on site construction as well as maintenance





5E10H2GR





⚠WARNING



5E05H1G



5E10H2G

ELECTRIC PUMP DIMENSIONS

Product Code	Dimensions (in)							
	A	B	C	D	E	F	G	H
5E05H1G	15.43	10.28	19.09	4.72	5.67	7.99	8.07	12.36
5E10H2G	16.65	12.01	17.83	5.94	6.89	9.21	4.53	12.36
5E15H3G	16.65	12.01	19.72	7.24	8.19	10.51	4.53	12.36

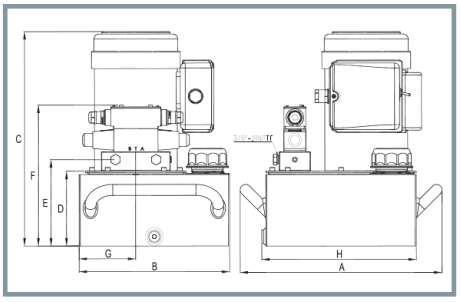
ELECTRIC PUMP SPECIFICATIONS

Motor Size	Usable Oil Capacity	Product Code	Product Code with Remote Control Pendant Switch	Max. Output Pressure	Oil Output Flow Rate		Valve Type	Valve Function	Current Draw	Motor Voltage	Sound Level
					1st Stage	2nd Stage					
(hp)	(gal)			(psi)	(in^3)				(amps)	(volts)	(dBA)
0.5	1.0	5E05H1G	5E05H1GR	10,000	293	18	4-way, 3-pos.	Advance Hold Return	8	115	80
1.0	2.0	5E10H2G	5E10H2GR		311	37			15		
1.5	3.0	5E15H3G	5E15H3GR		470	61			17		

WILLIAMS®

ELECTRIC PUMPS WITH SOLENOID VALVE

- Quiet operation meets OSHA regulations (80dBA)
- Ideal for applications where a remote control is required
- 2 speed operations allows for faster cylinder advance
- Full load starting capabilities
- Internal filter keeps contamination from damaging pump
- 10 foot hand held remote controls the solenoid valve





ELECTRIC PUMP WITH SOLENOID VALVE SPECIFICATIONS

Used with Cylinder	Motor Size (hp)	Usable Oil Capacity (gal)	Product Code	Pressure Rating 1st Stage (psi)	Pressure Rating 2nd Stage (psi)	Oil Output Flow Rate 1st Stage (in³/min)	Oil Output Flow Rate 2nd Stage (in³/min)	Valve Type	Valve Function	Current Draw (amps)	Motor Voltage (volts)	Weight (lbs)
Single Acting	0.5	1	5ES05H1G	350	10,000	293	18	3-way, 3-position	Advance/ Hold/ Return	9	115	61.5
		2	5ES05H2G									65.3
	1	2	5ES10H2G	700		311	37			12		72.6
	1.5	3	5ES15H3G			470	61			17		90.4
		5	5ES15H5G									98
Double Acting	0.5	1	5ES05H1GR	350		293	18	4-way, 3-position		9		61.5
		2	5ES05H2GR									65.3
	1	2	5ES10H2GR	700		311	37			12		72.6
	1.5	3	5ES15H3GR			470	61			17		72.6
		5	5ES15H5GR									98

ELECTRIC PUMP WITH SOLENOID VALVE DIMENSIONS

Product Code	Dimensions (in)							
	A	B	C	D	E	F	G	H
5ES05H1G	12.74	10.26	19.10	4.72	5.65	10.00	8.07	12.32
5ES05H2G	12.74	10.26	19.10	4.72	5.65	10.00	8.07	12.32
5ES10H2G	17.88	12.01	17.88	5.98	6.90	11.26	4.51	12.32
5ES15H3G	17.88	12.01	17.88	5.98	6.90	11.26	4.51	12.32
5ES15H5G	16.10	12.01	17.13	5.98	6.90	11.26	4.51	12.32
5ES05H1GR	16.10	12.01	17.13	5.98	6.90	11.26	4.51	12.32
5ES05H2GR	16.10	12.01	19.78	7.28	8.20	12.56	4.51	12.32
5ES10H2GR	16.10	12.01	19.78	7.28	8.20	12.56	4.51	12.32
5ES15H3GR	16.10	12.01	24.78	12.28	13.20	17.56	4.51	12.32
5ES15H5GR	16.10	12.01	24.78	12.28	13.20	17.56	4.51	12.32



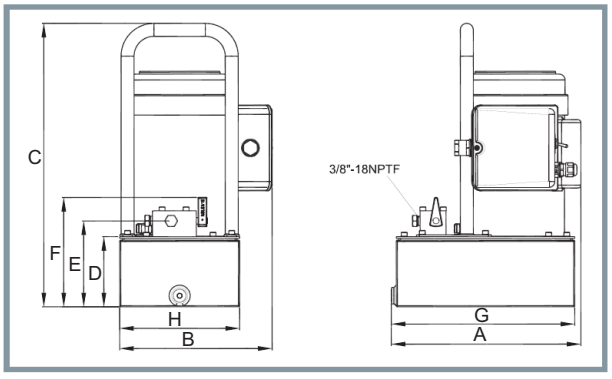


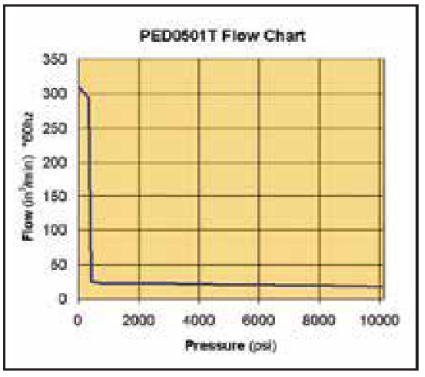
5EA05HIG

WILLIAMS

ELECTRIC PUMP WITH AUTO RETURN VALVE

- Quiet operation meets OSHA regulations (80dBA)
- Best suited for punching, crimping and cutting applications
- 2 speed operation allows for faster cylinder advance
- Full load starting capabilities
- Internal filter keeps contamination from damaging pump
- Rugged durable design meets the demands of industrial applications
- 10 ft. remote pendant switch to control motor on/off





ELECTRIC PUMP WITH AUTO RETURN VALVE SPECIFICATIONS

Motor Size	Usable Oil Capacity	Product Code	Pressure Rating		Oil Output Flow Rate		Valve Type	Valve Function	Current Draw	Motor Voltage	Sound Level	Weight
			1st Stage	2nd Stage	1st Stage	2nd Stage						
(hp)	(gal)		(psi)		(in^3/min)				(amps)	(volts)	(dBA)	(lbs)
0.5	1.0	5EA05HIG	350	10,000	233	18	2-way, 2-position	*Advance/ Return	9	115	80	66.2

*** Holds pressure in advance position when motor is off.**

ELECTRIC PUMP WITH AUTO RETURN VALVE DIMENSIONS

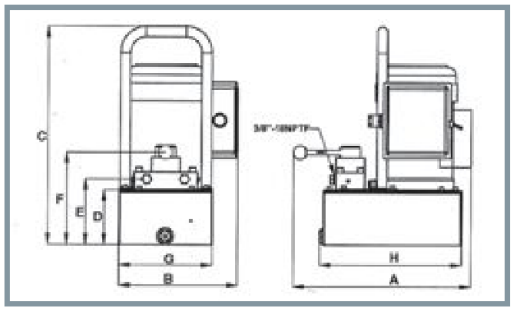
Product Code	Dimensions (in)						
	A	B	C	D	E	F	G
5EA05HIG	12.76	10.28	19.09	4.72	5.79	7.36	12.36

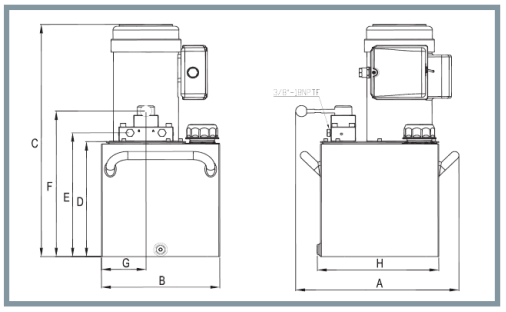
WILLIAMS®

ELECTRIC PUMPS WITH PENDANT SWITCH

- Quiet operation meets OSHA regulations (80dBA)
- 2 speed operation allows for faster cylinder advance
- Full load starting capacities
- Internal filter keeps contamination from damaging pump
- 10 foot hand held remote control allows user to control cylinder in up or down position







ELECTRIC PUMP WITH SOLENOID VALVE SPECIFICATIONS

Used with Cylinder	Motor Size	Usable Oil Capacity	Product Code	Pressure Rating		Oil Output Flow Rate		Valve Type	Valve Function	Current Draw	Motor Voltage	Weight
	(hp)	(gal)		1st Stage (psi)	2nd Stage (psi)	1st Stage (in^3/min)	2nd Stage (in^3/min)			(amps)	(volts)	(lbs)
Single Acting	0.5	1.0	5E05H1GR	350	10,000	293	18	3-way, 3-position	Advance/ Hold/ Return	9	115	59.5
	1.0	2.0	5E10H2GR	700		397	37			12		70.5
	1.5	3.0	5E15H3GR			476	61			17		88.5

ELECTRIC PUMP WITH SOLENOID VALVE DIMENSIONS

Product Code	Dimensions (in)							
	A	B	C	D	E	F	G	H
5E05H1GR	14.92	10.28	19.10	4.72	5.67	7.99	8.07	12.36
5E10H2GR	16.65	12.01	17.83	5.94	6.89	9.21	4.53	12.36
5E15H3GR	16.65	12.01	19.72	7.24	8.19	10.51	4.53	12.36

⚠WARNING



5G65H5G



5D73H10G



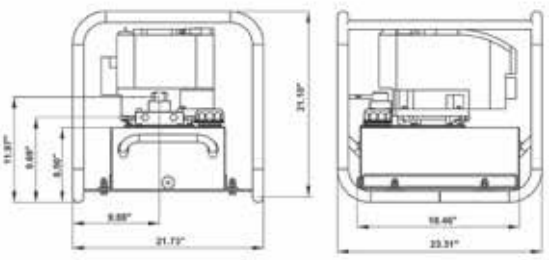
5G102H5G

WILLIAMS

GAS ENGINE PUMP

- Gas pump will provide 10,000 psi hydraulic force at remote locations
- Industrial grade 5.5 hp Honda gas engine
- Manual control valve for use with single or double acting cylinders or tools
- Two speed pump designed for rapid cylinder advance
- Gas pump features a sturdy protective roll cage for use in the toughest environments

5G65H5G



DIESEL ENGINE PUMP

- Diesel engine pumps will provide 10,000 psi at remote locations
- Industrial grade 5.5 hp Honda gas engine
- Locking solenoid control valve for use with single or double acting cylinders or tools
- Two speed pump designed for rapid cylinder advance
- Ideal for application when diesel fuel in remote environments is required
- Comes standard with electric start.

ENGINE PUMP SPECIFICATIONS

Motor Size	Usable Oil Capacity	Product Code	Pressure Rating (psi)		Oil Output Flow Rate (in^3)		Valve Type	Valve Function	Rotation Speed	Sound Level
(hp)	(gal)		1st Stage	2nd Stage	1st Stage	2nd Stage			(rpm)	(dBA)
5.5	5.0	5G55H5G (Gas)	700	10,000	427	100	3-way 3-position	Advance/Hold/Return	3600	93
10.2	10.0	5G102H5G (Gas)	700	10,000	600	200	4-way 3-position	Advance/Hold/Return	3600	93
7.3	10.0	5D73H10G (Diesel)	700	10,000	600	200	4-way 3-position	Advance/Hold/Return	3600	93

AIR PUMP AND SINGLE-ACTING CYLINDER MATCHING CHART

Capacity (Tons) ▶ Stroke (Inches) ▼	5	10	15	25	30	55	75	100
<1.00								
1.00								
2.00								
3.00								
4.00								
5.00								
6.00								
7.00								
8.00								
9.00								
10.00								
12.00								
13.00								
14.00								
	 5AS60		 5AS150			 5AS380		

Note: Selection based on oil capacity requirements of cylinders. **Not Recommended**

HAND PUMP / E-PUMP AND SINGLE-ACTING CYLINDER MATCHING CHART

Capacity (Tons) ▶ Stroke (Inches) ▼	5	10	15	25	30	55	75	100
<1.00								
1.00								
2.00								
3.00								
4.00								
5.00								
6.00								
7.00								
8.00								
9.00								
10.00								
12.00								
13.00								
14.00								
	 5HS2S35		 5HS2S100		 5HS2S200		 5E10H2G	

Note: Selection based on oil capacity requirements of cylinders.

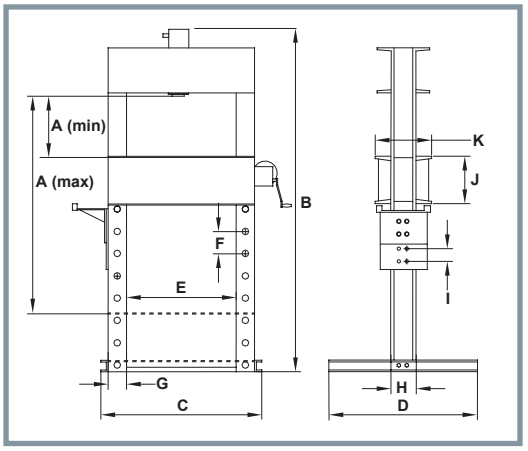
WARNING



WILLIAMS

55/100 TON SHOP PRESS

- Heavy steel welded construction
- Multi-position bed for work height adjustment
- Ideal for the removal or installation of gears, universal joints, pulleys, wrist pins, and other press jobs
- Excellent for bending, bonding or straightening applications



55/100 TON SHOP PRESS SPECIFICATIONS

Product Code	Capacity (Tons)	Pump Model	Pump Type	Stroke Length	Bed Position	Product Size (H X L X W)	Working Space (A Min. / A Max.) (in)	Weight (lbs)
9A55T06	55	5AS150	AIR	6	9	79" X 56" X 30"	14" ~ 55-½"	760
9E55T06		5E05H1GR	ELECTRIC	6				
9H55T06		5HS25200	MANUAL	6				
9A55T13		5AS380	AIR	13				
9E55T13		5E05H1GR	ELECTRIC	13				
9E100T10	100	5E10H2GR	ELECTRIC	10	8	89" X 63" X 30"	11-¼" ~ 51"	1550

55/100 TON SHOP PRESS DIMENSIONS

Product Code	Dimensions (in)											
	A (Min.)	A (Max.)	B	C	D	E	F	G	H	I	J	K
9A55T06	14	55.5	79	56	30	35.4	6	4	9	3	10	14.8
9E55T06												
9H55T06												
9A55T13												
9E55T13												
9E100T10	11.3	51	89	63	30	35.5	8	N/A	10	N/A	12	16

MINI JACKS

- Low profile mini jack
- Pocket size and lightweight
- Convenient for storage
- Interchangeable saddle on model 3M05T75 and 3M05T150.



3M05T75



3M05T150



3M10T160

MINI JACK DIMENSIONS

Capacity	Product Code	Minimum Height	Maximum Height	Hydraulic Lifting	Base Size (L x W)	Weight
(tons)		(in)	(in)	(in)	(in)	(lbs)
5	3M05T75	2.37	3.13	0.76	4.13 x 4.00	4.6
	3M05T150	3.37	4.88	1.51	4.13 x 4.00	5.3
10	3M10T160	4.75	6.25	1.63	4.88 x 4.38	12.5
20	3M20T160	5.13	6.75	1.63	5.38 x 4.75	16.7

⚠WARNING



4T06T



4T10T

WILLIAMS®

TOE JACKS

- Heat treated and chrome plated medium-carbon steel cylinder
- Chrome plated ram promotes longer seal life and optimum performance
- U.S. Patented by-pass device protects hydraulic system from over traveling damage

TOE JACK DIMENSIONS

Capacity	Product Code	Toe Saddle		Head Saddle		Hydraulic Lifting
		Min. Height	Max. Height	Min. Height	Max. Height	
(tons)		(in)	(in)	(in)	(in)	(in)
6	4T06T	0.88	6.00	10.50	15.63	5.13
10	4T10T	1.13	6.25	11.00	16.13	



3S20TV

WILLIAMS®

SIDE PUMP BOTTLE JACK

- Hydraulic system is protected from internal damage by a patented by-pass mechanism
- Machined and polished cylinders with die-cut threads provide non-abrasive leak-free, durable performance
- Fabricated from hard-cast steel with heat-treated critical stress areas
- Serrated heat-treated saddle provides generous lifting area and secure grip
- Heat-treated extension screw allows low pick-up height adjustment and maximum lift height
- U.S. patented built-in by-pass device protects hydraulic system from overpumping damage
- Unique cross-type forged release valve assures positive control
- A wide, rugged base provides stability and strength
- Critical stress points are reinforced in all models for added durability and dependability
- Economically priced for maximum value

SIDE PUMP BOTTLE JACK DIMENSIONS

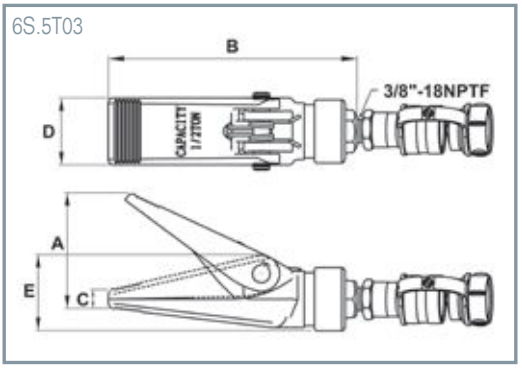
Capacity	Product Code	Min. Height	Max. Height	Extension Screw	Hydraulic Lifting	Base Size (L x W)
(tons)		(in)	(in)	(in)	(in)	(in)
12	3T12TV	9.50	18.63	3.13	6.00	5.25 x 5.13
	3S12TV	6.00	10.63	1.63	3.00	
20	3T20TV	9.50	18.63	3.13	6.00	6.25 x 5.88
	3S20TV	6.50	11.25	1.63	3.13	

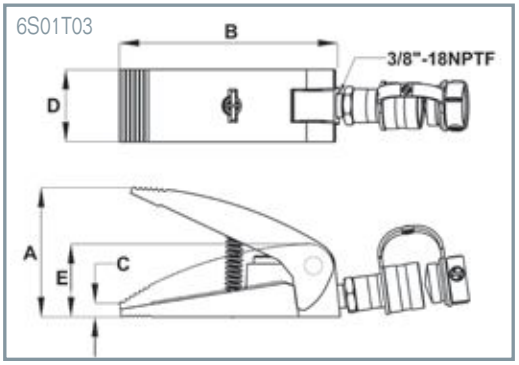
WILLIAMS®

SPREADERS



6S.5T03







6S01T03

SPREADER DIMENSIONS

Cylinder Capacity	Product Code	Cylinder Effective Area	Oil Capacity	Dimensions (in)				
(tons)		(in^2)	(in^3)	A	B	C	D	E
0.5	6S.5T03	1.22	0.58	3.54	7.57	0.51	2.05	2.36
1	6S01T03	1.09	0.86	3.90	6.57	0.47	2.17	2.20

⚠WARNING



4M10T

WILLIAMS

MAINTENANCE KITS

- Sets are portable for easy use in the plant or on the job site
- Custom fitted, rugged blow molded storage case
- 10 ton set has wheels for easy movement
- Designed for applications of pushing, spreading, pressing and more
- Pumps are rated from 8,000 to 10,000 psi

MAINTENANCE KITS

Contents of Kit	Product Code	
	4M04T	4M10T
Hand Pump	X	X
Ram	X	X
Hose Assembly	X	X
Hose Coupler	X	X
Ram Coupler	X	X
Case	X	X
Hydraulic Spreader	X	X
Combination Head (90°)	X	X
Rubber Head	X	X
Ram Toe	X	X
Plunger Toe	X	X
Flat Base	X	X
Serrated Saddle	X	X
Wedge Head	X	X
Male Connector	X	X
Extension Tubes Included	3"	4"
	6 ⅛"	10"
	8 ½"	18"
	16 ½"	27"
	19 ½"	

Capacity	Product Code	Ram		Number of Attachments
		Collapsed Height	Extended Height	
(tons)		(in^2)	(in^3)	
4	4M04T	11.00	15.75	14
10	4M10T	13.63	19.75	13

*When extension tubes and/or offset attachments are used, the capacity is reduced.

WILLIAMS®

GAUGES, ADAPTERS, HOSES & HYDRAULIC OIL


8G04W


8G025W

GAUGE SPECIFICATIONS

Gauge Type	Product Code	Face Dia.	Thread	Pressure Range		Graduation			
						Major Graduation	Minor Graduation	Major Graduation	Minor Graduation
		(in)	(in)	(psi)	(bar)	(psi)		(bar)	
Wet	8G025W	2.50	¼"-18NPTF	0-10,000	0-700	1,000	100	100	10
	8G04W	4.00				2,000	200		

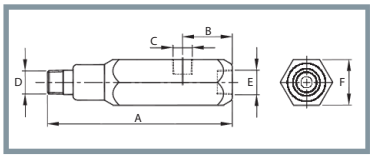

8FG38MF


8FB25F38M


8FR38M25F

GAUGE ADAPTER SPECIFICATIONS

Product Code	Dimensions (in)					
	A	B	C	D	E	F
8FG38MF	5.12	1.38	¼"-18NPTF	⅜"-18NPTF	⅜"-18NPTF	1.25




8H3838D06

ADAPTER SPECIFICATIONS

Description	Product Code	Male Thread	Female Thread	Dimensions (in)	
		C	D	A	B
Adapter	8FR38M25F	¼"-18NPTF	⅜"-18NPTF	1.39	0.91
Bushing	8FB25F38M	⅜"-18NPTF	¼"-18NPTF	0.87	0.67


8H2525D06


8H3825D06

HOSE SPECIFICATIONS

Hose I.D.	Product Code	Hose End Fittings	Operating Pressure	Hose Length	Weight
(in)			(psi)	(ft)	(lbs)
¼"	8H2525D06	¼"-18NPTF	10,000	6	2.5
	8H3825D06	⅜"-18NPTF		6	3.0
	8H3825D10			10	5.0
	8H3825D20			20	10.5
⅜"	8H2538D06	¼"-18NPTF		6	3.2
	8H3838D006	⅜"-18NPTF		6	3.5
	8H3838D10			10	6.5
	8H3838D20			20	13.5



8H1G

HYDRAULIC OIL

Volume	Product Code	Viscosity Index	Viscosity @ 100°F	Viscosity @ 210°F	ASTM Grade	Flash Point	Pour Point	API Gravity
(gal)		(min)	(S.U.S.)	(S.U.S.)		(°F)	(°F)	
1	8H1G	168	215	47	215	410	-54	31.4



WILLIAMS®

COUPLINGS/MALE CONNECTORS



8FC38F



8FN38M

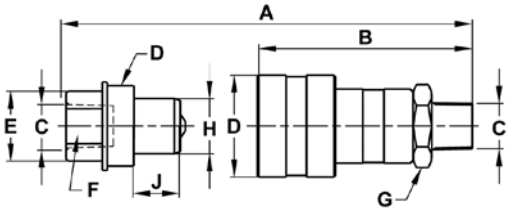


8FN25M38M

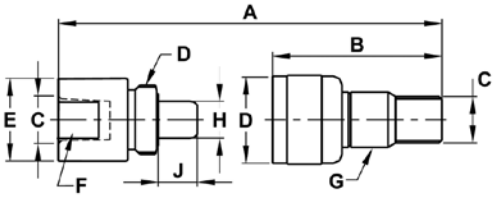
COUPLING/MALE CONNECTOR DIMENSIONS

Product Code	Type	Dimensions			
		A (in)	B (in)	C	D
8FC25F38F	Couplings	1.18	1.02	Female ¼"-18NPTF	Female ⅜"-18NPTF
8FC38F	Couplings	1.18	1.02	Female ⅜"-18NPTF	Female ⅜"-18NPTF
8FN25M	Male Connectors	1.50	0.67	Male ¼"-18NPTF	Male ¼"-18NPTF
8FN38M	Male Connectors	1.50	0.75	Male ⅜"-18NPTF	Male ⅜"-18NPTF
8FN25M38M	Male Connectors	1.45	0.75	Male ¼"-18NPTF	Male ⅜"-18NPTF

8RH38D

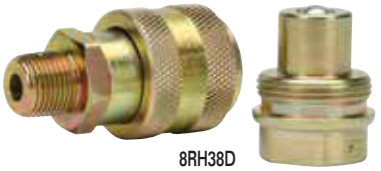


8R38D



WILLIAMS®

COUPLERS



8RH38D



8R38DM



8R38DF

COUPLER DIMENSIONS

Coupler Type	Product code			Dimensions (in)				
	Complete Set	Male Half	Female Half	A*	B	C	D	E
High-Flow Coupler	8RH38D	8RH38DM	8RH38DF	3.35	2.84	⅜"-18NPTF	1 3⁄16"-16	1.10
Regular-Flow Coupler	8R38D	8R38DM	8R38DF	3.15	2.2	⅜"-18NPTF	15⁄16"-20	1.04

*** Value A is total length when male and female valves are connected.**

WILLIAMS®

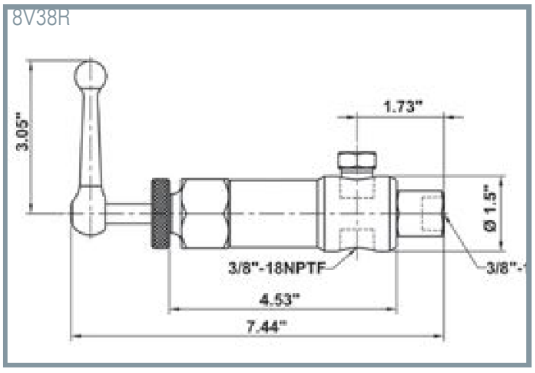
FLOW CONTROL VALVES

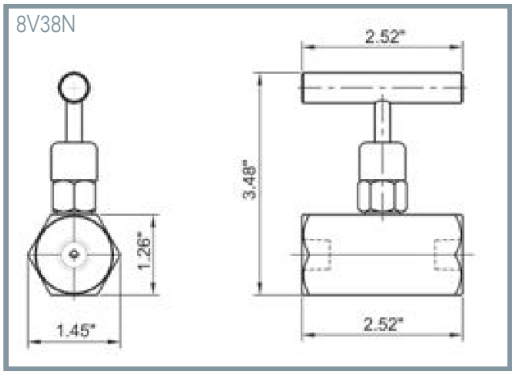


8V38R

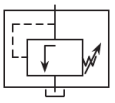


8V38N





VALVE SPECIFICATIONS

Valve Type	Product Code	Ports	Application	Hydraulic Symbol
Needle Valve	8V38N	3/8"-18NPTF	Controls cylinder speed and treats as temporary shut-off valve for load holding.	
Pressure Relief Valve	8V38R	3/8"-18NPTF	Controls pressure developed by the pump in hydraulic loop. By-pass occurred when pre-set pressured is reached. Turns clockwise to increase pressure, counter clockwise to decrease.	

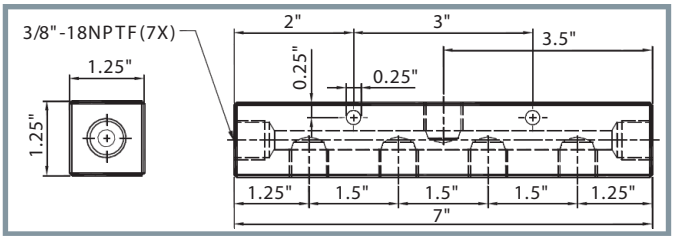
WILLIAMS®

MANIFOLDS

Manifold Type	Product Code	Number of Parts	Port Size	Mounting Hole
7" Long Manifold	8M7L7P	7	3/8" - 18NPTF	1/4" - 20UNC
14" Long Manifold	8M14L7P	7		



8M7L7P



⚠WARNING



Trade Sets	546
Handsaws	548
Bowsaws	556
Hacksaws	558
Portabands	561
Holesaws	565
Reciprocating Saw Blades	573
Files	579
Snips	598
Measuring Tools	600
Borescope/Multimeter	605
Knives	610
Worklights/Pickup tools	613

TOOLS FOR THE TRADES

For the most demanding tradesman, Bahco offers the right tools for carpentry, plumbing or electrical work. Our saws are renowned for their sharpness, safety, comfort and sustained performance. Bahco stands at the forefront of ergonomic hand tool design by leveraging our 11-point scientific approach.

35 PIECE ELECTRICIAN'S KIT

Product Code	Description
4750FB3-12TS4	35 Piece Large Electrician's Kit

Contents Include:

Product Code	Description	Product Code	Description	Product Code	Description
4750FB3-12	12" Electrician's Bag with Hard Bottom	317	Professional Light Hacksaw Frame	B196.030.100	BAHCOFIT Insulated Slotted Screwdriver
1-110-08-2-2	Flat File Ergo® 8" Second 36 TPI	3735-4-120	Center Punch	B196.040.100	BAHCOFIT Insulated Slotted Screwdriver
1-230-08-2-2	Round File Ergo® 8" Second 36 TPI	3740-150	Flat Chisel	B196.055.125	BAHCOFIT Insulated Slotted Screwdriver
1952M-10	10mm Combination Wrench	424P-16	Chisel	B195.002.025	BAHCOFIT Insulated Slotted Screwdriver
1952M-13	13mm Combination Wrench	416-400	Spirit Level	B195.050.025	BAHCOFIT Insulated Slotted Screwdriver
BE-9770	Long Ball End Hexagon Key Set, Metric	429-16	Claw Hammer	B142.001.080	BAHCOFIT Insulated Pozidriv Screwdriver
2101D-160	Diagonal Cutting Plier 6 1/4"	480-12	Warrington Hammer	B142.002.100	BAHCOFIT Insulated Pozidriv Screwdriver
2223 D-150	Wire stripping pliers - copper wire and cable	700-2.5-500	Precision Screwdrivers; slotted	1446	Multipurpose Knife
2233 D-160	Cable cutting and stripping pliers	8070	Black Adjustable Wrench 6"	B144.001.100	BAHCOFIT Screwdriver Robertson # 1
2430 D-160	Nose Plier 6 1/4"	8071	Black Adjustable Wrench 8"	B144.002.125	BAHCOFIT Screwdriver Robertson # 2
2628 D-180	Side Cutting Combo Plier 7"	7224	Quick Adjust Water Pump Plier	B144.003.150	BAHCOFIT Screwdriver Robertson # 3
268	Junior Hacksaw Plastic Handle 6"	B196.025.075	BAHCOFIT Insulated Slotted Screwdriver		

Features

- This Electrician's kit provides the tools necessary for many electrical applications.
- Kit contains an assortment of pliers, screwdrivers, adjustable wrench, combination wrenches, files and knife.
- Packed in an Electrician's bag with a hard bottom and double stitching reinforcement that is 100% waterproof and easy to clean.



4750FB3-12TS4

13 PIECE BASIC MAINTENANCE KIT

Product Code	Description
4750-UP-1TS5	13 Piece Basic Maintenance Kit

Contents Include:

Product Code	Description	Product Code	Description
4750-UP-1	Universal Pouch	1952M-10	10mm Combination Wrench
2101 D-160	Diagonal Cutting Plier 6 1/4"	1952M-11	11mm Combination Wrench
2628 D-180	Side Cutting Combo Plier 7"	1952M-13	13mm Combination Wrench
2430 D-160	Nose Plier Grips 6 1/4"	B144.001.100	BAHCOFIT Screwdriver Robertson # 1
B190.055.100	BAHCOFIT Slotted Screwdriver	B144.002.125	BAHCOFIT Screwdriver Robertson # 2
B192.001.100	BAHCOFIT Phillips PH1 Screwdriver	B144.003.150	BAHCOFIT Screwdriver Robertson # 3
8072	Black Adjustable Wrench 10"		



4750-UP-1TS5

Features

- This basic maintenance kit provides the tools necessary for many general service and maintenance applications.
- Kit contains an assortment of pliers, screwdrivers, adjustable wrench and combination wrenches.
- Packed in a universal pouch with leather slots and two deep multi purpose open pockets..

WARNING



3100TBTS4



24 PIECE PLUMBERS KIT

Product Code	Description
3100TBTS4	24 Piece Plumbers Kit

Contents Include:

Product Code	Description	Product Code	Description
3100TB	17" Open Tote Caddy Tool Bag Organizer	141	Universal Pipe Wrench 11"
BE-8040	Screwdriver Slotted Ergo® 8 3/4 x 4 x 5/32"	142	Universal Pipe Wrench 14 1/2"
BE-8821	Screwdriver Ergo® Pozidriv® #2	8224	Adjustable Joint Pliers 10"
BE-8155	Screwdriver Slotted Ergo® 9 3/4 x 5 x 1/4"	301-22	Tube Cutter
BE-8611	Screwdriver Phillips® Ergo® #1	302-35	Tube Cutter
BE-9777	Hex Keys	317-40	Wheel Reemer
BE-8986	Stubby Awl	2446	Multipurpose Knife
319	Hacksaw Non-Slip Handles 12"	2448	Wrecking Knife
268	Junior Hacksaw Plastic Handle 6"	8071 R US	Black Adjustable Wrench 8"
4-152-08-2-2	Homeowner's File Ergo® 8" 41 & 36 TPI	8070 R US	Black Adjustable Wrench 6"
416-400	Spirit Level	3740-200	Cold Chisel
429-16	Claw Hammer	P-HB	Pencil

Features

- This plumbers kit provides the tools necessary for many plumbing applications.
- This set is geared for industrial plumbers. It includes an assortment of hand tools such as screwdrivers, wrenches, hacksaws and tube cutters.
- Packed in a open tote caddy tool bag organizer, ideal for storing and carrying tools, parts and supplies.



4750PTB65TS4

18 PIECE GENERAL PURPOSE KIT

Product Code	Description
4750PTB65TS4	18 Piece General Purpose Kit

Contents Include:

Product Code	Description	Product Code	Description
4750PTB65	Plastic Tool Box	NP-22-U7/8-HP	Prize Cut 22" Handsaw, (Qty. 2)
2446	Knife	MTB-5-25	Tape Measure
2448	Wrecking Knife	P-HB	Pencil
426TOR9	Torpedo Level	SB-3732-2.5-125	Nail Punches
529-16-L	Ergo Claw Hammer	KE18-01	Snap-off Knife
59s/31-1	31 Piece Bit set in Plastic Case	B144.001.100	BAHCOFIT Screwdriver Robertson # 1
B219.026	Bahco Fit Screwdriver Set 6 Pieces	B144.002.125	BAHCOFIT Screwdriver Robertson # 2
9045-B-250	Square	B144.003.150	BAHCOFIT Screwdriver Robertson # 3
9572-200	Sliding Bevel		

Features

- This general purpose kit provides the tools necessary for many general service and repair applications.
- Kit contains an assortment of screwdrivers, hammer, tape measure and knives.
- Packed in a heavy duty plastic tool box that is perfect for organizing items.

LAPLANDER FOLDING SAW

General Purpose Folding Saw

Product Code	Blade Length (Inch)	Teeth Per Inch
396-LAP	9	7

Product Code	Description
LAP-KNIFE	Folding Saw & Multipurpose Knife


396-LAP


LAP-KNIFE

Features

- A general purpose folding saw for cutting both green and dry wood, plastic, bone etc.
- Specially designed for wild-life enthusiasts, hunting and campers.
- XT toothing, 7TPI. Blade specially coated for rust protection and low friction.
- Two-component plastic handle for perfect grip, with leather strap.
- Safety lock, locked also when folded.

JAPANESE STYLE PULL SAWS

Cut on Pull Stroke

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
PC-12-14-PS	12	14
PC-11-19-PS	11	19
PC-9-9/17-PS	9	9/17



PC-11-19-PS



PC-9-9/17-PS

Features

- Razor sharp teeth allows this pull saw to make clean cuts with little effort.
- Perfect for rip and cross-cut to flush-cutting moldings, treated lumber, door casings, PVC, ABS pipe, hard and soft woods, plywood, drywall and plastic pipe.
- This pull-to-cut saw allows undercutting with fast and accurate cuts.

PRIZECUT TOOLBOX HANDSAW

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
300-14-F15/16-HP	14	15/16



300-14-F15/16-HP

Features

- The universal toothing is strong and hard wearing, suitable for both rip and cross cutting in all types of wood.
- Hard Point for longer life, rust protection lacquered.
- One-component solid handle.
- Comes with reusable plastic patented tooth protector.

PROFCUT TOOLBOX HANDSAW

Special-purpose Handsaw

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
PC-15-TBX	15	11



PC-15-TBX

Features

- Toolbox saw for fine cutting.
- Fine GT toothing, 11 TPI.
- Super sharp GT-toothing is specially developed for high cutting performance. The 3-sided ground tooth form ensures excellent results in all types of wood.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.

WARNING



369

369-BLADE

BAHCO

GENERAL PURPOSE SAW

Aluminum handle

Product Code	Blade Length (Inch)	Teeth Per Inch
369	14 ½	14
369-BLADE	Replacement Blade	

Features

- For a variety of materials such as wood, plywood, plastics, aluminum and thin metal.
- Made of extra thick steel and with black color coating for improved rust protection.
- Equipped with aluminum handle and interchangeable blade, which can be positioned at five different angles.

ergo





SUP-20-LAM

BAHCO

SUPERIOR LAMINATOR SAW

ERGO® handle - Unique XT toothing - Low Friction Coating

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)	Type of cut
SUP-20-LAM	20	11/12	Fine

Features

- A handsaw for cutting laminate and wooden floors.
- Bevel ground teeth on thick blade for high precision and straight cutting with exceptionally good stability.
- Screwed, one piece two-component ERGO® handle.
- Handle placement provides even distribution of power along the tooth line.
- Low-friction, rust-protective coating.
- Comes with reusable plastic patented tooth protector.



PC-22-GT7

BAHCO

PROFCUT GENERAL PURPOSE HANDSAWS

Comfortable two-component handle

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
PC-19-GT7	19	7
PC-22-GT7	22	7
PC-22-FILE-U7	22	7 (Fileable)

Features

- Super sharp GT-toothing is specially developed for high cutting performance. The 3-sided ground tooth form ensures excellent results in all types of wood.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.



NP-22-U7/8-HP

BAHCO

PRIZECUT UNIVERSAL SAW

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
NP-16-U7/8-HP	16	7
NP-19-U7/8-HP	19	7
NP-22-U7/8-HP	22	7

Features

- The universal toothing is strong and hard wearing, suitable for both rip and cross cutting in all types of wood.
- Hard Point for longer life, rust protection lacquered.
- Two-component solid handle.
- Comes with reusable plastic patented tooth protector.

SUPERIOR HANDSAWS WITH XT TOOTHING

ERGO® handle - Unique XT toothing - Low Friction Coating

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)	Type of cut
Fine Tooth Pattern for smooth, consistent cuts through most materials			
2600-16-XT11-HP	16	11	Fine
2600-22-XT-HP	22	9	Medium
Aggressive tooth pattern for faster cuts through thick material			
2700-22-XT7-HP	22	7	Aggressive
2700-24-XT7-HP	24	7	Aggressive



2600-16-XT11-HP

Features

- Hard point saw with substantially thicker blade which results in less power-consuming side vibrations.
- Bevel ground teeth on thick blade for height precision and straight cutting with exceptionally good stability.
- Screwed, one piece two-component ERGO® handle.
- Handle placement provides even distribution of power along the tooth line.
- Comes with reusable plastic patented tooth protector.

SUPERIOR MITER HANDSAW WITH XT TOOTHING

ERGO® handle - Unique XT toothing - Low Friction Coating

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)	Type of cut
3090-20-XT11-HP	20	11	Fine



3090-20-XT11-HP

Features

- Bevel ground teeth on thick blade for high precision and straight cutting with exceptionally good stability.
- Screwed, one piece two-component ERGO® handle.
- Handle placement provides even distribution of power along the tooth line.
- Comes with reusable plastic patented tooth protector.

PROFESSIONAL HANDSAWS WITH XT TOOTHING

ERGO® handle - Unique XT toothing - Low Friction Coating

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)	Type of cut
2500-16-XT-HP	16	9	Medium
2500-19-XT-HP	19	9	Medium
2500-22-XT-HP	22	9	Medium



2500-XT

Features

- For medium thick materials, such as plywood, ordinary wood, fiber and chipboard or plastics.
- Hard point saw with substantially thicker blade which results in less power-consuming side vibrations.
- Screwed, one piece two-component ERGO® handle.
- Handle placement provides even distribution of power along the tooth line.
- Comes with reusable plastic patented tooth protector.

PROFCUT TOOLBOX HANDSAW

Comfortable two-component handle

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
PC-15-GNP	15	15



PC-15-GNP

Features

- Toolbox saw for general purpose cutting.
- Fine FT toothing, 15 TPI.
- Saw blade for cutting plastics, laminates, wood and soft metals like aluminum. Fleam toothing, hardpoint teeth for long lasting sharpness.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.

⚠WARNING

⚠WARNING

ergo





3180-14-XT11-HP

BAHCO

SUPERIOR BACKSAW WITH XT TOOTHING

ERGO® handle - Unique XT toothing - Low Friction Coating

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)	Type of cut
3180-14-XT11-HP	14	11	Fine

Features

- Specially adapted for cutting of small-diameter timber and miter guide sawing of all sizes of materials.
- Bevel ground teeth on thick blade for high precision and straight cutting with exceptionally good stability.
- Screwed, one piece two-component ERGO® handle.
- Handle placement provides even distribution of power along the tooth line.
- Comes with reusable plastic patented tooth protector.



PC-12-TEN

BAHCO

PROFCUT BACKSAW

For Straight and Miter Cuts

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
PC-12-TEN	12	11

Features

- Specially adapted for cutting of small-diameter timber and miter guide sawing of all sizes of materials.
- Fine UT toothing with 11 TPI.
- The universal toothing is strong and hard wearing, suitable for both rip and cross cutting in all types of wood.
- 3-sided ground tooth form ensures excellent results in all types of wood.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.



NP-12-TEN

BAHCO

PRIZECUT BACKSAW

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
NP-12-TEN	12	13

Features

- Specially adapted for cutting of small-diameter timber and miter guide sawing, all sizes of materials.
- The universal toothing is strong and hard wearing, suitable for both rip and cross cutting in all types of wood.
- Hard Point for longer life, rust protection lacquered.
- One-component solid handle.
- Comes with reusable plastic patented tooth protector.



PC-10-DTF



PC-10-DTR

BAHCO

PROFCUT DOVETAIL HANDSAWS

Fine Cut Detail Saws

Product Code	Style	Blade Length (Inch)	Teeth Per Inch (TPI)
PC-10-DTF	Reversible handle for left / right sawing	10	15/16
PC-10-DTR	Angled / flush cutting	10	13/14

Features

- Special-purpose saw for wood and plastic materials.
- Fine universal toothing with hard point teeth and light steel back for rigidity.
- Blade width is 2-3/8".
- Comes with reusable plastic patented tooth protector.

SUPERIOR VENEER SAW WITH XT TOOTHING

ERGO® handle - Unique XT toothing - Low Friction Coating

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)	Type of cut
3240-14-XT11-HP	14	11	Fine

Features

- For fine and medium thick materials, such as plywood, laminates and plastics.
- Bevel ground teeth on thick blade for high precision and straight cutting with exceptionally good stability.
- Curved, toothed nose for starting cuts in the middle of the surface of the work piece.
- Screwed, one piece two-component ERGO® handle.
- Handle placement provides even distribution of power along the tooth line.
- Comes with reusable plastic patented tooth protector.





3240-14-XT11-HP

PROFCUT VENEER SAW

For Veneer and Other Fine Sawing

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
PC-12-VEN	12	11

Features

- For fine and medium thick materials, such as plywood, laminates and plastics.
- Fine UT toothing with 11 TPI.
- Rounded cutting nose for pocket cuts
- The universal toothing is strong and hard wearing, suitable for both rip and cross cutting in all types of wood.
- 3-sided ground tooth form ensures excellent results in all types of wood.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.



PC-12-VEN

PRIZECUT VENEER SAW

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
NP-12-VEN	12	13

Features

- For fine and medium thick materials, such as plywood, laminates and plastics.
- The universal toothing is strong and hard wearing, suitable for both rip and cross cutting in all types of wood.
- Hard Point for longer life, rust protection lacquered.
- Two-component solid handle.
- Comes with reusable plastic patented tooth protector.



NP-12-VEN

⚠WARNING



3150-12-XT9-HP

SUPERIOR COMPASS SAW WITH XT TOOTHING

Unique XT toothing - Low Friction Coating

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)	Type of cut
3150-12-XT9-HP	12	9	Medium

Features

- For all kinds of woods and plastics.
- Bevel ground teeth on thick blade for high precision and straight cutting.
- Exceptionally good stability, working more on pull than on push.
- Handle placement provides even distribution of power along the tooth line.
- Comes with reusable plastic patented tooth protector.



PC-12-COM

PROFCUT COMPASS HANDSAWS

For Contour Cuts

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
PC-12-COM	12	9

Features

- For all kinds of wood and plastic material.
- Long lasting sharpness from the unique XT-toothing, hardpoint teeth.
- Handle placement provides even distribution of power along the tooth line.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.



NP-12-COM

PRIZECUT COMPASS HANDSAWS

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
NP-12-COM	12	7

Features

- For all kinds of wood and plastic material.
- The universal toothing is strong and hard wearing, suitable for both rip and cross cutting in all types of wood.
- Hard Point for longer life, rust protection lacquered.
- One-component solid handle.
- Comes with reusable plastic patented tooth protector.



PC-6-DRY

DRY WALL SAW

Jab Saw

Product Code	Blade Length (Inch)
PC-6-DRY	6

Features

- Cuts drywall, wallboard, plywood, and plastic.
- Blade cuts in both directions (push and pull).
- Sturdy blade with sharp point for punching through drywall.

PROFCUT INSULATION SAW

Special Purpose Saw

Product Code	Blade Length (Inch)	Teeth Per Inch
PC-22-INS	22	WT Toothing

Features

- Specially designed for cutting insulation material
- Mineral wood
- Cuts plastic up to ¾" thick
- Cuts Styrofoam up to ¾" thick
- Handsaw has a wave formed sharpened edge (WT toothing) that allows it to slice through the material creating minimal wast
- Should be stored in sleeve for rust protection



PC-22-INS

PROFCUT TIMBER SAW

Comfortable two-component handle with Fileable Blade

Product Code	Blade Length (Inch)	Teeth Per Inch
PC-24-TIM	24	3 1/2

Features

- A handsaw for cutting Timber.
- Fleam-toothed, non-hardpoint. Can be re-sharpened by using the file 272. Effective on the push as well as on the pull stroke.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.



PC-24-TIM

PROFCUT POLYSTYRENE, FOAM HANDSAW

Special-purpose handsaw

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)
PC-16-DECO	16	Special

Features

- Special toothing for cutting polystyrene and foam.
- Specially developed toothing with very fine ground teeth and gullets designed to combine excellent finish with minimized clogging.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.



PC-16-DECO

PROFCUT LAMINATOR SAW

Special-purpose handsaw

Product Code	Blade Length (Inch)	Teeth Per Inch
PC-20-LAM	20	11/12

Features

- A handsaw for cutting laminate and wooden floors.
- Long lasting sharpness from the unique XT-toothing, hardpoint teeth.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.



PC-20-LAM

WARNING



PC-24-PLS

BAHCO

PROFCUT PLASTER SAW

Special-purpose Handsaw

Product Code	Blade Length (Inch)	Teeth Per Inch
PC-24-PLS	24	7

Features

- A handsaw for cutting plaster.
- Super sharp GT-toothing is specially developed for high cutting performance. The 3-sided ground tooth form ensures excellent results in all types of wood.
- Comfortable-two component handle.
- Comes with reusable plastic patented tooth protector.



296

BAHCO

STRADIVARIUS - MUSICAL SAW

Specially made for musical applications

Product Code	Blade Length (Inch)
296	30

Features

- Polished blade with flat back and un-ground teeth, total length 34 1/4".
- Specially made for musical applications.
- Traditional wood handle with brass hardware.



301



303-5p



216-150-R

BAHCO

COPING SAW

Wooden beech handle

Product Code	Description	Blade Length (Inch)	Teeth Per Inch
301	Coping Saw	6 1/2	14
303-5P	Coping Saw Blades (5 Pack)	6 1/2	14
216-150-R	Rod Blade	6	Grit

Features

- Nickel-plated steel frame. Orange-lacquered, wooden beech handle.
- Interchangeable blade fitted on retaining pins, turnable 360°.
- Blade of hardened and tempered carbon steel, teeth milled and set, 14TPI.

MINI BOWHACK

Durable Metal Handle

Product Code	Blade Length (Inch)	Type of Wood
9-12-51/3806-KP	12	Dry Wood and Lumber

Features

- Toolbox sized mini-bow saw is easy to stow away and is ideal for plumbers and electricians.
- Made of lightweight, high quality steel tubing for durability and easy handling.
- High impact orange enamel paint protects from rust and corrosion.
- Comes with 12" blade for wood cutting and a bi-metal hacksaw blade.
- Equipped with durable metal handle.



9-12-51/3806-KP

ECONOMY BOW SAWS

Durable Metal Handle

Product Code	Blade Length (Inch)
SE-16-21	21
SE-15-24	24
SE-15-30	30

Features

- Made of lightweight, quality steel tubing for durability and easy handling.
- High impact orange enamel paint protects from rust and corrosion.
- Pointed nose on 21" model ideal for use in tight spaces.
- Durable metal handle.



SE-16-21



SE-15-24



SE-15-30

BOW SAW BLADES

Replacement blades

Product Code	Blade Length (Inch)	Type of Wood	Type of Toothing
23-21	21	Green Wood	Raker
23-24	24	Green Wood	Raker
23-30	30	Green Wood	Raker
23-36	36	Green Wood	Raker
51-12	12	Dry Wood and Lumber	Peg
51-21	21	Dry Wood and Lumber	Peg
51-24	24	Dry Wood and Lumber	Peg
51-30	30	Dry Wood and Lumber	Peg
51-36	36	Dry Wood and Lumber	Peg
51-42	42	Dry Wood and Lumber	Peg
333-5	14	Dry Wood	Raker

Features

- Rust-prevention treated.
- Packed in individual sleeve printed with graphically illustrated text for correct blade selection.



23



51-24



333-5

⚠WARNING



10-21-51

BOW SAWS - ERGO®

Ergonomically designed handle

Product Code	Blade Length (Inch)	Type of Wood
10-21-51	21	Dry Wood and Lumber
10-24-51	24	Dry Wood and Lumber
10-24-23	24	Green Wood
10-30-23	30	Green Wood
10-30-51	30	Dry Wood and Lumber
9-36-23-KP*	36	Dry Wood and Lumber

* Equipped with non-ergo metal handle.

Features

- Designed for demanding applications and tough environments of construction sites.
- Innovative tensioning mechanism for high blade tension and straight cutting.
- Ergo handle with knuckle protector provides comfort and safety.
- Made of lightweight, high quality steel tubing for durability and easy handling.
- High impact orange enamel paint protects from rust and corrosion.
- Strong blade fitting for easy and safe blade storage.



332

331

BOW SAWS - POINTED NOSE

Durable Handle

Product Code	Blade Length (Inch)	Type of Wood	Handle
332-21-51	21	Dry Wood and Lumber	ergo®
331-21-51-KP*	21	Dry Wood and Lumber	Standard

Features

- Small and handy bow saw for all around use.
- Pointed nose makes the saw ideal for use in tight spaces.
- Used for pruning and roofing work.
- Model 332 is equipped with an Ergo handle.



333

BOW SAW - QUICK CHANGE

Equipped With Raker Blade for Cutting Dry Wood

Product Code	Blade Length (Inch)
333	14
333-5	Replacement Blade

Features

- The steel frame has special blade holders with a extra strong blade attachment mechanism.
- Reversible blade, hardened for durability which can be rotated around its long axis.
- Equipped with durable plastic handle.
- Handle releases for quick blade changes.

ERGO® PROFESSIONAL HAND HACKSAW

Ergonomic Handles Maximize Cutting Control and Power

Product Code	Description	Blade Length (Inches)
325	ERGO® Hand Hacksaw	12

Features

- Ergonomically designed with extremely high blade tension for straight, accurate and fast cuts.
- Centered blade for correct balance and reduced cutting effort.
- Alternative 55° blade mounting for flush cutting.
- Supplied with reliable and shatterproof 12 inch bi-metal blade, 24 TPI.
- Single touch spring loaded blade release mechanism for fast blade changes.
- Winner of the Silver Award from the Industrial Designers Society of America.



325

PROFESSIONAL HAND HACKSAW

Non-Slip Handles Ensures a Solid and Secure Grip.

Product Code	Description	Blade Length (Inches)
319	Professional Hand Hacksaw	12

Features

- Alternative 55° blade mounting for flush cutting.
- Offers a strong steel frame that is covered with a protective dual component plastic.
- Comfortable, non-slip back handle and front grip ensures a solid, secure grip.
- Tension mechanism is fully integrated into the handles so there is no obstruction during use.
- Supplied with reliable and shatterproof 12 inch bi-metal blade, 24 TPI.



319

TRADESMAN'S HAND HACKSAW

Durable Aluminum Handle

Product Code	Description	Blade Length (Inches)
317	Tradesman's Hand Hacksaw	12

Features

- Alternative 90° blade mounting.
- Light and comfortable frame for difficult-to-reach applications.
- Durable aluminum handle.
- Metal tensioning lever designed to be comfortable and unobtrusive.
- Supplied with Bahco Bimetal blade for safety and efficiency.



317

TRADITIONAL HAND HACKSAW

Heavy Duty Frame with Blade Storage

Product Code	Description	Blade Length (Inches)
225-PLUS	Traditional Hand Hacksaw	12

Features

- Allows very high blade tension for accurate and fast cuts.
- Strong rectangular back section for blade storage with easy-to-handle retaining screws.
- Can also be used as a compass saw.
- Alternative 55° blade mounting for flush cutting.
- Supplied with reliable and shatterproof 12 inch bi-metal blade, 24 TPI.



225-PLUS

⚠WARNING



306

LIGHTWEIGHT HAND HACKSAW

Durable Aluminum Handle

Product Code	Description	Blade Length (Inches)
306	Lightweight Hand Hacksaw	10 & 12

Features

- Alternative 90° blade mounting.
- Accepts both 10" and 12" blades.
- Ultra light, only 11 ounces.
- Supplied with Bahco Bimetal blade for safety and efficiency.



268

MINI HACKSAW

Frame with Solid Steel Profile

Product Code	Description	Blade Length (Inches)
268	Mini Hacksaw	6

Features

- Chrome filled and fitted with a fiberglass handle to give a good and comfortable grip.
- Supplied with reliable and shatterproof 10 inch bi-metal blade, 24 TPI.
- Practical and simple blade-tensioning screw.



228

MINI HACKSAW

Blade-Tensioning Handle

Product Code	Description	Blade Length (Inches)
228	Mini Hacksaw	6

Features

- Simple and quick, twist-action, blade-tensioning handle, made of beech wood and orange lacquered.
- Complete with 6 inch, 32 TPI blade for metal cutting.



218

MINI HACKSAW

Metal Cutting

Product Code	Description	Blade Length (Inches)
218	Mini Hacksaw	6

Features

- Complete with 6 inch, 32 TPI blade for metal cutting.



208

MINI EXTENDABLE HACKSAW

Perfect for Difficult to Reach Work

Product Code	Description	Blade Length (Inches)
208	Mini Extendable Hacksaw	10

Features

- A mini-hacksaw frame for difficult to reach positions.
- Supplied with reliable and shatterproof 10 inch bi-metal blade, 24 TPI.
- Blade position adjusts for maximum versatility.

TUNGSTEN CARBIDE HACKSAW BLADE

Metal Cutting

Product Code	Description	Blade Length (Inches)
3816-300	Carbide grit hacksaw blade	12

Features

- Anti-corrosion treated, carbon steel blade back.
- Tungsten carbide grit toothing.
- Fits all 12" metal saw frames.



3816-300

BIMETAL HAND HACKSAW BLADES

Virtually Unbreakable and Shatterproof Bimetal Blades for all Metal Sawing

Product Code	Length	Teeth Per Inch	Blades per Package (To order, add Pack Quantity to End of Product Code) 100	10P	5P	3P	2P
3818-300-PROG-	12	18/24/32 **	X		X		
3906-250-18-	10	18	X		X		
3906-250-24-	10	24	X		X		
3906-250-32-	10	32	X		X		
3906-300-14-	12	14	X	X	X		
3906-300-18-	12	18	X	X	X		X
3906-300-24-	12	24	X	X	X		X
3906-300-32-	12	32	X	X	X		X
3906-300-	12	1 ea 18/24/32				X	

Features

- Blade back made of strong, flexible spring steel with a tooth line of high-alloyed super high speed steel.
- Bimetal construction guarantees the blade to keep its sharpness for a long time.
- Precision ground teeth for all kinds of metal sawing.
- Combine extreme cutting performance and wear resistance with a high degree of flexibility.
- Vastly superior to all-hard high speed blades or conventional, flexible blades.
- **Progressive tooth hacksaw blade features 3-tooth patterns for fast starting and cutting.
- Improved painting techniques allows for better cutting from the start with no paint in the gullets



Progressive Tooth Blade 3818-300-PROG-100



3906-300-18-100





100 Pack

MINI HACKSAW BLADES

Anti-corrosion Treated, Carbon Steel Blades

Product Code	Blades per Package	Blade Length (Inches)	TPI	For Cutting
228-15-5P	5	6	15	Wood
228-32-5P	5	6	32	Metal

Features

- Made of hardened and tempered carbon steel. Teeth milled and set.



228-15-5P

ROD SAW BLADE

Suitable for Cutting Glass, Ceramics, Porcelain and Steel

Product Code	Blades per Package	Blade Length (Inches)	Fits
215-150	1	6	Mini Hacksaws
216-300-R	1	12	All 12" Hacksaws

Features

- Base steel rod coated with cemented carbide.



215-150



215-300

WARNING

BI-METAL PORTABLE BANDSAW BLADES FOR HAND HELD MACHINES

Product Code	Dimensions (inch)	Dimensions (mm)	Length (inch)	Length (mm)	Tooth Type	Teeth per inch	5 Pack
Loops							
PB13-0.5-R-10-1140-5P	½ x 0.020	13 x 0.50	44 7/8	1140	Regular	10	X
PB13-0.5-R-14-1140-5P	½ x 0.020	13 x 0.50	44 7/8	1140	Regular	14	X
PB13-0.5-R-18-1140-5P	½ x 0.020	13 x 0.50	44 7/8	1140	Regular	18	X
PB13-0.5-R-24-1140-5P	½ x 0.020	13 x 0.50	44 7/8	1140	Regular	24	X
PB13-0.5-10/14-1140-5P	½ x 0.020	13 x 0.50	44 7/8	1140	Combo	10/14	X
PB13-0.5-14/18-1140-5P	½ x 0.020	13 x 0.50	44 7/8	1140	Combo	14/18	X

Features

- A unique design for multipurpose and jobshop use that provides hand-held machines with fast cutting, easy feeding, exceptional control, and precision cutting on a variety of materials.
- Perfect for cutting stainless steel, angle iron, bronze, copper, galvanized pipe, mild steel, aluminum, brass, chrome

EASY-CUT BIMETAL PORTABLE BANDSAW BLADES FOR HAND HELD MACHINES

Product Code	Dimensions (inches)	Dimensions (mm)	Length (inches)	Length (mm)	Tooth Type	1 Pack (-1P)	3 Pack (-3P)	100 Pack (-100P)
PBEZ835	½ x .020	13 x .050	32 7/8	835	EZ	X	X	X
PBEZ1140	½ x .020	13 x .050	44 7/8	1140	EZ	X	X	X

Features

- Cut almost anything without changing blades. Ideal for cutting: Sheet Metal Solids, Bundles, Pipe, Channel, Angle Iron, Drill Rods, H Beams, I Beams, Tubing, Wood, Plastics, Tool Steel, Mild Steel, Stainless Steel, Copper, Aluminum and Brass.
- Patented tooth design provides a very versatile blade able to cut all common materials.
- Ideal for cutting different sizes in a wide range of materials.
- Other lengths available
- To order, add pack quantity to end of product code



GENERAL PURPOSE BANDSAW BLADES

Bahco's general purpose bandsaw blades are the perfect choice for a variety of applications. Designed for production and general purpose application sawing.



3849 Flexback – Carbon

Width (Inches)	Thickness (Inches)	Teeth Per Inch - Hook			
		2	3	4	6
¼	0.025			•	•
⅜	0.025		•	•	•
½	0.025		•	•	•
¾	0.032		•		•
1	0.035	•	•		

Features
- For easy to cut non-ferrous materials such as wood, plastics, aluminum, and bronze
- Flexback carbon steel blade.
- Flexible back allows higher band speed

3847 High Hard – Carbon

Width (Inches)	Thickness (Inches)	Teeth Per Inch - Regular					
		6	8	10	14	18	24
¼	0.025			•	•	•	•
⅜	0.025		•	•	•	•	
½	0.025	•		•	•	•	•
¾	0.032	•	•	•	•	•	
1	0.035	•	•	•	•		

Features
- For easy to cut unalloyed steel
- Hardback carbon steel blade.
- Spring tempered back for fast, straight cuts.

Sandflex M42 – Bimetal

Width (Inches)	Thickness (Inches)	Teeth Per Inch - Combo								
		1.4/2	2/3	3/4	4/6	5/8	6/10	8/12	10/14	14/18
½	0.020								•	•
½	0.025						•	•	•	•
½	0.035						•		•	
¾	0.035				•	•	•	•	•	
1	0.035		•	•	•	•	•	•	•	
1 ¼	0.042		•	•	•	•	•			
1 ½	0.050		•	•	•	•	•			
2	0.062	•	•	•	•					

Features
- Perfect for solids, bundles, pipes profiles and castings
- Multi-purpose tooth shapes for a variety of applications
- Designed for production and general purpose application sawing.

3857 Easy-Cut – Bimetal

Width (Inches)	Thickness (Inches)	Width (Inches)	Thickness (Inches)
½	0.025	1	0.035
¾	0.035	1 ¼	0.042

Features
- General purpose sawing in tool rooms, machine shops, maintenance rooms, fabricating shops and welding shops
- Easy cut blades cut almost anything without changing blades.
- Perfect for tool steel, mild steel, stainless steel, aluminum, copper, brass, wood, plastic, tubing, solids, bundles and much more.
- Easy to order: Simply specify blade width and length
- Save time and money by reducing blade inventory, operator labor, and machine down time.



For more information please contact your Snap-on Industrial Brands representative.



PALLET DISMANTLER

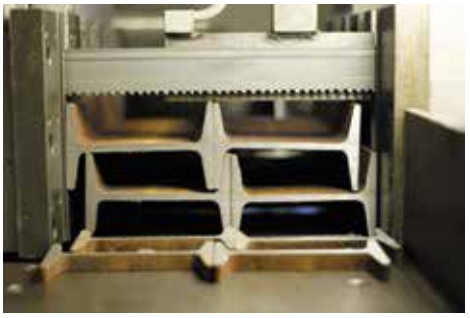
Width (Inches)	Teeth Per Inch
1 ¼ x .042	5/8

Features
- Cuts through nails and staples that are found in pallets
- Stands up to the shock of interrupted cuts in pallets

⚠WARNING

BAHCO

Bahco's bimetal bandsaw blades' high speed steel tooth tips and flexible alloy steel backing material deliver the most cost effective bandsaw blades for metal sawing applications.





PRODUCTION CUTTING BIMETAL BANDSAW BLADES

3853 TOP Fabricator

Width (Inches)	Thickness (Inches)	Teeth Per Inch - Combo 2/3	3/4	4/6	5/8
1	0.035		•	•	•
1 ¼	0.042	•	•	•	•
1 ½	0.050	•	•	•	•
2	0.050		•		•
2	0.062	•	•		
2 ⅝	0.062	•	•		

Features
- Patented tooth design makes the teeth stronger, more resistant to tooth stripping and longer lasting
- M42 bi-metal material offers longer blade life.
- Cuts: Channel, Bundles, Angle Iron, I-Beam, H-Beam, Structural Steel, Square and Round Tubes

3851 Cobra

Width (Inches)	Thickness (Inches)	Teeth Per Inch - Regular: Combo 2/3	3/4	4/6	5/8	6/10	8/12	10/14	14/18	PR Combo .7/1	1.4/2	1/1.4	Hook 3	4	6
¼	0.025 0.035							•	•						•
⅜	0.025 0.035							•						•	•
½	0.020							•	•						
½	0.025				•	•	•	•					•	•	•
½	0.035					•		•					•	•	•
¾	0.035			•	•	•	•	•					•		
1	0.035	•	•	•	•	•	•	•					•		
1 ¼	0.042	•	•	•	•	•									
1 ½	0.050	•	•	•	•						•				
2	0.062	•	•								•	•			
2 ⅝	0.062									•					
3 ⅛	0.062									•	•	•			

Features
- For high productivity cutting of large or small workpieces and contour cutting.
- Specially designed tooth shapes for maximum cutting performance.
- M42 tooth tips offer heat and wear resistance for long blade life.
- Excellent choice for production cutting of the toughest material.

3851 Cobra PSG Ground Tooth Technology

Width (Inches)	Thickness (Inches)	Teeth Per Inch - Combo 1.4/2	2/3	3/4	4/6
1	0.035			•	•
1 ¼	0.042		•	•	•
1 ½	0.050		•	•	
2	0.062	•	•	•	

Features
- Ideal choice for the production cutting of medium to large sections of alloyed and stainless steels
- Smooth surface finish is ensured not only by the latest ground tooth technology but also by the precise set.
- Special combination tooth design and sharp cutting edges allow easy penetration while the M42 tooth tips withstand high heat.

3854 King Cobra PQ, PHG

Width (Inches)	Thickness (Inches)	Teeth Per Inch - Regular: PHG .7/1	1/1.4	1.4/2	2/3	3/4	4/6	Positive Quad (PQ) 1.4/2	2/3	3/4	4/6
1	0.035					•	•			•	•
1 ¼	0.042			•	•	•	•		•	•	•
1 ½	0.050			•	•	•		•	•	•	•
2	0.062	•	•	•	•			•	•	•	•
2 ⅝	0.062	•	•	•				•	•	•	
3 ⅛	0.062							•	•	•	

Features
- For high performance cutting of large and difficult to cut work pieces.
- PHG was developed for cutting harder materials with ground teeth for precise and consistent tooth height.
- PQ patented set levels produce a multi chip cutting profile which reduces cutting forces and improves blade life.

PRODUCTION CUTTING CARBIDE BANDSAW BLADES

Bahco's carbide bandsaw blades are specially designed for the high-efficiency cutting of difficult and abrasive materials, and the high-performance cutting of large and difficult to cut work pieces.

3869 Carbide Triple Set®

Width (Inches)	Thickness (Inches)	Teeth Per Inch 3	4
½	0.035	•	
¾	0.035	•	•
1	0.035	•	•
1 ¼	0.042	•	

Features
- Perfect for aluminum, gates and risers, magnesium, zirconium, beryllium, bronze, copper, abrasive materials and plastics.
- Defects chips away from the machine operator
- Carbide tipped teeth with triple set configuration
- Fast cutting, easy feeding.

3860-Multi Chip Unset Carbide Tipped

Width (Inches)	Thickness (Inches)	Teeth Per Inch - Combo .7/1	1/1.25	1.4/2	2/3
1 ½	0.050			•	
2	0.062		•	•	•
2 ⅝	0.062		•	•	•
3 ⅛	0.062	•	•	•	•

Features
- Performs extremely well cutting Titanium solids and blocks, stainless steels and aluminum.
- Special tooth geometry designed for Titanium applications
- Unset teeth provide a superior surface finish, long life and eliminate secondary operations



3868-Carbide Triple Set® "Xtra"™ TSX

Width (Inches)	Thickness (Inches)	Teeth Per Inch - TSX 2	2/3	3/4	1.6	1.4/2	1/1.25	.7/1
1 ¼	0.042	•	•	•				
1 ½	0.050		•	•	•	•		
2	0.062		•	•	•	•	•	
2 ⅝	0.062		•			•	•	•
3 ⅛	0.062							•

Features
- The teeth of the 3868 are tipped with a special grade of carbide to cut the most difficult materials.
- Carbide is very tough so the edges can withstand the high impact forces of bandsawing without breaking or chipping.
- Carbide is superior to bimetal blades with higher cutting rates, lower cost per cut and extended tool life.



3868-Carbide Triple Set® "Xtra"™ TSS (Triple Set Stainless - Honed)

Width (Inches)	Thickness (Inches)	Teeth Per Inch - TSS .7/1	1/1.25	1.4/2	2/3
1 ¼	0.042				•
1 ½	0.050			•	•
2	0.062		•	•	•
2 ⅝	0.062	•	•	•	•
3 ⅛	0.062	•			

Features
- Patented edge preparation (honed) eliminates the need for break in.
- Reduces vibration and extremely low noise level.
- Designed specifically for production cutting of stainless steels

3881 Carbide Triple Set® THQ (Triple High Quad)

Width (Inches)	Thickness (Inches)	Teeth Per Inch - THS 1/4.2	2/3	1/1.25
1 ¼	0.042		•	
1 ½	0.050	•	•	
2	0.062	•	•	
2 ⅝	0.062	•	•	
3 ⅛	0.062	•	•	•

Features
- Performs extremely well cutting Titanium Alloys, Aerospace Alloys, Stainless Steel, High Nickel Chrome Alloys and Abrasive Tool Steels
- Quad grind enables cutting of scaled surfaces
- Patented set levels improves the chip removal and extends blade life.

3881 Carbide Triple Set® THS (Triple High Quad - Honed)

Width (Inches)	Thickness (Inches)	Teeth Per Inch - THQ .7/1	1/1.25	1.4/2	2/3
1 ½	0.050			•	
2	0.062		•	•	
2 ⅝	0.062		•		•
3 ⅛	0.062	•		•	•

Features
- Performs extremely well cutting Titanium Alloys, Aerospace Alloys, Stainless Steel, High Nickel Chrome Alloys and Abrasive Tool Steels
- Patented edge preparation
- Eliminates breaking in
- Reduces tooth strippage on breakthrough.

WARNING

BAHCO®

HOLESAWS DESIGNED FOR PROFESSIONAL USE

BAHCO® holesaws set a new standard in precision, quality, durability and versatility. So no matter what you're cutting through, we have the holesaws and arbors to tackle the job, time after time.

Every aspect of a BAHCO® holesaw is engineered to improve a worker's productivity and craftsmanship from the design of the cutting edges to the technologies used to produce the holesaws. BAHCO® holesaws fit all standard portable drills and drill presses.



Bi-Metal Holesaws
- Create clean, accurate holes in most machinable materials.
- High speed cutting edge is electron-beam welded to tough alloy back.
- Vertical slots for easy core removal.
- Diameters from 9⁄16" to 6".
- Cutting depth for all diameters is 1½".

Carbide-Tipped Holesaws
- Carbide saws cut clean holes in ceramics, bricks, slate, laminate, fiberglass and hardwood.
- Carbide tips are fusion welded to alloy back.
- Vertical slots for easy core removal.
- Diameters from 9⁄16" to 6".
- Cutting depth for all diameters is 1½".

Superior Holesaws
- SUPERIOR Holesaws are perfect for cutting holes in wood, brick, concrete, plasterboard and hard plastics.
- The holesaws have an extreme cutting depth of 2¾" (71 mm).
- The precision ground carbide tips and superior low friction coating cut smoothly and require less pressure.









BAHCO® Bimetal Holesaw Sets

Assortments of holesaws and accessories most commonly used by the trades, especially electricians and plumbers. Each packed in a durable plastic carrying case for convenience.

7 PIECE HOLESAW SET 862007

Product Code
862007

Includes*:

- Holesaws: ⅞", 1", 1 ⅛", 1 ¼", 1 ½"
- Arbor: 3834-ARBR-730
- Adapter: 3834-ADP
- Fits holesaws ⁹⁄₁₆"-¹³⁄₁₆", 1 ¼"-6"



862007

13 PIECE HOLESAW SET 862013

Product Code
862013

Includes*:

- Holesaws: ¾", ⅞", 1 ⅛", 1 ⅜", 1 ½", 1 ¾", 2", 2 ¼", 2 ½"
- Arbors: 3834-ARBR-730 and 3834-ARBR-1152QC
- Fits holesaws ⁹⁄₁₆"-1 ³⁄₁₆", 1 ¼"-6"
- Adapter: 3834-ADP
- Pilot Drill: 3834-DRL-1



862013

17 PIECE HOLESAW SET 862017

Product Code
862017

Includes*:

- Holesaws: ⅝", ¾", ⅞", 1", 1 ⅛", 1 ¼", 1 ⅜", 1 ½", 1 ¾", 2", 2 ½", 3"
- Arbors: 3834-ARBR-730 and 3834-ARBR-11152QC
- Fits holesaws ⁹⁄₁₆"-¹³⁄₁₆", 1 ¼"-6"
- Adapter: 3834-ADP
- Pilot Drill: 3834-DRL-1 (3 pcs)



862017

21 PIECE HOLESAW SET 862021

Product Code
862021

Includes*:

- Holesaws: ¾", ⅞", 1", 1 ⅛", 1 ⅜", 1 ½", 1 ¾", 2", 2 ¼", 2 ½", 3", 3 ¼", 3 ⅝", 3 ¾", 4 ⅛", 4 ¾"
- Arbors: 3834-ARBR-1130 and 3834-ARBR-11152QC
- Fits holesaws ⁹⁄₁₆"-¹³⁄₁₆", 1 ¼"-6"
- Pilot Drill: 3834-DRL-1 (3 pcs)



862021

⚠WARNING

Plumber's Holesaw Set

The sizes that plumbers need most, with the cutting power that produces faster, cleaner holes.



862209

BAHCO

9 PIECE HOLESAW SET 862209

Product Code
862209

Includes*:

- Holesaws: ¾", ⅞", 1 ⅛", 1 ½", 1 ¾", 2 ¼"
- Arbors: 3834-ARBR-730 and 3834-ARBR-1152QC
- Fits holesaws 9/16"-13/16", 1 ¼"-6"
- Extension: 3834-EXT-1

Electrician's Holesaw Set

The holesaws electrician's use every day. Offering superior performance and convenience.



862109

BAHCO

9 PIECE HOLESAW SET 862109

Product Code
862109

Includes*:

- Holesaws: ⅞", 1 ⅛", 1 ⅜", 1 ¾", 2", 2 ½"
- Arbors: 3834-ARBR-730 and 3834-ARBR-1152QC
- Fits holesaws 9/16"-13/16", 1 ¼"-6"
- Extension: 3834-EXT-1

Carbide Tipped Holesaw Sets

For the professional who works with a wide variety of non-metallic surfaces, this set will cut through anything from hardwood to bricks.



863307

BAHCO

7 PIECE HOLESAW SET 863307

Product Code
863307

Includes*:

- Holesaws: ⅞", 1", 1 ⅛", 1 ¼", 1 ½"
- Arbor: 3834-ARBR-730
- Fits holesaws 9/16"-13/16"
- Adapter: 3834-ADP



863313

BAHCO

13 PIECE HOLESAW SET 863313

Product Code
863313

Includes*:

- Holesaws: ¾", ⅞", 1 ⅛", 1 ⅜", 1 ½", 1 ¾", 2", 2 ¼", 2 ½"
- Arbors: 3834-ARBR-730 and 3834-ARBR-1152QC
- Adapter: 3834-ADP
- Pilot Drill: 3834-DRL-1

* Sets come with plastic carrying case.

SUPERIOR™ HOLESAWS

3/4" (19mm) to 6-17/64" (159mm)

The Superior holesaw from Bahco is perfect for making holes in wood, including manufactured wooden materials like MDF, as well as brick, lightweight concrete, plasterboard and hard plastics. The holesaws have an extreme cutting depth of 2-3/4" (71mm) which allows the user to go through many materials such as studs in one cut! The precision ground carbide tips and the superior low friction coating cut smoothly and require less pressure. The multi construction assortment offers a wide range of sizes and is a perfect match with the Quick-eject arbor.



3834-ARBR-930



3834-ARBR-9100



3834-DRL-EL



3834-DRL-ES



3834-DRL-L

For Superior™ holesaw in combination with standard arbor.

QUICK EJECT ARBOR

Product Code	Fits Holesaws	Drill
3834-ARBR-930ES	Bimetal up to 30 mm	3834-DRL-ES
3834-ARBR-930EL	Superior up to 30 mm	3834-DRL-EL
3834-ARBR-9100ES	Bimetal 32 mm and larger	3834-DRL-ES
3834-ARBR-9100EL	Superior 32 mm and larger	3834-DRL-EL

Features

- Allows the user to save time by releasing the core from the holesaw in one simple, fast and efficient operation without burning your fingers on a hot holesaw or release adapter.
- Quick eject arbors provides stable drilling in challenging environments.
- Arbor comes with a solid round carbide tipped drill and there is no need to change the drill between applications.

10 PIECE SUPERIOR HOLESAW SET

3833-SET-101

Product Code
3833-SET-101

Includes:

- Superior Holesaw: 3/4, 7/8, 1 1/8, 1 3/8, 1 3/4, 2, 2 1/2
- Arbors: 3834-ARBR-930EL, 3834-ARBR-9100EL
- Pilot Drill: 3834-DRL-EL



3833-SET-101

13 PIECE SUPERIOR HOLESAW SET

3833-SET-201

Product Code
3833-SET-201

Includes:

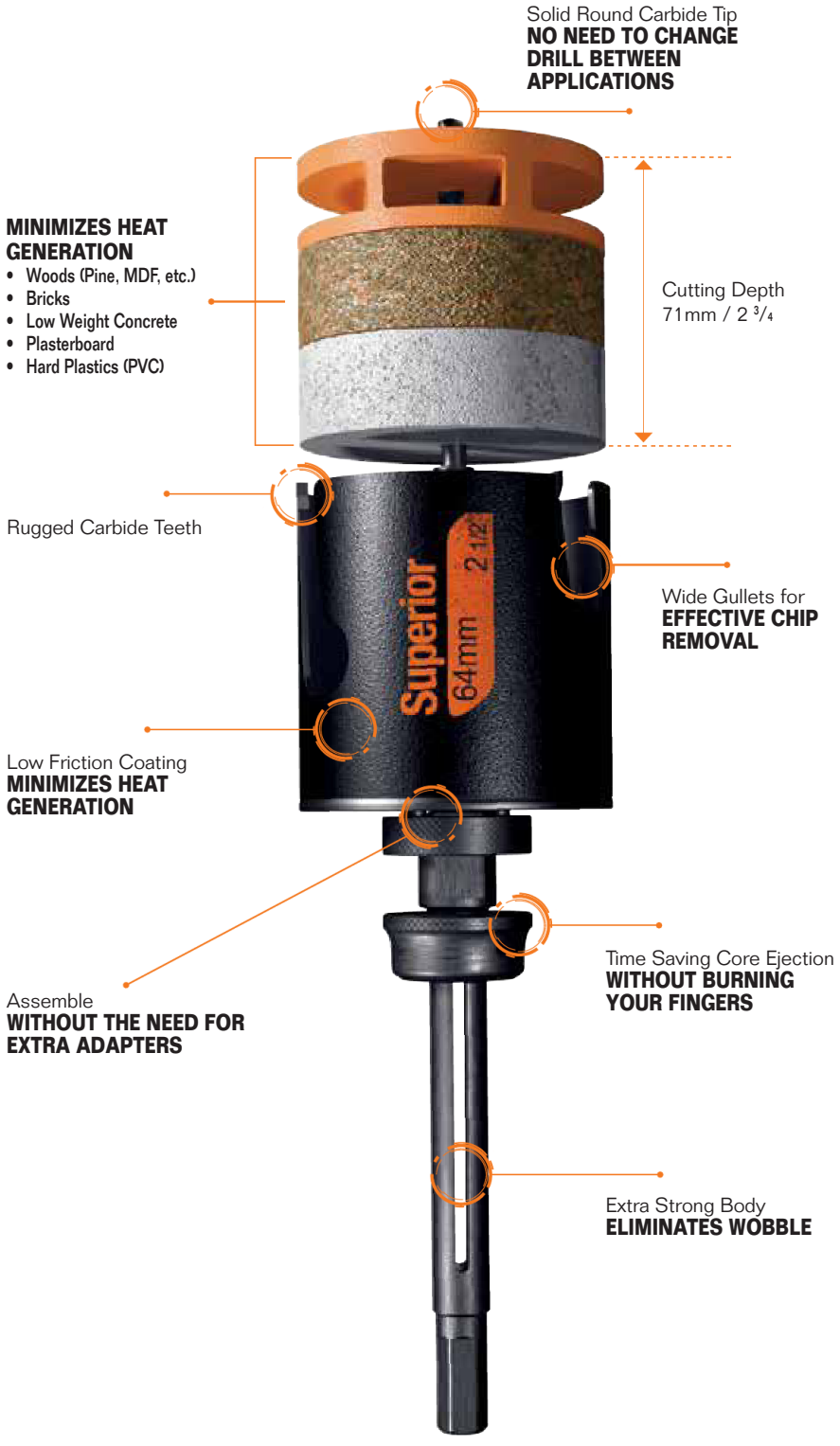
- Superior Holesaw: 3/4, 25/32, 1, 1 1/4, 1 5/8, 2, 2 7/8, 3, 3 1/4, 3 3/8
- Arbors: 3834-ARBR-930EL, 3834-ARBR-9100EL
- Pilot Drill: 3834-DRL-EL



3833-SET-201

WARNING

SUPERIOR™ HOLESAWS FEATURES & BENEFITS



BAHCO

SUPERIOR HOLESAWS

Product Code	Diameter (inch)	Diameter (mm)
3833-19-C	3/4	19
3833-20-C	25/32	20
3833-22-C	7/8	22
3833-25-C	1	25
3833-27-C	1 1/16	27
3833-29-C	1 1/8	29
3833-30-C	1 3/16	30
3833-32-C	1 1/4	32
3833-35-C	1 3/8	35
3833-38-C	1 1/2	38
3833-40-C	1 9/16	40
3833-41-C	1 5/8	41
3833-44-C	1 3/4	44
3833-48-C	1 7/8	48
3833-51-C	2	51
3833-54-C	2 1/8	54
3833-57-C	2 1/4	57
3833-60-C	2 3/8	60
3833-64-C	2 1/2	64
3833-65-C	2 9/16	65
3833-67-C	2 5/8	67
3833-68-C	2 11/16	68
3833-70-C	2 3/4	70
3833-73-C	2 7/8	73
3833-76-C	3	76
3833-77-C	3 1/32	77
3833-79-C	3 1/8	79
3833-83-C	3 1/4	83
3833-86-C	3 3/8	86
3833-89-C	3 1/2	89
3833-92-C	3 5/8	92
3833-95-C	3 3/4	95
3833-98-C	3 7/8	98
3833-102-C	4	102
3833-105-C	4 1/8	105
3833-108-C	4 1/4	108
3833-109-C	4 19/64	109
3833-111-C	4 3/8	111
3833-114-C	4 1/2	114
3833-121-C	4 3/4	121
3833-127-C	5	127
3833-140-C	5 1/2	140
3833-152-C	6	152
3833-159-C	6 17/64	159

- SUPERIOR Holesaws are perfect for cutting holes in wood, brick, concrete, plasterboard and hard plastics.
- The holesaws have an extreme cutting depth of 2 3/4" (71mm).
- The precision ground carbide tips and superior low friction coating cut smoothly and require less pressure.

CARBIDE-TIPPED HOLESAW

Product Code	Diameter (inch)	(mm)
Individual Pack		
3832-14	9/16	14
3832-16	5/8	16
3832-17	11/16	17
3832-19	3/4	19
3832-20	25/32	20
3832-21	13/16	21
3832-22	7/8	22
3832-24	15/16	24
3832-25	1	25
3832-27	1 1/16	27
3832-29	1 1/8	29
3832-30	1 3/16	30
3832-32	1 1/4	32
3832-33	1 5/16	33
3832-35	1 3/8	35
3832-37	1 7/8	37
3832-38	1 1/2	38
3832-40	1 9/16	40
3832-41	1 5/8	41
3832-43	1 11/16	43
3832-44	1 3/4	44
3832-46	1 13/16	46
3832-48	1 7/8	48
3832-51	2	51
3832-52	2 1/16	52
3832-54	2 1/8	54
3832-56	2 3/16	56
3832-57	2 1/4	57
3832-59	2 5/16	59
3832-60	2 3/8	60
3832-64	2 1/2	64
3832-65	2 9/16	65
3832-67	2 5/8	67
3832-68	2 11/16	68
3832-70	2 3/4	70
3832-73	2 7/8	73
3832-76	3	76
3832-79	3 1/8	79
3832-83	3 1/4	83
3832-86	3 3/8	86
3832-89	3 1/2	89
3832-92	3 5/8	92
3832-95	3 3/4	95
3832-98	3 7/8	98
3832-102	4	102
3832-105	4 1/8	105
3832-108	4 1/4	108
3832-111	4 3/8	111
3832-114	4 1/2	114
3832-121	4 3/4	121
3832-127	5	127
3832-133	5 1/4	133
3832-140	5 1/2	140
3832-146	5 3/4	146
3832-152	6	152

Carbide-Tipped Holesaws

BAHCO® carbide holesaws are designed to quickly and cleanly cut precise holes in ceramics, bricks, slate, laminate, fiberglass and hardwood.

Features:

- BAHCO® carbide holesaws are designed to quickly and cleanly cut precise holes in ceramics, bricks, slate, laminate, fiberglass and hardwood.
- With 4 precision ground carbide tips per inch — fusion-welded to an alloy steel back — these holesaws provide an impressive combination of strength, cutting power and durability.
- Equipped with vertical slots for easy core removal, carbide-tipped holesaws are available in diameters from 9/10" to 6"; cutting depth for all holesaws is 1 ½".





⚠WARNING

Bi-Metal Holesaws

BAHCO® was the first to create a successful bi-metal blade that combines a flexible, shatter-resistant spring steel back with a high speed steel cutting edge to provide faster, more durable cutting power. With the latest generation of bi-metal holesaws, we take the technology even further.

- The cutting edge (with 4 to 6 teeth per inch) is electron beam-welded to a tough alloy back, and then the teeth are precision ground to further increase cutting efficiency.
- The result is a holesaw that can cut clean, accurate holes in virtually any machinable material.
- Vertical slots allow easy core removal.





BAHCO®

BI-METAL HOLESAW

Product Code	Diameter (inch)	Diameter (mm)
Individual Pack		
3830-14-VIP	9/16	14
3830-16-VIP	5/8	16
3830-17-VIP	11/16	17
3830-19-VIP	3/4	19
3830-20-VIP	25/32	20
3830-21-VIP	13/16	21
3830-22-VIP	7/8	22
3830-24-VIP	15/16	24
3830-25-VIP	1	25
3830-27-VIP	1 1/16	27
3830-29-VIP	1 1/8	29
3830-30-VIP	1 3/16	30
3830-32-VIP	1 1/4	32
3830-33-VIP	1 5/16	33
3830-35-VIP	1 3/8	35
3830-37-VIP	1 7/16	37
3830-38-VIP	1 1/2	38
3830-40-VIP	1 9/16	40
3830-41-VIP	1 5/8	41
3830-43-VIP	1 11/16	43
3830-44-VIP	1 3/4	44
3830-46-VIP	1 13/16	46
3830-48-VIP	1 7/8	48
3830-51-VIP	2	51
3830-52-VIP	2 1/16	52
3830-54-VIP	2 1/8	54
3830-56-VIP	2 3/16	56
3830-57-VIP	2 1/4	57
3830-59-VIP	2 5/16	59
3830-60-VIP	2 3/8	60
3830-64-VIP	2 1/2	64
3830-65-VIP	2 9/16	65
3830-67-VIP	2 5/8	67
3830-68-VIP	2 11/16	68
3830-70-VIP	2 3/4	70
3830-73-VIP	2 7/8	73
3830-76-VIP	3	76
3830-79-VIP	3 1/8	79
3830-83-VIP	3 1/4	83
3830-86-VIP	3 3/8	86
3830-89-VIP	3 1/2	89
3830-92-VIP	3 5/8	92
3830-95-VIP	3 3/4	95
3830-98-VIP	3 7/8	98
3830-102-VIP	4	102
3830-105-VIP	4 1/8	105
3830-108-VIP	4 1/4	108
3830-111-VIP	4 3/8	111
3830-114-VIP	4 1/2	114
3830-121-VIP	4 3/4	121
3830-127-VIP	5	127
3830-133-VIP	5 1/4	133
3830-140-VIP	5 1/2	140
3830-146-VIP	5 3/4	146
3830-152-VIP	6	152

ARBORS 3834-ARBR

Product Code	Diameter (inch)	Diameter (mm)
Fits Holesaws 9/16" – 1 3/16", 14 – 30mm, Industrial Box		
3834-ARBR-630	1/4 HEX	6.4mm HEX
3834-ARBR-730	9/32 TRI	7mm TRI
3834-ARBR-930	11/32 HEX	8.5mm HEX
3834-ARBR-1130	7/16 HEX	11.1mm HEX
3834-ARBR-SD30	SDS	SDS

Product Code	Diameter (inch)	Diameter (mm)
Fits Holesaws 1 1/4" – 6", 32 – 152mm, Industrial Box		
3834-ARBR-11152	7/16 HEX	11.1mm HEX
3834-ARBR-11152QC	7/16 HEX	11.1mm HEX
3834-ARBR-16152QC	5/8 HEX	11.1mm HEX
3834-ARBR-SD152QC	SDS	SDS

Product Code	Diameter (inch)	Diameter (mm)
Fits Holesaws 1 1/4" – 6", 32 – 100mm, Industrial Box		
3834-ARBR-9100	11/32 HEX	8.5mm HEX
3834-ARBR-9100QC	11/32 HEX	8.5mm HEX

All arbors are hardened for maximum strength. Large arbors, for holesaws 1-1/4" – 6", have drive pins to transfer large cutting force from the holesaw to the power unit. Pilot drill is included.



3834-ARBR

ARBOR EXTENSION — 3834-EXT

Product Code	Diameter (inch)	Diameter (mm)	Length (inch)	Length (mm)
Fits Arbors -1130, -11152QC				
3834-EXT-1	7/16	6.4mm HEX	12	300mm



3534-EXT-1

PILOT DRILLS 3834-DRL

Product Code	Diameter (inch)	Diameter (mm)	Length (inch)	Length (mm)
Fits Arbors -730, -930,-1130, -9100QC, 11152QC, -16152QC				
3834-DRL	1/4	6.40mm	3.31	84mm
Fits Arbors -730, -930,-1130, -9100QC, -11152QC, -16152QC				
3834-DRL-CT	1/4	6.40mm	3.31	84mm
For Superior Holesaw in Combination with Standard Arbor				
3834-DRL-L	1/4	6.35mm	4 17/32	115mm

The HSS pilot drill (3834-DRL) and the carbide-tipped pilot drill (3834-DRL-CT) make a hole before the teeth of the holesaw become engaged, building and keeping the holesaw in the correct position.



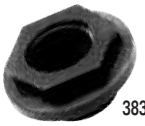
3834-DRL-CT

3834-DRL

ARBOR ADAPTER 3834-ADP

Product Code
Fits Arbors -730, -930, -1130
3834-ADP

Adapts small arbor thread (1/2"-20 UNF) to accommodate large holesaw thread (5/8"-28 UNF).



3834-ADP

EJECTOR SPRING 3834-ES

Product Code
Fits Pilot Drill 3834-DRL
3834-ES

For pilot drills, to facilitate core removal.



3834-ES

⚠WARNING

BAHCO®

Choosing the Right Reciprocating Blade

How to select the perfect blade for the job from a comprehensive line of professional grade reciprocating sawblades.

Teeth Per Inch (TPI)	Material Thickness (inch)	(mm)
24 TPI	0 – 1/8	0 – 3mm
18 TPI	1/8 – 1/4	3 – 6mm
14 TPI	1/8 – 3/8	3 – 10mm
10 TPI	3/16 – 5/8	5 – 15mm
8/12 TPI	1/8 – 3/8	3 – 10mm
6 TPI	3/16 – 1	5 – 25mm
5/8 TPI	3/16 – 1	5 – 25mm
4/6 TPI	3/16 – 1	5 – 25mm
UST	3/16 – 1	5 – 25mm
DSL	3/16 – 1	5 – 25mm
Grit	1/8 – 3/8	3 – 10mm

Step 1: Determine the right toothing.

BAHCO® reciprocating sawblades feature aggressive, precision-ground teeth. In addition, many bi-metal blades feature variable teeth spacing. It all adds up to unbeatable sawing performance and versatility. Material type and thickness determine which toothing pattern and TPI will work best.



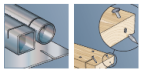
Step 2: Choose the right blade.

Recommended sawblade types for different materials and applications.

Carbon
3842-series



Bi-Metal
3840-series



Bi-Metal
3840-demolition



Carbide Grit
3846-series



Carbide Teeth
3846-series



Step 3: Identify the BAHCO® reciprocating sawblade.

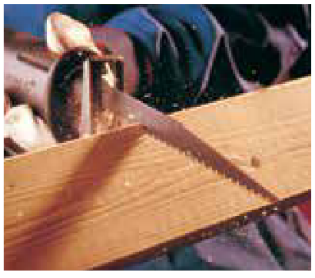
Here's how to read product codes for BAHCO® reciprocating sawblades.

Example: 3840 - 150 - 14 - ST - 5P

- 5P — Packaging Quantity: 1, 2, 5, 100
- ST — Blade Shape: ST = Standard; UST = U-shank; SL = Slope; SC = Scroll
- 14 — Teeth Per Inch (TPI)
- 150 — Blade Length in mm
- 3840 — Blade









STANDARD BI-METAL BLADE

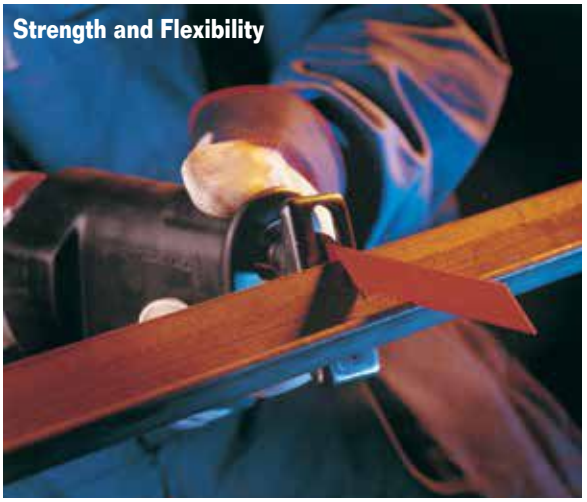
Product Code	Blade-length (inch)	Blade-length (mm)	Blade-thickness (inch)	Blade-thickness (mm)	Teeth per inch
Self Service Package, 5 Per Pack					
3840-100-14-ST-5P	4	100	0.035	0.9	14
3840-100-18-ST-5P	4	100	0.035	0.9	18
3840-100-24-ST-5P	4	100	0.035	0.9	24
3840-150-6-ST-5P	6	150	0.050	1.3	6
3840-150-8/12-ST-5P	6	150	0.350	0.9	8/12
3840-150-10-ST-5P	6	150	0.035	0.9	10
3840-150-14-ST-5P	6	150	0.035	0.9	14
3840-150-18-ST-5P	6	150	0.035	0.9	18
3840-150-24-ST-5P	6	150	0.035	0.9	24
3840-228-8/12-ST-5P	9	228	0.050	1.3	8/12
3840-228-10-ST-5P	9	228	0.035	0.9	10
3840-228-14-ST-5P	9	228	0.035	0.9	14
3840-228-18-ST-5P	9	228	0.035	0.9	18
3840-300-14-ST-5P	12	300	0.035	0.9	14
3840-300-18-ST-5P	12	300	0.035	0.9	18
Industrial Package, 10 Per Pack					
3840-100-14-ST-10P	4	100	0.035	0.9	14
3840-100-18-ST-10P	4	100	0.035	0.9	18
3840-100-24-ST-10P	4	100	0.035	0.9	24
3840-150-6-ST-10P	6	150	0.050	1.3	6
3840-150-8/12-ST-10P	6	150	0.035	0.9	8/12
3840-150-10-ST-10P	6	150	0.035	0.9	10
3840-150-14-ST-10P	6	150	0.035	0.9	14
3840-150-18-ST-10P	6	150	0.035	0.9	18
3840-150-24-ST-10P	6	150	0.035	0.9	24
3840-228-8/12-ST-10P	9	228	0.050	1.3	8/12
3840-228-10-ST-10P	9	228	0.035	0.9	10
3840-228-14-ST-10P	9	228	0.035	0.9	14
3840-228-18-ST-10P	9	228	0.035	0.9	18
3840-300-14-ST-10P	12	300	0.035	0.9	14
3840-300-18-ST-10P	12	300	0.035	0.9	18
Industrial Package, 100 Per Pack					
3840-150-8/12-ST-100P	6	150	0.035	0.9	8/12
3840-150-10-ST-100P	6	150	0.035	0.9	10
3840-150-14-ST-100P	6	150	0.035	0.9	14
3840-150-18-ST-100P	6	150	0.035	0.9	18
3840-150-24-ST-100P	6	150	0.035	0.9	24
3840-228-8/12-ST-100P	9	228	0.050	1.3	8/12
3840-228-10-ST-100P	9	228	0.035	0.9	10
3840-228-14-ST-100P	9	228	0.035	0.9	14
3840-228-18-ST-100P	9	228	0.035	0.9	18
3840-300-14-ST-100P	12	300	0.035	0.9	14
3840-300-18-ST-100P	12	300	0.035	0.9	18

For straight and quick cutting of metal, plastic, laminates and wood with nails.

Bi-Metal Blades

Precision-ground teeth give you unbeatable cutting power, along with greater control, speed and precision.

BAHCO® bi-metal blades are the perfect combination of strength and flexibility. Blades feature powerful teeth of hardened, high-speed steel which are electron beam-welded onto a spring steel backing.



Blade configurations include universal toothing for straight and rapid cutting of wood, metal, plastic, and wood with nails, blades for contour sawing, and blades with variable tooth spacing.



Informative Packaging



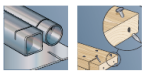
Self-Service Packaging



Industrial Packaging



WARNING

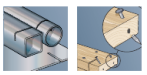




SLOPE BI-METAL BLADES

Product Code	Blade-length (inch)	Blade-length (mm)	Blade-thickness (inch)	Blade-thickness (mm)	Teeth per inch
Self Service Package, 5 Per Pack					
3840-150-5/8-SL-5P	6	150	0.050	1.3	5/8
3840-228-6-SL-5P	6	228	0.050	1.3	6
3840-300-6-SL-5P	9	300	0.050	1.3	6
3840-300-8/12-SL-5P	12	300	0.050	1.3	8/12
Industrial Package, 10 Per Pack					
3840-150-5/8-SL-10P	6	150	0.050	1.3	5/8
3840-228-6-SL-10P	9	228	0.050	1.3	6
3840-300-6-SL-10P	12	300	0.050	1.3	6
3840-300-8/12-SL-10P	2	300	0.050	1.3	8/12
Industrial Package, 100 Per Pack					
3840-150-5/8-SL-100p	6	150	0.050	1.3	5/8

- For all-round cutting of metal, plastic, laminates and wood with nails.

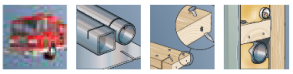




SCROLL BI-METAL BLADES

Product Code	Blade-length (inch)	Blade-length (mm)	Blade-thickness (inch)	Blade-thickness (mm)	Teeth per inch
Self Service Package, 5 Per Pack					
3840-100-14-SC-5P	4	100	0.035	0.9	14
3840-100-18-SC-5P	4	100	0.035	0.9	18
3840-150-4/6-SC-5P	6	150	0.050	1.3	4/6
Industrial Package, 10 Per Pack					
3840-150-4/6-SC-10P	6	150	0.050	1.3	4/6

- For all-round cutting of metal, plastic, laminates and wood with nails.





DEMOLITION/FIRE & RESCUE BI-METAL BLADES

Product Code	Blade-length (inch)	Blade-length (mm)	Blade-thickness (inch)	Blade-thickness (mm)	Teeth per inch
Self Service Package, 5 Per Pack					
3840-150-5/8-DSL-5P	6	150	0.062	1.6	5/8
3840-228-5/8-DSL-5P	9	228	0.062	1.6	5/8
3840-300-5/8-DSL-5P	12	300	0.062	1.6	5/8
3840-228-10-DSL-5P	9	228	0.062	1.6	10/14
Industrial Package, 10 Per Pack					
3840-150-5/8-DSL-10P	6	150	0.062	1.6	5/8
3840-228-5/8-DSL-10P	9	228	0.062	1.6	5/8
3840-300-5/8-DSL-10P	12	300	0.062	1.6	5/8
3840-228-10-DSL-10P	9	228	0.062	1.6	10/14

- Extra heavy-duty bi-metal blade with coarse teeth for building and demolition work
- Blade thickness is increased 0.062" (1.6 mm) for greater strength – making this blade ideal for cutting any building material – even heavy wood with large-dimension nails.
- Designed for use by emergency services.

LOW FRICTION WOOD CUTTING BLADES

Product Code	Blade-length (inch)	Blade-length (mm)	Blade-thickness (inch)	Blade-thickness (mm)	Teeth per inch
Self Service Package, 5 Per Pack					
3842-150-7-SL-5P	6	150	0.040	1.0	7
3842-228-7-SL-5P	9	228	0.040	1.0	7
3842-300-7-SL-5P	12	300	0.040	1.0	7
Industrial Package, 10 Per Pack					
3842-150-7-SL-10P	6	150	0.040	1.0	7
3842-228-7-SL-10P	9	228	0.040	1.0	7
3842-300-7-SL-10P	12	300	0.040	1.0	7



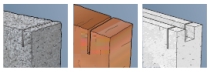


Not for wood with nails.

- Blades with special teeth for general wood cutting. The teeth allows faster cross cutting and ripping compared to traditional blades. Low friction blade coating minimizes friction to further increase cutting speed and ease.

CARBIDE TIPPED BLADE

Product Code	Blade-length (inch)	Blade-length (mm)	Blade-thickness (inch)	Blade-thickness (mm)	Teeth per inch
Self Service Package, 1 Per Pack					
3846-150-6-SL-1P	6	150	0.035	0.9	6
3846-228-3-ST-1P	9	228	0.050	1.3	3
3846-300-3-ST-1P	12	300	0.062	1.5	3
3846-300-6-ST-1P	12	300	0.035	0.9	6







- Blade with carbide tipped teeth for cutting bricks, porous concrete, fiberglass, plastic laminates, cement board, plywood, cast aluminum, rubber and hardwoods.
- Designed for cutting extremely hard materials. These are the blades to use in demanding building and industrial applications.

CARBIDE GRIT BLADE

Product Code	Blade-length (inch)	Blade-length (mm)	Blade-thickness (inch)	Blade-thickness (mm)
Self Service Package, 2 Per Pack				
3846-100-G-ST-2P	4	100	0.035	0.9
3846-150-G-ST-2P	6	150	0.035	0.9





- Blade with carbide grit cutting edge, designed for precision cutting of extremely hard materials: glass, glazed tiles, ceramics, fiberglass, cast iron, clay pipe, stone, bricks, plaster and marble.

WARNING



BI-METAL HEAVY DUTY METAL CUTTING BLADES

Product Code	Blade-length (inch)	Blade-length (mm)	Blade-thickness (inch)	Blade-thickness (mm)	Blade-width (inch)	Blade-width (mm)	Teeth per inch
Self Service Package, 5 Per Pack							
3840-150-10-HST-5P	6	150	0.042	1.07	1	25	10
3840-150-14-HST-5P	6	150	0.042	1.07	1	25	14
3840-150-18-HST-5P	6	150	0.042	1.07	1	25	18
3840-228-10-HST-5P	9	228	0.042	1.07	1	25	10
3840-228-14-HST-5P	9	228	0.042	1.07	1	25	14
3840-228-18-HST-5P	9	228	0.042	1.07	1	25	18
3840-300-10-HST-5P	12	300	0.042	1.07	1	25	10
3840-300-14-HST-5P	12	300	0.042	1.07	1	25	14
3840-300-18-HST-5P	12	300	0.042	1.07	1	25	18
Industrial Package, 10 per Pack							
3840-150-10-HST-10P	6	150	0.042	1.07	1	25	10
3840-150-14-HST-10P	6	150	0.042	1.07	1	25	14
3840-150-18-HST-10P	6	150	0.042	1.07	1	25	18
3840-228-10-HST-10P	9	228	0.042	1.07	1	25	10
3840-228-14-HST-10P	9	228	0.042	1.07	1	25	14
3840-228-18-HST-10P	9	228	0.042	1.07	1	25	18
3840-300-10-HST-10P	12	300	0.042	1.07	1	25	10
3840-300-14-HST-10P	12	300	0.042	1.07	1	25	14
3840-300-18-HST-10P	12	300	0.042	1.07	1	25	18

- Designed for extreme metal cutting. A thicker blade and wider body makes the blade more rigid and has a higher resistance to fracturing and bending, allowing straighter cuts.



BI-METAL PALLET CUTTING BLADE

Product Code	Blade-length (inch)	Blade-length (mm)	Blade-thickness (inch)	Blade-thickness (mm)	Teeth per inch
Industrial Package, 10 per pack					
3840-228-10/14-PR09-10P	9	228	0.035	0.9	10/14
3840-228-10/14-PR13-10P	9	228	0.050	1.3	10/14
Industrial Package, 100 per pack					
3840-228-10/14-PR09-100P	9	228	0.035	0.9	10/14
3840-228-10/14-PR13-100P	12	228	0.050	1.3	10/14

- Designed for pallet repair shops. Unique V-shape front design prevents the blade from jamming in the wood when cutting nails in damaged parts of the pallet.



BI-METAL CAR BODY SAW BLADES

Product Code	Blades per Package	Length (inch)	Teeth per inch	Material Thickness Capacity (Inches)
3845-18-10P	10	3 ½	18	Over 0.20
3845-18-100P – Bulk	100	3 ½	18	Over 0.20
3845-24-10P	10	3 ½	24	0.08 to 0.20
3845-24-100P – Bulk	100	3 ½	24	0.08 to 0.20
3845-32-10P	10	3 ½	32	0 to 0.08
3845-32-100P – Bulk	100	3 ½	32	0 to 0.08

- Car-body saw blades for pneumatic or electric reciprocating body shop saws. Mainly used in automotive bodyshops. Bulk packed for heavy usage applications.



10 Piece Set
RECIP-SET-10

BI-METAL RECIPROCATING SAWBLADE SET

Product Code
RECIP-SET-10

Includes:

3840-100-6-ST	3840-100-10-SC
3840-100-18-SC	3840-100-24-ST
3840-150-5/8-SL	3840-150-10-ST
3840-150-14-ST	3840-150-18-ST
3840-150-24-ST	3842-150-7-SL

- These sets contain the most commonly used BAHCO® reciprocating sawblades, so they're perfect choices to meet a wide range of all-around applications.

SPADE BITS

Fast Wood Boring

Product Code	Diameter (Inch)	Product Code	Diameter (Inch)
9529-1/4	1/4	9529-13/16	13/16
9529-3/8	3/8	9529-7/8	7/8
9529-7/16	7/16	9529-15/16	15/16
9529-1/2	1/2	9529-1	1
9529-9/16	9/16	9529-1-1/8	1 1/8
9529-5/8	5/8	9529-1-1/4	1 1/4
9529-11/16	11/16	9529-1-3/8	1 3/8
9529-3/4	3/4	9529-1-1/2	1 1/2
9529-Set - 9 Piece Set		1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	

Features

- Positive cutting angle for faster and cleaner drilling.
- Hardened blades made from high-carbon steel.



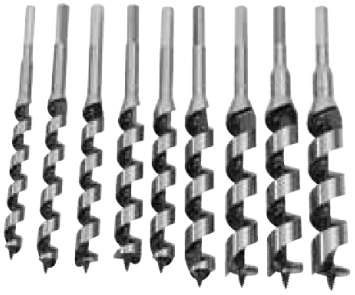
9529-SET

AUGER BITS - SHORT - LONG

Sharp and Long Life

Short

Product Code	Diameter (Inch)	Product Code	Diameter (Inch)
9526-3/8	3/8	9526-13/16	13/16
9526-7/16	7/16	9526-7/8	7/8
9526-1/2	1/2	9526-15/16	15/16
9526-9/16	9/16	9526-1	1
9526-5/8	5/8	9526-1-1/8	1 1/8
9526-11/16	11/16	9526-1-1/4	1 1/4
9526-3/4	3/4	9526-1-3/8	1 3/8
		9526-1-1/2	1 1/2
9526-SH-Set - 9 Piece Set		1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	



9526-SH-SET

Long

Product Code	Diameter (Inch)	Product Code	Diameter (Inch)
9527-3/8	3/8	9527-13/16	13/16
9527-7/16	7/16	9527-7/8	7/8
9527-1/2	1/2	9527-15/16	15/16
9526-9/16	9/16	9527-1	1
9527-5/8	5/8	9527-1-1/8	1 1/8
9527-11/16	11/16	9527-1-1/4	1 1/4
9527-3/4	3/4	9527-1-3/8	1 3/8
		9527-1-1/2	1 1/2
9527-LG-Set - 9 Piece Set		1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	



9527-LG-SET

Features

- Overall length 16", twist length 12.
- Heavy duty cutting edge.
- Tip is self-tapping which makes drilling easier.
- Hollow center flutes allow the chips out of the hole easier allowing for a cleaner cut.
- Hex shank prevents slipping in chuck.

WIRE BRUSH

Product Code	Description
782-U	Wire brush

Features

- General purpose utility wire brush for cleaning off durt, rust, paint etc....



782-U

WARNING



1-476-04-3-2

BAHCO

6 PIECE ENGINEERING FILE SET 1-476-04-3-2

With Bi-Molded ERGO® Handle - Contents Include:

Description	Length (Inch)	Type of Cut
Hand Smooth	4	Smooth
Warding Smooth	4	Smooth
Square Smooth	4	Smooth
Three Square Smooth	4	Smooth
Half Round Smooth	4	Smooth
Round Smooth	4	Smooth

Features

- Files are smooth, double cut and designed for the fine filing and polishing applications.
- Supplied with pouch.



1-478-08-1-2

BAHCO

5 PIECE ENGINEERING FILE SET 1-478-08-1-2

With Bi-Molded ERGO® Handle - Contents Include:

Description	Length (Inch)	Type of Cut
Hand Bastard	8	Bastard
Hand Second	8	Second
Square Bastard	8	Bastard
Half Round Bastard	8	Bastard
Round Bastard	8	Bastard

Features

- Files are coarse, double cut and designed for high removal rate.
- Supplied with pouch.



1-473-06-2-2

BAHCO

3 PIECE ENGINEERING FILE SET 1-473-06-2-2

With Bi-Molded ERGO® Handle - Contents Include:

Description	Length (Inch)	Type of Cut
Hand Second	8	Second
Half Round Second	8	Second
Round Second	8	Second

Features

- Files are medium coarse, double cut and designed for high removal rate.
- Supplied with pouch.

NEEDLE FILE SETS

Product Code	# of Pieces	Length (Inch)	Teeth Per Inch (TPI)	Type of Cut
2-472-14-2-0	12	5 ½	97	Smooth
2-472-16-0-0	12	6 ¼	64	Bastard
2-472-16-1-0	12	6 ¼	79	Second
2-472-16-2-0	12	6 ¼	97	Smooth
2-471-16-1-0	9	6 ¼	79	Second
2-470-14-2-0	6	5 ½	97	Smooth
2-470-14-4-0	6	5 ½	142	Dead Smooth
2-470-16-1-0	6	6 ¼	79	Second

Features

- Files in snap shut plastic wallet with hanging hole.
- Includes one handle 9-488-02-10.
- 12 Piece contains one file each of: hand, flat, three square, square, half round, crossing, round, knife, barrette, slitting, round-edge joint and marking.
- 9 Piece contains one file each of: hand, flat, half round, round, three square, square, oval, crossing, knife
- 6 Piece contains one file each of: hand, flat, half round, round, three square and square



HOMEOWNER'S FILE - SET 4-154-08-2-2

With Bi-Molded ERGO® Handle

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Type of Cut
4-154-08-2-2	8	1	5/32	Bastard + Second



Features

- Set contains one 4-152 Homeowner's file for wood and one 4-153 Homeowner's file for metal.



4-154-08-2-2

⚠WARNING

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MILL FILE (USA TYPE)-TWO FLAT EDGES

Hand File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
1-100-06-1-2	6	5/8	5/32	30	Bastard
1-100-06-2-2	6	5/8	5/32	43	Second
1-100-08-1-2	8	25/32	13/64	25	Bastard
1-100-10-1-2	10	1	7/32	23	Bastard
1-100-10-2-2	10	1	7/32	30	Second
Without handle					
1-100-04-1-0	4	15/32	1/8	38	Bastard
1-100-04-2-0	4	15/32	1/8	53	Second
1-100-04-3-0	4	15/32	1/8	74	Smooth
1-100-06-1-0	6	5/8	5/32	30	Bastard
1-100-06-2-0	6	5/8	5/32	43	Second
1-100-06-3-0	6	5/8	5/32	61	Smooth
1-100-08-1-0	8	25/32	13/64	25	Bastard
1-100-08-2-0	8	25/32	13/64	38	Second
1-100-08-3-0	8	25/32	13/64	53	Smooth
1-100-10-1-0	10	1	7/32	23	Bastard
1-100-10-2-0	10	1	7/32	30	Second
1-100-10-3-0	10	1	7/32	45	Smooth
1-100-12-1-0	12	1 3/16	5/64	18	Bastard
1-100-12-2-0	12	1 3/16	5/64	25	Second
1-100-12-3-0	12	1 3/16	5/64	38	Smooth
1-100-14-1-0	14	1 3/8	15/64	15	Bastard
1-100-14-2-0	14	1 3/8	15/64	23	Second
1-100-14-3-0	14	1 3/8	15/64	30	Smooth



1-100-10-1-2



1-100-10-1-0

Features

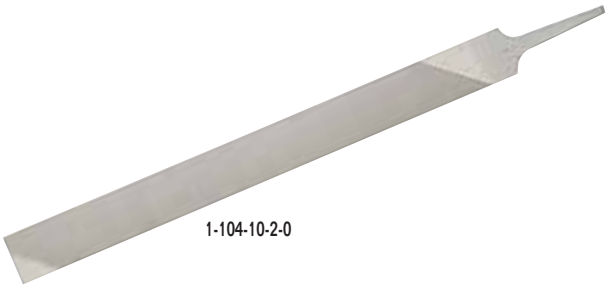
- For filing flat surfaces, sharp corners and shoulders as well as for deburring.
- To work in high-alloy tool steels, for sharpening of heavy implements.
- File surfaces are double cut while the edges have one side single cut and one side uncut.

BAHCO

LATHE FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
1-104-10-2-0	10	31/32	7/32	30	Second
1-104-10-3-0	10	31/32	7/32	43	Smooth
1-104-12-2-0	12	15/32	1 11/64	25	Second
1-104-12-3-0	12	15/32	15/64	36	Smooth
1-104-14-3-0	14	1 3/8	15/64	30	Smooth



1-104-10-2-0

Features

- For polishing and deburring work in lathes. Releases chips easily and produces smooth surfaces.
- File surface is single cut while edges are uncut.

ergo

BAHCO



HAND FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
1-106-08-1-2	8	25/32	13/64	25	Bastard
1-106-10-1-2	10	31/32	13/64	23	Bastard
Without handle					
1-106-08-1-0	8	25/32	13/64	25	Bastard
1-106-10-1-0	10	31/32	13/64	23	Bastard
1-106-12-1-0	12	3/16	13/16	18	Bastard



1-106-08-1-2



1-106-08-1-0

Features

- For polishing and deburring work in lathes. Releases chips easily and produces smooth surfaces.
- File surface is oberg cut while the edges have one side single cut and one side uncut.

BAHCO

ergo

FLAT FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
1-110-08-1-2	8	25/32	13/64	25	Bastard
1-110-08-2-2	8	25/32	13/64	38	Second
1-110-10-1-2	10	1	7/32	23	Bastard
1-110-10-2-2	10	1	7/32	30	Second
1-110-10-3-2	10	1	7/32	43	Smooth
Without handle					
1-110-04-1-0	4	15/32	1/8	38	Bastard
1-110-04-2-0	4	15/32	1/8	53	Second
1-110-04-3-0	4	15/32	1/8	74	Smooth
1-110-06-1-0	6	5/8	5/32	30	Bastard
1-110-06-2-0	6	5/8	5/32	43	Second
1-110-06-3-0	6	5/8	5/32	61	Smooth
1-110-08-1-0	8	25/32	13/64	25	Bastard
1-110-08-2-0	8	25/32	13/64	38	Second
1-110-08-3-0	8	25/32	13/64	53	Smooth
1-110-10-1-0	10	1	7/32	23	Bastard
1-110-10-2-0	10	1	7/32	30	Second
1-110-10-3-0	10	1	7/32	43	Smooth
1-110-12-1-0	12	1 3/16	15/64	18	Bastard
1-110-12-2-0	12	1 3/16	15/64	25	Second
1-110-12-3-0	12	1 3/16	15/64	38	Smooth
1-110-14-1-0	14	1 3/8	15/64	38	Bastard





1-110-08-1-2



1-110-08-1-0

Features

- Pointed shape enables user to reach into angles and corners.
- Edges are tapered towards the point with surfaces being parallel.
- File surfaces is double cut while the edges are single cut.

BAHCO

WARDING FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle					
1-111-04-1-0	4	25/64	3/64	43	Bastard
1-111-04-2-0	4	25/64	3/64	53	Second
1-111-04-3-0	4	25/64	3/64	74	Smooth
1-111-06-1-0	6	19/32	5/64	38	Bastard
1-111-06-2-0	6	19/32	5/64	43	Second
1-111-06-3-0	6	19/32	5/64	61	Smooth
1-111-08-1-0	8	3/4	3/32	30	Bastard
1-111-08-2-0	8	3/4	3/32	38	Second
1-111-08-3-0	8	3/4	3/32	53	Smooth



1-111-08-1-0

Features

- Designed for filing narrow grooves, and passages such as filing cuts on keys.
- Edges are tapered towards the point with surfaces being parallel.
- File surfaces is double cut while the edges are single cut.

⚠WARNING

ergo



BAHCO

MILL FILE (USA TYPE)-TWO FLAT EDGES

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
1-143-06-1-2	6	5/8	7/64	48	Bastard
1-143-06-2-2	6	5/8	7/64	53	Second
1-143-08-1-2	8	25/32	1/8	44	Bastard
1-143-10-1-2	10	1	1 43/64	40	Bastard
1-143-10-2-2	10	1	5/32	44	Second
Without handle					
1-143-04-1-0	4	7/16	5/64	53	Bastard
1-143-04-2-0	4	7/16	5/64	62	Second
1-143-04-3-0	4	7/16	5/64	75	Smooth
1-143-06-1-0	6	5/8	7/64	48	Bastard
1-143-06-2-0	6	5/8	7/64	53	Second
1-143-06-3-0	6	5/8	7/64	62	Smooth
1-143-08-1-0	8	25/32	1/8	44	Bastard
1-143-08-2-0	8	25/32	1/8	48	Second
1-143-08-3-0	8	25/32	1/8	57	Smooth
1-143-10-1-0	10	1	5/32	40	Bastard
1-143-10-2-0	10	1	5/32	44	Second
1-143-10-3-0	10	1	5/32	53	Smooth
1-143-12-1-0	12	1 13/16	3/16	37	Bastard
1-143-12-2-0	12	1 13/16	3/16	40	Second
1-143-12-3-0	12	1 13/16	3/16	48	Smooth



1-143-10-1-2



1-143-10-1-0

Features

- Surfaces and edges are single cut.
- Suitable for engineering and sharpening file applications.
- Can be used for polishing and deburring work in lathes.
- Widely used for sharpening tools and implements such as spades, shovels, hoes, scrapers, etc.

BAHCO

PLASTIC CUT FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle					
1-145-12-0-0	12	31/32	13/64	39	Smooth
1-145-14-0-0	14	1 11/64	3/16	23	Second



1-145-12-0-0

Features

- Designed for fast and easy cutting on plastic laminates. Excellent for edge finishing. Single cut.

BAHCO

SQUARE FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
1-160-06-1-2	6	15/32	15/64	33	Bastard
1-160-06-2-2	6	15/32	15/64	46	Second
1-160-08-1-2	8	5/16	5/16	25	Bastard
1-160-08-2-2	8	5/16	5/16	36	Second
1-160-10-1-2	10	25/64	23/64	23	Bastard
Without handle					
1-160-04-1-0	4	11/64	11/64	43	Bastard
1-160-04-2-0	4	11/64	11/64	56	Second
1-160-04-3-0	4	11/64	11/64	71	Smooth
1-160-06-1-0	6	15/32	15/64	33	Bastard
1-160-06-2-0	6	15/32	15/64	46	Second
1-160-06-3-0	6	15/32	15/64	56	Smooth
1-160-08-1-0	8	5/16	5/16	25	Bastard
1-160-08-2-0	8	5/16	5/16	36	Second
1-160-08-3-0	8	5/16	5/16	46	Smooth
1-160-10-1-0	10	25/64	23/64	23	Bastard
1-160-10-2-0	10	25/64	23/64	30	Second
1-160-10-3-0	10	25/64	23/64	41	Smooth
1-160-12-1-0	12	15/32	15/32	20	Bastard
1-160-12-2-0	12	15/32	15/32	28	Second

Features

- Designed for filing grooves, rectangular holes, inside corners and for fine-adjustments of cutting tools.
- Surfaces are tapered towards the point and has a double cut.

ergo





1-160-10-1-2



1-160-10-1-0

BAHCO

THREE SQUARE FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
1-170-06-1-2	6	7/16	7/16	33	Bastard
1-170-06-2-2	6	7/16	7/16	46	Second
1-170-08-1-2	8	5/8	5/8	25	Bastard
1-170-08-2-2	8	5/8	5/8	36	Second
1-170-10-1-2	10	11/16	11/16	23	Bastard
1-170-10-3-2	10	11/16	11/16	41	Smooth
Without handle					
1-170-04-3-0	4	1/4	1/4	71	Smooth
1-170-06-1-0	6	7/16	7/16	33	Bastard
1-170-06-2-0	6	7/16	7/16	46	Second
1-170-06-3-0	6	7/16	7/16	56	Smooth
1-170-08-1-0	8	5/8	5/8	25	Bastard
1-170-08-2-0	8	5/8	5/8	36	Second
1-170-08-3-0	8	5/8	5/8	46	Smooth
1-170-10-1-0	10	11/16	11/16	23	Bastard
1-170-10-2-0	10	11/16	11/16	30	Second
1-170-10-3-0	10	11/16	11/16	41	Smooth

Features

- Ideal for deburring and filing angles and inner corners. Can be used for filing of holes, large fillets and concave surfaces.
- Shaped in an equilateral triangle that tapers towards the point and has double surface cuts.

ergo





1-170-10-1-2



1-170-10-1-0

⚠WARNING

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BAHCO



HALF-ROUND FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
1-210-06-1-2	6	5/8	3/16	33	Bastard
1-210-06-2-2	6	5/8	5/8	46	Second
1-210-06-3-2	6	5/8	5/8	56	Smooth
1-210-08-1-2	8	13/16	13/16	25	Bastard
1-210-08-2-2	8	13/16	13/16	36	Second
1-210-10-1-2	10	1 3/64	1 3/64	23	Bastard
1-210-10-2-2	10	1 3/64	1 3/64	30	Second
1-210-12-1-2	12	1 7/32	1 7/32	20	Bastard
1-210-12-2-2	12	17/32	17/32	28	Second
Without handle					
1-210-04-1-0	4	25/64	1/8	43	Bastard
1-210-04-2-0	4	25/64	1/8	56	Second
1-210-04-3-0	4	25/64	1/8	71	Smooth
1-210-06-1-0	6	5/8	3/16	33	Bastard
1-210-06-2-0	6	5/8	5/8	46	Second
1-210-06-3-0	6	5/8	5/8	56	Smooth
1-210-08-1-0	8	13/16	13/16	25	Bastard
1-210-08-2-0	8	13/16	13/16	36	Second
1-210-08-3-0	8	13/16	13/16	46	Smooth
1-210-10-1-0	10	1 3/64	1 3/64	23	Bastard
1-210-10-2-0	10	1 3/64	1 3/64	30	Second
1-210-10-3-0	10	1 3/64	1 3/64	41	Smooth
1-210-12-1-0	12	1 7/32	1 7/32	20	Bastard
1-210-12-2-0	12	1 7/32	1 7/32	28	Second
1-210-12-3-0	12	1 7/32	1 7/32	36	Smooth
1-210-14-1-0	14	1 3/8	1 3/8	18	Bastard



1-210-10-1-2

1-210-10-1-0

Features

- Used for filing concave and flat surfaces as well as large holes and deburring requirements. Edges and surfaces are tapered towards the point and has double surface cuts.

ergo

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ROUND FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
1-230-06-1-2	6	15/32	-	33	Bastard
1-230-06-2-2	6	15/32	-	46	Second
1-230-08-1-2	8	5/16	-	25	Bastard
1-230-08-2-2	8	5/16	-	36	Second
1-230-10-1-2	10	25/64	-	23	Bastard
1-230-10-2-2	10	25/64	-	30	Second
1-230-10-3-2	10	25/64	-	41	Smooth
Without handle					
1-230-04-1-0	4	9/64	-	43	Bastard
1-230-04-2-0	4	9/64	-	56	Second
1-230-04-3-0	4	9/64	-	71	Smooth
1-230-06-1-0	6	15/32	-	33	Bastard
1-230-06-2-0	6	15/32	-	46	Second
1-230-06-3-0	6	15/32	-	56	Smooth
1-230-08-1-0	8	5/16	-	25	Bastard
1-230-08-2-0	8	5/16	-	36	Second
1-230-08-3-0	8	5/16	-	46	Smooth
1-230-10-1-0	10	25/64	-	23	Bastard
1-230-10-2-0	10	25/64	-	30	Second
1-230-10-3-0	10	25/64	-	41	Smooth
1-230-12-1-0	12	15/32	-	20	Bastard
1-230-12-2-0	12	15/32	-	28	Second
1-230-12-3-0	12	15/32	-	36	Smooth



1-230-10-1-2

1-230-10-1-0

Features

- Regularly used for filing holes, large fillets and concave surfaces. File is tapered to a point and has a double cut.

HAND NEEDLE FILES

Product Code	Length (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle			
2-300-14-0-0	5 ½	56	Bastard
2-300-14-2-0	5 ½	86	Smooth
2-300-14-4-0	5 ½	122	Dead Smooth
2-300-16-0-0	6 ¼	56	Bastard
2-300-16-1-0	6 ¼	66	Second
2-300-16-2-0	6 ¼	86	Smooth
2-300-16-4-0	6 ¼	122	Dead Smooth
2-300-18-0-0	7	56	Bastard
2-300-18-2-0	7	86	Smooth



2-300-14-0-0

Features

- Perfect for fine filing and polishing jobs. Used by engravers, precision engineers, instrument makers, watchmakers and goldsmiths.
- Edges and surfaces are parallel. Surfaces double cut, edges single cut.

FLAT NEEDLE FILES

Product Code	Length (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle			
2-301-14-0-0	5 ½	56	Bastard
2-301-14-2-0	5 ½	86	Smooth
2-301-14-4-0	5 ½	122	Dead Smooth
2-301-16-0-0	6 ¼	56	Bastard
2-301-16-1-0	6 ¼	66	Second
2-301-16-2-0	6 ¼	86	Smooth
2-301-16-4-0	6 ¼	122	Dead Smooth
2-301-18-2-0	7	86	Smooth



2-301-14-0-0

Features

- Perfect for fine filing and polishing jobs. Used by engravers, precision engineers, instrument makers, watchmakers and goldsmiths.
- Surfaces parallel, edges taper to a point. Surfaces double cut, edges single cut.

THREE SQUARE NEEDLE FILES

Product Code	Length (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle			
2-302-14-0-0	5 ½	56	Bastard
2-302-14-2-0	5 ½	86	Smooth
2-302-14-4-0	5 ½	102	Dead Smooth
2-302-16-0-0	6 ¼	56	Bastard
2-302-16-1-0	6 ¼	66	Second
2-302-16-2-0	6 ¼	86	Smooth
2-302-16-4-0	6 ¼	122	Dead Smooth
2-302-18-0-0	7	56	Bastard
2-302-18-2-0	7	86	Smooth

2-302-14-0-0

Features

- Perfect for fine filing and polishing jobs. Used by engravers, precision engineers, instrument makers, watchmakers and goldsmiths.
- Triangular, surfaces taper to a point. Surfaces double cut.

⚠WARNING

2-303-14-2-0

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SQUARE NEEDLE FILES

Product Code	Length (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle			
2-303-14-2-0	5 ½	86	Smooth
2-303-14-4-0	5 ½	122	Dead Smooth
2-303-16-0-0	6 ¼	56	Bastard
2-303-16-1-0	6 ¼	66	Second
2-303-16-2-0	6 ¼	86	Smooth
2-303-16-4-0	6 ¼	122	Dead Smooth
2-303-18-0-0	7	56	Bastard
2-303-18-2-0	7	86	Smooth

Features

- Perfect for fine filing and polishing jobs. Used by engravers, precision engineers, instrument makers, watchmakers and goldsmiths.
- Square shape, surface tapered to a point. Surfaces double cut.



2-304-14-0-0

BAHCO

HALF ROUND NEEDLE FILES

Product Code	Length (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle			
2-304-14-0-0	5 ½	56	Bastard
2-304-14-2-0	5 ½	86	Smooth
2-304-14-4-0	5 ½	122	Dead Smooth
2-304-16-0-0	6 ¼	56	Bastard
2-304-16-1-0	6 ¼	66	Second
2-304-16-2-0	6 ¼	86	Smooth
2-304-16-4-0	6 ¼	122	Dead Smooth
2-304-18-0-0	7	56	Bastard
2-304-18-2-0	7	86	Smooth

Features

- Perfect for fine filing and polishing jobs. Used by engravers, precision engineers, instrument makers, watchmakers and goldsmiths.
- Surfaces taper to a point. Flat and convex surfaces double cut.



4-138-10-1-0



4-140-10-1-0

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MILL SAW FILE

Engineering Files

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle - One Round Edges					
4-138-08-1-0	8	25/32	1/8	46	Bastard
4-138-10-1-0	10	1	5/32	41	Bastard
4-138-12-1-0	12	1 13/16	3/16	36	Bastard
Without handle - Two Round Edges					
4-140-06-1-0	6	5/8	7/64	46	Bastard
4-140-08-1-0	8	25/32	1/8	41	Bastard
4-140-10-1-0	10	1	5/32	36	Bastard

Features

- Designed for circular, felling and gang saws with fine toothing, including bandsaws. Excels at draw and fine filing, polishing and deburring work.
- Used in the engineering industry as a lathe and deburring file.
- File is parallel and thin with surface and edge having single cut and one round edge.



4-150-07-3-0

BAHCO

FLAT CHISEL BIT FILE

Engineering File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)
4-150-07-3-0	7	1/2	1/8

Features

- Designed for filing of square ground cutters.
- File is flat.

HOMEOWNER'S FILE - FOR WOOD OR METAL

With Bi-Molded ERGO® Handle

Product Code	Length (Inch)	Teeth Per Inch (TPI)	Type of Cut	Type
4-152-08-2-2	8	41 + 36	Bastard Rasp & Double Second	Wood
4-153-08-1-2	8	25 + 41	Bastard Double & Single Second	Metal

Features

- Wood file has both rasp and double cut
- Wood file is flat and parallel with two flat, uncut edges - one side bastard rasp cut and the other side double second cut.
- Metal file has both bastard double and single second cut
- Metal file is flat and parallel with two flat, uncut edges



4-152-08-2-2

FARMER'S DOUBLE DUTY FILE

Handle has a hole for hanging.

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
4-155-08-2-0	8	1	5/32	23	Second
4-155-10-2-0	10	1 13/16	7/32	18	Second

Features

- File is both double and single cut.
- Double cut is for filing flat surfaces and for rough sharpening of edges on spades, hoes, etc.
- Single cut is for fine filing of flat surfaces and for fine sharpening of tools and implements.
- File has parallel edges with one being uncut - one side is double cut bastard and the other side is single cut bastard.



4-155-10-2-0

SHARPENING FILES - TAPER SAW FILE

Sharpening File

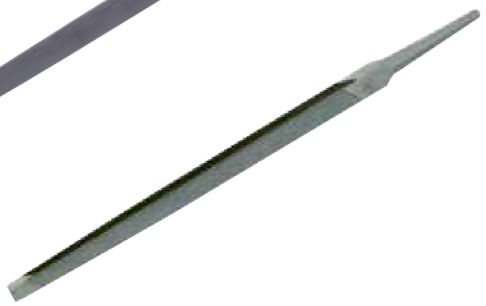
Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
4-183-04-2-2	4	21/64	-	50	Second
4-183-05-2-2	5	13/32	-	46	Second
4-183-06-2-2	6	15/32	-	43	Second
Without handle					
4-183-06-2-0	6	15/32	-	43	Second
4-183-07-2-0	7	1/2	-	41	Second
4-183-08-2-0	8	19/32	-	41	Second
4-183-10-2-0	10	21/32	-	38	Second

Features

- Designed for sharpening saws with cross toothing and teeth at 60° angle.
- File is triangular with edges tapering towards the point with surface and edges single cut.



4-183-04-2-2



4-183-06-2-0

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SLIM TAPER FILE

Sharpening File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
4-186-04-2-2	4	9/64	-	58	Second
4-186-05-2-2	5	3/16	-	54	Second
4-186-06-2-2	6	15/64	-	50	Second
Without Handle					
4-186-04-2-0	4	9/64	-	58	Second
4-186-05-2-0	5	3/16	-	54	Second
4-186-06-2-0	6	15/64	-	50	Second
4-186-07-2-0	7	17/64	-	46	Second
4-186-08-2-0	8	21/64	-	42	Second

Features

- Used for sharpening of all types of saws with fine cross toothing.
- File is triangular with edges tapering towards the point with surface and edges single cut.



4-186-04-2-2



4-186-04-2-0

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EXTRA SLIM TAPER FILE

Sharpening File

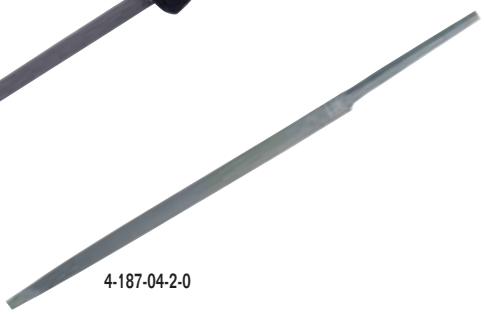
Product Code	Length (Inch)	Width (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle				
4-187-06-2-2	6	3/16	54	Second
Without Handle				
4-187-04-2-0	4	9/64	64	Second
4-187-06-2-0	6	3/16	54	Second
4-187-07-2-0	7	15/64	50	Second
4-287-06-2-0	6	13/64	54	Second

Features

- Used for sharpening of all types of saws with fine cross toothing.
- File is triangular with edges tapering towards the point. Surfaces are single cut on 4-187 and double cut on 4-287. Edges are single cut. Section figures indicate the largest width of the file section.



4-187-05-2-2



4-187-04-2-0

BAHCO

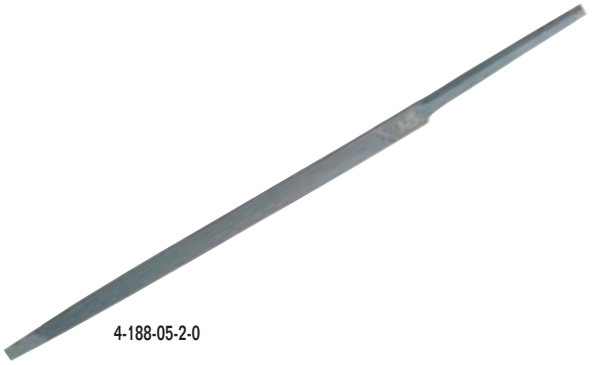
DOUBLE EXTRA SLIM TAPER

Sharpening File

Product Code	Length (Inch)	Width (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without Handle				
4-188-05-2-0	5	11/64	58	Second
4-188-06-2-0	6	11/64	58	Second
4-288-06-2-0	6	11/64	58	Second

Features

- Used for sharpening of all types of saws with fine cross toothing.
- Triangular, with edges tapering towards the point. Surfaces are single cut on 4-188 and double cut on 4-288. Edges are single cut. Width figures indicate the largest width of the file section.



4-188-05-2-0

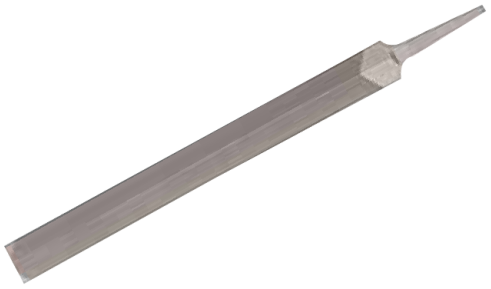
DOUBLE EDGE SAW FILE - "WASA"

Sharpening Files

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle					
4-272-06-3-0	6	5/8	5/32	58	Smooth

Features

- For sharpening saws with straight, fine toothing. Note that saws with hardened tooth points cannot be sharpened with a file!
- Parallel, rhombic. Surfaces and edges single cut.



4-272-06-3-0

HALF ROUND RASPS

Rasps

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
6-342-08-1-2	8	53/64	5/16	64	Coarse
6-342-08-2-2	8	53/64	5/16	104	Medium
Without handle					
6-342-08-1-0	8	53/64	5/16	64	Coarse
6-342-10-1-0	10	15/16	5/16	51	Coarse
6-342-12-1-0	12	1 1/16	3/8	38	Coarse

Features

- Designed for work in wood, plywood, wall board, plastics and other soft materials.
- File's edges and surfaces are tapered towards the point with surfaces rasp cut and edges single cut.

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6-342-08-1-2



6-342-08-1-0

CABINET RASPS

Rasps

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
Without handle					
6-343-08-3-0	8	7/8	7/32	142	Fine
6-343-10-3-0	10	1 1/16	15/64	117	Fine

Features

- Designed for work in wood, plywood, wall board, plastics and other soft materials.
- File is thin and half round edges and surfaces tapered towards the point. Surface is rasp cut and edges are single cut.



6-343-08-3-0

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HAND RASPS

Rasps

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Molded ERGO® Handle					
6-344-08-2-2	8	25/32	1/4	104	Medium



6-344-08-2-2

Features

- Designed for work in wood, plywood, wall board, plastics and other soft materials.
- File's edges and surfaces are parallel with surface rasp cut and one edge single cut.

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ROUND RASP

Rasps

Product Code	Length (Inch)	Diameter (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut
With Bi-Mold ERGO® Handle					
6-345-08-2-2	8	9/32	23/64	104	Medium



6-345-08-2-2

Features

- Designed for work in wood, plywood, wall board, plastics and other soft materials.
- File surface is rasp cut.
- File is round and tapered towards the point.

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FILEMASTER

Rasps

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)
With Bi-Molded ERGO® Handle				
FM10	10	29/32	7/32	9 + 13



FM10

Features

- Designed for shear cuts on steel, plastics, laminates and hard woods. Also good for finishing in most materials.
- Has curved teeth for fast removal of soft metals, lead, aluminum, soft woods and fillers.
- The edges are parallel and uncut, and the surface has milled teeth - one side shear cut and one side curved teeth.
- File coated with a protective layer of paint.

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HALF ROUND FILEMASTER

ergo

Rasps

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)
With Bi-Molded ERGO® Handle				
HRFM10	10	29/32	1/8	12

Features

- Designed for filing concave and flat surface, and large holes.
- Has curved teeth for fast removal of soft metals, lead, aluminum, soft woods and fillers.
- Edges are tapered towards the point and are uncut. Half round surface are milled, curved teeth and concave back is uncut.
- File coated with a protective layer of paint.



HRFM10

BAHCO

FILE CLEANER

Accessories

Product Code
9-467-00-0-0

Features

- In order to ensure a good filing result, files should periodically be cleaned during use.
- Has bristles on one side and a card of steel wire on the other.
- Use the brush to clear clogged teeth. Doing this regularly will improve the stock removal efficiency of the file, and extend its useful life.



9-467-00-0-0

BAHCO

ROUND CHAIN SAW FILES

Chain Saw Files

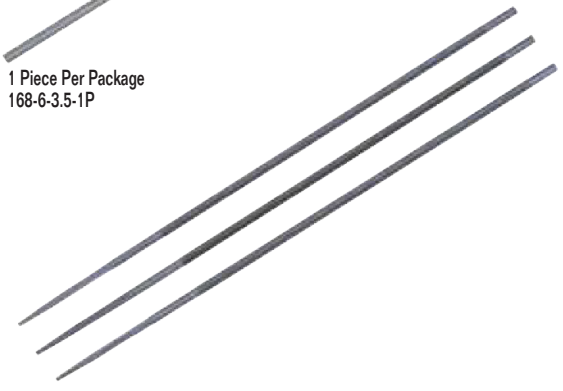
Product Code	Length	Diameter (Inch)
Each file is packed in a skin-pack, which can be used as a protective sleeve.		
168-6-3.2-1P	6	1/8
168-6-3.5-1P	6	9/64
168-8-4.0-1P	8	5/32
168-8-4.5-1P	8	11/64
168-8-4.8-1P	8	3/16
168-8-5.2-1P	8	13/64
168-8-5.5-1P	8	7/32
168-8-6.3-1P	8	1/4
Files are packed in 3 piece protective skin-pack, with perforation for easy separation.		
168-8-4.0-3P	8	5/32
168-8-4.8-3P	8	3/16
168-8-5.5-3P	8	7/32
Files are packed in 6 per paper box.		
168-8-4.0-6	8	5/32
168-8-4.5-6	8	11/64
168-8-4.8-6	8	3/16
168-8-5.2-6	8	13/64
168-8-5.5-6	8	7/32

Features

- For sharpening of the cutting tooth on the saw chain.



1 Piece Per Package
168-6-3.5-1P



3 Pieces Per Package
168-8-4.0-3P

WARNING



166-6-16-2.5-12

BAHCO

FLAT CHAIN SAW FILE

Chain Saw File

Product Code	Length (Inch)	Width (Inch)	Height (Inch)
With Bi-Mold ERGO® Handle			
166-6-16-2.5-12	6	5/8	3/32

Features

- Designed for filing of depth gauges on saw chains and for sharpening of brush cutter blades.
- Files are packed 12 pieces per box.
- File is flat with single cut surface, edges are round and uncut.

ergo



BAHCO

FILE HANDLES

Bi-Molded ERGO® Handles



Product Code	Handle Number	Packaging
Designed for files of rectangular shape (flat, hand, etc) and for half round files.		
9-485-04-1P	04	Individual
9-485-05-1P	05	Individual
9-485-06-1P	06	Individual
9-485-09-1P	09	Individual
9-485-13-1P	13	Individual
9-485-06-10	06	10-Pack
9-485-09-10	09	10-Pack
9-485-13-10	13	10-pack
Designed for shaped files (round, square, three square, etc.)		
9-486-3.2-1P	3.2	Individual
9-486-04-1P	04	Individual
9-486-05-1P	05	Individual
9-486-07-1P	07	Individual
9-486-04-10	04	10-Pack
9-486-05-10	05	10-Pack
9-486-08-10	08	10-Pack

Features

- Ergonomically shaped bi-molded plastic handle provides soft, textured grip for comfort and control.
- The end covers the file tang and shoulder for safe and comfortable grip.

BAHCO

PLASTIC FILE HANDLES

Comfortable Grip



9-484

Product Code	Handle Number	Packaging
Files are packed in 6 per paper box.		
9-484-3.2-1P	3.2	Individual
9-484-5.2-1P	5.2	Individual
9-484-3.2-10	3.2	10-Pack
9-484-5.2-10	5.2	10-Pack

Features

- The end covers the file tang and shoulder for safe and comfortable grip.
- Plastic file handles designed for small sized files.

ROUND CHAIN SAW FILE HANDLES

Product Code	Handle Number	Type	Packaging
9-486-C-10	C	ERGO	10 Pack
9-486-C-1P	C	ERGO	1 Individual
PH-6604-1P			1 Individual
PH-6604-25			25 Pack





9-486



PH-6604

Features

- Handle 9-486 is ergonomically shaped bi-molded plastic handle that provides soft, textured grip for comfort and control.
- Handle 9-486 can hold both round chain saw files (type 168) and flat chain saw file (type 166).
- Handle PH-6604 is an all plastic handle designed for 8 inch round chain saw files with 3 integrated angle guides.

FILE HANDLE SELECTION GUIDE

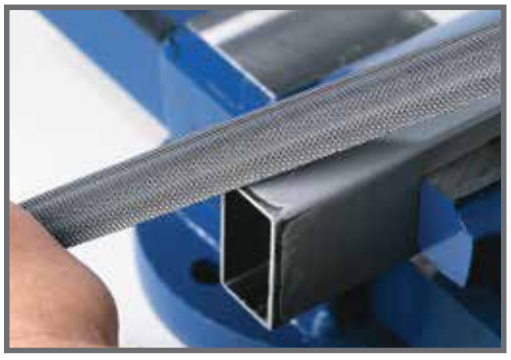
Engineering, Rasp and Milled Files

Product Code	4"	6"	8"	10"	12"
1-100	5.2	06	09	09	13
1-106			09	09	13
1-110		06	09	09	13
1-111		04			
1-143		04	05	09	13
1-210	5.2	06	09	09	13
6-342	5.2	06	09	09	13
6-343			08	09	
6-344			09	09	
1-160	3.2	04	05	05	08
1-170	3.2	04	05	05	
1-230	3.2	04	05	05	08
6-345			05	05	



Sharpening Files

Product Code	4"	5"	6"	7"	8"	10"	12"
166			04				
4-138			04		05	09	13
4-140					05	09	
4-152					09		
4-153					09		
4-272		06	04				
4-183	3.2	04	04	05	05		
4-186	3.2	3.2	04				
4-187		3.2	3.2				
4-188		3.2					



Yellow = Handle 9-484-XX-

Blue = Handle 9-485-XX-

Orange = Handle 9-486-XX-

Example: Matching handle for 1-143-10-2-0 is 9-485-09-1P

⚠WARNING



HSSG-G1225M



HSSG-M1227M



HSSG-A1225M



HSSG-C1225M



HSSG-E1222M



HSSG-D1211M

BAHCO

ROTARY BURRS

Arch Pointed Nose

Product Code	Diameter Of Head	Length of Head	Toothing
HSSG-G0618M	1/4	11/16	Medium
HSSG-G1220M	1/2	3/4	Medium
HSSG-G1225EC	1/2	1	Extra Coarse
HSSG-G1225M	1/2	1	Medium
HSSG-F0618M	1/4	11/16	Medium
HSSG-F1225M	1/2	1	Medium

Conical Pointed Nose

Product Code	Diameter Of Head	Length of Head	Toothing
HSSG-M0618M	1/4	11/16	Medium
HSSG-M1227M	1/2	1 1/16	Medium

Cylindrical

Product Code	Diameter Of Head	Length of Head	Toothing
HSSG-A0616M	1/4	5/8	Medium
HSSG-A1020M	3/8	3/4	Medium
HSSG-A1225EC	1/2	1	Extra Coarse
HSSG-A1225M	1/2	1	Medium

Cylindrical Round Nose

Product Code	Diameter Of Head	Length of Head	Toothing
HSSG-C0616M	1/4	5/8	Medium
HSSG-C1020M	3/8	3/4	Medium
HSSG-C1225EC	1/2	1	Extra Coarse
HSSG-C1225M	1/2	1	Medium

Oval

Product Code	Diameter Of Head	Length of Head	Toothing
HSSG-E0614M	1/4	9/16	Medium
HSSG-E1222EC	1/2	7/8	Extra Coarse
HSSG-E1222M	1/2	7/8	Medium

Spherical

Product Code	Diameter Of Head	Length of Head	Toothing
HSSG-D0606M	1/4	1/4	Medium
HSSG-D0807M	5/16	1/4	Medium
HSSG-D1009M	3/8	3/8	Medium
HSSG-D1211EC	1/2	7/16	Extra Coarse
HSSG-D1211M	1/2	7/16	Medium

Features

- High Speed Steel burrs used for deburring soft steel, bronze, and brass.
- Used to deburr irregular objects and finishing work inside a confined space.
- Medium Toothing for machining unhardened steel and other moderately hard materials under normal conditions
- Extra Coarse Toothing for soft materials when good stock removal is required. Counteracts chip build-up between teeth.

BAHCO

SCRAPERS

ERGO® Carbide Blade Scrapers

Product Code	Length (Inch)	Blade Included:
625	11	# 449 Triangle Shaped Carbide Blade
650	12	# 442 - 2" Carbide Blade
665	12	# 451 -2 1/2" Carbide Blade

Features

- Two-component handle provides better grip and comfort during use.
- Scrapers for use on all kinds of surfaces for removal of paint, glue, varnish, rust, gaskets, chalk, grout, mortar, etc.
- Four interchangeable carbide blades for precision work are available for different surface applications.
- 625 Scraper comes with convenient plastic holder.
- The heavy duty scraper head for models 650 and 665 is designed for wide material removal when extra strength is required.
- Scraper 665 comes with large plastic knob for two-handed operation for heavy duty use.
- Blades stays sharp up to 50 times longer than conventional steel blades.

ergo





625



650



665

BAHCO

REPLACEMENT CARBIDE SCRAPER BLADES

Carbide Blades

Product Code	Length (Inch)	Description
449		Triangle Shape, for 625 Scraper
625-DROP		Drop Shape, for 625 Scraper
625-PEAR		Pear Shape, For 625 Scraper
625-ROUND		Round Shape, For 625 Scraper
442	2	For 650 and 665 Scrapers
451	2 1/2	For 650 and 665 Scrapers
850-1	2	Wavy for 650 and 665 Scrapers
865-1	2 1/2	Wavy for 650 and 665 Scrapers

Features

- Blades stays sharp up to 50 times longer than conventional steel blades.



449



625-DROP

625-PEAR

625-ROUND



442

WILLIAMS

GASKET SCRAPER

Plastic Handle

Product Code	Blade Length (Inch)	Overall Length	Blade Width
GSC-12	8 7/8	13	1 1/2

Features

- Designed for removing gaskets and carbon.
- Comfortable four-sided yellow plastic handle.
- Blade coated to resist corrosion.

USA Made in U.S.A.



GSC-12

WILLIAMS

GASKET SCRAPER

Bi-Mold Comfort Grip Handle

Product Code	Blade Length (Inch)	Overall Length	Blade Width
40000	6	9 3/4	7/8

Features

- Bi-mold handle provides comfortable grip, reducing hand fatigue.
- Ideal for gasket removal and cleaning rust and corrosion.



40000

WARNING



474

CABINET SCRAPERS

For Carpentry Work

Product Code	Length (Inch)
474-125-0.60	5
474-125-0.80	5
474-150-0.80	6

Features

- Blade of cold-rolled, hardened and tempered chrome-nickel steel.
- White plastic edge protector.



425-18

425-083

WOOD CHISELS

High-Quality Steel

Product Code	Overall Length (Inch)	Blade Length (Inch)	Tip Width (Inch)
425-6	10 ¾	5 ½	¼
425-10	10 ¾	5 ½	⅜
425-12	10 ¾	5 ½	½
425-18	10 ¾	5 ½	¾
425-25	10 ¾	5 ½	1
425-32	10 ¾	5 ½	1 ⅛
425-38	10 ¾	5 ½	1 ½

Set Includes:

Product Code	Description
425-083	Chisels: ¼, ⅜, ½, ¾, 1, 1 ¼ in a Wooden Box

Features

- Chisels feature high-quality tool steel with tapered neck.
- Hardened over a potion of the length, starting from the cutting edge, and coated with a transparent lacquer for rust protection.
- Chisels have a full bevel pattern, which means the sides of the blades have been beveled down to approximately half the blade thickness.
- Handle of red-beech wood, which nickel-plated steel ferrule to prevent it from splitting when struck. Can normally withstand force from club or hammer blows, not including steel hammers.



434-25



ERGO® CHISELS

High-Quality Steel

Product Code	Overall Length (Inch)	Blade Length (Inch)	Tip Width (Inch)
434-6	10 ¾	5 ½	¼
434-10	10 ¾	5 ½	⅜
434-12	10 ¾	5 ½	½
434-18	10 ¾	5 ½	¾
434-25	10 ¾	5 ½	1
434-28	10 ¾	5 ½	1 ⅛
434-38	10 ¾	5 ½	1 ½

Set Includes:

Product Code	Description
434-S3-EUR	Chisels: ½, ¾, 1 in a cardboard box
434-S6-EUR	Chisels: ¼, ⅜, ½, ¾, 1, 1¼ in a Wooden Box

Features

- Two component ergonomic grip handle
- Splitproof handle allows repeated hammer blows
- Safety guard and rounded shoulders for added security
- Precision ground blade for maximum sharpness
- Hardened and tempered for long lasting performance
- Honed and ready to use
- Polished blade for rust resistance
- Protective holster included



434-S6-EUR



434-S3-EUR

WILLIAMS®

AVIATION SNIPS

Bi-Mold Comfort Grip Handles

Product Code	Cutting Direction	Overall Length (Inches)	Cut Length (Inches)	Cutting Capacity (cold-rolled/stainless)
28201	Left	9 3/4	1 3/8	18 ga. CR / 22 ga. SS
28203	Right	9 3/4	1 3/8	18 ga. CR / 22 ga. SS
28205	Straight	9 13/16	1 1/2	18 ga. CR / 22 ga. SS

28251 3 Piece Aviation Snips Set in Pouch

Contents Include:

Product Code	Description	Product Code	Description
28201	Left-cut snips	28205	Straight-cut snips
28203	Right-cut snips		

Features

- Color-coded handles help quickly identify the cutting direction.
- Bi-mold handles provide comfortable grip, reduces hand fatigue.
- Meet ANSI and DIN standards.



WILLIAMS®

OFFSET AVIATION SNIPS

Bi-Mold Comfort Grip Handles

Product Code	Cutting Direction	Overall Length (Inches)	Cut Length (Inches)	Cutting Capacity (Cold-Rolled/Stainless)
28231	Left and Straight	9 1/4	1 3/16	18 ga. CR / 22 ga. SS
28233	Right and Straight	9 1/4	1 3/16	18 ga. CR / 22 ga. SS

28253 2 Piece Offset Aviation Snips Set in Pouch

Contents Include:

Product Code	Description	Product Code	Description
28231	Left and Straight Cut	28233	Right and Straight Cut

Features

- Color-coded handles help quickly identify the cutting direction.
- Bi-mold handles provide comfortable grip, reduces hand fatigue.
- Meet ANSI and DIN standards.
- Offset blades keeps user's hands above the work for safety and flow material away from blades for speed.



WILLIAMS®

SPECIALTY AVIATION SNIPS

Bi-Mold Comfort Grip Handles

Product Code	Style	Overall Length (Inches)	Cut Length (Inches)	Cutting Capacity (Cold-Rolled/Stainless)
28211	Bulldog - Notch	9	1	16 ga. CR / 18 ga. SS
28221	Long Cut - Straight	11 3/8	3	20 ga. CR / 26 ga. SS

28255 2 Piece Specialty Aviation Snips Set in Pouch

28255 2 Piece Specialty Snips Set. Includes one each Bulldog and Long Cut snips above.

Contents Include:

Product Code	Description	Product Code	Description
28211	Bulldog - Notch	28221	Long Cut - Straight

Features

- Bulldog snips notches and cuts rolled edges, seams, and thick sheet metal up to 16 gauge cold-rolled steel.
- Color-coded handles help quickly identify the cutting direction.
- Bi-mold handles provide comfortable grip, reduces hand fatigue.
- Meet ANSI and DIN standards.



⚠WARNING



28307



2744



1520G



4559

WILLIAMS

STRAIGHT PATTERN TIN SNIPS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Length (Inches)	Cutting Capacity (Cold-Rolled/Stainless)
28301	7	1 9/16	24 ga. CR / 32 ga. SS
28305	10	2	22 ga. CR / 28 ga. SS
28307	12	2 3/4	20 ga. CR / 24 ga. SS
28309	14	3	18 ga. CR /22 ga. SS

28351 2 Piece Straight Pattern Tin Snips Set in Pouch

Contents Include:

Product Code	Description	Product Code	Description
28301	7" Tin Snips	28307	12" Tin Snips

Features

- Forged steel blades.
- Double-dipped handles provide comfortable grip, reducing hand fatigue.
- Cut straight lines and wide curves.
- Meet ANSI and DIN standards.

BAHCO

MULTI-PURPOSE SNIPS

Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)
2744	7 1/2

Features

- Lightweight yet strong multi-purpose snip for cutting light sheet metal, leather, wire, plastic, wood, etc.

BAHCO

MINI BOLT CUTTER

Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)
1520G	8

Features

- Access tough to reach work.
- Bi-mold comfort grips combine durability and a secure non-slip grip.
- Cuts nails and bolts up to 1/4 diameter.

BAHCO

BOLT CUTTERS

Comfort Grip Handles

Product Code	Overall Length	Maximum Cutting Capacity For Rebar (Inch)	Replacement Jaw Kit (Includes Jaws, Bolts, and Steel Plates)
4559-12	12	1/4	4559-12B JC
4559-18	18	5/16	4559-18B JC
4559-24	24	3/8	4559-24B JC
4559-30	30	1/2	4559-30B JC
4559-36	36	5/8	4559-36B JC
4559-42	42	5/8	4559-42B JC

Features

- Comfortable rubber grips combine durability and a secure non-slip grip.
- Lightweight steel tube handles provide ease of control while offering solid durability.
- Unique manufacturing method results in high-precision cutting edges.

PUTTY KNIFE

Two component handle for better grip

Product Code	Overall Length (Inches)
2489	9



2489

Features

- For the application and smoothing of adhesives, putties and body dent fillers.
- Two component handle for better grip.
- Hardened stainless steel blade that extends through the handle.

STUD REMOVER

Chrome Finish

Product Code	Overall Length (Inches)	Head Thickness
4553	12	3/8



4553

Features

- For holding and removing studs.
- High-performance alloy steel.
- Chrome plated finishing.
- Thick and round handle to increase strength.
- Electrode cap remover at the handle end of the wrench.

SAFETY GLASSES

Product Code
3870-SG11



3870-SG11

Features

- Scratch resistant
- Polycarbonate
- 99.9% UV protection

TAPE MEASURE

Construction Grade Tape Rule

Product Code	Blade Length (Inch x Feet)
850002	1 X 30



850002

Features

- Rubber hook bumper protects hook from damage during blade rewind.
- Tough baked-on Epoxy coated blade protects marking and provides long life readability.
- Yellow blade color with oversized numbers provides easy-to-read visibility in most work locations.
- Positive slide-locking brake securely holds blade in place for measurements.
- Triple rivet adjusting hook allows for more accurate measurements.
- Molded rubber grips on case designed for comfort and easy visibility.
- High impact ABS case construction provides durability and strength in working applications.
- Belt clip included and is attached to the back of the case.

WARNING



MTS-5-25-E

BAHCO

TAPE MEASURE

Stainless Steel Construction Grade Tape Rule

Product Code	Blade Length (width x length)
MTS-5-25-E	1 x 16
MTS-8-25-E	1 x 26

Features

- SAE & Metric markings.
- Stainless steel blade and components are rust proof & washable.
- Automatic blade lock: the blade locks automatically when pulling, no need to push the button to lock.
- Non-reflective nylon blade coating for better readability.
- Magnetic tip for ceiling measuring & magnetic pickup, reverse blade printing to measure taller vertical distances.
- Nylon coated blade for durability and resistance.
- Impact absorbing rubber bumpers for better grip and comfort.
- Integrated belt & button clip.



MTB-5-25-E

BAHCO

TAPE MEASURE

Deluxe Construction Grade Tape Rule

Product Code	Blade Length (width x length)
MTB-3-16-M-E **	5/8 x 12
MTB-5-25-E	1 x 16
MTB-5-25-M-E **	1 x 16
MTB-8-25-E	1 x 26

Features

- SAE & Metric markings.
- Automatic blade lock: the blade locks automatically when pulling, no need to push the button to lock.
- Non reflective nylon blade coating for better readability.
- Nylon coated blade for long lasting and resistance.
- Impact absorbing rubber bumpers for better grip and comfort.
- Integrated belt & button clip.
- ** Magnetic tip for ceiling measuring & magnetic pickup, reverse blade printing to measure taller vertical distances.



MTG-5-19-E

BAHCO

TAPE MEASURE

Construction Grade Tape Rule

Product Code	Blade Length (width x length)
MTG-3-16-E	5/8 x 12
MTG-5-19-E	3/4 x 16

Features

- SAE & Metric markings
- Manual locking button to stop the blade retracting in use.
- Ridges around edge for easy grip
- Flat base enables tape to stand up on its own.
- Stainless steel belt clip
- Integrated belt clip

LONG TAPE

Professional Construction Grade

Product Code	Blade Length
LTS-30-E	100 ft (30 M)
LTS-50-E	164 ft (50 M)
LTS-100-E	328 ft (100 M)


LTS-30-E

Features
- SAE & Metric markings.
- 5/8" (16 mm) Blade Width.
- Strong fiberglass tape bonded with over 16,000 strands.
- Double nylon blade coating for extra wear resistance.

LONG TAPE

Deluxe Construction Grade

Product Code	Blade Length
LTB-10-E	30 ft (10 M)
LTB-20-E	60 ft (20 M)
LTB-30-E	100 ft (30 M)


LTB-20-E

Features
- SAE & Metric markings.
- 1/2 (13 mm) Blade Width.
- Strong fiberglass tape bonded with over 16,000 strands.
- Double nylon blade coating for extra wear resistance.
- Case opens for easy cleaning.

LONG TAPE

Construction Grade

Product Code	Blade Length
LTG-10-E	30 ft (10 M)
LTG-20-E	60 ft (20 M)
LTG-30-E	100 ft (30 M)


LTG-20-E

Features
- SAE & Metric markings.
- 1/2 (13 mm) Blade Width.
- Steel Tape.
- Easy Rewind.
- Belt Clip.

RULERS, SQUARE, SLIDING BEVEL, PENCIL

Construction Grade SAE and Metric

Product Code	Overall Length (Inches)	Description
SR150-E	6	Ruler
SR200-E	8	Ruler
SR300-E	12	Ruler
SR600-E	24	Ruler
ST1000-E	39	Ruler
9045-B-250	10	Square, Metric Only
9572-200	8	Sliding bevel
P-HB		Pencil


SR300-E


9045-B-250


9572-200


P-HB

LEVELS

Precision

Product Code	Description
426TOR9	9" Torpedo level
416-400	16" Level
416-600	24" Level


426TOR9


416-600

Features
- Solid aircraft grade aluminum.
- 3 vials: plumb, horizontal and 45 degree.
- V Groove base for use on pipes.
- Rare earth magnets on base.
- Accurate to 0.5 mm/m.

⚠WARNING



2535L



40201



40251



40150

BAHCO

MAGNETIC PICK-UP TOOL WITH LIGHT

Product Code	Description	Extended Length (Inches)
2535L	Magnetic Pick-up Tool with Light	30

Features

- Wide area lighting
- Soft grip handle
- Powerful magnetic tip
- Pick-up weight is 1¼ pounds

WILLIAMS

UTILITY TOOLS AND SETS

Bi-Mold Comfort Grip Handles

Product Code	Description	Contents Include
40201	4 Piece Mini Pick & Hook Set	Straight pick 45° bent tip pick 90° bent tip pick Full semi-circular hook
40251	4 Piece Utility Tool Set	Gasket scraper Scratch awl Cotter pin puller Hose removal tool
40150	Magnetic pick-up tool with telescoping shaft	N/A

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Use for scribing, alignment, o-ring removal, and parts cleaning.
- Small size makes them ideal for hard to reach work surfaces.
- Telescopic pick-up tool features powerful magnetic tip.
- Magnetic pick-up tool extended length is 18¼, pick-up weight is 1¼ pounds
- 40201 Overall length: 6 inches, handle length: 2 ¾"





WILLIAMS

CREEPERS

Heavy Duty - Low Profile

Product Code	Description
42301	Heavy-Duty Drop-Shoulder Creeper
42302	Mechanic's Seat Creeper
42304A	Adjustable-Height Swivel Seat-Creeper

Features - Heavy-Duty Drop-Shoulder Creeper

- Low-profile design rests only 2" from the ground.
- Drop-rail design allows greater shoulder and arm clearance.
- 16 gauge, ¾" square-stock steel frame.
- 1" padding on bed and 2" padding on headrest.
- Six 2-½" diameter hooded casters shield user's clothing from dirt and grease.

Features - Mechanic's Seat Creeper

- Seat is topped with comfortable 1-½" thick foam padding.
- 1" square-stock steel frame.
- Four 2-½" diameter hooded casters shield user's clothing from dirt and grease.
- Heavy-duty 3-section plastic pan stores tools and small parts.

Features - Adjustable-Height Swivel Seat-Creeper

- Height adjusts from 17" to 22".
- Seat swivels a full 360°.
- Four 2-½" diameter hooded casters shield user's clothing from dirt and grease.
- Steel tube frame supports cylinder for ultimate strength.
- Bottom pan serves as storage for tools and small parts.

THREE POUCH BELT SET

Product Code	Dimensions W x H (Inches)
4750-3PB-1	27 x 10

Features
- Strong construction with riveted reinforcement
- Easy to adjust comfortable nylon belt with 2 inch quick release buckle



4750-3PB-1

UNIVERSAL POUCH

Product Code	Dimensions W x H (Inches)
4750-UP-1	12 x 11

Features
- Riveted for unbreakable strength
- Measuring tape clip
- Leather slots ideal for holding longer tools.
- Two deep multi purpose open pockets provide for quick tool recognition.



4750-UP-1



4750-EP-1

ELECTRICIANS POUCH

Product Code	Dimensions W x H (Inches)
4750-EP-1	10 x 12

Features
- Universal tool loop for larger tools to keep them organized
- Chain hook for easy access to insulated tapes.
- Additional pocket for smaller tools
- Main deep pocket for safe storage
- Real leather slots on the sides.



4750-2PP-1

TWO POCKET POUCH

Product Code	Dimensions Wx H (Inches)
4750-2PP-1	9 x 11

Features
- Wide pockets hold plenty of tools
- Pocket position prevents tools from falling out.



4750-HDLB-1

HEAVY DUTY LEATHER BELT

Product Code	Description
4750-HDLB-1	Fits waist 28" to 50"



4750-HHO-2

HAMMER HOLDER

Product Code	Dimensions Wx H (Inches)
4750-HHO-2	4 x 11

Features
- Fits Bahco heavy duty leather belt
- Quick access to hammer



4750-KP-1

ANTI SLIP KNEE PADS

Product Code	Dimensions Wx H (Inches)
4750-KP-1	4 x 7

Features
- Universal lightweight knee pads for different kinds of surfaces
- Heavy duty cups ensure comfort and safety when used in difficult conditions.

⚠WARNING



40281

WILLIAMS

COMPACT MULTI-METER

Product Code	Description
40281	Compact Multi-meter

Features

- Manual ranging meter for user controlled setting selections
- Compact housing for easy mobility and convenient storage
- Offers numerous electrical test settings such as: AC and DC Volts, Resistance (Ohms), Continuity for basic electrical testing
- 2,000 count LCD display is easy to read
- Data hold button captures and locks in readings
- Protective boot cushions the meter if it is dropped
- Built in tilt stand allows the meter to stand upright for easier visibility
- On/Off button activates the meter Sleep mode allows the meter to turn off automatically to conserve battery life
- CULus 3111 agency approval insures the meter conforms to materials, components and testing set forth buy the agency for safety
- CAT III 600V rating positions it at the mid to upper range of this safety rating for user selection criteria



40284

WILLIAMS

COMPACT MULTI-METER

Product Code	Description
40284	Compact Multi-meter

Features

- Auto ranging meter selects the range setting of the range automatically
- Manual range button converts the meter form auto to manual ranging for selectable range limits for increased control of the reading
- Multiple dial settings offers test settings such as: AC/DV Amps, milliAmps and micro Amps, AC/DC Volts, Diode test, Continuity and Resistance (Ohms), for a wide variety of common electrical tests
- 3,260 count LCD display is large and easy to read
- Data hold button captures and locks in readings
- Protective shock absorbing boot cushions the meter if it is dropped
- Built in tilt stand allows the meter to stand upright for easier visibility
- Dial positions activate the meter along with two OFF positions for easy ON/OFF control
- Sleep mode allows the meter to turn off automatically to conserve battery life
- Analog bar graph helps visualize rapidly changing signals
- CULus 3111 agency approval insures the meter conforms to materials, components and testing set forth buy the agency for safety
- CATII 1,000V and CAT III 600V rating positions it at the higher side of this safety rating for user selection criteria



40282

448-0723

448-0722

WILLIAMS

WIRELESS BORESCOPE

Lightweight handheld design

Product Code	Description
40282	Wireless Borescope
448-0722	Side view cable/camera (17mm)
448-0723	Flex cable/camera (5.5mm)

Features

- Facilitates easy surveying of small, hard-to-reach places.
- Mini water-proof (IP67 standard) camera with 3ft. (1m) flexible extended tube.
- Increased visibility with 3X zoom capability.
- 3.5" Thin Film Transistor-LCD detachable/mountable monitor with built-in rechargeable Lithium battery.
- Video recording capability, supports up to 32GB micro SD card.
- Adjustable brightness on lens-mounted LED light.
- 3.5 inch display with 640x480 pixels.
- Lightweight handheld design making it very flexible and convenient to use.

40282 Contents Include:

- 3/8" (9mm) flexible tube with lens.
- Handle with detachable LCD monitor.
- Accessory kit (Hook, Magnet, Mirror and Rubber Ring).
- Power Adapter, USB Cable, AV output cable.
- Durable carry case with user manual.

WILLIAMS®

SET-UP WEDGES

Heavy Duty Machine Shop Tools

Product Code	Length	Width	Thick End
WG-3	3	1	¼
WG-5	5	1	½
WG-6	6	1 ¼	¾

Made in U.S.A.

Features

- Set-up wedges are used for setting-up work on planers, shapers, milling machines and other similar applications.



WG-5

WILLIAMS®

EYEBOLTS

Plain Pattern

Product Code	Shank Diameter (Inches)	Threads per Inch	Capacity of Vertical Load (lbs)	Length of Shank (Inches)	Inner Diameter (Inches)	Head Cross Section Thickness (Inches)	Overall Length (Inches)	Ultimate Strength (lbs)
EB-1T	¼	20	500	1	¾	9/32	2¼	2500
EB-2T	5/16	18	900	1 1/8	27/32	9/32	2 5/8	4500
EB-3T	⅜	16	1,300	1 ¼	1 1/32	5/16	2 29/32	6500
EB-4T	7/16	14	1,800	1 ⅜	1 1/16	⅜	3 ¼	9000
EB-5T	½	13	1,400	1 ½	1 ⅛	5/32	3 ⅝	12000
EB-6T	9/16	12	3,000	1 ⅝	1 ¼	½	3 31/32	15000
EB-7T	⅝	11	4,000	1 ¾	1 5/16	9/16	4 ⅜	20000
EB-8T	¾	10	5,000	2	1 17/32	⅝	4 25/32	25000
EB-9T	⅞	9	7,000	2 ¼	1 ⅝	13/16	5 9/16	35000
EB-10T	1	8	9,000	2 ½	1 ¾	29/32	6 ⅛	45000
EB-11T	1 ⅛	7	12,000	2 ¾	1 15/16	1 1/16	6 ⅞	60000
EB-12T	1 ¼	7	15,000	3 ½	2 5/32	1 5/32	7 ½	75000
EB-14T	1 ½	6	21,000	3 ¾	2 7/16	1 13/32	8 13/16	105000
EB-15T	1 ¾	5	28,000	3 ¾	2 25/32	1 21/32	9 ⅞	140000
EB-16T	2	4 ½	38,000	4	3 5/32	1 27/32	11	190000
EB-17T	2 ½	4	56,000	5	4	2 ¼	13 ½	280000

ANSI Spec: B18.15 1985

Made in U.S.A.

Features

- Forged from the best quality carbon steel, hardened and tempered to ensure increased strength and toughness and reduce liability or breakage.
- Each lot is tested and inspected to insure conformance to specifications.
- Available with UNC Class 2A thread only.
- Plain pattern eyebolts must never be used to lift an angular load.
- Eyebolt shanks should never be undercut or eyebolt shank diameters reduced.
- To obtain greatest strength from an eye bolt, it must fit reasonably tight in the hole into which it is screwed to prevent unscrewing due to twist of cable. Tightness and seating must be checked after initial load.



EB-9T

WILLIAMS®

EYEBOLTS

Shoulder Pattern

Product Code	Shank Diameter (Inches)	Threads per Inch	Length of Shank (Inches)	Inner Diameter (Inches)	Head Cross-Section Thickness (Inches)	Overall Length (Inches)	Shoulder Width (Inches)	Ultimate Strength (lbs)
EB-21T	¼	20	1	¾	9/32	2 7/16	9/16	2500
EB-22T	5/16	18	1 ⅛	27/32	9/32	2 ⅞	19/32	4500
EB-23T	⅜	16	1 ¼	1	5/16	3 11/32	21/32	6500
EB-24T	7/16	14	1 ⅜	1 1/16	⅜	3 23/32	27/32	9000
EB-25T	½	13	1 ½	1 5/32	7/16	4 1/32	29/32	12000
EB-26T	9/16	12	1 ⅝	1 11/32	7/32	4 13/32	15/16	15000
EB-27T	⅝	11	1 ¾	1 11/32	9/16	4 ¾	1 1/32	20000
EB-28T	¾	10	2	1 ½	11/16	5 11/32	1 5/16	25000
EB-29T	⅞	9	2 ¼	1 ⅝	13/16	6	1 7/16	35000
EB-30T	1	8	2 ½	1 13/16	⅞	6 ¾	1 ⅝	45000
EB-31T	1 ⅛	7	2 ¾	1 15/16	1 1/16	7 ½	1 ¾	60000
EB-32T	1 ¼	7	3	2 ⅛	1 3/16	8 ⅜	2 1/32	75000
EB-34T	1 ½	6	3 ½	2 19/32	1 ½	9 ⅜	2 3/16	105000
EB-35T	1 ¾	5	3 ¾	2 27/32	1 19/32	10 ¾	2 ½	140000
EB-36T	2	4 ½	4	3 5/32	1 ⅞	12	2 29/32	190000

ANSI Spec: B18.15 1985

Made in U.S.A.

Features

- Forged from the best quality carbon steel, hardened and tempered to ensure increased strength and toughness and reduce liability or breakage.
- Each lot is tested and inspected to insure conformance to specifications.
- Available with UNC Class 2A thread only.
- Eyebolt shanks should never be undercut or eyebolt shank diameters reduced.
- Shoulder eye bolts must be properly seated (should bear firmly against the mating part) otherwise the working loads must be reduced substantially. A steel washer or spacer may be required for proper seating.
- To obtain greatest strength from an eye bolt, it must fit reasonably tight in the hole into which it is screwed to prevent unscrewing due to twist of cable. Tightness and seating must be checked after initial load.



EB-29T

⚠WARNING

EYEBOLT ANGULAR LOADING RATED CAPACITY

Material Data

Grade: Carbon Steel
Heat Treat: Quench & Draw

Mechanical Properties

Grain Size: 5 or finer
Tensile: 65,000 PSI Min
Yield: 30,000 PSI Min

Elongation: 30% Min
Reduction of Area: 60% Min

					Angular Loading Rated Capacity (Pounds)			
Part Number Plain	Shank Diameter	Threads Per Inch	Capacity of Vertical Load (lbs)	Ultimate Strength (lbs)	0 Degree	30 Degree	60 Degree	90 Degree
EB-1T	1/4	20	500	2,500				
EB-2T	5/16	18	900	4,500				
EB-3T	3/8	16	1,300	6,500				
EB-4T	7/16	14	1,800	9,000				
EB-5T	1/2	13	2,400	12,000				
EB-6T	9/16	12	3,000	15,000				
EB-7T	5/8	11	4,000	20,000				
EB-8T	3/4	10	5,000	25,000				
EB-9T	7/8	9	7,000	35,000				
EB-10T	1	8	9,000	45,000				
EB-11T	1 1/8	7	12,000	60,000				
EB-12T	1 1/4	7	15,000	75,000				
EB-14T	1 1/2	6	21,000	105,000				
EB-15T	1 3/4	5	28,000	140,000				
EB-16T	2	4 1/2	38,000	190,000				
EB-17T	2 1/2	4	56,000	280,000				
EB-21T	1/4	20	500	2,500	440	70	NR	NR
EB-22T	5/16	18	900	4,500	720	170	NR	NR
EB-23T	3/8	16	1,300	6,500	1,080	335	185	150
EB-24T	7/16	14	1,800	9,000	1,480	435	275	215
EB-25T	1/2	13	2,400	12,000	1,960	695	460	365
EB-26T	9/16	12	3,000	15,000	3,140	1,220	735	600
EB-27T	5/8	11	4,000	20,000	3,140	1,220	735	600
EB-28T	3/4	10	5,000	25,000	4,600	1,950	1,095	960
EB-29T	7/8	9	7,000	35,000	6,400	2,710	1,750	1,485
EB-30T	1	8	9,000	45,000	8,400	3,595	2,450	2,160
EB-31T	1 1/8	7	12,000	60,000	10,600	4,235	3,380	2,985
EB-32T	1 1/4	7	15,000	75,000	13,400	5,540	3,675	3,285
EB-34T	1 1/2	6	21,000	105,000	19,600	8,410	5,590	5,080
EB-35T	1 3/4	5	28,000	140,000	28,000	12,100	8,250	7,370
EB-36T	2	4 1/2	38,000	190,000	38,000	15,970	10,910	9,740

NR = Not Recommended.

- No greater load should be allowed than that given under rated capacity in each table of dimensional data.
- Safety Factor: Rated capacity is figured with 5:1 safety factor for zero degree straight vertical pull.

WILLIAMS®

FLUTED SCREW EXTRACTORS

Straight, Tapered Flutes

Product Code	Drill Size (Inches)	For Use on Bolt Sizes (Inches)
EX-21A	1/8	1/4 to 5/16
EX-21B	3/16	3/8
EX-22A	7/32	7/16
EX-24A	5/16	1/2 to 9/16
EX-25B	3/8	5/8
EX-25A	15/32	3/4
EX-26A	9/16	7/8
EX-28	21/32	1 to 1 1/8
EX-29	13/16	1 1/4 to 1 3/8
EX-30	1 1/16	1 1/2



EX-26A

EXS-30 6 Piece Screw Extractor Set
Contents Include:

Product Code	Product Code	Product Code
EX-21A	EX-22A	EX-25B
EX-21B	EX-24A	EX-25A



EXS-30

EXS-10 10 Piece Screw Extractor Set
Contents Include:

Product Code	Product Code	Product Code	Product Code	Product Code
EX-21A	EX-22A	EX-25B	EX-26A	EX-29
EX-21B	EX-24A	EX-25A	EX-28	EX-30



EXS-10

Features
- Designed for quick, easy removal of left or right-handed broken screws, bolts, studs or other threaded forms.
- Drill bit sizes to be used are stamped on each extractor.
- A hole is first drilled in the broken stem and the right size Williams extractor is then inserted.

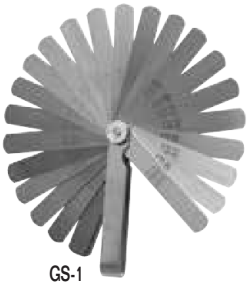
USA Made in U.S.A.

WILLIAMS®

FEELER GAUGE SET

Heavy Duty Machine Shop Tools

Product Code	Description	Thickness	Number of Blades
GS-1	Master Feeler Gauge Set	.0015 - 1/32	25



GS-1

Features
- 25 blades 3-5/16" x 1/2" in the following thicknesses: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, and .035.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

Product Code	Description	Thickness	Number of Blades
GS-2	Standard Feeler Gauge Set	.002 - .015	10



GS-2

Features
- 10 blades 3" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .007, .008, .010, .012, .015.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

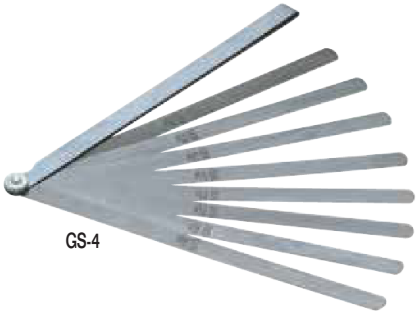
Product Code	Description	Thickness	Number of Blades
GS-3	Combination Feeler Gauge Set	.002 - .025	22



GS-3

Features
- Contains total of 22 blades.
- 10 blades 3" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015.
- 12 blades 1-3/4" x 1/4" in the following thicknesses: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .025.
- Overall length 5".
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

Product Code	Description	Thickness	Number of Blades
GS-4	Piston Feeler Gauge Set	.002 - .015	8



GS-4

Features
- 8 blades 9" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .008, .010, .015.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

USA Made in U.S.A.

WARNING



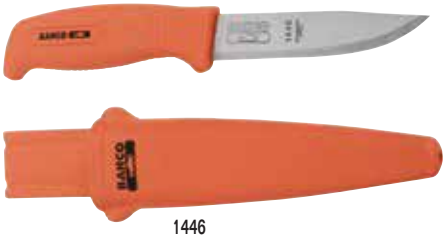
396-LAP



LAP-KNIFE



MTT151



1446



2444



2446





2448

BAHCO

LAPLANDER FOLDING SAW

General Purpose Folding Saw

Product Code	Blade Length (Inch)	Teeth Per Inch
396-LAP	9	7

Product Code	Description
LAP-KNIFE	Folding saw & Multipurpose Knife

Features

- A general purpose folding saw for cutting both green and dry wood, plastic, bone etc.
- Specially designed for wild-life enthusiasts, hunting and campers.
- XT toothing, 7TPI. Blade specially coated for rust protection and low friction.
- Two-component plastic handle for perfect grip, with leather strap.
- Safety lock, locked also when folded.

BAHCO

MULTI TOOL

Compact multipurpose tool

Product Code	Tools Included
MTT151	18

Features

- Loaded with the most versatile features, this multi tool is ready for work.
- Complete with a holder with a loop to fit any belt.
- Tools include knife, screwdriver, file, saw, can opener, bottle opener, cutting pliers and more.

BAHCO

CARPENTER'S MULTI-PURPOSE KNIFE WITH HOLSTER

With Holster

Product Code	Description	Length (Inches)
1446	Multi Purpose Knife with Holster	9
2444	Carpenter's Multi-Purpose Knife with Holster	9
2446	Multi Purpose Knife with Holster	9

Features

- Multi purpose knife with high quality steel and bi-component handle.
- Polished stainless steel blade.
- Two component handle for comfortable grip.
- Knife comes in plastic case with belt clip.
- Ideal for fishermen, hunters and for working in the garden.

BAHCO

WRECKING KNIFE

With Holster

Product Code	Description	Length (Inches)
2448	Wrecking Knife	9

Features

- The wrecking chisel knife has been designed to be used like a regular chisel or when turned sideways a 4in wide knife.
- The blade is 4mm thick and made from hardened steel and can be used like a 4in chisel with a hammer on the back of the blade for added force.
- The handle has a curved guard to protect the knuckles while in use and can also be used with a hammer.
- The wrecking knife comes in handy for all those woodworking tasks.
- The knife comes complete with a holster with button clip.

SPORTS KNIVES

Product Code	Description
KBTU-01	Knife with Twin Blade - Utility & Sports Blade
KBSK-01	Knife with 3 Inch Sport Blade-Only

Features
- Sports knives have an aluminum handle
- Stainless steel blade and mechanism
- Blade locks in position when fully unfolded
- Unlock button to avoid accidental folding



KBTU-01



KBSK-01

SNAP BLADE KNIFE

Product Code	Description
KB18-01	18mm Snap Off Knife TPR
KE18-01	ergo 18 mm Snap Off Knife
KSBG18-10P	Replacement Snap Blade - 10 pack

Features
- ABS body with comfortable TPR grip
- Blade storage in backside of the body
- Closed front of body to simplify blade snapping


KB18-01

ergo




KE18-01

SNAP BLADE KNIFE

Product Code	Description
KG09-01	9mm Snap Off Knife
KSBG09-10P	Replacement Snap Blade - 10 pack
KE18-01	ERGO® 18 mm Snap Blade Knife

Features
- ABS body smooth textured button
- Precise steel mechanism for distinct blade positioning



KG09-01



UTILITY KNIFE

Product Code	Description
KERU-01	ERGO® Retractable Utility Knife

Features
- Integrated button for smooth action and to shift blade in three distinct positions
- Curved handle for wide variety of grips
- Smart button to replace blades
- Narrow head for optimal visibility and precision
- Ideal angle for minimized muscle stress
- Optimized handle size and weight
- Smart button to store blades without opening the body

ergo





KERU-01





⚠WARNING



SQZ150003

BAHCO

SQUEEZE GRIP SAFETY KNIFE

Bi-Mold Comfort Grip Handle

Product Code	Description
SQZ150003	Squeeze Grip Safety Knife
SQZ150003-HSBL	12 Pack Hook Blades
SQZ150005-SBL	12 Pack Standard Blades

Features

- Automatically loads new knife blade with the squeeze of the handle.
- Quick release button to remove blade.
- Includes: 6 heavy-duty blades.
- Comfort handle with thumb groove for greater control and comfort.



40058

WILLIAMS

FOLDING UTILITY KNIFE

Uses Heavy-Duty .025" Thick 2-Notch Blades

Product Code	Description
40058	Folding Utility Knife

Features

- Blade safely locks in place when open.
- Quick-change thumb stud release allows for easy blade replacement.
- Stainless steel clip secures knife on belt or in pocket.
- Includes (1) .025" blade.



40052

WILLIAMS

AUTOLOAD QUICK-BLADE UTILITY KNIFE

Includes Heavy-Duty .025" Thick 2-Notch Blades

Product Code	Description
40052	Autoload Quick-Blade Utility Knife

Features

- Blade is easily removed or reversed from the front with push-button ease.
- New blade is automatically loaded from 5-blade magazine.
- Spring-loaded cover makes reloading quick and tool-free.
- Includes (5) .025" blades.



40076

WILLIAMS

UTILITY KNIFE BLADES

Feature Heavy-Duty .025" Thick 2-Notch Blades

Product Code	Description
40073	75 Blade Dispenser
40076	.025" Hook Blades (100)
40078	5-Pack Carded 2-Notch Blades

Features

- Quickblade dispensers allow fast and safe blade handling, with convenient storage for used blades.

WILLIAMS®

SAFETY UTILITY KNIVES & BLADES

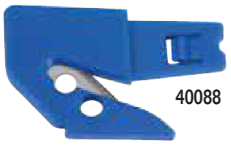
Product Code	Description
40080	Ambidextrous Safety Cutter with Holster and Lanyard
40086	5-Pack Replacement Safety Point Blades for 40080
40088	3-Pack Film Cutter Unit for 40080

Features

- Guarded spring-back blade
- Variable blade depth control for top cuts and tray cuts
- Integrated film and shrink cutter
- Safety point blade standard
- 1 step blade change
- Integrated tape splitter

Applications: cuts corrugated, cartons, taped boxes, tape , strapping, packing film and shrink film.





WILLIAMS®

DISPOSABLE SAFETY CUTTER

Product Code	Description
40082	Lightweight, ergonomic, ambidextrous disposable safety cutter

Features

- Retracting safety hooded guard prevents cuts
- NSF certified for food areas
- Safety point blade included standard
- Integrated tape splitter
- Stainless steel blade for hygiene
- 3-button mechanism for top and side cuts

Applications: multi purpose cutting, food processing areas, cuts corrugate, cartons, taped boxes, film and shrink



WILLIAMS®

DISPOSABLE FILM CUTTER

Product Code	Description
40084	Durable plastic construction and a long-lasting super sharp blade

Features

- Suitable for use in food areas
- Integrated tape slitter
- Stainless steel blade for hygiene

Applications: cuts tape, strapping, shrink wrap and film



WILLIAMS®

RECHARGEABLE MULTIFUNCTION ALUMINUM LED WORKLIGHT

Product Code	Description
5101	Rechargeable Multifunction Aluminum LED Worklight

Features

- Extra long magnet end
- Super bright
- 33 White Color LEDs
- Runtime: Flashlight: 5H 33 LEDs: 8H 20 UV LEDs: 14H
- Luminous Flux: Flashlight: 160 LM 33 LED 80 LM
- Lamp: 3W CREE XP-E LED +33 white LEDs +20 UV LEDs

Accessories included

- 1x26650 li-ion rechargeable battery, 3.7V 4000mAh, with circuit board protection from over-charging and over-discharging
- AC100-240V adaptor, 50/60Hz, Output DC4.2V 1A
- DC12V car charger, output DC4.2V 600mA



Spare parts

Product Code	Description	Product Code	Description
5101-1	Worklight Head Housing	5101-5	Worklight Tail Cap
5101-2	Reflector	5101-6	Lithium-ion rechargeable Battery
5101-3	LED & Assembly	5101-7	AC Charger
5101-4	Worklight Tube	5101-8	DC Charger

⚠WARNING


5102

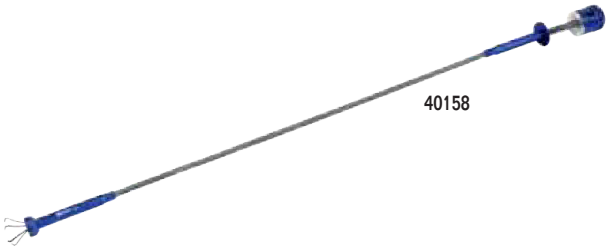

5103

WILLIAMS

LED ROTATING WORKLIGHT

Product Code	Description
5102	24 LED Rotating Magnetic Work light
5103	48 LED Rotating Magnetic Work light

Features
- Rotating head allow directional positioning
- Powerful magnetic base for secure mounting
- Includes alkaline batteries
- 5103 is two times as bright as 5102

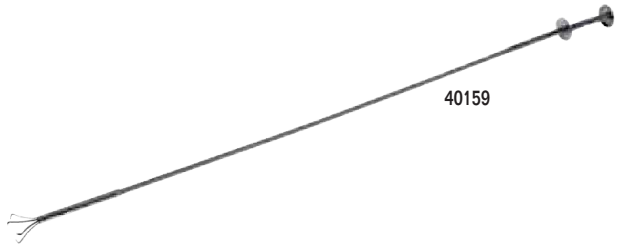

40158

WILLIAMS

LIGHTED FLEXIBLE SPRING CLAW

Product Code	# of Claws	Max Jaw Opening (inches)	Flexible Section length, inches	Overall Length (inches)
40158	4	1"	16 ¾"	25 ⅜"

Features
- Magnet able to pick up a maximum of 5 lb
- Four-jaw claw opens wide to secure hard to reach objects
- Heavy duty aluminum plunger with convenient side switch turns on/off bright LED light
- Tightly wound, flexible spring snakes into tight areas.
- Includes two round CR2032 Lithium batteries


40159

WILLIAMS

FLEXIBLE SPRING CLAW

Product Code	# of Claws	Max Jaw Opening (inches)	Flexible Section length, inches	Overall Length (inches)
40159	4	¾"	16"	23 ½"

Features
- Tightly wound, Flexible spring snakes into tight areas
- Four-jaw claw opens wide to secure hard to reach objects.


40151
40152
40155
40156

WILLIAMS

TELESCOPING MAGNETIC PICK UP TOOLS

Product Code	Lifts (lbs)	Overall Length (Inches)	Extends to
40151	2 ½	6 ⅝"	33 ¼"
40152	5	6 ⅝"	33 ¼"
40153	10	8 ¼"	30 ¼"
40154	2 ½	6 ½"	25 ½"
40155	1 ½	5 ⅝"	25 9/16"
40155-30P		30 pack counter display	

Features
- Stainless Steel Shaft
- 40154 and 40155 Chrome Shaft
- Black cushion grip will not slip in oily or wet hands
- Powercap® shields sides of magnet for focused lifting
- Includes pocket clip

WILLIAMS

DOUBLE POINTED SCRIBER

Product Code	Description
40156	Double Pointed Scriber

Features
- One straight end and one 90 degree angle for detail work around small objects

WILLIAMS®

LED TELESCOPING MIRRORS

Product Code	Mirror Diameter	Overall Length (Inches)	Extends to
40255	2 3/8"	6 1/2"	37"
40256	2 1/4" x 3 1/2"	6 1/2"	30 1/4"

Features
- Stainless Steel Shaft
- Cushion grip will not slip in oily or wet hands
- Batteries included.



WILLIAMS®

TELESCOPING INSPECTION MIRRORS

Product Code	Mirror Diameter	Overall Length (Inches)	Extends to
40252	1 1/4"	6 1/2"	35"
40253	2 1/4"	6 1/2"	36 3/8"
40254	3 1/4"	6 1/2"	29 1/2"

Features
- Stainless Steel Shaft
- Cushion grip will not slip in oily or wet hands



WILLIAMS®

SWIVEL INSPECTION RECTANGULAR MIRROR

Product Code	Mirror Diameter	Overall Length (Inches)	Extends to
40257	2 1/8" x 3 1/2"	11 1/4"	15 1/4"

Features
- Vinyl Grip
- Double ball joints allow mirror to swivel 360 degrees
- Glass Mirror
- Stainless Steel Mirror Back
- Non-rotating telescoping rods



BAHCO®

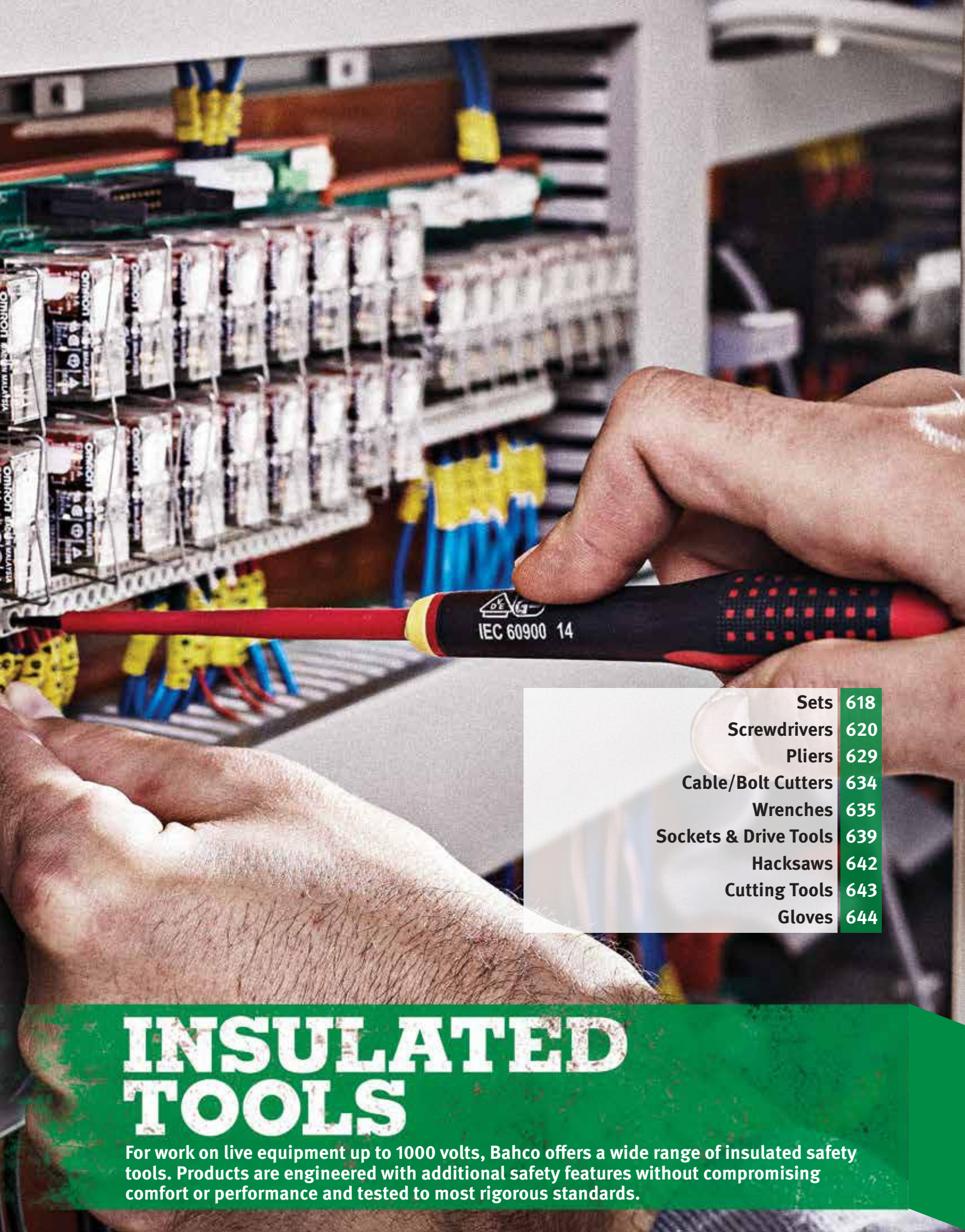
GENERAL PURPOSE GLOVES

Product Code	Size
GL008-10US	Large

Features
- General purpose work gloves.
- A thin PU material gives that user better touch and feel.



⚠WARNING



Sets	618
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Wrenches	635
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INSULATED TOOLS

For work on live equipment up to 1000 volts, Bahco offers a wide range of insulated safety tools. Products are engineered with additional safety features without compromising comfort or performance and tested to most rigorous standards.

Insulated Tools



Your safety is our highest priority!

Bahco has been designing and manufacturing professional tools for over 120 years. Our core value is product performance, and the tools which perform the best are also usually the safest tools.

Bahco tools are sold worldwide, but they are always backed up with local expertise. With a range of more than 200 insulated tools, Bahco offers one of the widest and most comprehensive assortments of insulated tools on the market.

All Bahco insulated tools are manufactured according to International IEC60900 & ASTM F1505-94 standards for working with live systems up to 1000VAC & 1500VDC. They follow strict quality controls and are submitted to the most stringent tests.

Bahco insulated tools comply with VDE0820 Standards and 63% of the assortment is certified by the German VDE laboratory. The new Bahco 1000V assortment is designed to get the job done quickly and safely.

Quality guarantee

Bahco tools are engineered to achieve a high level of technical performance. The materials used are high quality and they have been carefully chosen and tested in order to provide safety and durability.

Bahco is one of the few hand-tool manufacturers that make the tools and the insulation in-house. Both the PVC dipped insulated version (most of the tools) and the handle version (pliers and screwdrivers) are manufactured entirely in Bahco factories.

Each tool is tested to 10,000 V for a period of 10 seconds to provide a high level of protection during live work.



Routine tests in accordance with IEC60900 specification



Dielectric test
The tools shall be immersed in water for 24 hours. A voltage of 10 kV shall then be continuously applied for 3 min. The test shall be considered successful if no electrical puncture, sparkover or flashover occurs during the test period, and if the limits of leakage current are not exceeded.



Impact test
The tool is cooled at -25° C for two hours. Afterwards, a special hammer applies force on the insulating layer. The test shall be considered successful if the insulating material shows no breaks.



Insulation adhesion test
The tools shall be conditioned at a temperature of 70° C for 168 h. A force of 50 N shall be applied in the direction of the line dividing the insulating material coating from the conductive part for 3 min. The insulation material must during this test stay firmly attached to the basic tool.



Flame test
The test shall be considered as passed if the flame height on the tool does not exceed 120 mm and there is no leakage of insulated material in fusion.



Retaining force test
This test is applied only to tools capable of being assembled. Consists of applying a force of 50 N to try to separate both tools. After a minute, both tools have to stay assembled.



Permanent marking durability
The markings shall be rubbed for 15 s with a rag soaked in water, and then for 15 s with a rag soaked in isopropanol. After this rubbing, the marking shall still be legible.



Penetration test
The insulating surface is pressed with a special device. A voltage of 5000 V is then applied to the tool for 3 minutes. The test shall be considered successful if no electrical puncture, sparkover or flashover occurs during the test period.



Visual and dimensional
The tool (in particular the insulation) shall be visually checked and shall be free from external defects. The marking has to be perfectly legible and the dimensions should be in accordance with the standard.

63% of Bahco insulated tools are certified by the German VDE laboratory

1000V 11 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

Product Code	Description
7811DMV	1000V 11 Piece 1/2" Drive Socket and Drive Tool Set

Contents Include:

1/2" Drive Tools

Product Code	Description
8150-1/2V	1000V Ratchet
8154-1/2V	1000V T-Handle
8160-1/2V	1000V Extension
813VDE-5.5-125	Screwdriver VDE Slotted

1/2" Drive Sockets

Product Code	Size (mm)
7800DMV-10	10
7800DMV-11	11
7800DMV-13	13
7800DMV-17	17
7800DMV-19	19
7800DMV-20	20
7800DMV-22	22

Features

- For work on electrical installations.
- Includes shock resistant plastic case

1000V



7811DMV

1000V 10 PIECE TOOL SET

Product Code	Description
3045V-1	1000V 10 Piece Tool Set

Contents Include:

1000V Tools

Product Code	Description
2171V-160	Side Cutting Pliers
2678V-180	Combination Pliers
2223V-150	Wire Stripping Pliers
BE-8220S	9" Slotted ergo® Screwdriver, ½ Tip
BE-8040S	8 ¾" Slotted ergo® Screwdriver, 5/32 Tip
BE-8050S	8 ¾" Slotted ergo® Screwdriver, 7/32 Tip
BE-8610S	8" Phillips ergo® Screwdriver, PH 1
BE-8620S	8 ¾" Phillips ergo® Screwdriver, PH 2
2820VP	Knife with Straight Blade
SC127V	Electrician Scissors

Features

- For work on electrical installations
- A compact resistant case with basic assortment of 1000V tools

1000V



3045V-1

WARNING



3045V-2

1000V 19 PIECE TOOL SET

Product Code	Description
3045V-2	1000V 19 Piece Tool Set

Contents Include:

1000V Tools

Product Code	Description
2171V-160	Side Cutting Pliers
2678V-180	Combination Pliers
2430V-160	Snip Nose Pliers
2223V-150	Wire Stripping Pliers
BE-8220S	9" Slotted ergo® Screwdriver, ½ Tip
BE-8040S	8 ¾" Slotted ergo® Screwdriver, 5⁄32 Tip
BE-8050S	8 ¾" Slotted ergo® Screwdriver, 7⁄32 Tip
BE-8255S	10 ¾" Slotted ergo® Screwdriver, ¼ Tip
BE-8610S	8" Phillips ergo® Screwdriver, PH 1
BE-8620S	8 ¾" Phillips ergo® Screwdriver, PH 2
2820VP	Knife with Straight Blade
SC150NGV	Electrician Scissors

1000V Open End Wrenches

Product Code	Size (mm)
6MV-10	10
6MV-11	11
6MV-12	12
6MV-13	13
6MV-14	14
6MV-17	17
6MV-18	18
6MV-19	19

Features

- For work on electrical installations
- A compact resistant case with basic assortment of 1000V tools

1000V



6MV/8T

1000V 8 PIECE OPEN END WRENCH SET, METRIC

Product Code	Description
6MV/8T	1000V 8 Piece Open End Wrench Set, Metric

Contents Include:

1000V Tools

Product Code	Size (mm)
6MV-10	10
6MV-11	11
6MV-12	12
6MV-13	13
6MV-14	14
6MV-17	17
6MV-18	18
6MV-19	19

Features

- For work on electrical installations
- Supplied in a pouch

1000V

5 PIECE ERGO® 1000V SCREWDRIVER SET

Three Component Handle with Black Oxide Tips

Product Code	Description
BE-9881S	5 Piece ERGO® Screwdriver Set Phillips® / Slotted

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width /Point Size
BE-8220S	9	4	1/8
BE-8040S	8 3/4	4	5/32
BE-8050S	8 3/4	4	7/32
BE-8610S	8	3 5/32	#1
BE-8620S	8 3/4	4	#2

Features

- Contains 3 slotted and 2 Phillips® screwdrivers.
- For work on live equipment up to 1000 volts.
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Chrome blades prevent corrosion and can be easily cleaned.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.

1000V



BE-9881S

5 PIECE ERGO 1000V SCREWDRIVER WITH SLIM BLADE SET

Three Component Handle with Black Oxide Tips

Product Code	Description
BE-9881SL	5 Piece ergo Mixed Screwdriver with Slim Blade Set

Contents Include:

Product Code	Overall Length	Blade Length	Tip/Width/Point Size
BE-8220SL	8 3/4	4	1/8
BE-8610SL	8	4	1
BE-8620SL	8 3/4	5	2
BE-8050SL	9 3/4	5	7/32
BE-8040SL	8 3/4	4	5/32

Features

- Insulated screwdriver with SLIM blades developed according to the scientific ERGO™ process
- For work on live equipment up to 1000 volts
- Handle: 3-component handle, for maximum user comfort.
- Color coded handle with the screw type symbol on the domed end for easy identification of the tip
- High performance alloy steel blade, insulation molded directly onto blade. Black finish tip for higher accuracy
- Reduced blade diameter. The blades are 30% slimmer than regular insulated blades for better accessibility
- ISO 2380 / DIN 5264
- Individually inspected and manufactured according to IEC 60900



BE-9881SL

WARNING



BE9890SL

ergo



BAHCO

2 PIECE ERGO 1000V SCREWDRIVER WITH SLIM BLADE SET

Three Component Handle with Black Oxide Tips

Product Code	Description
BE-9890SL	2 Piece ergo Screwdriver with Slim Blade Combination Tip Set

Contents Include:

Product Code	Overall Length	Blade Length	Point Size Pozidriv®	Tip Width (inches)
BE-8710SL	8	4	1	3/16
BE-8720SL	8 1/2	5	2	1/4

Features

- Insulated screwdriver with SLIM blades developed according to the scientific ERGO™ process.
- For work on live equipment up to 1000 volts.
- Handle: 3-component handle, for maximum user comfort.
- Color coded handles indicate tip type and show tip type symbol on bottom of handle for quick identification.
- High performance alloy steel blade, insulation molded directly onto blade. Black finish tip for higher accuracy.
- Reduced blade diameter. The blades are 30% slimmer than regular insulated blades for better accessibility.
- ISO 2380 / DIN 5264
- Individually inspected and manufactured according to IEC 60900.



BE-9891SL

ergo



BAHCO

2 PIECE ERGO 1000V SCREWDRIVER WITH SLIM BLADE SET

Three Component Handle with Black Oxide Tips

Product Code	Description
BE-9891SL	2 Piece ergo Screwdriver with Slim Blade Phillips Set

Contents Include:

Product Code	Overall Length	Blade Length	Point Size
BE-8610SL	8	4	1
BE-8620SL	8 3/4	5	2

Features

- Insulated screwdriver with SLIM blades developed according to the scientific ERGO™ process.
- For work on live equipment up to 1000 volts
- Handle: 3-component handle, for maximum user comfort.
- Color coded handles indicate tip type and show tip type symbol on bottom of handle for quick identification.
- High performance alloy steel blade, insulation molded directly onto blade. Black finish tip for higher accuracy.
- Reduced blade diameter. The blades are 30% slimmer than regular insulated blades for better accessibility.
- ISO 2380 / DIN 5264
- Individually inspected and manufactured according to IEC 60900.

7 PIECE BAHCOFIT 1000V MIXED SCREWDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Description
B220.027	7 Piece BAHCOFIT Screwdriver Set Slotted/Phillips

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B196.030.100	7 3/4"	4"	1/8"
B196.040.100	7 3/4"	4"	5/32"
B196.055.125	8 3/4"	5"	7/32"
B197.000.075	6 3/4"	3"	# 0
B197.001.080	7"	3.2"	# 1
B197.002.100	8"	4"	# 2
806-1-1	6"	3 1/3"	1/8"

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B220.027

7 PIECE BAHCOFIT 1000V MIXED SCREWDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Description
B220.007	7 Piece BAHCOFIT Screwdriver Set Slotted/Phillips

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B196.030.100	7 3/4"	4"	1/8"
B196.040.100	7 3/4"	4"	5/32"
B196.055.125	8 3/4"	5"	7/32"
B196.065.150	10"	6"	1/4"
B197.000.075	6 3/4"	3"	# 0
B197.001.080	7"	3.2"	# 1
B197.002.100	8"	4"	# 2

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B220.007

7 PIECE BAHCOFIT 1000V MIXED SCREWDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Description
B220.017	7 Piece BAHCOFIT Screwdriver Set Slotted/Pozidriv

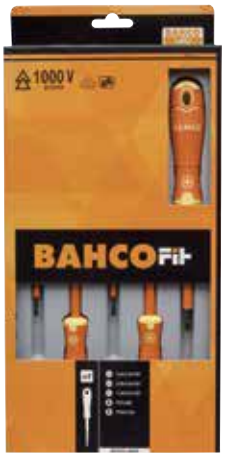
Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B196.025.075	6 3/4"	3"	3/32"
B196.040.100	7 3/4"	4"	5/32"
B196.055.125	8 3/4"	5"	7/32"
B196.065.150	10"	6"	1/4"
B142.000.075	6 3/4"	3"	# 0
B142.001.080	7"	3.2"	# 1
B142.002.100	8"	4"	# 2



B220.017

WARNING



B220.005

5 PIECE BAHCOFIT 1000V MIXED SCREWDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Description
B220.005	5 Piece BAHCOFIT Screwdriver Set Slotted/Phillips

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B196.030.100	7 3/4"	4"	1/8"
B196.040.100	7 3/4"	4"	5/32"
B196.055.125	8 3/4"	5"	7/32"
B197.001.080	7"	3.2"	# 1
B197.002.100	8"	4"	# 2

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B220.015

5 PIECE BAHCOFIT 1000V MIXED SCREWDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Description
B220.015	5 Piece BAHCOFIT Screwdriver Set Slotted/Pozidriv

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B196.035.100	7 3/4"	4"	9/64"
B196.040.100	7 3/4"	4"	5/32"
B196.065.150	10"	6"	1/4"
B142.001.080	7"	3.2"	# 1
B142.002.100	8"	4"	# 2

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.



B220.002

2 PIECE BAHCOFIT 1000V MIXED SCREWDRIVERS

Two Component Handle with Black Oxide Tip

Product Code	Description
B220.002	2 Piece BAHCOFIT Screwdriver Set Slotted/Phillips

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B196.030.100	7 3/4"	4"	1/8"
B197.001.080	7"	3.2"	# 1

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

7 PIECE INSULATED RATCHETING SCREWDRIVER SETS

A must have tool for electricians.

Product Code	Style	Blade Tip Sizes Included
808061	Phillips and Slotted Blades	PH1, PH2, 0.4X2.5, 0.5X3.0, 0.8X4.0, 1.0X 5.5,Handle
808062	Pozidriv and Slotted Blades	PZ1, PZ2, 0.4X2.5, 0.5X3.0, 0.8 X 4.0, 1.0 X 5.5, Handle

Spare Blades & Handles:

Product Code	Description
808060	Spare Handle
8610SL-2P	PH1
8620SL-2P	PH2
8810SL-2P	PZ1
8820SL-2P	PZ2
8010SL-2P	.4 x 2.5
8220SL-2P	.5 x 3.0
8040SL-2P	.8 x 4.0
8050SL-2P	1 x 5.5
8910SL-2P	T10
8915SL-2P	T15
8920SL-2P	T20
8925SL-2P	T25
8930SL-2P	T30
8510SL-2P	Combi-tip PH1 / 5.0x100
8520SL-2P	Combi-tip PH2 / 6.0x100
8710SL-2P	Combi-tip PZ1 / 5.0x100
8720SL-2P	Combi-tip PZ2 /6.0x100

Features

- The blade release system built in the comfortable handle makes it easy and safe to change the slim blades without the blades falling out.
- The blades are 30% slimmer than the blade of a regular insulated screwdriver for better accessibility and more applications such as sunken screws and spring elements.
- For working on live equipment up to 1000 volts.
- Complete with roll up pouch with clear 1000v indication
- IEC 60900 compliant
- Blades furnished in 2-packs

1000V



808061



The blade release system built in the comfortable handle makes it easy and safe to change the slim blades without the blades falling out. The blades are 30% slimmer than the blade of a regular insulated screwdriver for better accessibility and more applications (e.g. sunken screws and spring elements). a must have tool for electricians.



RATCHETING

The 808060 has a 48 tooth non-conductive ratcheting mechanism

WARNING

ergo BAHCO



1000V ERGO® SLOTTED SCREWDRIVERS

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
BE-8010S	8	3	3/32
BE-8220S	8 3/4	4	1/8
BE-8230S	9 3/4	5	9/64
BE-8040S	8 3/4	4	5/32
BE-8050S	9 3/4	5	7/32
BE-8255S	10 3/4	6	1/4
BE-8065S	11 3/4	7	5/16

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.

1000V



BE-8255S

ergo BAHCO



1000V ERGO® PHILLIPS® SCREWDRIVERS

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
BE-8600S	6 3/8	2 3/8	0
BE-8610S	8	3 5/32	1
BE-8620S	8 3/4	4	2
BE-8630S	10 3/4	6	3
BE-8640S **	14 1/4	8	4

** Dual grip handle for two-handed operation provides extra torque when necessary

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Color coded handles indicates tip type and show tip type symbol on bottom of handle for quick identification.
- Black oxide tips prevent chipping of chrome to reduce possible contamination at work location.

1000V



BE-8620S

BE-8640S

1000V ERGO SLOTTED SCREWDRIVERS WITH SLIM BLADES

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (inches)	Blade Length (inches)	Tip Width (inches)
BE-8255SL	10 3/4"	6"	1/4"
BE-8230SL	8 3/4"	4"	9/64"
BE-8220SL	8 3/4"	4"	1/8"
BE-8050SL	9 3/4"	5"	7/32"
BE-8040SL	8 3/4"	4"	5/32"

Features

- Insulated screwdriver with SLIM blades for slotted head screws developed according to the scientific ERGO™ process
- For work on live equipment up to 1000 volts
- Handle: 3-component handle, for maximum user comfort.
- Color coded handles indicate tip type and show tip type symbol on bottom of handle for quick identification.
- High performance alloy steel blade, insulation molded directly onto blade. Black finish tip for higher accuracy
- Reduced blade diameter. The blades are 30% slimmer than regular insulated blades for better accessibility
- ISO 2380 / DIN 5264
- Individually inspected and manufactured according to IEC 60900



BE-8220SL

1000V ERGO PHILLIPS SCREWDRIVERS WITH SLIM BLADES

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (inches)	Blade Length (inches)	Point Size
BE-8610SL	8"	4"	1
BE-8620SL	8 3/4"	5"	2

Features

- Insulated screwdriver with SLIM blades for Phillips head screws developed according to the scientific ERGO™ process
- For work on live equipment, up to 1000 V.
- Handle: 3-component handle, for maximum user comfort.
- Color coded handles indicate tip type and show tip type symbol on bottom of handle for quick identification.
- High performance alloy steel blade, insulation molded directly onto blade. Black finish tip for higher accuracy.
- Reduced blade diameter. The blades are 30% slimmer than regular insulated blades for better accessibility.
- ISO 8764 / DIN 5260
- Individually inspected and manufactured according to IEC 60900.



BE-8610SL

1000V ERGO COMBINATION TIP SCREWDRIVERS WITH SLIM BLADES

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (inches)	Blade Length (inches)	Point Size	Tip Width (inches)
BE-8510SL	8 1/2"	5"	1	3/16"
BE-8520SL	8"	4"	2	1/4"

Features

- Insulated screwdriver with SLIM blades for combination slotted/Phillips tip head screws developed according to the scientific ERGO™ process.
- For work on live equipment, up to 1000 V.
- Handle: 3-component handle, for maximum user comfort.
- Color coded handles indicate tip type and show tip type symbol on bottom of handle for quick identification.
- High performance alloy steel blade, insulation molded directly onto blade. Black finish tip for higher accuracy.
- Reduced blade diameter. The blades are 30% slimmer than regular insulated blades for better accessibility.
- ISO 8764 / DIN 5260
- Individually inspected and manufactured according to IEC 60900.



BE-8520SL

⚠WARNING

1000V ERGO COMBINATION TIP SCREWDRIVERS WITH SLIM BLADES

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (inches)	Blade Length (inches)	Point Size	Tip Width (inches)
BE-8710SL	8"	4"	1	3/16"
BE-8720SL	8 1/2"	5"	2	1/4"



BE-8710SL

Features

- Insulated screwdriver with SLIM blades for combination slotted/Pozidriv tip head screws developed according to the scientific ERGO™ process
- For work on live equipment, up to 1000 V
- Handle: 3-component handle, for maximum user comfort.
- Color coded handles indicate tip type and show tip type symbol on bottom of handle for quick identification.
- High performance alloy steel blade, insulation molded directly onto blade. Black finish tip for higher accuracy
- Reduced blade diameter. The blades are 30% slimmer than regular insulated blades for better accessibility
- ISO 8764 / DIN 5260
- Individually inspected and manufactured according to IEC 60900

1000V ERGO POZIDRIV® SCREWDRIVERS WITH SLIM BLADES

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (inches)	Blade Length (inches)	Point Size
BE-8810SL	8"	4"	1
BE-8820SL	12 1/2"	8"	2



BE-8810SL

Features

- Insulated screwdriver with SLIM blades for Pozidriv head screws developed according to the scientific ERGO™ process
- For work on live equipment, up to 1000 V
- Handle: 3-component handle, for maximum user comfort.
- Color coded handles indicate tip type and show tip type symbol on bottom of handle for quick identification.
- High performance alloy steel blade, insulation molded directly onto blade. Black finish tip for higher accuracy
- Reduced blade diameter. The blades are 30% slimmer than regular insulated blades for better accessibility
- ISO 8764 / DIN 5260
- Individually inspected and manufactured according to IEC 60900

1000V ERGO TORX® SCREWDRIVERS WITH SLIM BLADES

Three Component Handle with Black Oxide Tips

Product Code	Overall Length (inches)	Blade Length (inches)	TORX® Size
BE-8910SL	7 3/8"	4"	T10
BE-8915SL	7 3/8"	4"	T15
BE-8920SL	7 3/8"	4"	T20
BE-8925SL	8"	5"	T25
BE-8930SL	8 3/4"	6"	T30



BE-8910SL

Features

- Insulated screwdriver with SLIM blades for TORX® head screws developed according to the scientific ERGO™ process
- For work on live equipment, up to 1000 V
- Handle: 3-component handle, for maximum user comfort.
- Color coded handles indicate tip type and show tip type symbol on bottom of handle for quick identification.
- High performance alloy steel blade, insulation molded directly onto blade. Black finish tip for higher accuracy
- Reduced blade diameter. The blades are 30% slimmer than regular insulated blades for better accessibility
- ISO 8764 / DIN 5260
- Individually inspected and manufactured according to IEC 60900

1000V BAHCOFIT SLOTTED SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
B196.025.075	6 3/4"	3"	3/32"
B196.030.100	7 3/4"	4"	1/8"
B196.035.100	7 3/4"	4"	9/64"
B196.040.100	7 3/4"	4"	5/32"
B196.055.125	8 3/4"	5"	7/32"
B196.065.150	10"	6"	1/4"
B196.080.175	11 1/2"	7"	5/16"
B196.100.200	12 1/2"	8"	3/8"
B196.120.200	12 1/2"	8"	1/2"



B196.035.100

1000V BAHCOFIT PHILLIPS SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
B197.000.075	6 3/4"	3"	0
B197.001.080	7"	3.2"	1
B197.002.100	8"	4"	2
B197.003.150	10 1/2"	6"	3
B197.004.200	12 1/2"	8"	4



B197.002.100

1000V BAHCOFIT POZIDRIV SCREWDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
B142.000.075	6 3/4"	3"	# 0
B142.001.080	7"	3.2"	# 1
B142.002.100	8"	4"	# 2
B142.003.150	10 1/2"	6"	# 3



B142.002.100

1000V BAHCOFIT NUTDRIVER

Two Component Handle with Black Oxide Tip

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (mm)
B199.055.125	9"	5"	5.5
B199.060.125	9"	5"	6
B199.070.125	9 1/2"	5"	7
B199.080.125	9 1/2"	5"	8
B199.090.125	9 1/2"	5"	9
B199.100.125	9 1/2"	5"	10
B199.110.125	9 1/2"	5"	11
B199.120.125	9 1/2"	5"	12
B199.130.125	9 1/2"	5"	13



B199.055.125

Features

- The two component handle is a patented design which is 75% rubber and with vertical grooves provides the perfect grip.
- Tip type symbol on the handle for quick identification
- Black oxide tips prevent chipping of chrome to reduce possible contamination of work location.
- High performance alloy steel blades prevent corrosion and can be easily cleaned.

WARNING


806-1-1

BAHCO

BAHCOFIT VOLTAGE TESTER

Clear transparent plastic hand, impact resistant

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (mm)
806-1-1	6"	3 1/3"	1/8

Features

- Mains tester 150-250V
- Handle is clear transparent plastic handle, impact resistant
- Blade is high quality steel, Nickel plated blade. Plastic protection up to the tip


2203V-8

BAHCO

1000V HEAVY DUTY STRAIGHT HEAD DIAGONAL CUTTING PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
2203V-5	5 1/4	9/16	1/16 Piano Wire
2203V-8	8 3/16	13/16	3/32 Piano Wire

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- High frequency hardened cutting edges hold their precision sharpened cutting surfaces.

1000V


2213V-8

BAHCO

1000V HEAVY DUTY ANGLED HEAD DIAGONAL CUTTING PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
2213V-8	8 1/16	13/16	3/32 Piano Wire

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- High leverage joint placement to reduce the cutting force. Unique screw joint design ensures a smooth joint action.
- The 14 degree angled head enables better accessibility in working situations and leaves free space for your hand.

1000V

1000V COMBINATION PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)
2678V-180	7

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Cuts from 1.0 mm soft wire to 1.6 mm hard wire
- Chrome plated finish

ISO: 5746 DIN: 5746

1000V



2678V-180

1000V WIRE STRIPPING PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)
2223V-150	6 ¼

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Maximum cable diameter 5 mm; Maximum cable section 10 mm 2
- Chrome plated finish

1000V



2223V-150

1000V ROUND NOSE PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)
2521V-160	6 ¼

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Suited for wire-bending work
- Chrome plated finish

ISO: 5745 DIN: 5745

1000V



2521V-160

WARNING


2430V-160

1000V SNIPE NOSE PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)	Jaw Length (inches)
2430V-160	6 1/4	1 7/8
2430V-200	8	2 7/8

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Cutting capacity from 1.0 mm soft wire to 1.6 mm hard wire
- Chrome plated finish

ISO: 5745 DIN: 5745

1000V


2427V-200

1000V SNIPE NOSE PLIERS BENT TIP 60°

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)	Jaw Length (inches)
2427V-200	8	2 3/4

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Tips angled at 60°
- Cutting capacity from 1.0 mm soft wire to 1.6 mm hard wire
- Chrome plated finish

ISO: 5745 DIN: 5745

1000V


2421V-160

1000V FLAT NOSE PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)	Jaw Length (inches)
2421V-160	6 1/4	1 7/8

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Good grip and improved accessibility in confined spaces
- Chrome plated finish

ISO: 5745 DIN: 5745

1000V

1000V END CUTTING PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)	Jaw Length (inches)
527V-160	6 ¼	¼
527V-200	8	¼

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Cuts from 1.0 mm soft wire to 1.6 mm hard wire
- Chrome plated finish

ISO: 5748 DIN: 5748

1000V



527V-160

1000V SIDE CUTTING PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)	Jaw Length (inches)
2171V-160	6 ¼	¾
2171V-180	7	¾

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Cuts from 0.5 mm soft wire to 1.6 mm hard wire
- Chrome plated finish

ISO: 5749, DIN: 5749

1000V



2171V-180

1000V HEAVY DUTY SIDE CUTTING PLIERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)	Jaw Length (inches)
2191V-200	8	¾

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Cuts piano wire
- Chrome plated finish

ISO: 5749, DIN: 5749

1000V



2191V-200

WARNING


2628S

BAHCO

1000V SIDE CUTTING COMBINATION PLIERS

With Insulated Grips

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
2628S-180	7	1 7/16	5/64 Hard Steel
2628S-200	8	1 1/2	7/64 Hard Steel

Features

- Extra thick grip handles with thumb stops, provides protection up to 1000 volts.
- High-leverage joint placement to reduce the cutting force. Joint design ensures a smooth joint action.
- Heavy-duty design - high performance tool steel construction adds extra strength.

1000V


2101S

BAHCO

1000V DIAGONAL CUTTING PLIERS

With Insulated Grips

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Maximum Cutting Capacity (Inches)
2101S-140	5 1/2	5/8	1/16 Piano Wire
2101S-160	6 1/4	3/4	1/16 Piano Wire
2101S-180	7	13/16	5/64 Piano Wire

Features

- Extra thick grip handles with thumb stops, provides protection up to 1000 volts.
- Edges near the joint are shaped for cutting hard materials such as thick single wires.
- Towards the tip they are adapted for soft materials and for stripping wires of thinner dimensions.
- Jaws are made from specially hardened steel so they stay sharp longer.

1000V


2430S


2427S

BAHCO

1000V NOSE PLIERS

With Insulated Grips

Product Code	Style	Overall Length (Inches)	Maximum Cutting Capacity (Inches)
2430S-200	straight	8	1/16 Hard Steel
2427S-200	curved	8	5/64 Hard Steel

Features

- High performance tool steel construction adds extra strength.
- Extra thick grip handles with thumb stops, provides protection up to 1000 volts.

1000V

1000V CABLE CUTTER

With Insulated Grips

Product Code	Overall Length (Inches)	Cable Cutting Capacity (Inches) / Description	Replacement Blade Kit
2520S	23 5/8	1 3/16 Aluminum/Copper without Messenger Wire	2520-SH

Features

- For cuts on ferrous material, only use cutting notch that is provided below top cutting blades in jaws.
- Extra thick grip handles on insulated cutter provides protection up to 1000 volts.

1000V



2520S

1000V RATCHET ACTION CABLE CUTTER

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)	Cutting Capacity (Inches)
2806-35V	9	1 ½
2806-52V	13	2

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- One hand operation, easy release of the movable jaw
- For cutting copper and aluminum cables
- Not suitable for hard copper, steel cables, or internal steel wire cables
- Clean and smooth cut without distortion

1000V



2806-35V

1000V BOLT CUTTER

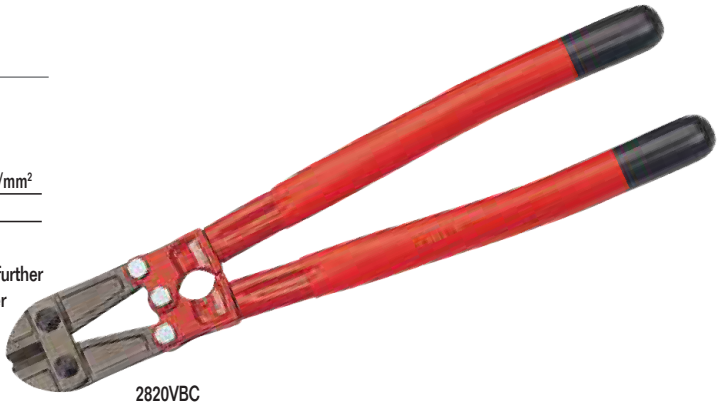
For protection against inadvertent shock when working on circuits up to 1000V.

		Wire types Ø mm w		
Product Code	Length (inches)	80kg/mm²	120kg/mm²	160kg/mm²
2820VBC	25	9	8	7

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Forged head; Induction hardened cutting edges
- Long arms with lever-action head, allows cutting of hard wires with very little effort.

1000V



2820VBC

WARNING


2ZV-5/8

1000V OFFSET BOX END WRENCH - SAE

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Size (Inches)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)
2ZV-5/16	5/16	6	1/2	1/4
2ZV-3/8	3/8	6 1/4	5/8	1/4
2ZV-7/16	7/16	7	3/4	3/8
2ZV-1/2	1/2	7 1/2	3/4	3/8
2ZV-9/16	9/16	7 3/4	1	3/8
2ZV-5/8	5/8	7 7/8	1	3/8
2ZV-3/4	11/16	8	1	3/8
2ZV-11/16	3/4	8 3/4	1 1/8	3/8
2ZV-13/16	13/16	9 1/4	1 1/4	1/2
2ZV-7/8	7/8	9 2/3	1 1/4	1/2
2ZV-15/16	15/16	10 1/2	1 3/8	1/2
2ZV-1	1	10 3/4	1 1/2	1/2
2ZV-1.1/16	1 1/16	11	1 1/2	1/2

Features

- 2 layer coating insulation with different colors plus a 3rd one in black to further protect handle edges on spanners from 6 mm to16 mm. Red: safety. Yellow: danger
- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges on spanners from 17 mm to 32 mm. Red: safety. Orange: danger. Yellow: high danger
- Material: Chrome-Vanadium steel

Opening tolerance according to ISO 691

1000V


2MV16

1000V OFFSET BOX END WRENCH - METRIC

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Size (mm)	Overall Length (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)
2MV6	6	5 1/2	3/8	1/4
2MV7	7	5 3/4	1/2	1/4
2MV8	8	6	1/2	1/4
2MV9	9	6	5/8	1/4
2MV10	10	6 1/4	5/8	1/4
2MV11	11	6 3/4	3/4	1/4
2MV12	12	7	3/4	3/8
2MV13	13	7	3/4	3/8
2MV14	14	7 1/2	3/4	3/8
2MV15	15	7 3/4	1	3/8
2MV16	16	7 7/8	1	3/8
2MV17	17	8	1	3/8
2MV18	18	8 1/2	1	3/8
2MV19	19	8 3/4	1 1/8	3/8
2MV21	21	9 1/4	1 1/4	1/2
2MV22	22	9 2/3	1 1/4	1/2
2MV23	23	10	1 3/8	1/2
2MV24	24	10 1/2	1 3/8	1/2

Features

- 2 layer coating insulation with different colors plus a 3rd one in black to further protect handle edges on spanners from 6 mm to 16 mm. Red: safety. Yellow: danger
- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges on spanners from 17 mm to 32 mm. Red: safety. Orange: danger. Yellow: high danger
- Material: Chrome-Vanadium steel

Opening tolerance according to ISO 691

1000V


2820V13

1000V CROSS WRENCH

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (mm)	Opening (mm)
2820V13	210	7x9x11x13
2820V17	210	8x10x13x17

Features

- 2 layer coating insulation with different colors Red: safety. Yellow: danger
- Material: Chrome-Vanadium steel
- 6 point openings with standard profile

Opening tolerance according to ISO 691

1000V

1000V OPEN END WRENCH - SAE

For protection against inadvertent shock when working on circuits up to 1000V

Product Code	Size (Inches)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Layers Coating
6ZV-5/16	5/16	3 5/8	11/16	3/16	2
6ZV-3/8	3/8	4 1/4	15/16	3/16	2
6ZV-7/16	7/16	4 9/16	1	3/16	2
6ZV-1/2	1/2	5 1/2	1 1/4	1/4	2
6ZV-9/16	9/16	6	1 1/4	1/4	2
6ZV-5/8	5/8	6 3/16	1 1/4	1/4	2
6ZV-11/16	11/16	6 3/8	1 7/16	1/4	3
6ZV-3/4	3/4	7	1 11/16	5/16	3
6ZV-13/16	13/16	7 1/4	1 13/16	5/16	3
6ZV-7/8	7/8	7 5/8	1 7/8	5/16	3
6ZV-15/16	15/16	8 1/4	2	5/16	3
6ZV-1	1	8 3/8	2 1/8	5/16	3
6ZV-1.1/16	1 1/16	8 7/8	2 1/4	3/8	3
6ZV-1.1/8	1 1/8	9 1/4	2 3/8	0.38	3
6ZV-1.3/16	1 3/16	9 7/16	2 1/2	3/8	3
6ZV-1.1/4	1 1/4	9 13/16	2 11/16	3/8	3



Features

- 2 layer coating insulation with different colors plus a 3rd one in black to further protect handle edges on spanners from 5/16" to 5/8". Red: safety. Yellow: danger
- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges on spanners from 11/16" to 1 1/4". Red: safety. Orange: danger. Yellow: high danger
- Material: Chrome-Vanadium steel

Opening tolerance according to ISO 691

1000V

1000V OPEN END WRENCH - METRIC

For protection against inadvertent shock when working on circuits up to 1000V

Product Code	Size (mm)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Layers Coating
6MV6	6	3 5/8	9/16	1/8	2
6MV7	7	3 5/8	11/16	1/8	2
6MV8	8	3 5/8	11/16	3/16	2
6MV9	9	3 7/8	13/16	3/16	2
6MV10	10	4 1/4	15/16	3/16	2
6MV11	11	4 9/16	1	3/16	2
6MV12	12	5	1 1/8	3/16	2
6MV13	13	5 5/16	1 1/4	3/16	2
6MV14	14	5 1/2	1 1/4	1/4	2
6MV15	15	6	1 1/4	1/4	2
6MV16	16	6 3/16	1 1/4	1/4	2
6MV17	17	6 3/8	1 7/16	1/4	3
6MV18	18	6 2/3	1 9/16	1/4	3
6MV19	19	6 7/8	1 5/8	1/4	3
6MV20	20	7	1 11/16	5/16	3
6MV21	21	7 1/4	1 13/16	5/16	3
6MV22	22	7 5/8	1 7/8	5/16	3
6MV23	23	8	1 7/8	5/16	3
6MV24	24	8 1/4	2	5/16	3
6MV27	27	8 7/8	2 5/16	3/8	3
6MV30	30	9 7/16	2 1/2	3/8	3
6MV32	32	9 13/16	2 11/16	3/8	3



Features

- 2 layer coating insulation with different colors plus a 3rd one in black to further protect handle edges on spanners from 6 mm to 16 mm. Red: safety. Yellow: danger
- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges on spanners from 17 mm to 32 mm. Red: safety. Orange: danger. Yellow: high danger
- Material: Chrome-Vanadium steel

Opening tolerance according to ISO 691

1000V

WARNING



8071V

1000V ADJUSTABLE WRENCHES

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)	Max Jaw Opening	Head Thickness
8070V	6	3/4	7/16
8071V	8	1 1/16	1/2
8072V	10	1 3/16	5/8
8073V	12	1 5/16	3/4
8074V	15	1 3/4	15/16

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: Caution. Yellow: danger
- Material: Chrome-Vanadium steel
- The movable jaw slides easily by smoothly operating the thumb screw

Complies with ISO and ANSI torque requirements.
Head dimensions comply with ISO 6787 standards

1000V



8071VLT

1000V ADJUSTABLE WRENCHES FULLY INSULATED

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)	Max Jaw Opening	Head Thickness
8071VLT	8	1 1/4	3/4
8072VLT	10	1 3/8	1
8073VLT	12	1 1/2	1 1/4

Features

- 3 layer coating insulation on the complete wrench with different colors plus a 4th one in black to further protect handle edges. Red: safety Orange: Caution. Yellow: danger
- Chrome-Vanadium steel
- The movable jaw slides easily by smoothly operating the side screw

Exceed ISO and ANSI torque requirements

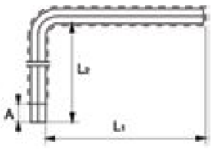
1000V

1000V HEX KEY

For protection against inadvertent shock when working on circuits up to 1000V

Product Code	Size (MM)	Overall Length (Inches)	Non-Insulated Tip Length (Inches)	Key Length (Inches)
1999MV-3	3	4 3/4	5/16	3
1999MV-4	4	4 3/4	5/16	3
1999MV-5	5	4 3/4	5/16	3
1999MV-6	6	4 3/4	3/8	3 3/8
1999MV-7	7	4 3/4	3/8	3 5/8
1999MV-8	8	4 3/4	3/8	4
1999MV-9	9	4 3/4	1/2	4
1999MV-10	10	4 3/4	1/2	4 1/2
1999MV-12	12	4 3/4	1/2	5





1999MV-3

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Material: Chrome-Vanadium steel

Hex dimensions and torque requirements comply with those given in ISO standards

1000V

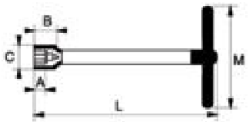
1000V T-HANDLE SOCKET WRENCH

For protection against inadvertent shock when working on circuits up to 1000V

Product Code	Size (MM)	Overall Length (inches)	Broach Depth (Inches)	Bolt Clearance (Inches)	Working End Diameter (Inches)	Handle Length (Inches)
28MV-8	8	7 3/4	5/16	1 1/4	5/8	5
28MV-9	9	7 3/4	5/16	1 1/4	11/16	5
28MV-10	10	7 3/4	5/16	1 1/4	3/4	5
28MV-11	11	7 3/4	3/8	1 1/2	13/16	5
28MV-12	12	7 3/4	3/8	1 3/4	7/8	5 1/2
28MV-13	13	7 3/4	1/2	1 3/4	7/8	5 1/2
28MV-14	14	7 3/4	1/2	1 3/4	1	5 1/2
28MV-15	15	7 3/4	1/2	1 3/4	1	5 1/2
28MV-16	16	7 3/4	1/2	2	1 1/8	5 1/2
28MV-17	17	7 3/4	1/2	2	1 1/8	5 1/2
28MV-18	18	7 3/4	1/2	2 1/4	1 1/8	5 1/2
28MV-19	19	7 3/4	11/16	2 1/4	1 1/4	5 1/2
28MV-20	20	7 3/4	25/32	2 1/2	1 1/4	5 1/2
28MV-21	21	7 3/4	25/32	2 1/2	1 1/4	5 1/2
28MV-22	22	7 3/4	25/32	2 1/2	1 3/8	5 1/2



28MV-10



Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Material: Chrome-Vanadium steel
- 6 point Dynamic-Drive Profile

Opening tolerance according to ISO 691

1000V

WARNING



7750V

1000V 3/8" RATCHET

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Overall Length (Inches)
7750V	8 ¼

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Material: Chrome-Vanadium steel

1000V



7400DMV-10

1000V 3/8" DRIVE SOCKET - METRIC

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Size (mm)	Overall Length (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Nose Length (Inches)
7400DMV-10	10	1 ½	⅞	¾	¼
7400DMV-11	11	1 ½	⅞	¾	¼
7400DMV-12	12	1 ½	⅞	¾	¼
7400DMV-13	13	1 ½	⅞	1	⅜
7400DMV-14	14	1 ½	⅞	1	⅜
7400DMV-17	17	1 ½	⅞	1	⅜
7400DMN-19	19	1 ½	⅞	1	⅜

1000V 3/8" DRIVE SOCKET - SAE

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Size (Inches)	Overall Length (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Nose Length (Inches)
7400DZV-3/8	⅜"	1 ½	⅞	¾	¼
7400DZV-7/16	7/16"	1 ½	⅞	¾	¼
7400DZV-1/2	½"	1 ½	⅞	¾	¼
7400DZV-9/16	9/16"	1 ½	⅞	1	⅜
7400DZV-5/8	⅝"	1 ½	⅞	1	⅜
7400DZV-11/16	11/16"	1 ½	⅞	1	⅜
7400DZV-3/4	¾"	1 ½	⅞	1	⅜



7400DMZV-1/2

Features

- 2 layer coating insulation with different colors. Red: safety. Yellow: danger
- Material: Chrome-Vanadium steel
- 12 point Dynamic-Drive Profile

Both square and 12 point openings according to the tolerance and torque requirements given in ISO standards12 point Dynamic-Drive Profile

1000V

1000V 1/2" RATCHET

For protection against inadvertent shock when working on circuits up to 1000V.

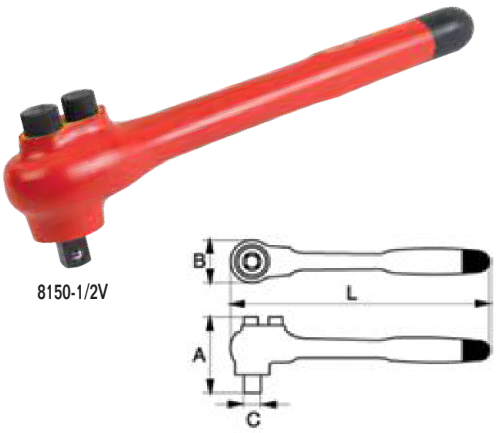
Product Code	Length (inches)	A	B	C
8150-1/2V	10 ½	3	2	½

Features

- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Material: Chrome-Vanadium steel
- One of the buttons is a lever to change the ratcheting direction; the other is a push button to lock or release the socket to the male square drive
- 28 teeth ratchet to operate at a 13° angle

Static and endurance tests with 50000 cycles. Complies with the ISO standards.

1000V



8150-1/2V

1000V 1/2" T-HANDLE

For protection against inadvertent shock when working on circuits up to 1000V.

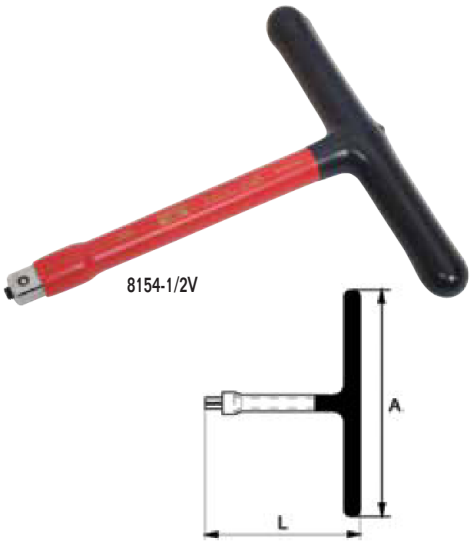
Product Code	Length (inches)	A
8154-1/2V	8	7 ½

Features

- 2 layer coating insulation with different colors plus a 3rd one in black to further protect handle edges. Red: safety. Yellow: danger
- Material: Chrome-Vanadium steel
- The male square drive has a slotted screw to move the ball outward or inward and block or unblock the socket to it

The male square tolerances and torque requirements comply with the respective ISO standard.

1000V



8154-1/2V

1000V 1/2" EXTENSION

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)
8160-1/2V	5
8162-1/2V	10

Features

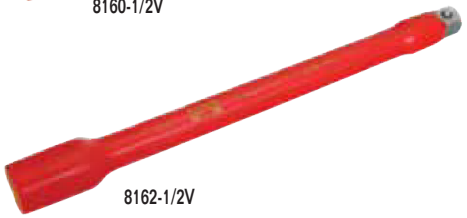
- 2 layer coating insulation with different colors. Red: safety. Yellow: danger
- Material: Chrome-Vanadium steel
- The male square drive is having a slotted screw to move the ball outward or inward and block or unblock the socket to it

The male square tolerances and torque requirements comply with the respective ISO standard.

1000V



8160-1/2V



8162-1/2V

WARNING



7800DZV

1000V 1/2" DRIVE SOCKETS - SAE

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Size (Inches)	Overall Length (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Nose Length (Inches)
7800DZV-3/8	3/8	2	7/8	3/4	1/4
7800DZV-7/16	7/16	2	7/8	3/4	1/4
7800DZV-1/2	1/2	2	7/8	3/4	1/4
7800DZV-9/16	9/16	2	7/8	1	3/8
7800DZV-5/8	5/8	2	7/8	1	3/8
7800DZV-11/16	11/16	2	7/8	1 1/8	3/8
7800DZV-3/4	3/4	2	7/8	1 3/16	1/2
7800DZV-13/16	13/16	2	7/8	1 1/3	1/2
7800DZV-7/8	7/8	2	7/8	1 1/3	9/16
7800DZV-15/16	15/16	2	7/8	1 1/2	5/8
7800DZV-1	1	2	7/8	1 1/2	5/8
7800DZV-1.1/16	1 1/16	2 1/8	7/8	1 5/8	3/4
7800DZV-1.1/8	1 1/8	2 1/8	7/8	1 5/8	3/4
7800DZV-1.3/16	1 3/16	2 1/8	7/8	1 3/4	3/4
7800DZV-1.1/4	1 1/4	2 1/2	7/8	1 7/8	7/8

Features

- 2 layer coating insulation with different colors
- Material: Chrome-Vanadium steel
- 12 point Dynamic Drive Profile

Both square and 12 point openings according to the tolerance and torque requirements given in ISO standards.

1000V



7800DMV

1000V 1/2" DRIVE SOCKETS - METRIC

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Size (Inches)	Overall Length (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Nose Length (Inches)
7800DMV-8	8	2	7/8	2/3	1/4
7800DMV-10	10	2	7/8	3/4	1/4
7800DMV-11	11	2	7/8	3/4	1/4
7800DMV-12	12	2	7/8	3/4	1/4
7800DMV-13	13	2	7/8	1	1/4
7800DMV-14	14	2	7/8	1	3/8
7800DMV-15	15	2	7/8	1	3/8
7800DMV-16	16	2	7/8	1	3/8
7800DMV-17	17	2	7/8	1 1/8	3/8
7800DMV-18	18	2	7/8	1 1/8	1/2
7800DMV-19	19	2	7/8	1 3/16	1/2
7800DMV-20	20	2	7/8	1 1/4	1/2
7800DMV-21	21	2	7/8	1 1/3	1/2
7800DMV-22	22	2	7/8	1 1/3	9/16
7800DMV-24	24	2	7/8	1 1/2	5/8
7800DMV-27	27	2 1/8	7/8	1 5/8	3/4
7800DMV-30	30	2 1/8	7/8	1 3/4	3/4
7800DMV-32	32	2 1/2	7/8	1 7/8	7/8

Features

- 2 layer coating insulation with different colors
- Material: Chrome-Vanadium steel
- 12 point Dynamic Drive Profile

Both square and 12 point openings according to the tolerance and torque requirements given in ISO standards.

1000V

1000V HACKSAW FRAMES - DIPPED INSULATION

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	A (inches)	B (inches)	L (inches)
2820HSV1	12	3	18

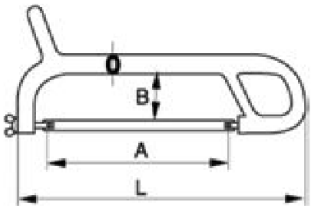
Features

- Insulated hacksaw with 3906-300-18 Sandflex® bi-metal blade
- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Supplied with the reliable and shatterproof Sandflex® bi-metal blade 18TPI with excellent cutting performance and wear resistance
- Blade length: 12 inches.

1000V



2820HSV1



1000V HACKSAW FRAMES WITH SCREEN HANDGUARD - DIPPED INSULATION

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	A (inches)	B (inches)	L (inches)
2820HSV2	12	3	18

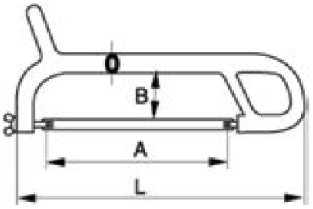
Features

- Insulated hacksaw with 3906-300-18 Sandflex® bi-metal blade
- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Handguard for ultimate protection
- Supplied with the reliable and shatterproof Sandflex® bi-metal blade 18TPI with excellent cutting performance and wear resistance
- Blade length: 12 inches.

1000V



2820HSV2



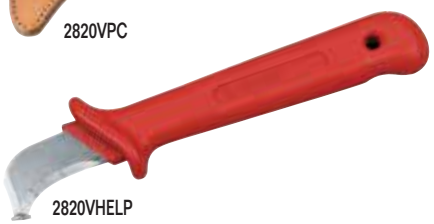
WARNING


SC127V


SC150NGV


2820VP


2820VPC


2820VHELP


2820VTEE

BAHCO

ELECTRICIAN SCISSORS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Length (inches)
SC127V	5

Features
- Single layer coating (only red coating)
- Small groove in the blade for stripping cables
- 2" cutting length
- Guard to avoid fingers touching the metallic part by mistake

Product Code	Length (inches)
SC150NGV	6

Features
- 2 layer coating: Red: safety. Yellow: danger
- Finger stops in both legs to avoid fingers touching the metallic part by mistake
- The longer handle allows to apply less force to cut a certain wire
- 1-1/2" cutting length

1000V

BAHCO

1000V ELECTRICIAN KNIVES

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Description
2820VP	Knife with Straight Blade
2820VPC	Knife with Curved Blade

Features
- 3 layer coating insulation with different colors plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Available in straight and curved blade versions

Product Code	Description
2820VHELP	Knife with Guide

Features
- Insulated 1000 V knife with guide.
- Single layer, injection molded, with protection cap
- Special blade with cable guard show for cable dismantling
- Stainless steel blade; handle shock resistant plastic

1000V

BAHCO

1000 V TWEEZERS

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code
2820VTEE

Features
- Double layer coating - red layer indicates safety, yellow layer indicates danger, plus a 3rd one in black to further protect handle edges.

1000V

1000V GLOVES

For protection against inadvertent shock when working on circuits up to 1000V.

Product Code	Power Supply Volts	Size	Material Thickness (mm)
2820VG05	500	10	.5
2820VG10	1000	10	1

Features

- 2820VG05 for use up to 500 V AC and 750 V DC
- 2820VG10 for use up to 1000 V AC and 1500 V DC
- Made of special natural latex for anatomical fit, good flexibility and dexterity
- Offers protection against electric arcs according to CENELEC ENV 50354 class 2 and IEC 61482-1
- Cold resistance -40° C; Hot resistance 90° C

1000V



2820VG05

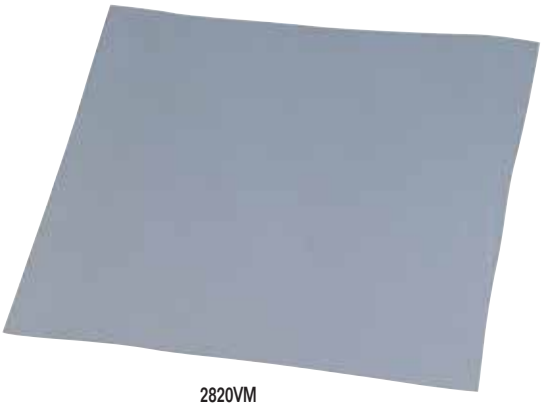
INSULATED CARPET

Product Code
2820VM

Features

- Valid for use up to 5000 V AC
- To stand on it and avoid earth connection when operating live systems. Complies with EN10204-3.1

1000V



2820VM

WARNING

NON-SPARKING TOOLS

Bahco non-sparking tools are designed for use in potentially explosive environments where traditional steel tools may create a spark. Safety is paramount and non-sparking tools are essential to uncompromising safety.



Wrenches	648
Hex Keys	650
Screwdrivers	650
Pliers	652
Hammers	654
Prybar, Chisels	656
Pick Axe	657
Shovel	657
Pipe Wrenches	658

The range of BAHCO Non Sparking (NS) tools has been designed for use in potentially explosive environments, where "traditional" steel tools may create sparks. The potential risk of fire and explosion is caused by the presence of combustible or easily ignitable vapors, liquids and dust common in Petrochemical, Mining and similar industries. For these industries, safety is paramount and NS tools are essential. OSHA (Occupational Safety and Health Administration) has developed best practice guidelines for certain chemicals and processes which includes the use of non-sparking tools.
Non-ferrous materials such as brass, bronze, copper-aluminum alloys (aluminum-bronze), or copper-beryllium alloys (beryllium bronze) reduce the risk of sparks - these softer materials greatly reduce the risk of producing ignitable sparks. The Bahco range of NS tools are manufactured in aluminum-bronze (Al-Br) or copper-beryllium (Cu-Be), meaning they are both safe and suitable for such hazardous environments.

Our range of Bahco NS tools are produced according to the international standards of DIN and ISO in terms of dimensions, cutting capacity, and strength, with hardness being adapted to the purpose of the tool. All Tools are manufactured in aluminum-bronze (Al-Br) or copper-beryllium (Cu-Be) to satisfy all industry requirements.

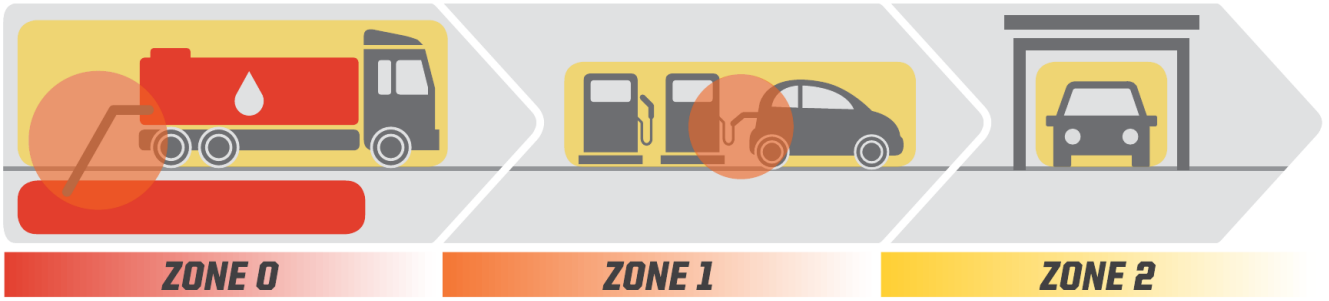
MATERIAL	CU-BE				AL-BR			
	Be	Co+Ni	Co+Ni+Fe	Cu	Al	Ni	Fe+Mn	Cu
	1.5-1.7%	over 0.2%	below 1.2%	balance	10-12%	4-6%	below 5.8%	balance
HARDNESS (Brinell)	283-365				221-291			
TENSILE STRENGTH (N/mm2)	1117-1326				782-989			
ELASTICITY LIMIT (N/mm2)	840-880				450-550			
MAGNETIC PROPERTIES	0				1.2			

ATEX classified zones are environments with a potentially explosive atmosphere ("ATmosphères EXplosibles"). Within the EU there are two directives that cover these areas:
1999/92/CE Directive: covers the safety of the people employed in the installation, operation and maintenance of facilities at risk of explosions.
94/9/CE Directive: harmonises legal provisions for devices and protection systems for designated use in potentially explosive areas.

From July 1st, 2003 it is mandatory to assess all explosion risk areas according to ATEX 1999, and all electrical and mechanical equipments have to comply with the ATEX 94. However, hand tools are not in the scope of the 94/9/EC directive but as we are passionate about safety we have our range of Bahco NS tools certified by the independent German Laboratory called BAM (the German Federal Institute for Materials Research and Testing).

WARNING

Division into zones. EX zones refers to areas at risk of explosions according to the frequency and duration of the emergence of hazardous, explosive atmospheres.
Zone definition below is in accordance with the 1999/92/EC Directive.



ZONE			
GAS	POWDER	EXPLOSIVE ATMOSPHERE PRESENCE IN TIME	
0	20	More than 1000 hours a year	In this zone you don't stay
1	21	Between 10 and 1000 hours a year	Loading and unloading zone
2	22	Between 6 minutes and 10 hours a year	Normal operating condition

GUARANTEE

NS tools cannot reach the hardness of conventional tools and for this reason the use of NS tools has to be carried out with special care. Avoid overstraining and heating, and a frequent visual check of the tool is recommended. NS tools will be replaced under guarantee only when the hardness of the damaged tool does not reach (or exceed) the hardness indicated in our catalogue. AL-BR → 20-30 HRc, CU-BE → 30-40 HRc

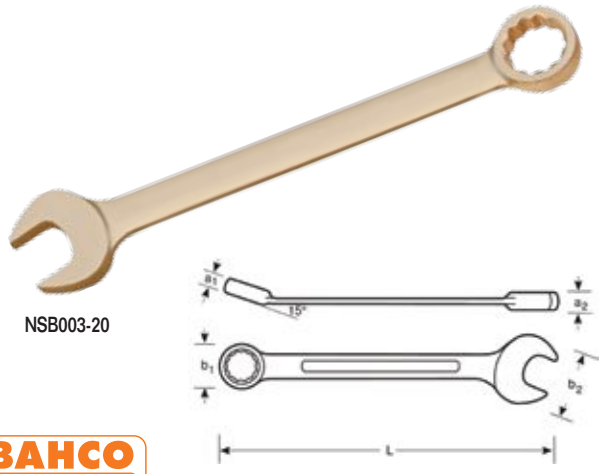
SAFETY

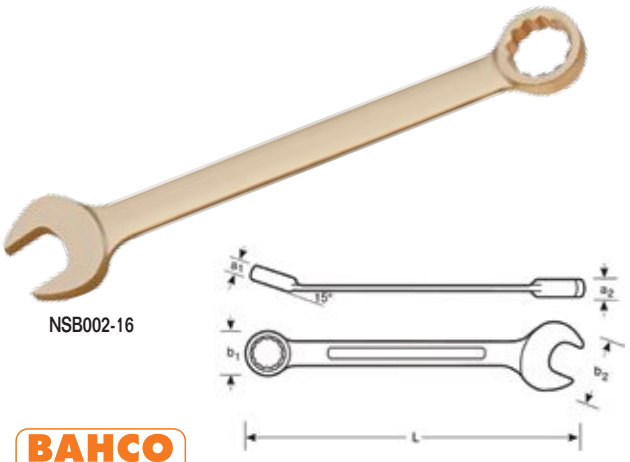
NS tools must not be the only preventive measure in such hazardous environments for which the tools are specifically designed for. For a comprehensive protection of both people and facilities, follow relevant safety guidelines:

- Do not use both a steel tool and non-sparking tool at the same time.
- Do not use high copper content tools, of which both Al-Br and Cu-Be tools are, in direct contact with acetylene.
- Considerable precision and care must always be taken when reworking copper-beryllium (Cu-Be) tools as beryllium (Be) dust or vapour is toxic.
- Cu-Be tools should be ground only wet.
- Do not inhale any dust (wear a face mask).

NOTES OF USE

- Make sure all NS tools are kept clean and free from ferrous or other contaminants which may hamper the properties of the non-sparking tool.
- The tool's surface temperature must not be more than the present gases temperature.
- Be sure that no objects fall down in the working environment which could cause a spark. As a precaution you should sprinkle the floor.





NON-SPARKING COMBINATION WRENCH, SAE

Copper Beryllium, 12 point

Product Code	Size (Inches)	L Overall Length (Inches)	b2 Open End Width (Inches)	b1 Box End Diameter (Inches)	a2 Open End Thickness (Inches)	a1 Box End Thickness (Inches)
NSB003-8	1/4	4 1/4	1/2	1/2	3/16	1/4
NSB003-10	5/16"	4 3/4	3/4	1/2	3/16	1/4
NSB003-11	11/32	5 1/4	3/4	3/4	3/16	3/8
NSB003-12	3/8	5 1/4	3/4	3/4	1/4	3/8
NSB003-13	13/32"	5 1/4	3/4	3/4	1/4	3/8
NSB003-14	7/16	6	1	3/4	1/4	3/8
NSB003-16	1/2	7	1 1/4	1	1/4	3/8
NSB003-18	9/16	7	1 1/4	1	1/4	3/8
NSB003-19	19/32"	7 3/4	1 1/2	1	5/16	3/8
NSB003-20	5/8	7 3/4	1 1/2	1	5/16	3/8
NSB003-22	11/16"	7 3/4	1 1/2	1	5/16	3/8
NSB003-24	3/4	8 1/2	1 1/2	1 1/4	1/3	1/2
NSB003-25	25/32"	8 1/2	1 1/2	1 1/4	1/3	1/2
NSB003-26	13/16"	9 3/4	1 3/4	1 3/4	3/8	1/2
NSB003-28	7/8	9 3/4	1 3/4	1 3/4	3/8	1/2
NSB003-30	15/16	10 1/2	2	1 1/2	3/8	1/2
NSB003-31	31/32"	10 1/2	2	1 1/2	3/8	1/2
NSB003-32	1"	11 1/2	2 1/4	1 2/3	1/2	3/4
NSB003-34	1 1/16"	11 1/2	2 1/4	1 2/3	1/2	3/4
NSB003-36	1 1/8"	12 1/2	2 1/2	2	1/2	3/4
NSB003-38	1 3/16"	12 1/2	2 1/2	2	1/2	3/4
NSB003-40	1 1/4"	13 1/2	2 1/2	2	1/2	3/4
NSB003-42	1 5/16"	13 1/2	2 1/2	2	1/2	3/4
NSB003-44	1 3/8"	14 1/4	2 3/4	2 1/6	5/8	3/4
NSB003-46	1 7/16"	14 1/4	2 3/4	2 1/6	5/8	3/4
NSB003-48	1 1/2"	17	3 1/4	2 1/2	5/8	3/4
NSB003-50	1 9/16"	17	3 1/4	2 1/2	5/8	3/4
NSB003-52	1 5/8"	17	3 1/4	2 1/2	5/8	3/4
NSB003-54	1 11/16"	19	3 1/2	2 3/4	5/8	3/4
NSB003-56	1 3/4"	19	3 1/2	2 3/4	5/8	3/4
NSB003-58	1 13/16"	19	3 1/2	2 3/4	5/8	3/4
NSB003-60	1 7/8"	20 1/2	3 3/4	3	2/3	1
NSB003-62	1 15/16"	20 1/2	3 3/4	3	2/3	1
NSB003-64	2"	20 1/2	3 3/4	3	2/3	1
NSB003-68	2 1/8"	22	4 1/4	3 1/4	11/16	1
NSB003-72	2 1/4"	23 1/2	4 1/2	3 1/2	13/16	1
NSB003-80	2 1/2	23 1/2	5	3 3/4	13/16	1
NSB003-84	2 5/8"	23 1/2	5	3 3/4	13/16	1
NSB003-88	2 3/4"	24 3/4	5 1/2	4 1/2	1	1 1/4

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.
- Produced according to DIN 3113
- Die-forged

NON-SPARKING COMBINATION WRENCH, METRIC

Copper Beryllium, 12 point

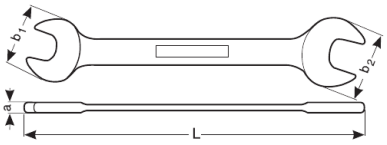
Product Code	Size (MM)	L Overall Length (Inches)	b2 Open End Width (Inches)	b1 Box End Diameter (Inches)	a2 Open End Thickness (Inches)	a1 Box End Thickness (Inches)
NSB002-6	6	4 1/4	1/2	1/2	3/16	1/4
NSB002-7	7	4 3/4	3/4	1/2	3/16	1/4
NSB002-8	8	4 3/4	3/4	1/2	3/16	1/4
NSB002-9	9	5 1/4	3/4	3/4	3/16	5/16
NSB002-10	10	5 1/4	3/4	3/4	3/16	5/16
NSB002-11	11	6	1	3/4	1/4	3/8
NSB002-12	12	6	1	3/4	1/4	3/8
NSB002-13	13	7	1 1/4	1	1/4	3/8
NSB002-14	14	7	1 1/4	1	1/4	3/8
NSB002-15	15	7 3/4	1 1/2	1	1/4	1/2
NSB002-16	16	7 3/4	1 1/2	1	1/4	1/2
NSB002-17	17	7 3/4	1 1/2	1	1/4	1/2
NSB002-18	18	8 1/2	1 1/2	1 1/4	5/16	1/2
NSB002-19	19	8 1/2	1 1/2	1 1/4	5/16	1/2
NSB002-20	20	8 1/2	1 1/2	1 1/4	5/16	1/2
NSB002-21	21	9 3/4	1 3/4	1 1/2	3/8	1/2
NSB002-22	22	9 3/4	1 3/4	1 1/2	3/8	1/2
NSB002-23	23	10 1/2	2	1 1/2	3/8	1/2
NSB002-24	24	10 1/2	2	1 1/2	3/8	1/2
NSB002-25	25	10 1/2	2	1 1/2	3/8	1/2
NSB002-26	26	11 1/2	2 1/4	1 3/4	1/2	3/4
NSB002-27	27	11 1/2	2 1/4	1 3/4	1/2	3/4
NSB002-28	28	11 1/2	2 1/4	2	1/2	3/4
NSB002-29	29	12 1/2	2 1/2	2	1/2	3/4
NSB002-30	30	12 1/2	2 1/2	2	1/2	3/4
NSB002-32	32	13 1/2	2 1/2	2	1/2	3/4

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.
- Produced according to DIN 3113
- Die-forged

WARNING





BAHCO

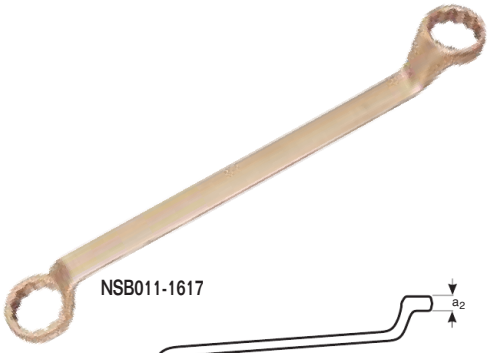
NON-SPARKING DOUBLE OPEN END WRENCH, METRIC

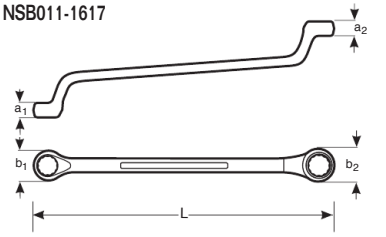
Copper Beryllium

Product Code	Size	L Overall Length (Inches)	b1 Open End Width (Inches)	a1 Open End Thickness (Inches)	b2 Open End Width (Inches)	a2 Open End Thickness (Inches)
NSB006-0607	6 x 7	3 1/2	5/8	3/16	11/16	3/16
NSB006-0809	8 x 9	4 1/4	13/16	1/4	7/8	1/4
NSB006-1011	10 x 11	4 1/2	15/16	1/4	1	1/4
NSB006-1213	12 x 13	5	1 1/8	1/4	1 9/16	1/4
NSB006-1415	14 x 15	5 3/4	1 1/4	5/16	1 3/8	5/16
NSB006-1617	16 x 17	6 1/4	1 3/8	5/16	1 7/16	5/16
NSB006-1819	18 x 19	7	1 9/16	3/8	1 5/8	3/8
NSB006-2022	20 x 22	7 3/4	1 11/16	3/8	1 13/16	3/8
NSB006-2123	21 x 23	7 3/4	1 3/4	3/8	1 7/8	3/8
NSB006-2426	24 x 26	8 3/4	1 15/16	7/16	2 1/8	7/16
NSB006-2528	25 x 28	9 1/4	2	7/16	2 1/4	7/16
NSB006-2729	27 x 29	9 3/4	2 1/8	1/2	2 1/2	1/2
NSB006-3032	30 x 32	10 1/2	2 3/8	1/2	2 1/2	1/2

Features

- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.
- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.





BAHCO

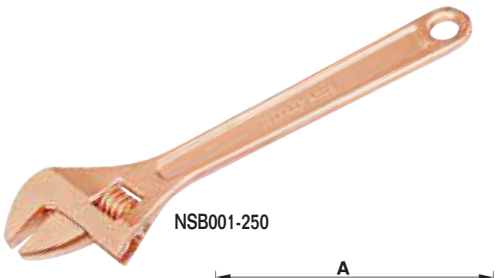
NON-SPARKING OFFSET BOX END WRENCHES

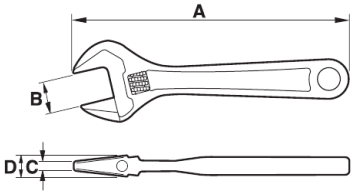
Copper Beryllium

Product Code	Size	Overall Length	b1 Box end Diameter (Inches)	a1 Box End Thickness (Inches)	b2 Box End Diameter (Inches)	a2 Box End Thickness (Inches)
NSB011-0607	6-7	4 1/2	7/16	1/2	1/2	1/4
NSB011-0809	8-9	5	9/16	1/2	11/16	5/16
NSB011-1011	10-11	5 1/2	11/16	5/16	5/8	5/16
NSB011-1213	12-13	6 1/4	13/16	3/8	13/16	3/8
NSB011-1415	14-15	6 1/4	15/16	7/16	1	7/16
NSB011-1617	16-17	8 3/4	1	7/16	1 1/8	1/2
NSB011-1819	18-19	9 3/4	1 1/8	1/2	1 3/16	1/2
NSB011-2022	20-22	11	1 3/16	9/16	1 3/8	5/8
NSB011-2123	21-23	11 1/4	1 5/16	5/8	1 3/8	5/8
NSB011-2426	24-26	13 1/2	1 1/2	3/4	1 11/16	5/8
NSB011-2528	25-28	13 3/4	1 1/2	3/4	1 3/4	5/8
NSB011-2729	27-29	14 1/4	1 1/2	3/4	1 7/8	13/16
NSB011-3032	30-32	15	1 13/16	1	1 7/8	15/16

Features

- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.
- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.





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NON-SPARKING ADJUSTABLE WRENCH

Copper Beryllium

Product Code	A Overall Length (Inches)	B Maximum Jaw Opening (Inches)	D Head Thickness (Inches)	C Jaw Tip Thickness
NSB001-150	6	3/4	1/2	3/8
NSB001-200	7 3/4	1	1/2	3/8
NSB001-250	9 3/4	1 1/4	3/4	1/2
NSB001-300	11 3/4	1 1/2	3/4	1/2
NSB001-375	14 3/4	1 3/4	1	1/2
NSB001-450	15 3/4	2 1/4	1	1/2
NSB001-600	23 1/2	2 1/2	1 1/2	1
NSB001-900	35 1/2	3	1 1/2	1

Features

- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.
- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.

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NON-SPARKING HEX KEYS

Copper Beryllium

Product Code	Size (MM)	Overall Length (Inches)	Width (Inches)
NSB320-2	2	2 3/8	1
NSB320-3	3	2 3/8	1
NSB320-4	4	2 1/2	1 3/16
NSB320-5	5	3 1/8	1 1/4
NSB320-6	6	3 3/8	1 7/16
NSB320-7	7	3 1/2	1 11/16
NSB320-8	8	3 5/8	1 3/4
NSB320-9	9	3 7/8	1 3/4
NSB320-10	10	4 3/8	1 3/4



NSB320-5

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.

BAHCO

ergo

NON-SPARKING ERGO® SLOTTED SCREWDRIVERS

Copper Beryllium

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
NSB300-3-50	6 3/4	2	1/8
NSB300-3-75	7 3/4	3	1/8
NSB300-4-75	7 3/4	3	5/32
NSB300-4.5-100	8 3/4	4	3/16
NSB300-4.5-50	6 3/4	2	3/16
NSB300-5-75	7 3/4	3	3/16
NSB300-5-100	8 3/4	4	3/16
NSB300-6-100	8 3/4	4	1/4
NSB300-6-125	9 3/4	5	1/4
NSB300-6-150	10 3/4	6	1/4
NSB300-7-150	10 3/4	6	1/4
NSB300-8-150	10 3/4	6	5/16
NSB300-8-200	12 1/2	7 3/4	5/16
NSB300-9-250	14 1/2	9 3/4	5/16
NSB300-10-200	12 1/2	7 3/4	3/8
NSB300-10-300	12 1/2	7 3/4	3/8
NSB300-11-250	14 1/2	9 3/4	1/2
NSB300-11-300	16 1/2	11 3/4	1/2
NSB300-11-350	18 1/2	13 3/4	1/2
NSB300-12-400	20 1/2	15 3/4	1/2
NSB300-13-450	22 1/2	17 3/4	1/2





NSB300-6-100

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Anti-magnetic and highly corrosion resistant.

WARNING



NSB301-4-100

NON-SPARKING ERGO® ELECTRICIAN'S SCREWDRIVERS

Copper Beryllium

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
NSB301-3-50	6 3/4	2	1/8
NSB301-4-100	8 3/4	4	3/16
NSB301-4-150	10 3/4	6	3/16
NSB301-5-100	8 3/4	4	3/16
NSB301-5-200	12 1/2	7 3/4	3/16
NSB301-6-100	8 3/4	4	1/4
NSB301-8-150	10 3/4	6	5/16
NSB301-10-200	12 1/2	7 3/4	3/8
NSB301-10-300	16 1/2	11 3/4	3/8

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Anti-magnetic and highly corrosion resistant.



NSB302-3-150

NON-SPARKING ERGO® PHILLIPS® SCREWDRIVERS

Copper Beryllium

Product Code	Overall Length	Blade Length	Point Size
NSB302-0-50	6 3/4	2	0
NSB302-1-100	8 3/4	4	1
NSB302-2-125	9 3/4	5	2
NSB302-3-150	10 3/4	6	3
NSB302-4-300	16 1/2	11 3/4	4

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Anti-magnetic and highly corrosion resistant.



NSB304-2-125

NON-SPARKING ERGO® POZIDRIV® SCREWDRIVERS

Copper Beryllium

Product Code	Overall Length	Blade Length	Point Size
NSB304-0-50	6 3/4	2	PZ0
NSB304-1-100	8 3/4	4	PZ1
NSB304-2-125	9 3/4	5	PZ2
NSB304-3-150	10 3/4	6	PZ3
NSB304-4-300	16 1/2	11 3/4	PZ4

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands.
- Anti-magnetic and highly corrosion resistant.

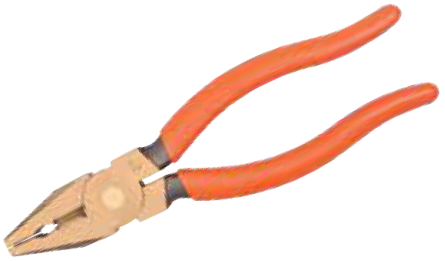
NON-SPARKING SIDE CUTTING COMBINATION PLIERS

Copper Beryllium

Product Code	Overall Length	Jaw Width	Jaw Thickness
NSB400-160	6 1/4	15/16	3/8
NSB400-180	7	1	7/16
NSB400-200	8	1 1/8	1/2

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.



NSB400-180

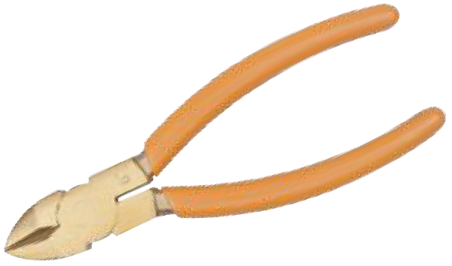
NON-SPARKING DIAGONAL CUTTING PLIERS

Copper Beryllium

Product Code	Overall Length	Jaw Length	Cutting Edge Length
NSB402-160	6 1/4	6	7/8
NSB402-200	8	7 3/4	1 1/8
NSB403-160	6 1/4	6 1/4	7/8
NSB403-180	7	7 3/4	1 1/8

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- NSB403 Series are Heavy Duty Pliers
- Anti-magnetic and highly corrosion resistant.



NSB402-160

NON-SPARKING FLAT NOSE PLIERS

Copper Beryllium

Product Code	Overall Length	Jaw Length
NSB404-160	6 1/4	1 1/2

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.



NSB404-160

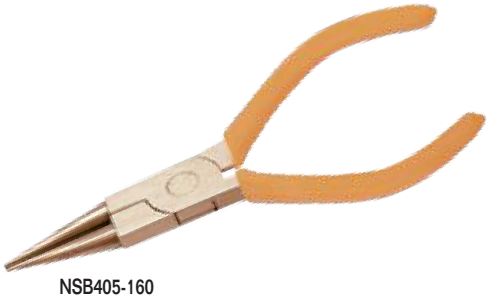
NON-SPARKING ROUND NOSE PLIERS

Copper Beryllium

Product Code	Overall Length
NSB405-160	6 1/4

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.



NSB405-160

WARNING



NSB406-180

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NON-SPARKING LONG NOSE PLIERS

Copper Beryllium

Non Sparking Long Nose Plier	Overall Length	Jaw Length
NSB406-160	6 1/4	2
NSB406-180	7	2
NSB406-200	8	3

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.



NSB408-250

BAHCO

NON-SPARKING GROOVE JOINT PLIERS

Copper Beryllium

Non Sparking Groove Joint Plier	Overall Length	Maximum Jaw Opening
NSB408-250	10"	1 3/4
NSB408-300	12"	2 1/8

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.



NSB411-200

BAHCO

NON-SPARKING GAS PLIERS

Copper Beryllium

Non Sparking Gas Pliers	Overall Length
NSB411-200	8"

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Gas plier with serrated teeth used to grip pipe line and other cylinders.
- Anti-magnetic and highly corrosion resistant.



NSB412-200

BAHCO

NON-SPARKING COMBINATION SLIP JOINT PLIERS

Copper Beryllium

Product Code	Overall Length
NSB412-200	8"

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- Anti-magnetic and highly corrosion resistant.

NON-SPARKING END CUTTING NIPPERS

Copper Beryllium

Product Code	Overall Length
NSB413-180	7 ½
NSB413-200	8

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Copper Beryllium
- For fast easy removal of nails.
- Anti-magnetic and highly corrosion resistant.



NSB413-180

NON SPARKING LONG VALVE WRENCH

Aluminum Bronze

Product Code	Overall Length (Inches)	Jaw Width (Inches)
NS202-350	14 ½"	2 ⅓"

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze
- Long Valve wrench for hand operated valve wheels.



NS202-350

NON-SPARKING HAMMER

Aluminum Bronze, Fiberglass Handle with Cushion Grip

Product Code	Weight (ozs.)	Overall Length	Head Length
NS500-2000-FB	81	15 ¾	5 ¼
NS500-2500-FB	113	27 ½	5 ½
NS500-3000-FB	131	27 ½	6
NS500-3500-FB	148	27 ½	6 ½

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze
- Fiberglass Handles are durable and comfortable



NS500-2500-FB

NON-SPARKING SLEDGE HAMMER

Aluminum Bronze, Fiberglass Handle with Cushion Grip

	Weight (lbs.)	Overall Length	Head Length
NS502-450-FB	1	12 ¼	3 ¾
NS502-1000-FB	2	15 ¾	4 ¼
NS502-1500-FB	3	15 ¾	5 ¼
NS502-2000-FB	4	15 ¾	5 ¼
NS502-2500-FB	6	27 ½	6 ¼
NS502-3000-FB	7	27 ½	6 ½
NS502-4500-FB	10	35 ½	7 ¼
NS502-5000-FB	11	35 ½	7 ½
NS502-6800-FB	15	35 ½	8 ⅛
NS502-8000-FB	18	35 ½	8 ¼
NS502-10000-FB	22	35 ½	8 ⅓
NS502-12000-FB	26	35 ½	8 ½

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze
- Two Component Fiberglass Handles are durable and comfortable



NS502-2000-FB

⚠WARNING



NS504-300-FB

NON-SPARKING CROSS PEIN HAMMER

Aluminum Bronze, Fiberglass Handle with Cushion Grip

Product Code	Weight (ozs.)	Overall Length	Head Length
NS504-100-FB	8	11	2 ½
NS504-200-FB	11	11	3 ¼
NS504-300-FB	15	11	4
NS504-500-FB	23	12 ¼	4 ½
NS504-800-FB	34	13 ¼	5
NS504-1000-FB	41	13 ½	5 ½
NS504-1500-FB	65	15 ¾	6 ¼
NS504-2000-FB	87	15 ¾	6 ¾

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze
- Two Component Handles are durable and comfortable



NS506-450-FB



NS506-450

NON-SPARKING BALL PEIN HAMMER

Aluminum Bronze

Product Code	Weight (ozs.)	Overall Length	Head Length	Handle
NS506-300	18	11 ¾	3 ½	Wood
NS506-300-FB	18	11 ¾	3 ½	Fiberglass
NS506-450	24	12 ¼	4	Wood
NS506-450-FB	20	12 ¼	4	Fiberglass
NS506-700-FB	33	12 ½	4 ⅛	Fiberglass
NS506-900-FB	42	12 ½	5	Fiberglass

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze
- Wooden handles are made from hickory.



NS508-500-FB

NON-SPARKING CLAW HAMMER

Aluminum Bronze

Product Code	Weight (ozs.)	Overall Length
NS508-500-FB	18	13
NS508-700-FB	25	13 ¾

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze



NS512-400-FB

NON-SPARKING CHIPPING HAMMER

Aluminum Bronze

Product Code	Weight (ozs.)	Overall Length
NS512-200-FB	7	11
NS512-400-FB	14	12
NS512-600-FB	21	13
NS512-900-FB	32	14

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze

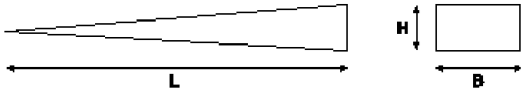
NON-SPARKING WEDGE

Aluminum Bronze

Product Code	L Overall Length	B Thickness	H Width
NS600-80-13	3 1/4	1/2	1/4
NS600-100-50	4	2	3/8
NS600-135-50	5 1/4	2	7/8
NS600-150-25	6	1	5/16
NS600-150-30	6	1	1/2
NS600-150-40	6	1 1/2	5/16
NS600-150-50	6	2	1/2
NS600-180-13	7	1/2	1/4
NS600-180-32	7	1 1/4	1/2
NS600-180-50	7	2	3/4
NS600-200-20	7 3/4	3/4	1 1/8
NS600-200-30	7 3/4	1 1/4	1 1/8
NS600-200-40	7 3/4	1 1/2	1 5/8
NS600-200-50	7 3/4	2	1/2
NS600-230-40	9	1 1/2	3/4
NS600-250-40	9 3/4	1 2/4	1 1/8
NS600-300-50	11 3/4	2	1 5/8



NS600-100-50



Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze

NON-SPARKING PRYBAR

Aluminum Bronze

Product Code	L Overall Length	A Width	B Fork Length
NS602-460	18	5/8	1 1/8
NS602-600	23 3/4	3/4	1 1/4



NS602-460

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze

NON-SPARKING CROSS CUT CHISEL

Aluminum Bronze

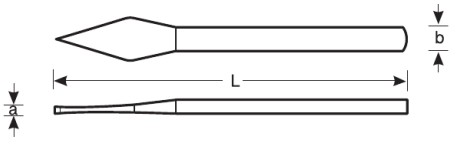
Product code	L Overall Length	A Tip Width	B Width
NS604-200	7 3/4	1/4	1/2
NS604-300	11 3/4	1/4	1/2



NS604-200

Features

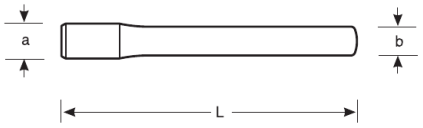
- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze



WARNING



NS606-250



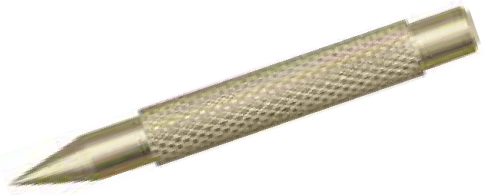
NON-SPARKING FLAT CHISEL

Aluminum Bronze

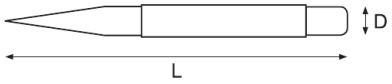
Product Code	L Overall Length	A Tip Width	B Stock Size
NS606-150	6	3/4	3/4
NS606-200	7 3/4	3/4	3/4
NS606-250	9 3/4	1	1
NS606-300	11 3/4	1	1
NS606-400	15 3/4	1	1 1/4

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze



NS608-100



NON-SPARKING CENTER PUNCH

Aluminum Bronze

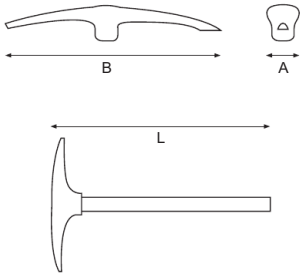
Product Code	L Overall Length	D Diameter
NS608-100	4"	5/8

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze



NS800-1700



NON-SPARKING PICK AXE

Aluminum Bronze

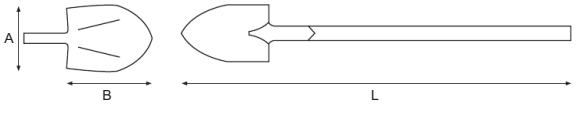
Product Code	L Overall Length	B Head Length	A Tip Width
NS800-1700	35 3/4	15 1/4	2 1/4

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze



NS802-290



NON-SPARKING SHOVEL

Aluminum Bronze

Product Code	L Overall Length	A Head Width	B Head Length
NS802-290	5 3/4	9 3/4	11 3/4

Features

- Safe and suitable for use in hazardous environments to reduce the risk of producing ignitable sparks.
- Material: Aluminum Bronze

THREE JAW REVERSIBLE PULLER

Aluminum Bronze

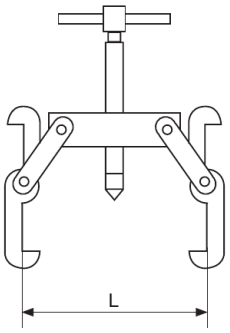
Product Code	Capacity (Tons)	# of Jaws	L Maximum Reach
NS810-100	1	3	4
NS810-150	1 ½	3	6
NS810-200	2	3	7 ⅞
NS810-350	4	3	13 ¾

Features

- Specially suited for pulling ball bearing, pulleys, gears, etc. in confined spaces.
- 3 Jaws reversible puller so can be used both sides.
- Non sparking.
- Die-forged.



NS810-150



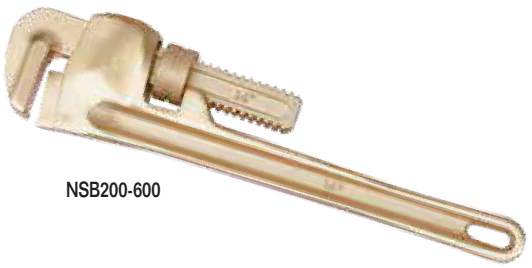
HEAVY DUTY PIPE WRENCH

Copper Beryllium

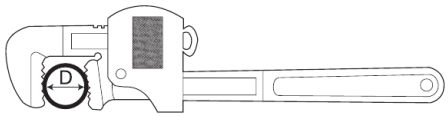
Product Code	L Overall Length	D Maximum Jaw Opening
NSB200-200	8"	1"
NSB200-250	10"	1 ¼"
NSB200-300	12"	1 ½"
NSB200-350	14"	2"
NSB200-450	18"	2 7/16"
NSB200-600	24"	2 ½"
NSB200-900	36"	3 ½"
NSB200-1200	48"	4 ¼"

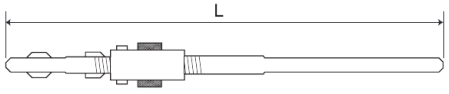
Features

- Pipe wrench, for disassembling / assembling pipes and fittings.
- Non sparking.
- Anti-magnetic and high corrosion resistant.
- Die-forged.
- Fulfilling product standard UNE 16554.



NSB200-600





WARNING

POWER TOOLS

Sioux Tools have been designed and manufactured in the USA for over 100 years. Sioux passionately serves the manufacturing and service industries with world-class pneumatic power tools made in Murphy, NC. From raw materials to final assembly, the Murphy facility manufactures pneumatic drills, screwdrivers, impacts, grinders, sanders and many specialty tools. This is the same award-winning facility that makes many Snap-on Power Tools.



Sioux Tools

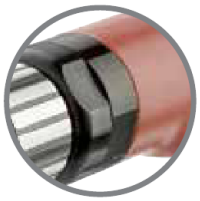
Drills 660
Assembly 670
Abrasive 686
Finishing 699
Percussive 709
Specialty 715

Sioux Force Tools

Drills 730
Assembly 733
Abrasive 740
Finishing 743
Percussive 746
Specialty 749
General Accessories 751

DRILLS

Performance, Serviceability, Ergonomics and Value...



Light weight aluminum housing



Ergonomic, handle with soft textured grip



Available in 1 hp and .6 hp motor



3 planet gear system for increased life and load capacity



Teasing throttle, conveniently located reverse

INDUSTRY LEADER

Regarded as the Number 1 choice in the industry, Sioux Tools' pneumatic drills are known around the world for their exceptional engineering and construction. A wide range of configurations, speeds, and options ensure a perfect match for any application. Through next generation ergonomics and the continued focus on productivity and operator safety comes the development of the Sioux Tools Signature Series Drill line.

Signature Series Drills are used in applications ranging from manufactured housing and wood working to light assembly. With free speeds from 300 to 16,000 rpm we have the right drill for any application, for use with any type of material. The powerful five vane motor makes these drills great for drilling applications that contain ferrous and non-ferrous metals, wood and composite materials. The Signature Series Drills offer great value with a 3 planet gear system for increased life and load capacity. The Sioux tools Signature Series Drill line reduces operator fatigue by offering a low sound level and low vibration solution! Operator comfort is achieved through the implementation of a light weight aluminum housing and a comfort grip. Drills are available in both reverse and non-reverse models and are available in pistol grip, straight, Z-handle and D and T-handles, and offer a variety of chuck and collet size.

INNOVATIVE DESIGN

Our exclusive Z-handle models are often the only drills that will get you into those tough, hard to reach spaces, and our miniature aircraft angle drills are designed with small, compact 45° and 90° heads and internal threaded spindles that accept a variety of aircraft precision drill bits.

360° ROTATION

The SDR10S40N360 has a unique 360° rotating head for applications in hard to reach places or difficult angles.

T-HANDLES

Our exceptional T-handle drills help reduce stress on the operators back and arms while making short work of any decking application.

ERGONOMICS

All Sioux Drills offer ergonomic features to provide maximum comfort during operation. Many models include comfortable insulating grips to reduce cold and vibration. We also offer optional support handles for most models.

Drill Maintenance



1. Tipper valve and valve seat is easily accessible for service
2. Slip fit of front end plate bearing allows easy service of the air motor without disturbing the rotor spacing
3. Drop in motor. No alignment necessary (applies to non-reversing drills only)
4. Rotor pinion is case hardened to resist wear
5. Grease zerk makes it easy to grease the gears without disassembly
6. Planetary reduction can be serviced without removing the chuck
7. Planet gear pins are slip fit for ease of assembly and disassembly
8. Ring gear is machined into the motor retainer for ease of assembly and disassembly
9. Interchangeable rotor, cylinder, bearings and end plates. This reduces the number of spare parts tool cribs need to stock

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

ACCESSORIES

Sioux carries an extensive selection of drill accessories, including hole saws and wire brushes.

See the drill accessory section in this catalog for a comprehensive listing.

DRILL SAFETY

Chips can cause eye injury.
Drilling creates chips. Proper eye protection must be worn at all times by tool user and bystanders.

Broken drill bits can cause eye injury.
Proper eye protection must be worn at all times by tool user and bystanders.

Sudden and unexpected tool movement can cause injury.
Be sure your body position allows you to have control of the tool at all times. Make sure your footing is secure.

Tools starting unexpectedly can cause injury.
Always remove tool from air supply and activate trigger to bleed air line before making any adjustments, changing accessories, or doing any maintenance or service on the tool.

DRILL PRINCIPLES OF OPERATION

An air motor and reduction gearing are used to drive a spindle/drill chuck, which holds accessories for drilling, reaming, tapping, and hole sawing. Motor size (horsepower), gear ratio, handle style and drive spindle determine the type of tool needed to handle an application.

DRILL USES

Pneumatic drills may first be thought of for drilling holes in wood, metal, or plastic. Drills are used in a wide variety of applications. Each of these applications require the proper tool with the proper horsepower and speed to get the best results. Drilling – cutting a hole in material using a fluted bit. Reaming – opening up or sizing a previously drilled hole or aligning offset holes. Tapping – cutting threads in a drilled hole to accept threaded fasteners.

WHERE USED

Continuous-duty production drilling

For initial tap operations and thread chasing

Wire brushing and deburring

Screwdriving

Hole sawing

General Maintenance

CONSIDERATIONS FOR SELECTING DRILLS

What type of material is being drilled?

What size of hole will need to be drilled?

What are your horsepower requirements?

What speed requirements do you have?

DRILL SPEED GUIDE

Material	Surface Ft/Min	Size of Hole to be Drilled							
		1/16 in 1.5 mm	1/8 in 3.0 mm	3/16 in 5.0	1/4 in 6.0 mm	5/16 in 8.0 mm	3/8 in 9.5 mm	7/16 in 11.0 mm	1/2 in 13.0 mm
		Recommended Cutting Speed Range (rpm)							
Steel Alloy, 300-400 Brinnel	20-30	1250-1800	600-900	400-600	300-450	250-350	200-300	175-250	150-225
Stainless Steel, Cast Iron, Hard	30-40	1800-2500	900-1200	600-800	450-600	350-500	300-400	250-350	225-300
Steel Forgings	40-50	2500-3100	1200-1500	800-1000	600-750	500-600	400-500	350-425	300-400
Steel, Tool Annealed, .90-1.20 Carbon	50-60	3100-3700	1500-1800	100-1200	750-900	600-700	500-600	425-525	400-450
Steel, .40-.50 Carbon	70-80	4300-5000	2100-2500	1400-1600	1000-1200	850-1000	700-800	600-700	500-600
Cast Iron, Medium Hard	70-100	4300-6000	2100-3000	1400-2000	1000-1500	850-1200	700-1000	600-900	500-800
Bronze, High Tensile Strength	70-150	4300-9000	2100-4500	1400-3000	1000-2300	850-1200	700-1530	600-1300	500-1200
Malleable Iron	80-90	5000-5500	2500-2800	1600-1800	1200-1400	950-1100	800-900	700-800	600-700
Steel, Mild .20-.30 Carbon	80-110	5000-6700	2500-3400	1600-2300	1200-1700	950-1350	800-1150	700-1000	600-850
Cast Iron, Soft Plastic	100-150	6000-9000	3000-4500	2000-3000	1500-2300	1200-1800	1000-1530	900-1300	800-1200
Aluminum, Brass, Bronze	200-300	12,000-18,000	6000-9000	4000-6000	3000-4500	2400-3700	2000-3000	1700-2600	1500-2300
Magnesium	250-400	15,500-25,000	7500-12,000	5000-8200	3800-6100	3000-4900	2500-4000	2200-3500	1900-3000
Fiberglass, Wood	300-400	18,000-25,000	9000-12,000	6000-8200	4600-6100	3700-4900	3000-4000	2600-3500	2300-3000

Actual drilling or cutting RPM will be approximately 80% of rated spindle speed of tool. Surface Feet Per Minute = .26 x RPM x Drill Diameter in Inches.


1410


SDR10P26N3


3P1640

PERFORMANCE:

Power: 0.33 hp (0.25 kW) – 1 hp (0.75 kW)
Speed Range: 360 rpm – 21,000 rpm
Chuck Capacity: 1/4" (6 mm) – 1/2" (13 mm)

FEATURES:

Reversible and Non-Reversible
Trigger Start
Rotatable Exhaust (0.33 hp models)
Rubber Grip


SDR10P26NK3

CE

PISTOL GRIP DRILLS

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level	Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)	
0.33 hp (0.25 kW) – Non-reversible													
1410	¼	6	2600	1.3	0.60	6.3	160	0.6	15	12	6	75	⅜"-24
DR1412	¼	6	3600	1.3	0.60	6.3	160	0.6	15	12	6	75	⅜"-24
DR1414	¼	6	4300	1.3	0.60	6.3	160	0.6	15	12	6	75	⅜"-24
DR1416	¼	6	6000	1.3	0.60	6.3	160	0.6	15	12	6	75	⅜"-24
1 hp (0.75 kW) – Non-reversible													
SDR10P4N3	⅜	10	400	2.9	1.30	8	205	0.8	20	30	14	80	½"-20
SDR10P4N4	½	13	400	3.3	1.50	8.5	215	0.8	20	30	14	80	½"-20
SDR10P7N3	⅜	10	700	2.9	1.30	8	205	0.8	20	30	14	80	½"-20
SDR10P7N4	½	13	700	3.3	1.50	8.5	215	0.8	20	30	14	80	½"-20
SDR10P12N3	⅜	10	1200	2.9	1.30	8	205	0.8	20	30	14	80	½"-20
SDR10P12N4	½	13	1200	3.3	1.50	8.5	215	0.8	20	30	1/4	80	½"-20
SDR10P16N3	⅜	10	1600	2.9	1.30	8	205	0.8	20	30	14	80	½"-20
SDR10P16N4	½	13	1600	3.3	1.50	8.5	215	0.8	20	30	1/4	80	½"-20
SDR10P26N2	¼	6	2600	2.3	1.05	6.5	165	0.8	20	30	14	80	⅜"-24
SDR10P26N3	⅜	10	2600	2.5	1.10	7	180	0.8	20	30	14	80	⅜"-24
SDR10P26N4	½	13	2600	2.9	1.30	7.5	190	0.8	20	30	14	80	½"-20
SDR10P40N2	¼	6	4000	2.3	1.05	6.5	165	0.8	20	30	14	80	⅜"-24
SDR10P40N3	⅜	10	4000	2.5	1.10	7	180	0.8	20	30	14	80	⅜"-24
SDR10P60N2	¼	6	6000	2.3	1.05	6.5	165	0.8	20	30	14	80	⅜"-24
SDR10P60N3	⅜	10	6000	2.5	1.10	7	180	0.8	20	30	14	80	⅜"-24
SDR10P180N2	¼	6	18000	1.85	0.84	5.5	140	0.8	20	30	14	80	⅜"-24
SDR10P210N2	¼	6	21000	1.85	0.84	5.5	140	0.8	20	30	14	80	⅜"-24
1 hp (0.75 kW) – Non-reversible With Keyless Chuck													
SDR10P4NK4	½	13	400	3.1	1.40	7.8	200	0.8	20	25	12	80	½"-20
SDR10P7NK4	½	13	700	3.1	1.40	7.8	200	0.8	20	25	12	80	½"-20
SDR10P12NK3	⅜	10	1200	2.7	1.20	7.3	185	0.8	20	25	12	80	⅜"-24
SDR10P26NK3	⅜	10	2600	2.3	1.00	6.3	160	0.8	20	25	12	80	⅜"-24
SDR10P26NK4	½	13	2600	2.7	1.20	6.6	170	0.8	20	25	12	80	½"-20
SDR10P40NK3	⅜	10	4000	2.3	1.05	8.3	210	0.8	19	30	14	78	⅜"-24
SDR10P60NK3	⅜	10	6000	2.5	1.10	7	180	0.8	20	30	14	80	⅜"-24
1 hp (0.75 kW) – Non-reversible													
3P1140[1]	½	13	360	5	2.30	8.8	224	1 1/32	26	33	15	80	½"-20
3P1240[1]	½	13	650	5	2.30	8.8	224	1 1/32	26	33	15	80	½"-20
3P1340[1]	½	13	1000	5	2.30	8.8	224	1 1/32	26	33	15	80	½"-20
3P1430[1]	⅜	10	1400	5	2.30	8.8	224	1 1/32	26	33	15	80	½"-20
3P1530[1]	⅜	10	2150	4.3	2.00	7.5	190	1 1/32	26	33	15	80	½"-20
3P1540[1]	½	13	2150	4.3	2.00	7.5	190	1 1/32	26	33	15	80	½"-20
3P1640[1]	½	13	2650	4.3	2.00	7.5	190	1 1/32	26	33	15	80	½"-20

[1] Not CE Compliant

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 3-jaw Chuck and Key • Comfort Grip
Accessories: Drill Accessories, see page 669

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX


1410R


SDR10P25R3


SDR6P26N3


SDR10P20RK3


SDR10P20R3RR


3P2340


SDR6P20R3RR

PERFORMANCE:

Power: 0.20 hp (0.15 kW) – 1 hp (0.75 kW)
Speed Range: 300 rpm – 6000 rpm
Chuck Capacity: 1/4" (6 mm) – 1/2" (13 mm)

FEATURES:

Reversible and Non-Reversible
Trigger Start
Rotatable Exhaust (1410 series models)
Rubber Grip

PISTOL GRIP DRILLS

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level	Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)	
0.20 hp (0.15 kW) – Reversible													
1410R	1/4	6	2000	1.3	0.60	6.3	160	0.6	15	10	5	75	3/8"-24
1412R	1/4	6	2600	1.3	0.60	6.3	160	0.6	15	10	5	75	3/8"-24
0.60 hp (0.45 kW) – Non-Reversible													
SDR6P4N3	3/8	10	400	2.7	1.20	7.3	185	0.8	20	25	12	80	1/2"-20
SDR6P4N4	1/2	13	400	3.1	1.40	7.8	200	0.8	20	25	12	80	1/2"-20
SDR6P7N3	3/8	10	700	2.7	1.20	7.3	185	0.8	20	25	12	80	1/2"-20
SDR6P7N4	1/2	13	700	3.1	1.40	7.8	200	0.8	20	25	12	80	1/2"-20
SDR6P12N3	3/8	10	1200	2.7	1.20	7.3	185	0.8	20	25	12	80	1/2"-20
SDR6P26N2	1/4	6	2600	2.1	0.95	5.8	145	0.8	20	25	12	80	3/8"-24
SDR6P26N3	3/8	10	2600	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P26N4	1/2	13	2600	2.7	1.20	6.6	170	0.8	20	25	12	80	1/2"-20
SDR6P40N2	1/4	6	4000	2.1	0.95	5.8	145	0.8	20	25	12	80	3/8"-24
SDR6P40N3	3/8	10	4000	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P60N2	1/4	6	6000	2.1	0.95	5.8	145	0.8	20	25	12	80	3/8"-24
SDR6P60N3	3/8	10	6000	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
0.60 hp (0.45 kW) – Non-Reversible With Keyless Chuck													
SDR6P26NK3	3/8	10	2600	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P40NK3	3/8	10	4000	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P60NK3	3/8	10	6000	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
1 hp (0.75 kW) – Reversible With Keyless Chuck													
SDR10P7RK4	1/2	13	700	3.5	1.60	9.5	241	0.8	20	30	14	80	1/2"-20
SDR10P20RK3	3/8	10	2000	2.7	1.20	8	203	0.8	20	30	14	80	3/8"-24
1 hp (0.75 kW) – Reversible													
SDR10P3R3	3/8	10	300	3.1	1.40	8.6	220	0.8	20	30	14	80	1/2"-20
SDR10P3R4	1/2	13	300	3.6	1.60	9.1	230	0.8	20	30	14	80	1/2"-20
SDR10P5R3	3/8	10	500	3.1	1.40	8.6	220	0.8	20	30	14	80	1/2"-20
SDR10P5R4	1/2	13	500	3.6	1.60	9.1	230	0.8	20	30	14	80	1/2"-20
SDR10P7R3	3/8	10	700	3.1	1.40	8.6	220	0.8	20	30	14	80	1/2"-20
SDR10P7R4	1/2	13	700	3.6	1.60	9.1	230	0.8	20	30	14	80	1/2"-20
SDR10P12R3	3/8	10	1200	3.1	1.40	8.6	220	0.8	20	30	14	80	1/2"-20
SDR10P12R4	1/2	13	1200	3.6	1.60	9.1	230	0.8	20	30	14	80	1/2"-20
SDR10P20R2	1/4	6	2000	2.4	1.10	7.1	180	0.8	20	30	14	80	3/8"-24
SDR10P20R3	3/8	10	2000	2.6	1.15	7.6	195	0.8	20	30	14	80	3/8"-24
SDR10P20R4	1/2	13	2000	3	1.35	7.9	200	0.8	20	30	14	80	1/2"-20
SDR10P25R2	1/4	6	2500	2.4	1.10	7.1	180	0.8	20	30	14	80	3/8"-24
SDR10P25R3	3/8	10	2500	2.6	1.15	7.6	195	0.8	20	30	14	80	3/8"-24
SDR10P40R2	1/4	6	4000	2.4	1.10	7.1	180	0.8	20	30	14	80	3/8"-24
SDR10P40R3	3/8	10	4000	2.6	1.15	7.6	195	0.8	20	30	14	80	3/8"-24
0.60 hp (0.45 kW) – Rapid Reverse													
SDR6P20R3RR	3/8	10	2000	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P25R3RR	3/8	10	2500	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P20RK3RR	3/8	10	2000	2.4	1.25	7.9	200	0.8	20	25	12	80	3/8"-24
SDR6P20RK4RR	1/2	13	2000	2.7	1.20	8.3	210	0.8	20	25	12	80	1/2"-20
SDR6P25RK3RR	3/8	10	2500	2.4	1.25	7.9	200	0.8	20	25	12	80	3/8"-24
SDR6P25RK4RR	1/2	13	2500	2.7	1.20	8.3	210	0.8	20	25	12	80	1/2"-20

1 hp (0.75 kW) – Rapid Reverse													
SDR10P20R3RR	⅜	10	2000	2.6	1.15	7.6	195	0.8	20	30	14	80	⅜"-24
SDR10P25R3RR	⅜	10	2500	2.6	1.15	7.6	195	0.8	20	30	14	80	⅜"-24
0.80 hp (0.60 kW) – Reversible													
3P2140[1]	½	13	300	5	2.30	8.8	224	1 1⁄32	26	33	15	81	½"-20
DR3P2240[1]	½	13	550	5	2.30	8.8	224	1 1⁄32	26	33	15	81	½"-20
3P2340[1]	½	13	850	5	2.30	8.8	224	1 1⁄32	26	33	15	81	½"-20

[1] Not CE Compliant

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 3-jaw Chuck and Key • Comfort Grip
Accessories: Drill Accessories, see page 669


1420

PERFORMANCE:

Power: 0.33 hp (0.25 kW) – 1 hp (0.75 kW)
Speed Range: 300 rpm – 21,000 rpm
Chuck Capacity: 1/4" (6 mm) – 1/2" (13 mm)

FEATURES:

Reversible and Non-Reversible
Lever Start
Rubber Grip (1420, 1422)


SDR10S26N3


SDR10S25R3

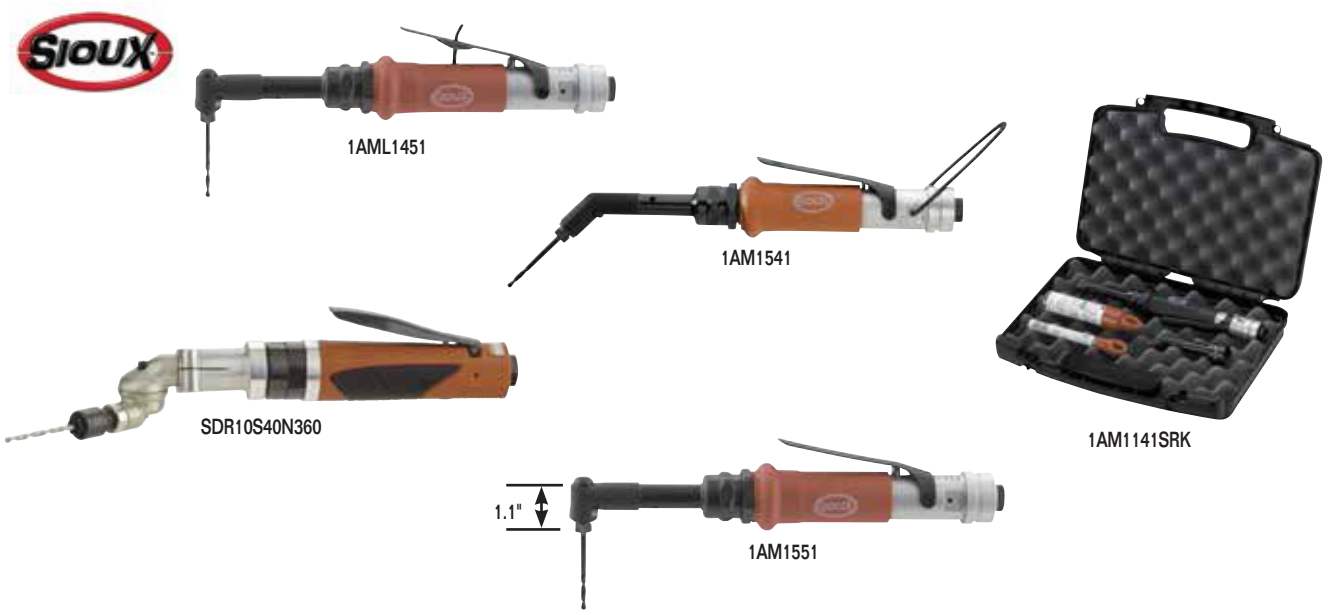
CE

STRAIGHT DRILLS

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level	Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)	
0.33 hp (0.25 kW) – Non-reversible													
1420	¼	6	2600	1.2	0.54	8	203	0.6	15	12	6	75	⅜"-24
DR1422	¼	6	3600	1.2	0.54	8	203	0.6	15	12	6	75	⅜"-24
1 hp (0.75 kW) – Non-reversible													
SDR10S4N3	⅜	10	400	2.8	1.25	9.3	236	0.8	20	30	14	78	½"-20
SDR10S4N4	½	13	400	2.8	1.25	9.3	236	0.8	20	30	14	78	½"-20
SDR10S7N3	⅜	10	700	2.8	1.25	9.3	236	0.8	20	30	14	78	½"-20
SDR10S12N3	⅜	10	1200	2.8	1.25	9.3	236	0.8	20	30	14	78	½"-20
SDR10S16N3	⅜	10	1600	2.8	1.25	9.3	236	0.8	20	30	14	78	½"-20
SDR10S26N2	¼	6	2600	2.3	1.05	8.3	211	0.8	20	30	14	78	⅜"-24
SDR10S26N3	⅜	10	2600	2.3	1.05	8.3	211	0.8	20	30	14	78	⅜"-24
SDR10S40N2	¼	6	4000	2.3	1.05	8.3	211	0.8	20	30	14	78	⅜"-24
SDR10S40N3	⅜	10	4000	2.3	1.05	8.3	211	0.8	20	30	14	78	⅜"-24
SDR10S60N2	¼	6	6000	2.3	1.05	8.3	211	0.8	20	30	14	78	⅜"-24
SDR10S60N3	⅜	10	6000	2.3	1.05	8.3	211	0.8	20	30	14	78	⅜"-24
SDR10S180N2	¼	6	18,000	1.85	0.84	7.3	185	0.8	20	30	14	78	⅜"-24
SDR10S210N2	¼	6	21,000	1.85	0.84	7.3	185	0.8	20	30	14	78	⅜"-24
1 hp (0.75 kW) – Reversible													
SDR10S3R3	⅜	10	300	2.8	1.25	10.8	273	0.8	20	30	14	78	½"-20
SDR10S3R4	½	13	300	3.2	1.45	11.3	285	0.8	20	30	14	78	½"-20
SDR10S5R3	⅜	10	500	2.8	1.25	10.8	273	0.8	20	30	14	78	½"-20
SDR10S5R4	½	13	500	3.2	1.45	11.3	285	0.8	20	30	14	78	½"-20
SDR10S7R3	⅜	10	700	2.8	1.25	10.8	273	0.8	20	30	14	78	½"-20
SDR10S7R4	½	13	700	3.2	1.45	11.3	285	0.8	20	30	14	78	½"-20
SDR10S12R3	⅜	10	1200	2.8	1.25	10.8	273	0.8	20	30	14	78	½"-20
SDR10S12R4	½	13	1200	3.2	1.45	11.3	285	0.8	20	30	14	78	½"-20
SDR10S20R2	¼	6	2000	2.2	1.00	9.3	235	0.8	20	30	14	78	⅜"-24
SDR10S20R3	⅜	10	2000	2.3	1.05	9.8	248	0.8	20	30	14	78	⅜"-24
SDR10S20R4	½	10	2000	2.8	1.25	10.3	260	0.8	20	30	14	78	½"-20
SDR10S25R2	¼	6	2500	2.2	1.00	9.3	235	0.8	20	30	14	78	⅜"-24
SDR10S25R3	⅜	10	2500	2.3	1.05	9.8	248	0.8	20	30	14	78	⅜"-24
SDR10S40R2	¼	6	4000	2.2	1.00	9.3	235	0.8	20	30	14	78	⅜"-24
SDR10S40R3	⅜	10	4000	2.3	1.05	9.8	243	0.8	20	30	14	78	⅜"-24

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Suspension Bail • 3-jaw Chuck and Key • Comfort Grip
Accessories: Drill Accessories, see page 669

⚠WARNING
Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.



PERFORMANCE:

Power: 0.33 hp (0.25 kW) – 0.75 hp (0.56 kW)
Speed Range: 540 rpm – 4000 rpm

FEATURES:

Non-Reversible
Lever Start
45˚ or 90˚ Miniature Angle Heads (except SDR10S40N360)
180˚ Adjustable Rotating Head (SDR10S40N360)

CE

MINIATURE ANGLE DRILLS

Model Number	Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level
	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
45˚ Angle Head – 0.33 hp (0.25 kW) - 1/4"-28 Internal Thread Spindle										
1AM1441	2200	1.5	0.7	10.2	259	0.3	8	12	6	75
1AM1541	2800	1.5	0.7	10.2	259	0.3	8	12	6	75
1AML1541 (with Lever Lock)	2800	1.5	0.7	10.2	259	0.3	8	12	6	75
90˚ Angle Head – 0.33 hp (0.25 kW) – 1/4"-28 Internal Thread Spindle										
1AM1451	2200	1.5	0.7	9.7	246	0.3	8	12	6	75
1AML1451 (with Lever Lock)	2200	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1551	2800	1.5	0.7	9.7	246	0.3	8	12	6	75
1AML1551 (with Lever Lock)	2800	1.5	0.7	9.7	246	0.3	8	12	6	75
SDR10AH35	3500	TBD	TBD	TBD	TBD	0.8	20	30	14	TBD
90˚ Angle Head – 0.33 hp (0.25 kW) – 9/32"-40 Internal Thread Spindle										
1AM1452	2200	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1552	2800	1.5	0.7	9.7	246	0.3	8	12	6	75
180˚ Rotating Head – 0.75 hp (0.56 kW) – Chuck Capacity: #70 thru 1/4"										
SDR10S40N360	4000	2.7	1.3	12.5	318	0.8	20	30	14	80
Sealant Removal Tool Kit										
1AM1141/51K	800	1.8	0.80	11.5	292	0.3	8	12	6	75
Includes 1AM1151 (90˚ Angle Drill) and 65213 (45˚ Angle Drill Head Assembly)										
1AM1141SRK	800	1.8	0.80	11.5	292	0.3	8	12	6	75
Includes 1AM1141 (45˚ Angle Drill)										
1AM1151SRK	800	1.8	0.80	11.5	292	0.3	8	12	6	75
Includes 1AM1151 (90˚ Angle Drill)										

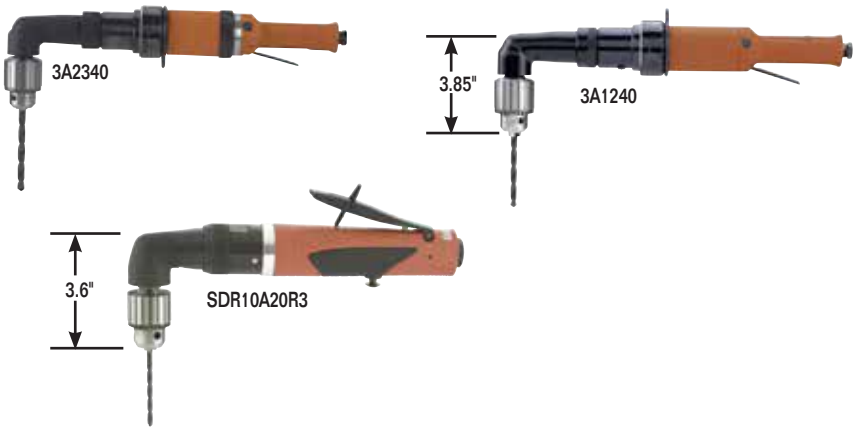
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Drill Accessories, see page 669

PERFORMANCE:

Power: 0.80 hp (0.60 kW) – 1 hp (0.75 kW)
Speed Range: 300 rpm – 2200 rpm
Chuck Capacity: 1/4" (6 mm) – 1/2" (13 mm)

FEATURES:

Reversible and Non-Reversible
Lever Start
Heads can be rotated 360°
Rear or Side Exhaust



RIGHT ANGLE DRILLS

CE

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level	Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)	
0.80 hp (0.60 kW) – Reversible – Side Exhaust1													
3A2140[1]	½	13	300	6.9	3.10	15.5	394	0.8	19	33	16	81	½"-20
3A2240[1]	½	13	480	6.9	3.10	15.5	394	0.8	19	33	16	81	½"-20
3A2340[1]	½	13	700	6.9	3.10	15.5	394	0.8	19	33	16	81	½"-20
3A2430[1]	⅜	10	1000	6.3	2.90	15.4	391	0.8	19	33	16	81	½"-20
1 hp (0.75 kW) – Reversible													
SDR10A3R3	⅜	10	300	3.3	1.50	12	305	0.8	19	30	14	78	⅜"-24
SDR10A3R4	½	13	300	3.7	1.65	12	305	0.8	19	30	14	78	⅜"-24
SDR10A6R3	⅜	10	600	3.3	1.50	12	305	0.8	19	30	14	78	⅜"-24
SDR10A6R4	½	13	600	3.7	1.65	12	305	0.8	19	30	14	78	⅜"-24
SDR10A10R3	⅜	10	1000	3.3	1.50	12	305	0.8	19	30	14	78	⅜"-24
SDR10A10R4	½	13	1000	3.7	1.65	12	305	0.8	19	30	14	78	⅜"-24
SDR10A16R2	¼	6	1600	3.2	1.40	12	305	0.8	19	30	14	78	⅜"-24
SDR10A16R3	⅜	10	1600	3.3	1.50	12	305	0.8	19	30	14	78	⅜"-24
SDR10A20R2	¼	6	2000	2.9	1.30	11	280	0.8	19	30	14	78	⅜"-24
SDR10A20R3	⅜	10	2000	3	1.35	11	280	0.8	19	30	14	78	⅜"-24
1 hp (0.75 kW) – Non-Reversible													
SDR10A4N3	⅜	10	400	3.3	1.50	11.2	285	0.8	19	30	14	78	⅜"-24
SDR10A4N4	½	13	400	3.7	1.65	11.2	285	0.8	19	30	14	78	⅜"-24
SDR10A10N3	⅜	10	1000	3.3	1.50	11.2	285	0.8	19	30	14	78	⅜"-24
SDR10A10N4	½	13	1000	3.7	1.65	11.2	285	0.8	19	30	14	78	⅜"-24
SDR10A13N2	¼	6	1300	3.2	1.40	11.2	285	0.8	19	30	14	78	⅜"-24
SDR10A13N3	⅜	10	1300	3.3	1.50	11.2	285	0.8	19	30	14	78	⅜"-24
SDR10A22N2	¼	6	2200	2.9	1.30	10.2	260	0.8	19	30	14	78	⅜"-24
SDR10A22N3	⅜	10	2200	3	1.35	10.2	260	0.8	19	30	14	78	⅜"-24
SDR10A30N2	¼	6	3000	2.9	1.30	10.2	260	0.8	19	30	14	78	⅜"-24
1 hp (0.75 kW) – Non-reversible – Side Exhaust[1]													
3A1140[1]	½	13	360	6.5	2.90	15.1	384	0.8	19	33	16	80	½"-20
3A1240[1]	½	13	600	6.5	2.90	15.1	384	0.8	19	33	16	80	½"-20
3A1530	⅜	10	1800	6.5	2.90	15.1	384	0.8	19	33	16	80	½"-20

[1] Not CE Certified

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 3-jaw Chuck and Key
Accessories: Drill Accessories, see page 669

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX



1465

PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed Range: 375 rpm – 2,000 rpm
Chuck Capacity: 3/8" (10 mm) – 1/2" (13 mm)

FEATURES:

Non-Reversible
Trigger Start
Side Exhaust
Support Handle Included
Swivel Air Inlet

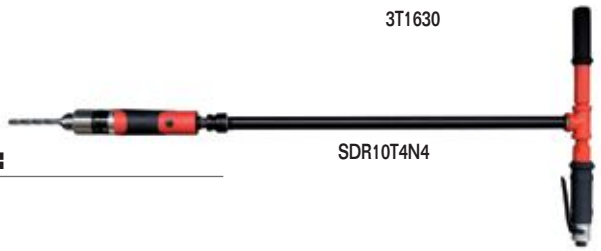
D-HANDLE DRILLS

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level	Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)	
"D" Handle Drill – 1 hp (0.75 kW) – Non-Reversible													
DR1467	1/2	13	375	6.6	3	13.4	340	1	25	30	14	76	1/2"-20
1466	1/2	13	550	6.6	3	13.4	340	1	25	30	14	76	1/2"-20
1465-1/2	1/2	13	1000	6.6	3	13.4	340	1	25	30	14	76	1/2"-20
1464	1/2	13	2000	6.6	3	13.4	340	1	25	30	14	76	1/2"-20
1465	3/8	10	1000	6.6	3	13.3	338	1	25	30	14	76	1/2"-20

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 3-jaw Chuck and Key • Swivel Air Inlet
Accessories: Drill Accessories, see page 669



3T1630



SDR10T4N4

PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed Range: 360 rpm – 4000 rpm
Chuck Capacity: 3/8" (10 mm) – 1/2" (13 mm)

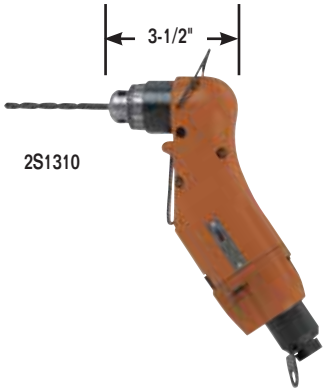
FEATURES:

Non-Reversible
Lever Start
Handle Grips

T-HANDLE DRILLS

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level	Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)	
Signature Series – 1 hp (0.75 kW) – Non-reversible													
SDR10T4N4	1/2	13	400	6.3	2.9	36	914	0.85	21.6	35	17	80	1/2"-20
SDR10T7N4	1/2	13	700	6.3	2.9	36	914	0.85	21.6	35	17	80	1/2"-20
SDR10T12N4	1/2	13	1200	6.3	2.9	36	914	0.85	21.6	35	17	80	1/2"-20
SDR10T16N4	1/2	13	1600	6.3	2.9	36	914	0.85	21.6	35	17	80	1/2"-20
SDR10T26N3	3/8	10	2600	5.6	2.5	36	914	0.85	21.6	35	17	80	3/8"-24
SDR10T26N4	1/2	13	2600	5.9	2.7	36	914	0.85	21.6	35	17	80	1/2"-20
SDR10T40N3	3/8	10	4000	5.6	2.5	36	914	0.85	21.6	35	17	80	3/8"-20
3 · Series – 1 hp (0.75 kW) – Non-reversible													
3T1140	v	13	360	7.6	3.5	35	889	1	25	35	17	80	1/2"-20
3T1340	1/2	13	1000	7.6	3.5	35	889	1	25	35	17	80	1/2"-20
3T1530	3/8	10	2150	7.3	3.3	35	889	1	25	35	17	80	1/2"-20
3T1630	3/8	10	2650	7.3	3.3	35	889	1	25	35	17	80	1/2"-20
3T1640	1/2	13	2650	7.4	3.4	35	889	1	25	35	17	80	1/2"-20

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 3-jaw Chuck and Key • Comfort Grip
Accessories: Drill Accessories, see page 19





PERFORMANCE:

Power: 0.33 hp (0.25 kW) – 0.50 hp (0.37 kW)
Speed Range: 1000 rpm – 2200 rpm
Chuck Capacity: 1/4" (6 mm) – 3/8" (10 mm)

FEATURES:

Reversible and Non-Reversible
Lever Start
Rear Exhaust
Suspension Bail

Z-HANDLE DRILLS

CE

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level	Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)	
Non-reversible – 0.50 hp (0.37 kW)													
2S1310	¼	6	2200	2.6	1.2	3.5	89	1	25	18	8	75	3⁄8"-24
2S1330	3⁄8	10	2200	2.7	1.2	3.8	97	1	25	18	8	75	3⁄8"-24
Reversible – 0.33 hp (0.25 kW)													
2S2110	¼	6	1000	2.6	1.2	3.5	89	1	25	16	8	75	3⁄8"-24
2S2130	3⁄8	10	1000	2.7	1.2	3.8	97	1	25	16	8	75	3⁄8"-24
2S2230	3⁄8	10	1600	2.7	1.2	3.8	97	1	25	16	8	75	3⁄8"-24
2S2310	¼	6	2200	2.6	1.2	3.5	89	1	25	16	8	75	3⁄8"-24
2S2330	3⁄8	10	2200	2.7	1.2	3.8	97	1	25	16	8	75	3⁄8"-24

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 3-jaw Chuck and Key • Suspension Bail
Accessories: Drill Accessories, see page 669

⚠WARNING
Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

DRILL CHUCKS & KEYS

Adapts arbor with 1/2"-20 thread to hole saw with 5/8"-18 thread


21077


21019B


21002


21085


69005


69006


21131


21133


21132


21137

Chuck Capacity	Thread Size	Chuck Part No	Key Part No	Key Holder No
0 – 1/4"	3/8"-24	21077	30000	
0 – 1/4"	3/8"-24	21019B	30000	
0 – 3/8"	1/2"-20	21002	30011	14273
0 – 3/8"	3/8"-24	21085	30231	14273
0 – 3/8"[1]	3/8"-24	69005		
0 – 1/2"[1]	1/2"-20	69006		
1/16" – 3/8"	1/2"-20	21131	30002	
1/16" – 3/8"	3/8"-24	21133	30002	14273
5/64" – 1/2"	3/8"-24	21132	30429	
5/64" – 1/2"	1/2"-20	21137	30011	14273

[1]Keyless Chuck • Keyed chucks include key

QUICK CHANGE CHUCK

Part No 2352
Adapts 3/8"-24 threaded spindles to 1/4" hex quick change


Non-Reversing Only

SR CUTTERS


SR40


SR83

Sioux Part Number	Description
SR40	#3 (0.40") SR Cutter
SR83	#8 (0.83") SR Cutter

Sold in case of 40

SUPPORT HANDLE

Part No 2355B
For use on ES, 2L, 3P series drills



SIGNATURE SERIES SUPPORT HANDLE

Part No SPSDR-14A
For use on Signature Series Drills

Part No 77067A
Heavy Duty Support Handle for Signature Series Drills



COMFORT GRIPS

For use on 1SM & 1ST series drills


66124

For use on 1OM & 1OT series drills


68340

For use on Signature series drills


SDR6PNBOOT / SDR10PNBOOT

ASSEMBLY

Combining Efficiency, Reliability and Value...

PUTTING IT ALL TOGETHER

To keep up with the rapidly growing demands of modern assembly applications, Sioux Tools remains on the cutting edge of engineering design. We continue to be innovative in creating new tools to provide faster rundown speeds with exceptional accuracy and consistent torque delivery, combined with ergonomic design for operator comfort and safety.

We build every tool to help assembly operators become more productive. We believe they deserve tools that will help improve their quality of performance and maximize the skills they bring to the job.

EXCLUSIVE DESIGNS

Sioux Tools is the exclusive manufacturer of the Z-handle. This unique feature allows access to tight, hard to reach angles.

IMPACT WRENCHES

Suitable for general assembly, repair jobs, etc. When you require a powerful, lightweight tool, with little reaction force and moderate accuracy. This is the best choice for loosening joints.

SCREWDRIVERS

Sioux Tools offers a wide range of screwdrivers designed to meet today's fast paced, high output assembly and manufacturing applications.

NUTRUNNERS

Sioux offers nutrunners that are designed for high volume industrial production. You can choose from free speeds of up to 2200 rpm, and a torque range of up to 600 in lb (68 Nm). These are outstanding tools for fast, accurate assembly.

ASSEMBLY SAFETY

Broken sockets, bits and adapters can cause injury.
Proper eye protection must be worn at all times by tool user and bystanders. Use only sockets, bits and adapters made for power tools and that are in good condition. Use only bits and adapters that are in good condition. Keep hands away from sockets, bits and adapters.

Sudden and unexpected tool movement can cause injury.
Be sure your body position allows you to have control of the tool at all times. Make sure your footing is secure. Consult manufacturer for proper reaction bar if movement is excessive.

Tools starting unexpectedly can cause injury.
Always remove the tool from air supply and activate trigger to bleed air line before making any adjustments, changing accessories, or doing any maintenance or service on the tool.

Falling tools can cause injury.
If the tool is used with a balancer or other suspension device, be sure the tool is firmly attached to the device.

ASSEMBLY PRINCIPLES OF OPERATION

An air motor and planetary reduction gearing are used to drive a clutch spindle, producing torque in a fastener.

The action of the torque creates clamp-load in the assembly.

Motor size (horsepower), gear ratio, and type of clutch determine performance, and are key factors in selecting the appropriate tool for a given application.

Generally equipped with a 1/4" female hexagon spindle that allows inserting a screwdriver bit.





An Easy Drive Home

Sioux Tools offers a wide range of screwdrivers and nutrunners designed to meet today's fast paced, high output assembly and manufacturing applications. Sioux Tools is able to provide a perfect match for any job requirement. As industries strive to reduce fastener requirements, we work to meet the demand for greater accuracy and precision in fastening performance. The productivity demands for quality and speed, as well as user comfort, convenience and safety make Sioux Tools your number one choice.

CONFIGURATIONS

Sioux screwdrivers are available in pistol grip, inline, right angle and our exclusive Z-handle configurations. Most screwdriver models offer your choice of Quick Change or Locking Internal Hex spindles. The spring-loaded chuck on the Quick Change allows for fast, easy bit changes without the need for additional tools or hardware. The slimmer design of the Locking Internal Hex ensures that the bit stays firmly in place until you choose to remove it with the aid of a vise or pliers.

REDUCING PHYSICAL LOAD

We design all our screwdrivers with ergonomics in mind. We help you get the job done with a minimum amount of effort and wear and tear on the operator. By reducing the physical load on the operator, which includes noise and oil mist, productivity will be improved. Sioux Tools offers many benefits including high torque accuracy, low sound levels and ergonomic grips. Fast clutch shutoff reduces reaction force, while the shape reduces the amount of gripping and trigger force required.

⚠WARNING
Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

CLUTCH SELECTION

Positive Clutch – Spindle will not turn with motor until operator exerts forward pressure on spindle engaging the clutch. The clutch ratchets when torque resistance from the fastener overcomes the forward pressure and the jaws begin to cam apart. Torque output of the tool is determined by forward pressure from operator and by the cam angle of the clutch jaws. For wood, sheet metal, and machine screws and lag bolts.

Sioux Tools is the exclusive manufacturer of three different positive clutches; Low, Mid and High torque output. Your choice of clutch allows you to more precisely control the amount of torque exerted on the fastener.

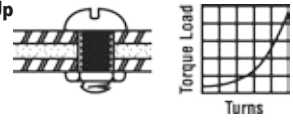
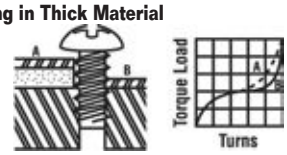
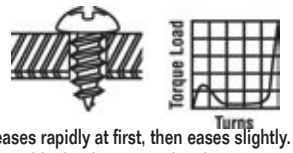
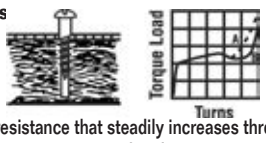
Stall Drive – Spindle is coupled directly with the output of the motor. Final torque is reached when resistance of the fastener overcomes the torque output of the motor. Final torque can be influenced by air pressure and/or operator twisting the tool. For prevailing torque or soft pull applications involving machine, wood, or self-tapping screws.

Adjustable Clutch – Spindle will not turn with motor until operator exerts forward pressure on spindle engaging the clutch. When fastener is tight, clutch will ratchet. Adjusting spring pressure will effect final output torque. Offers consistent torque control with little operator reaction.

Torque Control – Motor shuts off automatically when fastener is tight. Adjusting spring pressure changes final output torque for critical torque requirements. Perfect for applications with little or no prevailing torque where final torque is substantially higher than rundown torque.

Direct Clutch – Spindle will not turn with motor until operator exerts forward pressure on spindle engaging the clutch. Final torque is reached when resistance of the fastener overcomes the torque output of the motor. Excellent stall type tool when tightening group of fasteners without turning off motor.

CLUTCH SELECTION GUIDE

Type of Job	Clutch Performance			
	Torque Control	Adjustable	Direct/Stall Drive	Positive Clutch
1. Free-Running – Sudden Stop  Turns easily until screw head or nut seats against a solid stop. Resistance then builds up suddenly.	Excellent for all size screws.	Good for all size screws. Close torque control is not required.	Good for large or medium nuts or cap screws only.	Fair for all size screws where close torque accuracy is not required.
2. Soft Pull-Up  Turns easily until screw head or nut seats, then resistance builds up gradually through one or more turns as resilient material compressed.	Excellent for all size screws.	Good for most screws. Close torque control is not required. Slow on large screws with long pull-up.	Good for large and medium size screws. Must be adjusted to run rather slowly for small screws.	Good for small to medium size screws. Requires considerable operator pressure on large screws.
3. Self-Tapping in Thick Material  Increasing heavy resistance through entire travel until screw head seats. Then either (A) gradual, or (B) sudden final build-up resistance.	Excellent for all size screws. Not suitable if tapping torque exceeds stripping torque.	Good for most screws. With proper operator technique, can be used where tapping torque exceeds stripping torque. Slow on large screws.	Not recommended unless stripping torque is considerably higher than tapping torque.	Good for most size screws where stripping torque is considerably higher than tapping torque. Excellent in non-uniform or misaligned material.
4. Sheet Metal Screws  Resistance increases rapidly at first, then eases slightly. At the end, it usually builds up suddenly when screw head seats.	Good for all size screws. Not suitable if tapping torque exceeds stripping torque.	Good for most screws. With proper operator technique, can be used where tapping torque exceeds stripping torque.	Not recommended unless stripping torque is considerably higher than tapping torque.	Good for all size screws where stripping torque is considerably higher than tapping torque. Excellent when sheets are frequently misaligned.
5. Lock Nuts  Starts with heavy resistance that lasts through entire travel until screw or nut seats. Then either (A) gradual, or (B) sudden further build-up resistance.	Excellent for all size screws.	Good for most screws. Close torque control is not required.	Good for large and medium screws. Must be adjusted to run rather slowly for small screws.	Fair for all size screws.
6. Wood Screws  Starts with small resistance that steadily increases through entire travel with additional resistance as screw head seats.	Fair for all size screws.	Good for all size screws.	Excellent for large and medium screws. Must be adjusted to run rather slowly for small screws.	Excellent for all size screws.

Tool Selection Guide

CONSIDERATIONS FOR SELECTING SCREWDRIVERS

This should be done in a systematic way to ensure no details are overlooked that could have an adverse affect on job function or results. The following are variables that must be considered to ensure proper tool selection.

What is being assembled?
What material is involved?
What type of screw or nut is being driven? What head type?
What screw size (standard or metric)?
What U.S. grade or metric class?
What torque (inch pounds or Newton meters)?
What torque tolerance (accuracy)?
What is the run-down torque vs. seating torque?
What type of joint pull-up (hard, medium, soft)?
What pull-up conditions (free run-down, sheet metal, wood, or plastic)?
What is the production rate?
Are there clearance problems?
What handle style is required (straight or pistol)?
Is the tool to be hand held or fixtured?
What type of clutch?
Speed required?
Is there a need for a reversible tool?
What type of drive (square, 1/4" hex, quick change)?
How is the application being done now?
Special consideration?

WHAT IS THE SIZE AND TYPE OF SCREW OR FASTENER ON WHICH THE TOOL WILL BE USED?

No 1 Series Tools – 2 to 50 in lb of torque. (Fasteners up to 1/4")

.6 & 1 HP Signature Series Tools – 5 to 400 in lbs of torque. (Fasteners up to 3/8")

No 3 Series Tools – 5 to 50 ft lbs of torque. (Fasteners up to 1/2")

WHAT KIND OF APPLICATION AND MATERIAL WILL THE FASTENER BE USED ON?

The type of material helps to determine which type of clutch is needed.

APPLICATION & MATERIAL GUIDE

Screw Size	Clutch	Free Run Down	Soft Pull-Up	Prevailing Torque
No 8 and Smaller				
	Adjustable	Excellent	Excellent	Excellent
	Stall	Excellent	Good	Excellent
	Direct	Good	Good	Good
	Positive	Fair	Fair	Good
No 10 and Larger				
	Adjustable	Good	Fair	Fair
	Stall	Good	Excellent	Excellent
	Direct	Good	Excellent	Excellent
	Positive "P"	Good	Excellent	Excellent
	Positive "PS"	Good	Excellent	Excellent

WHAT ARE THE TORQUE REQUIREMENTS?

Most air tools share the quality: as the speed increases, the torque decreases. This applies to tools within the same horsepower rating.

A. Stall or direct clutch gives the most torque.

B. Positive clutch tools are operator influenced.

C. Adjustable torque clutches are available on most Sioux fastening tools.

D. Torque control is available on No 1 series

AT WHAT ANGLE OR POSITION WILL THE TOOL BE USED?

This will determine the style of tool best suited from an ergonomics point of view.

A. If the fastener is in a vertical position, a straight or lever style tool will be best.

B. If the fastener is in a horizontal position a pistol style tool will be best.

C. If the fastener is in a tight or constricted area the "2S" series works well in this application.

IS REVERSING NECESSARY?

Most fastening applications are going to require a reversible tool. Keep in mind that in most cases a non-reversing tool will have more torque than a reversible tool.

IS THE APPLICATION OPERATOR INFLUENCED OR RESTRICTED?

A. Is the operator male or female? This can be a factor in determining the size of the power tool (weight for example).

B. Does the application lend itself to an auto start tool, as in the No 1 series?

AN EXAMPLE OF APPLYING THESE QUESTIONS TO AN APPLICATION WOULD BE:

Driving a 2" long wood screw into hardwood with a pilot hole. The fastener is in a horizontal position during assembly. A test with a hand torque wrench indicates a prevailing torque of 80 in lbs, and a failing torque of 120 in lbs.

1. 2" long wood screw
2. Hard Wood use positive clutch
3. SSD10P20PS – 100 in lbs
4. Pistol will work best
5. Need reversing
6. Mostly male workers

⚠WARNING
Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

Screwdriver Maintenance

SIOUX

Adjustable Clutch Screwdrivers



1. Tipper valve and valve seat is easily accessible for service
2. Slip fit of front end plate bearing allows easy service of the air motor without disturbing the rotor spacing
3. Rotor pinion is case hardened to resist wear
4. Grease zerk makes it easy to grease the gears without disassembly
5. Ring gear is machined into the motor retainer for ease of assembly and disassembly
6. Planet gear pins are slip fit for ease of assembly and disassembly
7. Interchangeable rotor, cylinder, bearings and end plates. This reduces the number of spare parts tool cribs need to stock

GUIDE TO FASTENERS

Screw Type	Standard Nosepieces Available For All Fasteners Shown Below
Wood Screws	flat head; round head; oval head
Machine Screws * Standard or Special, depending on the washer diameter.	round head; flat head; fillister head; oval head; truss head; binding head; washer head*; pan head; flat side binding head; fillister pan head; flat fillister head; undercut flat head; knob screw head; lentil head; Jackson head; undercut oval head
Tapping or Sheet Metal Screws	round head; flat head; oval head; pan head; truss head
Drive Systems * Special bits required for Clutch and Torx internal and external. Call factory.	Standard: Phillips; Reed -Prince; slotted Special*: clutch; Torx


SSD6P20P


SSD10P20PRR


3T2303


1OM2403


SSD10P20PS

PERFORMANCE:

Torque: 24 in lb (2.7 Nm) – 216 in lb (24.4 Nm)
Speed: 725 rpm – 2500 rpm

FEATURES:

Reversible and Non-reversible
Trigger Start
Trigger or Shuttle Reverse
Comfort Grip
Rotatable Exhaust (1OM series)

POSITIVE CLUTCH PISTOL GRIP & T-HANDLE SCREWDRIVERS

CE

Model Number	Max Torque[1] (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
1 Series – Rapid Reverse – ¼" Quick Change												
1OM2103	55	6.2	725	1.8	0.80	7.7	196	0.7	17	8	4	75
1OM2203	40	4.5	1000	1.8	0.80	7.7	196	0.7	17	8	4	75
1OM2303	30	3.4	1400	1.8	0.80	7.7	196	0.7	17	8	4	75
1OM2403	24	2.7	2000	1.6	0.70	6.7	170	0.7	17	8	4	75
0.6 hp (0.45 kW) Medium Clutch Screwdrivers – ¼" Quick Change												
SSD6P12P	100	11.3	1200	2.6	1.18	8.6	218	0.8	20	25	12	80
SSD6P20P	55	6.2	2000	2.2	0.98	6.8	171	0.8	20	25	12	80
SSD6P20PSRR	55	6.2	2000	2.2	0.98	6.8	171	0.8	20	25	12	80
SSD6P25P	40	4.5	2500	2.2	0.98	6.8	171	0.8	20	25	12	80
SSD6P25PSRR	40	4.5	2500	2.2	0.98	6.8	171	0.8	20	25	12	80
1 hp (0.75 kW) Medium Torque Clutch Screwdrivers – ¼" Quick Change												
SSD10P12P	135	15.3	1200	2.8	1.30	9.1	231	0.8	20	30	14	80
SSD10P20P	70	7.9	2000	2.4	1.07	7.3	185	0.8	20	30	14	80
SSD10P25P	50	5.7	2500	2.4	1.07	7.3	185	0.8	20	30	14	80
1 hp (0.75 kW) High Torque Clutch Screwdrivers – ¼" Quick Change												
SSD10P12PS	145	16.4	1200	2.8	1.30	9.1	231	0.8	20	30	14	80
SSD10P20PS	80	9	2000	2.4	1.07	7.3	185	0.8	20	30	14	80
SSD10P25PS	58	6.5	2500	2.4	1.07	7.3	185	0.8	20	30	14	80
1 hp (0.75 kW) – Medium Torque Positive Clutch Rapid Reverse Screwdriver												
SSD10P20PRR	70	7.9	2000	2.4	1.07	7.3	185	0.8	20	30	14	80
SSD10P25PRR	50	5.7	2500	2.4	1.07	7.3	185	0.8	20	30	14	80
3 Series T-Handle – 7/16" Quick Change												
3T2303[1]	216	24.4	850	6.7	3	33	840	1	25	33	16	81

[1] Torque output varies with force exerted by operator
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1OM series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip (1OM series)
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 685

⚠WARNING
Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

PERFORMANCE:

Torque: 55 in lb (6.2 Nm)
Speed: 800 rpm

FEATURES:

Reversible
Lever Start
Rear Exhaust


1SM2103

POSITIVE CLUTCH INLINE SCREWDRIVERS

Model Number	Max Torque[1] (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
1/4" Quick Change	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Inline												
1SM2103	55	6.2	800	1.4	0.6	9.1	231	0.6	15	8	4	75

[1] Torque output varies with force exerted by operator
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1SM series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip (1SM series)
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 685

PERFORMANCE:

Torque: 18 in lb (2 Nm) – 400 in lb (45.2 Nm)
Speed: 300 rpm – 2600 rpm

FEATURES:

Reversible
Trigger Start
Rapid or Shuttle Reverse
Comfort Grip
1/4" Quick Change



STALL PISTOL GRIP SCREWDRIVERS

Model Number	Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Trigger Start – Trigger Reverse												
1OM2107	55	6.2	725	1.8	0.80	7.7	196	0.7	18	8	4	75
1OM2207	40	4.5	1000	1.8	0.80	7.7	196	0.7	18	8	4	75
1OM2307	30	3.4	1400	1.8	0.80	7.7	196	0.7	18	8	4	75
1OM2407	24	2.7	2000	1.6	0.70	6.7	170	0.7	18	8	4	75
1OM2507	18	2	2600	1.6	0.70	6.7	170	0.7	18	8	4	75
0.6 hp (0.45 kW) Trigger Start – Shuttle Reverse												
SSD6P7S	155	17.8	700	2.4	1.10	6.8	171	0.8	20	25	12	80
SSD6P12S	100	11.3	1200	2.4	1.10	6.8	171	0.8	20	25	12	80
SSD6P20S	55	6.2	2000	2	0.90	5.8	146	0.8	20	25	12	80
SSD6P25S	40	4.5	2500	2	0.90	5.8	146	0.8	20	25	12	80
0.6 hp (0.45 kW) Trigger Start – Rapid Reverse												
SSD6P20SRR	55	6.2	2000	2	0.90	5.8	146	0.8	20	25	12	80
1 hp (0.75 kW) Trigger Start – Shuttle Reverse												
SSD10P3S	400	45.2	300	2.6	1.17	7.5	191	0.8	20	30	14	80
SSD10P5S	325	36.7	500	2.6	1.17	7.5	191	0.8	20	30	14	80
SSD10P7S	220	24.9	700	2.6	1.17	7.5	191	0.8	20	30	14	80
SSD10P12S	145	16.4	1200	2.6	1.17	7.5	191	0.8	20	30	14	80
SSD10P20S	80	9	2000	2.2	0.98	6.5	165	0.8	20	30	14	80
SSD10P25S	58	6.6	2500	2.2	0.98	6.5	165	0.8	20	30	14	80
1 hp (0.75 kW) – Stall Rapid Reverse												
SSD10P20SRR	80	9	2000	2.2	0.98	6.5	165	0.8	20	30	14	80

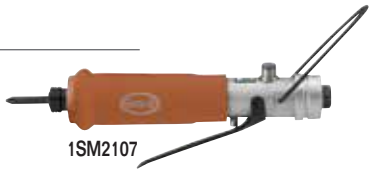
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1OM series); 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see pages 685

PERFORMANCE:

Torque: 24 in lb (2.7 Nm) – 400 in lb (45.2 Nm)
Speed: 300 rpm – 2500 rpm

FEATURES:

Reversible
Lever Start
Rear Exhaust
Suspension Bail
1/4" Quick Change


1SM2107


SSD10S20S

STALL INLINE SCREWDRIVERS

Model Number	Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Inline – Reversible – ¼" Quick Change Drive												
1SM2107	55	6.2	800	1.4	0.60	9.1	231	0.6	15	8	4	75
1SM2407	24	2.7	2200	1.3	0.60	8.1	206	0.6	15	8	4	75
Inline – Stall Clutch												
SSD10S3S	400	45.2	300	2.2	1.00	9.5	240	0.8	20	30	14	80
SSD10S5S	325	36.7	500	2.2	1.00	9.5	240	0.8	20	30	14	80
SSD10S7S	220	24.9	700	2.2	1.00	9.5	240	0.8	20	30	14	80
SSD10S12S	145	16.4	1200	2.2	1.00	9.5	240	0.8	20	30	14	80
SSD10S20S	80	9	2000	1.9	0.85	8.4	215	0.8	20	30	14	80
SSD10S25S	58	6.6	2500	1.9	0.85	8.4	215	0.8	20	30	14	80

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1SM series); 3/8" (10 mm) (SSD series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip (1SM series) • Suspension Bail
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 685

PERFORMANCE:

Torque: 20 in lb (2.3 Nm) – 140 in lb (15.8 Nm)
Speed: 300 rpm – 2500 rpm

FEATURES:

Reversible
Trigger Start
Rapid or Shuttle Reverse
Comfort Grip


1OM2105Q

SSD10P20AC

SSD6P20AC

ADJUSTABLE CLUTCH PISTOL GRIP SCREWDRIVERS

Model Number	Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Trigger Start – Rapid Reverse												
1OM2105Q	50	5.7	725	2.1	0.95	8.8	224	0.7	17	8	4	75
1OM2205Q	35	4	1000	2.1	0.95	8.8	224	0.7	17	8	4	75
1OM2305Q	25	2.8	1400	2.1	0.95	8.8	224	0.7	17	8	4	75
1OM2405Q	20	2.3	2000	1.9	0.86	7.8	198	0.7	17	8	4	75
0.6 hp (0.45 kW) Trigger Start – Shuttle Reverse												
SSD6P7AC	140	15.8	700	3	1.36	10.3	262	0.8	20	25	12	80
SSD6P12AC	100	11.3	1200	3	1.36	10.3	262	0.8	20	25	12	80
SSD6P20AC	55	6.2	2000	2.6	1.16	8.5	216	0.8	20	25	12	80
SSD6P25AC	40	4.5	2500	2.6	1.16	8.5	216	0.8	20	25	12	80
1 hp (0.75 kW) Trigger Start – Shuttle Reverse												
SSD10P3AC	140	15.8	300	3.2	1.45	10.2	259	0.8	20	30	14	80
SSD10P5AC	140	15.8	500	3.2	1.45	10.2	259	0.8	20	30	14	80
SSD10P7AC	140	15.8	700	3.2	1.45	10.2	259	0.8	20	30	14	80
SSD10P12AC	120	13.5	1200	3.2	1.45	10.2	259	0.8	20	30	14	80
SSD10P20AC	80	9	2000	2.8	1.25	8.4	213	0.8	20	30	14	80
SSD10P25AC	60	6.8	2500	2.8	1.25	8.4	213	0.8	20	30	14	80

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1OM series); 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip • Clutch Adjustment Wrench
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 685

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

PERFORMANCE:

Torque: 20 in lb (2.3 Nm) – 140 in lb (15.8 Nm)
Speed: 300 rpm – 2500 rpm

FEATURES:

Reversible
Rear Exhaust
External Clutch Adjustment


1SM2105Q


1SM2405


SSD10S20AC

CE

ADJUSTABLE CLUTCH INLINE SCREWDRIVERS

Model Number		Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
1/4" Quick Change	1/4" Internal Hex	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Inline – Lever Start													
1SM2105Q		50	5.7	800	1.6	0.70	10.3	262	0.6	15	8	4	75
1SM2205Q		35	4	1100	1.6	0.70	10.3	262	0.6	15	8	4	75
1SM2305Q		25	2.8	1500	1.6	0.70	10.3	262	0.6	15	8	4	75
1SM2405Q	1SM2405	20	2.3	2200	1.4	0.60	9.3	236	0.6	15	8	4	75
Inline – Lever Start													
SSD10S3AC		140	15.8	300	2.8	1.25	12.3	315	0.8	20	30	14	80
SSD10S5AC		140	15.8	500	2.8	1.25	12.3	315	0.8	20	30	14	80
SSD10S7AC		140	15.8	700	2.8	1.25	12.3	315	0.8	20	30	14	80
SSD10S12AC		120	13.5	1200	2.8	1.25	12.3	315	0.8	20	30	14	80
SSD10S20AC		80	9	2000	2.5	1.15	11.2	285	0.8	20	30	14	80
SSD10S25AC		60	6.8	2500	2.5	1.15	11.2	285	0.8	20	30	14	80

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1SM series); 3/8" (10 mm)(SSD series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip (1SM series) • Suspension Bail • Clutch Adjustment Wrench
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 685

PERFORMANCE:

Torque: 5 in lb (0.6 Nm) – 50 in lb (5.5 Nm)
Speed: 300 rpm – 2800 rpm

FEATURES:

Push-to-Start
Reversible
Locking Button Reverse
External Clutch Adjustment


1OT2208Q

CE

TORQUE CONTROL SCREWDRIVERS

Model Number	Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
1/4" Quick Change	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Inline – Push To Start												
1ST2108Q	5-50	0.6-5.5	800	1.6	0.7	9.3	236	0.6	15	8	4	75
1ST2208Q	5-35	0.6-4	1100	1.6	0.7	9.3	236	0.6	15	8	4	75
1ST2308Q	5-25	0.6-3	1500	1.6	0.7	9.3	236	0.6	15	8	4	75
1ST2508Q	5-14	0.6-1.5	2800	1.4	0.6	8.3	211	0.6	15	8	4	75
Pistol Grip – Push To Start												
1OT2108Q	5-50	0.6-5.5	725	2.1	1.0	8.8	225	0.7	17	10	5	75
1OT2208Q	5-35	0.6-4	1000	2.1	1.0	8.8	225	0.7	17	10	5	75
1OT2308Q	5-25	0.6-3	1400	2.1	1.0	8.8	225	0.7	17	10	5	75
1OT2508Q	5-14	0.6-1.5	2600	1.9	0.9	7.8	200	0.7	17	10	5	75

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1OT, 1ST series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip (1OT, 1ST series) • Suspension Bail (Inline models)
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 685

PERFORMANCE:

Torque: 36 in lb (4.1 Nm) – 70 in lb (7.9 Nm)
Speed: 1000 rpm – 2200 rpm

FEATURES:

Lever Start
Rear Exhaust


2S2107


2S2103Q


2S2105Q

Z-HANDLE SCREWDRIVERS

Model Number	Max Torque[1] (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
¼" Quick Change	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Z-Handle – Stall												
2S2107	70	7.9	1000	2.3	1	2.9	74	0.9	23	16	8	75
2S2207	50	5.7	1600	2.3	1	2.9	74	0.9	23	16	8	75
2S2307	36	4.1	2200	2.3	1	2.9	74	0.9	23	16	8	75
Z-Handle – Low Torque Clutch[1]												
2S2103Q	60	6.8	1000	2.6	1.2	4.3	109	0.9	23	16	8	75
Z-Handle – Mid-Torque Clutch[1]												
2S2103AQ	60	6.8	1000	2.6	1.2	4.3	109	0.9	23	16	8	75
2S2203AQ	46	5.2	1600	2.6	1.2	4.3	109	0.9	23	16	8	75
2S2303AQ	30	3.4	2200	2.6	1.2	4.3	109	0.9	23	16	8	75
Z-Handle – Lever Start – Adjustable Clutch												
2S2105Q	60	6.8	1000	2.9	1.3	5.8	147	0.9	23	16	8	75
2S2305Q	30	3.4	2200	2.9	1.3	5.8	147	0.9	23	16	8	75

[1] Torque output varies with force exerted by operator

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Suspension Bail
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 685


1AM2105



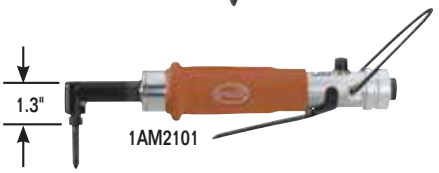
SSD10A10S

PERFORMANCE:

Torque: 35 in lb (4 Nm) – 400 in lb (45.2 Nm)
Speed: 300 rpm – 2000 rpm

FEATURES:

Stall Drive & Adjustable Clutch
Button Reverse
Lever Start
Rear Exhaust



1AM2101

RIGHT ANGLE SCREWDRIVERS

Model Number		Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
¼" Quick Change	¼" Internal Hex	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Stall Drive													
	1AM2101	50	5.7	800	1.5	0.70	10	254	0.3	8	8	4	75
	1AM2201	35	4	1100	1.5	0.70	10	254	0.3	8	8	4	75
Stall Drive													
SSD10A3S		400	45.2	300	3.4	1.50	12	305	0.8	20	30	14	80
SSD10A5S		325	36.7	500	3.4	1.50	12	305	0.8	20	30	14	80
SSD10A6S		220	24.9	600	3.4	1.50	12	305	0.8	20	30	14	80
SSD10A10S		145	16.4	1000	3.4	1.50	12	305	0.8	20	30	14	80
SSD10A16S		80	9	1600	3	1.35	11	280	0.8	20	30	14	80
SSD10A20S		58	6.6	2000	3	1.35	11	280	0.8	20	30	14	80
Adjustable Clutch													
	1AM2105	50	5.7	800	1.9	0.90	11.8	300	0.3	8	8	4	75
	1AM2205	35	4	1100	1.9	0.90	11.8	300	0.3	8	8	4	75

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1AM series); 3/8" (10 mm) (SSD series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Comfort Grip (1AM series)
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 685

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX


3A2104


SNR10A10S


1AM2106

PERFORMANCE:

Torque: 20 in lb (2.3 Nm) – 600 in lb (68 Nm)
Speed: 300 rpm – 2000 rpm

FEATURES:

Reversible
Lever Start
Rear and Side Exhaust

CE

RIGHT ANGLE NUTRUNNERS

Model Number	Bolt Capacity[2]		Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Sound Level	Drive Size	
	in	mm	in lb	Nm	rpm	lb	kg	in	mm	in	mm	dB(A)	in	mm
Torque Control Clutch														
3A2108[1]	3/8	M10	360	41	300	7.4	3.40	18.3	465	0.8	20	81	1/2	13
3A2208[1]	3/8	M10	294	33	480	7.4	3.40	18.3	465	0.8	20	81	1/2	13
Adjustable Clutch														
1AM2106	#10	M4.5	50	5.7	800	1.9	0.90	11.6	295	0.3	8	75	1/4	6
Stall Drive														
1AM2102	#10	M4.5	50	5.7	800	1.5	0.70	11.5	292	0.3	8	75	1/4	6
Stall Drive														
3A2104[1]	7/16	M11	600	68	300	5.5	2.50	15.5	394	0.8	20	81	1/2	13
Stall Drive														
SNR10A3S	3/8	M10	400	45.2	300	2.9	1.30	12	305	0.8	20	80	3/8	10
SNR10A5S	3/8	M10	325	36.7	500	2.9	1.30	12	305	0.8	20	80	3/8	10
SNR10A6S	3/8	M10	220	24.9	600	2.9	1.30	12	305	0.8	20	80	3/8	10
SNR10A10S	5/16	M8	145	16.4	1000	2.9	1.30	12	305	0.8	20	80	3/8	10
SNR10A16S	1/4	M6	80	9	1600	2.6	1.15	11	280	0.8	20	80	3/8	10
SNR10A20S	#10	M4.5	58	6.6	2000	2.6	1.15	11	280	0.8	20	80	1/4	6

[1] Not CE Certified
[2] Bolt capacities are based on suggested assembly torques applied to SAE Grade 5 and metric Class 9.8 fasteners under slightly lubricated conditions.
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1AM series); 3/8" (10 mm) (SNR, 3A series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip (1AM series) • Clutch Adjustment Wrench
Accessories: Nutrunner Accessories, see page 685

PERFORMANCE:

Power: 0.3 hp (0.25 kW)
Torque: 35 ft lb (47 Nm)

FEATURES:

Lever Start
Teasing Throttle
Comfort Grip


SRW03S-25

RATCHET WRENCHES

Model Number	Drive Size		Torque		Free Speed	Weight		Length		Side to Center		Sound Level	Air Consumption		Exhaust
	in	mm	ft lb	Nm	rpm	lb	kg	in	mm	in	mm	dB(A)	cfm	l/s	
0.3 hp (0.25 kW)															
SRW03S-25	¼"	6	35	47	235	1.4	0.6	7.7	197	1.1	28	85.9	1.4	0.66	Rear
SRW03S-38	⅜"	10	35	47	235	1.4	0.6	7.7	197	1.1	28	85.9	1.4	0.66	Rear
SRW03S-38Q	⅜"	10	35	47	235	1.4	0.6	7.7	197	1.1	28	85.9	1.4	0.66	Rear

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Ratchet Accessories, see page 685


SRW07-38

PERFORMANCE:

Power: 0.7 hp (0.52 kW)
Torque: 65 ft lb (88 Nm)

RATCHET WRENCHES

Model Number	Drive Size		Torque		Free Speed	Weight		Length		Side to Center		Sound Level	Air Consumption		Exhaust
	in	mm	ft lb	Nm	rpm	lb	kg	in	mm	in	mm	dB(A)	cfm	l/s	
0.7 hp (0.52 kW)															
SRW07-38	⅜"	10	65	88	260	3	1.3	11.8	300	1	25	90	2.7	1.27	Front
SRW07-50	½"	13	65	88	260	3	1.3	11.8	300	1	25	90	2.7	1.27	Front

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Ratchet Accessories, see page 685

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

ASSEMBLY

We're Making A Big Impact

Impact wrenches are the true workhorses of industrial power tools. These incredibly powerful tools make easy work of any job in a variety of applications. Before the creation of impact tools, workers had to manually strike a hammer against a hand wrench in order to loosen or tighten nuts or bolts. They could only manage a few blows per minute. But today's impact wrenches can exert more powerful blows, and some can produce over 2000 blows per minute. This is accomplished by using the energy of compressed air and converting the motor's torque into a rapid series of powerful rotary impacts.

CHOICE OF CONFIGURATION

Sioux Tools offers Industrial and Force Impact Wrenches and Impact Drivers in a wide variety of configurations to meet your specific applications. In order to select the correct impact tool for your job requirements, you must take into account several factors including fastener size and grade, required torque output, and accessibility. Choosing the right mix of features such as handle configuration, type of retainer, torque output, anvil length, and drive size will make operators more productive, with less risk of discomfort and/or injury.

INDUSTRIAL IMPACT TOOLS

Built to a higher level of quality, Sioux Industrial Impact Wrenches and Impact Drivers are built a step above the standard. Manufactured from the highest quality materials, and utilizing the most advanced motor and clutch designs, these tools are constructed to hold up under continuous use in the toughest working environments.

Our extensive lineup of impact tools includes a wide selection of important features including:

- Ball & Cam or Twin Hammer impact mechanisms
- Inline, pistol grip, or D-handle configurations
- Pin, friction ring, quick change, or thru hole socket retainers
- Standard or extended anvils

In addition, Sioux offers a wide range of performance levels and characteristics to ensure a perfect match to your application. With drive sizes ranging from 1/4" (6 mm) to 1-1/2" (38 mm), and torque outputs up to 2500 ft lb (3390 Nm), finding the tool to meet your performance requirements will be simple.

IMPACT WRENCH PRINCIPLES OF OPERATION

An impact wrench delivers a series of rotary blows to a fastener, producing torque.

The action of the torque creates clamp force in an assembly.

Interaction of the motor, clutch and drive-end determine the type of application an impact wrench can handles.

The advantages of impact wrenches are a high power-to weight ratio, fast rundown, and no torque reaction to operator.

CLASS OF SERVICE

High production – automobile assembly plants, farm and construction equipment, etc.

Low production – large machinery assembly

Maintenance or repair work

JOB CONDITIONS

Hard pull-up – rigid joint

Soft pull-up – spring joint

Run-down – free running, or prevailing torque (lock nut, self threading screw)

MATERIAL

Metal-to-metal

Metal/gasket

Rubber or plastic

ASSEMBLY METHOD

General tightening – operator judgment

Turn-of-the-nut – permanent assemblies (steel erection and construction equipment)

Note: If it takes five seconds or longer to reach final tightness, a larger wrench should be used.


IW38TBP-3P


IW38HAP-3P


IW50HAP-4P


IW500MP-4R

PERFORMANCE:

Working Torque: 10 ft lb (13 Nm) – 450 ft lb (610 Nm)
Drive Size: 3/8" (10 mm) – 1/2" (13 mm) square drive
Bolt Capacity: 1/4" (6 mm) – 5/8" (16 mm)

FEATURES:

Pistol Grip
Steel Anvil Housing
Suspension Bail

3/8" (10 MM) & 1/2" (13 MM) IMPACT WRENCHES

CE

Model Number	Drive Size		Bolt Cap Grade 5		Working Torque Range[1]		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Avg Air Consumption		Socket Retainer Style
	in	mm	in	mm	ft lb	Nm	ft lb	Nm		rpm	lb	kg	in	mm	in	mm	cfm	l/s	
IW50HAP-4F	½	13	⅝	16	100-450	135-610	550	745	1140	7000	4.3	1.9	7.6	192	1.3	33	4	2	Ring
IW50HAP-4P	½	13	⅝	16	100-450	135-610	550	745	1140	7000	4.3	1.9	7.6	192	1.3	33	4	2	Pin
IW38TBP-3P	⅜	10	¼	6	10-70	13-95	70	95	2000	8000	2.1	1.0	6.3	160	0.9	22	2	1	Pin
IW38HAP-3F	⅜	10	⅜	10	60-200	80-270	250	340	1380	10000	3.3	1.5	6.7	170	1.1	28	2	1	Ring
IW38HAP-3P	⅜	10	⅜	10	60-200	80-270	250	340	1380	10000	3.3	1.5	6.7	170	1.1	28	2	1	Pin
IW38HAP-4F	½	13	⅜	10	60-200	80-270	250	340	1380	10000	3.3	1.5	6.7	170	1.1	28	2	1	Ring
IW38HAP-4P	½	13	⅜	10	60-200	80-270	250	340	1380	10000	3.3	1.5	6.7	170	1.1	28	2	1	Pin
IW500MP-4R	½	13	⅝	10	100-624	135-845	780	1058	1200	9400	4.2	1.9	7	178	1.5	38	4	2	Ring
IW500MP-4P	½	13	⅝	10	100-624	135-845	780	1058	1200	9400	4.2	1.9	7	178	1.5	38	4	2	Pin

[1] Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Suspension Bail
Accessories: Impact Wrench Accessories, see page 685


IW375AP-3P

KEY FEATURES:

High power to weight ratio
High impact rate of 5,000 blows per minute
Working torque range up to 95 ft/lbs
Extended life through bearing design
Smooth Impacting that creates minimal torque reaction
Includes rubber boot for hammer case

APPLICATIONS:

Wood Screws
Self-tapping screws
Lag bolts
High prevailing torque applications

3/8" Pinned Anvil

3/8" Friction Ring Anvil

3/8" (10 MM) IMPACT WRENCH

CE

Model Number	Drive Size		Working Torque Range[1]		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Socket Retainer Style
	in	mm	ft lb	Nm	ft lb	Nm		rpm	lb	kg	in	mm	in	mm	
Pistol Grip															
IW375AP-3P	⅜	10	10-95	13-130	100	135	5000	4000	2.5	1.1	8.5	216	0.85	21	Pin
IW375AP-3F	⅜	10	10-95	13-130	100	135	5000	4000	2.5	1.1	8.5	216	0.85	21	Ring

[1] Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Impact Wrench Accessories, see page 685

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.


IW100HAI-8H


IW1000MP-8H


IW75BP-6H

PERFORMANCE:

Working Torque: 800 ft lb (1085 Nm) – 2500 ft lb (3390 Nm)
Drive Size: 3/4" (19 mm) – 1-1/2" (38 mm)
Bolt Capacity: 3/4" (19 mm) – 2" (50 mm)

FEATURES:

Pistol Grip and D-Handle
Inside and Outside Trigger (D-Handle Models)
Steel Anvil Housing

3/4" (19 MM), 1" (25 MM), 1-1/2" (38 MM) IMPACT WRENCHES

Model Number	Drive Size		Bolt Cap Grade 5		Maximum Working Torque[1]		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Avg Air Consumption		Socket Retainer Style
	in	mm	in	mm	ft lb	Nm	ft lb	Nm		rpm	lb	kg	in	mm	in	mm	cfm	l/s	
Pistol Grip																			
IW75BP-6H	¾	19	¾	19	800	1085	1000	1356	1000	5700	11.6	5.3	7.6	193	1.75	45	15	7	Hole
IW75BP-8H	1	25	¾	19	825	1119	1100	1492	1000	5700	11.7	5.3	7.6	193	1.75	45	15	7	Hole
D-Handle – Inside Trigger																			
IW1000MP-8H	1	25	1 ¼	32	1200	1630	1700	2300	825	6500	18.2	8.3	14.8	376	1.85	47	34	16	Hole/Ring
IW1000MP-8H5	1	25	1 ¼	32	1200	1630	1700	2300	825	6500	19.7	8.9	19.3	490	1.85	47	34	16	Hole/Ring
IW100HAI-8H	1	25	1 ⅜	35	1600	2170	2000	2710	850	5000	22	10	12.4	315	2	51	38	18	Hole
IW100HAI-8H6	1	25	1 ⅜	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2	51	38	18	Hole
IW100HAI-5S	#5 Spline		1 ⅜	35	1600	2170	2000	2710	850	5000	22	10	12.4	315	2	51	38	18	Hole
IW100HAI-5S6	#5 Spline		1 ⅜	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2	51	38	18	Hole
IW150HAI-5S	#5 Spline		2	50	2500	3390	3000	4070	650	3750	33	15	14.5	368	2.5	65	60	28	Hole
IW150HAI-12H	1 ½	38	2	50	2500	3390	3000	4070	650	3750	33.1	15	14.5	368	2.5	65	60	28	Hole
D-Handle – Outside Trigger																			
IW100HAO-8H	1	25	1 ⅜	35	1600	2170	2000	2710	850	5000	22	10	12.4	315	2	51	38	18	Hole
IW100HAO-8H6	1	25	1 ⅜	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2	51	38	18	Hole
IW100HAO-5S	#5 Spline		1 ⅜	35	1600	2170	2000	2710	850	5000	22	10	12.4	315	2	51	38	18	Hole
IW100HAO-5S6	#5 Spline		1 ⅜	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2	51	38	18	Hole
IW150HAO-5S	#5 Spline		2	50	2500	3390	3000	4070	650	3750	33	15	14.5	368	2.5	65	60	28	Hole
IW150HAO-12H	1 ½	38	2	50	2500	3390	3000	4070	650	3750	33	15	14.5	368	2.5	65	60	28	Hole

[1]Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.

General: Air Inlet Size: 3/8" NPT (IW75 series) • Air Inlet Size: 1/2" NPT (IW100 & IW150 series) • Recommended Hose Size: 1/2" (30 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Suspension Bail (IW75 models) • Support handle (D-Handle models)
Accessories: Impact Wrench Accessories, see page 685

PERFORMANCE:

Maximum Torque: 1050 ft lb (1423 Nm)
Drive Size: 3/4" (19 mm)

FEATURES:

Light weight composite housing with aluminum nose
Increased power through motor & impact mechanism designs
Grease Clutch
Reverse biased
One hand Forward / Reverse operation
Through Hole Retainer
Pinned Anvil Retainer
Friction Ring Retainer


IW750MP-6P

HEAVY DUTY IMPACT WRENCHES

Model Number	Drive Size		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Air Consumption (Free Speed)		Socket Retainer Style
	in	mm	ft lb	Nm		rpm	lb	kg	in	mm	cfm	l/min	
Pistol Grip ¾" Impact Wrench													
IW750MP-6P	¾	19	1050	1423	1050	6700	7.5	3.44	8.5	215	5.6	159	Pin
IW750MP-6H	¾	19	1050	1423	1050	6700	7.5	3.44	8.5	215	5.6	159	Hole
IW750MP-6R	¾	19	1050	1423	1050	6700	7.5	3.44	8.5	215	5.6	159	Friction Ring

[1] Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.

General: 3/4" Anvil: Air Inlet Size: 3/8-18 NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Accessories: Impact Wrench Accessories, see page 685


IW38TBP-2Q


IW38HAP-7Q

PERFORMANCE:

Torque: 10 ft lb (13 Nm) – 200 ft lb (270 Nm)
Drive Size: 1/4" (6 mm) hex – 7/16" (11 mm) hex
Bolt Capacity: 1/4" (6 mm) – 3/8" (10 mm)

FEATURES:

Pistol Grip
Steel Anvil Housing
Suspension Bail
Quick Change Bit Retainer

IMPACT DRIVERS

Model Number	Drive Size		Bolt Cap Grade 5		Working Torque Range[1]		Maximum Torque		Blows Per	Free Speed	Weight		Length		Side To Center		Avg Air Consumption		Socket Retainer
	in	mm	in	mm	ft lb	Nm	ft lb	Nm	Minute	rpm	lb	kg	in	mm	in	mm	cfm	l/s	Style
Pistol Grip – Trigger Start																			
IW38HAP-7Q	7/16	11	3/8	10	60-200	80-270	250	340	1380	10,000	3.3	1.5	6.7	170	1.1	28	2	1	QC
IW38TBP-2Q	1/4	6	1/4	6	10-70	13-95	70	95	2000	8000	2.1	1	6.3	160	0.9	22	2	1	QC

[1] Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Suspension Bail
Accessories: Impact Driver Accessories, see page 685


ID375AP-2Q


ID375AP-2QRR

KEY FEATURES:

High power to weight ratio
High impact rate of 5,000 blows per minute
Working torque range up to 95 ft/lbs
Extended life through bearing design
Smooth Impacting that creates minimal torque reaction includes rubber boot for hammer case

APPLICATIONS:

Wood Screws
Self-tapping screws
Lag bolts
High prevailing torque applications


1/4" Quick Change

1/4" (6 MM) IMPACT DRIVER

Model Number	Drive Size		Working Torque Range[1]		Maximum Torque		Blows Per	Free Speed	Weight		Length		Side To Center		Socket Retainer
	in	mm	ft lb	Nm	ft lb	Nm	Minute	rpm	lb	kg	in	mm	in	mm	Style
ID375AP-2Q	1/4	6	10-55	13-75	60	80	5000	4000	2.5	1.1	8.5	216	085	21	Quick Change
ID375AP-2QRR	1/4	6	10-55	13-75	60	80	5000	4000	2.5	1.1	8.5	216	085	21	Quick Change

[1] Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Impact Wrench Accessories, see page 685

WARNING
Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.



41284

CLUTCH SPRINGS

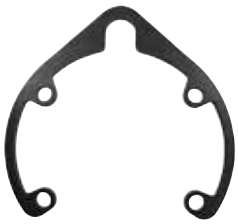
Part Number	Color	Torque Range	
		in lb	Nm
SSD, SD9A, 2 Series Adjustable Clutch			
41284	Green	<25	<2.8
21427	N/A	>25	>2.8
1 Series Adjustable Clutch			
66048	Silver	30-50	3.4-5.7
66049	Blue	15-35	1.7-4
66050	Green	2-20	0.22-2.3
2 Series Torque Control Clutch			
65048	Silver	60-280	6.8-32
65049	Blue	36-180	4.1-20
65050	Green	30-120	3.4-14



66193

COMFORT GRIPS

Part Number	For Use On
66124	1 Series inline (except 2800 rpm)
66193	1 Series inline (2800 rpm)
68340	1 Series pistol grip



IW500-3



74994A

TETHER PLATE KITS

Part Number	For Use On
IW500-3	IW500MP
74994A	IW750MP

ABRASIVE

Make Easy Work Out Of A Daily Grind

As manufacturing materials advance, so do the requirements for the tools to work on them. This means new speeds and attachments to handle the demands of increased precision and waste reduction.

THE RIGHT TOOL FOR THE JOB

When selecting a grinder and accessories for your application, be sure to choose one with enough horsepower to drive the abrasive wheel you are using. This will allow the grinder's speed to work for you. When the operator bears down on an under-powered tool, it slows the rpm output and reduces overall efficiency.



INDUSTRIAL GRINDERS

Sioux has a great selection of inline and right angle grinders with collet sizes from 1/4" to 1/2" & 3 mm – 8 mm for a variety of applications. Speeds range up to 25,000 rpm to get the job done quickly and efficiently. Some models offer a choice of throttle control that is most convenient and comfortable for the operator. We also have extended models that fit into tight, hard to reach places.

ABRASIVE GRINDERS PRINCIPLES OF OPERATION

When wheels, pads or other accessories are attached to the spindle, the tool can be used to remove metal or composites in a variety of ways.

ABRASIVE SAFETY

Grinders can cause flying particles. Proper eye protection must be worn at all times by tools user and bystanders.

Under improper use and wear, Air grinders can cause serious injury and death. The following instructions are important and should be followed explicitly but cannot cover all contingencies. Good judgment is always required.

Using a grinder without a guard can cause injury. The grinder is to be operated with an appropriate guard at all times when a grinding wheel is used. Replace a damaged guard. The guard is to be the proper one for the wheel being used.

Damaged grinding wheels can explode. Check the wheel for damage before mounting, such as chips and cracks. Handle wheels carefully to avoid dropping or bumping. Protect wheels from extremes of temperature and humidity. Check wheels immediately after any unusual occurrence that may damage wheels.



Over speeding wheels can explode. Check the speed rating of the accessory or the speed printed on the wheel. This speed must be greater than the name plate speed of the grinder/sander and the actual speed of the grinder/sander as measured with a tachometer.

Unsecured work can move violently when grinding. Secure work; use clamps or vise to hold work.

Grinders may coast for a short time after the trigger is released. Be sure tool has come to a complete stop before setting it aside.

Grinding wheels that malfunction or spin off can cause injury. Be certain that all wheel, flanges, nuts and related equipment are in good shape, the proper ones for the type and size of wheel being used, and are securely fastened.

Exploding wheels can cause injury or death. If the normal sound of the grinder changes, or if it vibrates excessively, shut it off immediately, remove the wheel, and check speed with tachometer.

Unexpected starts can cause injury. Be sure actuator is off before hooking up air.

Breathing grinding dust can cause injury. Do not breathe grinding dust.
Use approved mask.

Explosions and fire can cause injury. Only grind metals if the area is free of combustible or explosive materials or vapors.

Contact with rotating grinding wheels can cause injury. Keep hands and other body parts away from grinding wheels and sanding pads and disks to prevent cutting or pinching. Wear protective clothing and gloves to protect hands.

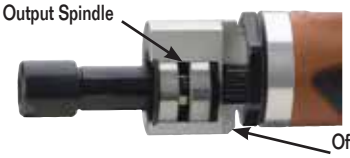
Tools starting unexpectedly can cause injury. Always remove tool from air supply and activate trigger to bleed air line before making any adjustments, changing accessories, or doing any maintenance or service on the tool.

Flying grinding wheels or accessories can cause injury. Tighten collet securely. Match wheel or accessory shaft diameter to chuck or collet.

Exploding or flying parts can cause injury. Do not use cut off wheels or router bits with die grinders.

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.




SDG10SHT12


SDG10SHT08

HIGH TORQUE DIE GRINDERS

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – High Torque										
SDG10SHT08	8000	2	0.90	9.5	240	85.1	35	16.5	¼"	Rear
SDG10SHT08M6	8000	2	0.90	9.5	240	85.6	35	16.5	6 mm	Rear
SDG10SHT12	12,000	2	0.90	9.5	240	81.8	35	16.5	¼"	Rear
SDG10SHT12M6	12,000	2	0.90	9.5	240	84	35	16.5	6 mm	Rear

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Collet & Wrenches
Accessories: Grinder Accessories, see page 698


RT1985

PERFORMANCE:

Power: 1.5 hp (1.1 kW)
Speed: 20,000 rpm
Collet Size: 1/4" – 1/2" & 6 mm

FEATURES:

Twist Throttle
Side Exhaust
Built-in Speed Control

STRAIGHT DIE GRINDERS

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1.5 hp (1.1 kW) – Twist Throttle										
RT1985[1]	20,000	4.3	2	7.6	193	84	38	18	¼"	Side
1985-1/2	20,000	4.3	2	7.6	193	84	38	18	½"	Side
1985A	20,000	4.3	2	7.6	193	84	38	18	⅜"	Side

[1]Not CE Certified
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Collet & Wrenches • Collet Guard (1DS series)
Accessories: Grinder Accessories, see page 698


SDG03S25


SDG05S23


SDG7S25F


SDG10S25F

PERFORMANCE:

Power: 0.3 hp (0.2 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 25,000 rpm
Collet Size: 1/4" & 6 mm

FEATURES:

Lockoff Lever
Front or Rear Exhaust
Built-in Speed Control

STRAIGHT DIE GRINDERS

CE

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
0.3 hp (0.22 kW) – Lever Throttle – 200 Series Collet										
SDG03S25	25,000	1	0.45	6.25	160	84.3	11	5.2	¼"	Rear
SDG03S25M6	25,000	1	0.45	6.25	160	83.3	11	5.2	6 mm	Rear
0.3 hp (0.22 kW) – Lever Throttle – 300 Series Collet										
SDG03S25S	25,000	1	0.45	6.25	160	83.3	11	5.2	¼"	Rear
SDG03S25M6S	25,000	1	0.45	6.25	160	83.3	11	5.2	6mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 200 Series Collet										
SDG05S18	18,000	1.2	0.54	7	180	82.4	23	10.9	¼"	Rear
SDG05S18M6	18,000	1.2	0.54	7	180	87.4	23	10.9	6 mm	Rear
SDG05S23	23,000	1.2	0.54	7	180	87.7	23	10.9	¼"	Rear
SDG05S23M6	23,000	1.2	0.54	7	180	85.1	23	10.9	6 mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 300 Series Collet										
SDG05S18S	18,000	1.2	0.54	7	180	87.4	23	10.9	¼"	Rear
SDG05S18M6S	18,000	1.2	0.54	7	180	87.4	23	10.9	6mm	Rear
SDG05S23S	23,000	1.2	0.54	7	180	85.1	23	10.9	¼"	Rear
SDG05S23M6S	23,000	1.2	0.54	7	180	85.1	23	10.9	6mm	Rear
0.7 hp (0.52 kW) – Lever Throttle – 200 Series Collet										
SDG7S18F	18,000	1.2	0.6	6	150	85	25	12	¼"	Front
SDG7S18M6F	18,000	1.2	0.6	6	150	82	25	12	6 mm	Front
SDG7S25F	25,000	1.2	0.6	6	150	82.3	25	12	¼"	Front
SDG7S25FS	25,000	1.2	0.6	6	150	82	25	12	¼"	Front
SDG7S25M6F	25,000	1.2	0.6	6	150	82	25	12	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet										
SDG10S12F	12,000	1.7	0.8	7.5	190	85.1	30	14	¼"	Front
SDG10S12M6F	12,000	1.7	0.8	7.5	190	78	30	14	6 mm	Front
SDG10S12R	12,000	1.7	0.8	7.5	190	84.4	30	14	¼"	Rear
SDG10S12M6R	12,000	1.7	0.8	7.5	190	78	30	14	6 mm	Rear
SDG10S18F	18,000	1.7	0.8	7.5	190	81.5	30	14	¼"	Front
SDG10S18M6F	18,000	1.7	0.8	7.5	190	78	30	14	6 mm	Front
SDG10S18R	18,000	1.7	0.8	7.5	190	81.1	30	14	¼"	Rear
SDG10S18M6R	18,000	1.7	0.8	7.5	190	78	30	14	6 mm	Rear
SDG10S25F	25,000	1.7	0.8	7.5	190	86.8	30	14	¼"	Front
SDG10S25M6F	25,000	1.7	0.8	7.5	190	78	30	14	6 mm	Front
SDG10S25R	25,000	1.7	0.8	7.5	190	83.2	30	14	¼"	Rear
SDG10S25M6R	25,000	1.7	0.8	7.5	190	78	30	14	6 mm	Rear

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Collet & Wrenches • Collet Guard (1DS series)
Accessories: Grinder Accessories, see page 698

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.



SDGS1S18



SDGS1S18G

PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed: 12,000 rpm – 25,000 rpm
Collet Size: 1/4" & 6 mm

FEATURES:

Lockoff Lever
Front or Rear Exhaust
Built-in Speed Control

STRAIGHT METAL BODY DIE GRINDERS

CE

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing										
SDGA1S12	12,000	1.5	0.7	6.9	175	90.9	30	14	1/4"	Front
SDGA1S12M6	12,000	1.5	0.7	6.9	175	91	30	14	6 mm	Front
SDGA1S18	18,000	1.5	0.7	6.9	175	87.4	30	14	1/4"	Front
SDGA1S18M6	18,000	1.5	0.7	6.9	175	87	30	14	6 mm	Front
SDGA1S25	25,000	1.5	0.7	6.9	175	86.2	30	14	1/4"	Front
SDGA1S25M6	25,000	1.5	0.7	6.9	175	86	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip										
SDGA1S12G	12,000	1.4	0.6	6.9	175	91.3	30	14	1/4"	Front
SDGA1S12M6G	12,000	1.4	0.6	6.9	175	91	30	14	6 mm	Front
SDGA1S18G	18,000	1.4	0.6	6.9	175	86.8	30	14	1/4"	Front
SDGA1S18M6G	18,000	1.4	0.6	6.9	175	86	30	14	6 mm	Front
SDGA1S25G	25,000	1.4	0.6	6.9	175	85.4	30	14	1/4"	Front
SDGA1S25M6G	25,000	1.4	0.6	6.9	175	85	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing										
SDGS1S12	12,000	2.2	1	6.9	175	90.4	30	14	1/4"	Front
SDGS1S12M6	12,000	2.2	1	6.9	175	90	30	14	6 mm	Front
SDGS1S18	18,000	2.2	1	6.9	175	85.8	30	14	1/4"	Front
SDGS1S18M6	18,000	2.2	1	6.9	175	85	30	14	6 mm	Front
SDGS1S25	25,000	2.2	1	6.9	175	85.1	30	14	1/4"	Front
SDGS1S25M6	25,000	2.2	1	6.9	175	85	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip										
SDGS1S12G	12,000	1.8	0.8	6.9	175	92.8	30	14	1/4"	Front
SDGS1S12M6G	12,000	1.8	0.8	6.9	175	92	30	14	6 mm	Front
SDGS1S18G	18,000	1.8	0.8	6.9	175	86.5	30	14	1/4"	Front
SDGS1S18M6G	18,000	1.8	0.8	6.9	175	86	30	14	6 mm	Front
SDGS1S25G	25,000	1.8	0.8	6.9	175	85.4	30	14	1/4"	Front
SDGS1S25M6G	25,000	1.8	0.8	6.9	175	82	30	14	6 mm	Front

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Collet & Wrenches
Accessories: Grinder Accessories, see page 698



SXG05S23



STXG10S23

PERFORMANCE:

Power: 0.5 hp (0.37 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 23,000 rpm
Collet Size: 1/4" (6 mm)

FEATURES:

Heavy duty double tapered collet
Ergonomic comfort grip
Teasing throttle for maximum control
Lever throttle with lock-off
Ball bearing construction
Adjustable speed control

EXTENDED DIE GRINDERS

CE

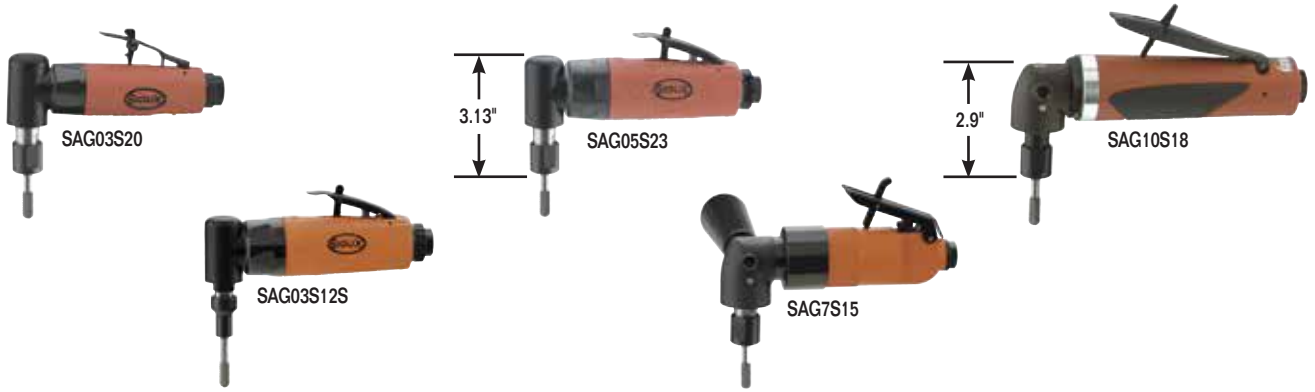
Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
0.5 hp (0.37 kW) – Lever Throttle – Extended – 200 Series Collet										
SXG05S18	18,000	2.1	0.95	11	280	85.8	23	10.9	¼"	Rear
SXG05S18M6	18,000	2.1	0.95	11	280	86.7	23	10.9	6 mm	Rear
SXG05S23	23,000	2.1	0.95	11	280	89.8	23	10.9	¼"	Rear
SXG05S23M6	23,000	2.1	0.95	11	280	85.9	23	10.9	6 mm	Rear
0.5 hp (0.37 kW) – Extended Die Grinder Lever Throttle – 300 Series Collet										
SXG05S18S	18,000	2.1	0.95	11	280	86.7	23	10.9	¼"	Rear
SXG05S18M6S	18,000	2.1	0.95	11	280	86.7	23	10.9	6mm	Rear
SXG05S23S	23,000	2.1	0.95	11	280	85.9	23	10.9	¼"	Rear
SXG05S23M6S	23,000	2.1	0.95	11	280	85.9	23	10.9	6mm	Rear
1 hp (0.75 kW) – Lever Throttle – Extended – 200 Series Collet										
STXG10S12	12,000	2.2	1	12.1	308	84.5	30	14	¼"	Rear
STXG10S12M6	12,000	2.2	1	12.1	308	78	30	14	6 mm	Rear
STXG10S18	18,000	2.2	1	12.1	308	82	30	14	¼"	Rear
STXG10S18M6	18,000	2.2	1	12.1	308	78	30	14	6 mm	Rear
STXG10S23	23,000	2.2	1	12.1	308	78	30	14	¼"	Rear
STXG10S23M6	23,000	2.2	1	12.1	308	81.6	30	14	6 mm	Rear
1 hp (0.75 kW) – Lever Throttle – Extended – Cone Wheel										
STXG10S18CW	18,000	2.2	1	12.2	310	82	30	14	N/A	Rear

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Collet & Wrenches • Collet Guard (1DS series)
Accessories: Grinder Accessories, see page 698

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX



PERFORMANCE:

Power: 0.33 hp (0.25 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 20,000 rpm
Collet Size: 1/4" & 6 mm

FEATURES:

Lockoff Lever
Rear Exhaust
Built-in Speed Control

RIGHT ANGLE DIE GRINDERS

CE

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
0.3 hp (0.22 kW) – Lever Throttle – 200 Series Collet										
SAG03S12	12,000	1.2	0.55	5.625	140	81.5	11	5.2	¼"	Rear
SAG03S12M6	12,000	1.2	0.55	5.625	140	82.3	11	5.2	6 mm	Rear
SAG03S20	20,000	1.2	0.55	5.625	140	86.4	11	5.2	¼"	Rear
SAG03S20M6	20,000	1.2	0.55	5.625	140	85.9	11	5.2	6 mm	Rear
0.3 hp (0.22 kW) – Lever Throttle – 300 Series Collet										
SAG03S12S	12,000	1.15	0.52	5.625	143	82.3	11	5.2	¼"	Rear
SAG03S12M6S	12,000	1.15	0.52	5.625	143	82.3	11	5.2	6mm	Rear
SAG03S20S	20,000	1.15	0.52	5.625	143	85.9	11	5.2	¼"	Rear
SAG03S20M6S	20,000	1.15	0.52	5.625	143	85.9	11	5.2	6mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 200 Series Collet										
SAG05S23	23,000	1.4	0.64	6.375	160	86	23	10.8	¼"	Rear
SAG05S23M6	23,000	1.4	0.64	6.375	160	86	23	10.8	6 mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 300 Series Collet										
SAG05S23S	23,000	1.35	0.61	6.375	162	89.1	23	10.8	¼"	Rear
SAG05S23M6S	23,000	1.35	0.61	6.375	162	86	23	10.8	6mm	Rear
0.70 hp (0.52 kW) – Lever Throttle – 200 Series Collet										
SAG7S12	12,000	2	0.90	6.500	165	84.3	25	12	¼"	Front
SAG7S12M6	12,000	2	0.90	6.500	165	84.3	25	12	6mm	Front
SAG7S15	15,000	2	0.90	6.500	165	85.3	25	12	¼"	Front
SAG7S15M6	15,000	2	0.90	6.500	165	85.3	25	12	6mm	Front
SAG7S18	18,000	2	0.90	6.500	165	85	25	12	¼"	Front
SAG7S18M6	18,000	2	0.90	6.500	165	85	25	12	6mm	Front
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet										
SAG10S12	12,000	2.7	1.2	9	230	87.4	30	14	¼"	Rear
SAG10S12M6	12,000	2.7	1.2	9	230	78	30	14	6 mm	Rear
SAG10S15	15,000	2.7	1.2	9	230	84.2	30	14	¼"	Rear
SAG10S15M6	15,000	2.7	1.2	9	230	78	30	14	6 mm	Rear
SAG10S18	18,000	2.7	1.2	9	230	83.2	30	14	¼"	Rear
SAG10S18M6	18,000	2.7	1.2	9	230	78	30	14	6 mm	Rear

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Collet, Support Handle (1 HP only) & Wrenches
Accessories: Grinder Accessories, see page 698

PERFORMANCE:

Power: 0.7 hp (0.52 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 18,000 rpm
Collet Size: 1/4" & 6 mm

FEATURES:

Heavy duty double tapered collet
Teasing throttle
Lock-off lever
Heavy Duty spiral bevel gearing for durability and smooth operation
Compact angle head allows access into tight spaces
Adjustable speed control
Grease zerk in gear case


SAG10AX12


SAG7AX20

RIGHT ANGLE EXTENDED DIE GRINDERS

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet										
SAG10AX12	12,000	3.20	1.45	11.25	286	81.6	30	14.2	¼"	Rear
SAG10AX12M6	12,000	3.20	1.45	11.25	286	79.5	30	14.2	6mm	Rear
SAG10AX15	15,000	3.20	1.45	11.25	286	81.6	30	14.2	¼"	Rear
SAG10AX15M6	15,000	3.20	1.45	11.25	286	84	30	14.2	6mm	Rear
SAG10AX18	18,000	3.20	1.45	11.25	286	83.7	30	14.2	¼"	Rear
SAG10AX18M6	18,000	3.20	1.45	11.25	286	80.5	30	14.2	6mm	Rear
0.7 hp (0.52 kW) – Lever Throttle										
SAG7AX13	13,000	2.9	1.3	10	254	85	25	12	¼"	Front
SAG7AX13M6	13,000	2.9	1.3	10	254	85	25	12	6 mm	Front
SAG7AX16	16,000	2.9	1.3	10	254	89.8	25	12	¼"	Front
SAG7AX16M6	16,000	2.9	1.3	10	254	89.8	25	12	6 mm	Front
SAG7AX20	20,000	2.9	1.3	10	254	89.8	25	12	¼"	Front
SAG7AX20M6	20,000	2.9	1.3	10	254	89.8	25	12	6 mm	Front

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Collet, Support Handle (1 HP only) & Wrenches
Accessories: Grinder Accessories, see page 698

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.



SAGA1AX12G



SAGA1AX12

PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed: 12,000 rpm – 18,000 rpm
Collet Size: 1/4" & 6 mm

FEATURES:

Lockoff Lever
Robust Steel or Durable Aluminum Housing Available With Comfort Grip
Head Height 2.28"

RIGHT ANGLE EXTENDED METAL BODY DIE GRINDERS

CE

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing										
SAGA1AX12	12,000	3.2	1.5	10.5	267	87.4	30	14.2	¼"	Front
SAGA1AX12M6	12,000	3.2	1.5	10.5	267	87	30	14.2	6mm	Front
SAGA1AX15	15,000	3.2	1.5	10.5	267	87	30	14.2	¼"	Front
SAGA1AX15M6	15,000	3.2	1.5	10.5	267	87	30	14.2	6mm	Front
SAGA1AX18	18,000	3.2	1.5	10.5	267	87	30	14.2	¼"	Front
SAGA1AX18M6	18,000	3.2	1.5	10.5	267	87	30	14.2	6mm	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip										
SAGA1AX12G	12,000	2.9	1.3	10.5	267	87	30	14.2	¼"	Front
SAGA1AX12M6G	12,000	2.9	1.3	10.5	267	87	30	14.2	6mm	Front
SAGA1AX15G	15,000	2.9	1.3	10.5	267	87	30	14.2	¼"	Front
SAGA1AX15M6G	15,000	2.9	1.3	10.5	267	87	30	14.2	6mm	Front
SAGA1AX18G	18,000	2.9	1.3	10.5	267	87	30	14.2	¼"	Front
SAGA1AX18M6G	18,000	2.9	1.3	10.5	267	87	30	14.2	6mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing										
SAGS1AX12	12,000	3.8	1.7	10.5	267	86.9	30	14.2	¼"	Front
SAGS1AX12M6	12,000	3.8	1.7	10.5	267	87	30	14.2	6mm	Front
SAGS1AX15	15,000	3.8	1.7	10.5	267	87	30	14.2	¼"	Front
SAGS1AX15M6	15,000	3.8	1.7	10.5	267	87	30	14.2	6mm	Front
SAGS1AX18	18,000	3.8	1.7	10.5	267	87	30	14.2	¼"	Front
SAGS1AX18M6	18,000	3.8	1.7	10.5	267	87	30	14.2	6mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip										
SAGS1AX12G	12,000	3.4	1.5	10.5	267	87	30	14.2	¼"	Front
SAGS1AX12M6G	12,000	3.4	1.5	10.5	267	87	30	14.2	6mm	Front
SAGS1AX15G	15,000	3.4	1.5	10.5	267	87	30	14.2	¼"	Front
SAGS1AX15M6G	15,000	3.4	1.5	10.5	267	87	30	14.2	6mm	Front
SAGS1AX18G	18,000	3.4	1.5	10.5	267	87	30	14.2	¼"	Front
SAGS1AX18M6G	18,000	3.4	1.5	10.5	267	87	30	14.2	6mm	Front

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Collet, Support Handle & Wrenches
Accessories: Grinder Accessories, see page 698

PERFORMANCE:

Power: 0.7 hp (0.52 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 18,000 rpm
Wheel Capacity: 3" (75 mm) – 5" (127 mm)

FEATURES:

Non-Governed
Lockoff Lever
Adjustable Guard


SWG10AX1245


SWG10AXL124


SWG7AX1345

RIGHT ANGLE TYPE 27 EXTENDED WHEEL GRINDERS

CE

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Free Speed		Spindle Thread	Exhaust
	rpm	In	mm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lockoff Lever Throttle												
SWG10AX124	12,000	4	100	3.6	1.63	11.25	285	91	35	17	3/8" - 24	Rear
SWG10AXL124	12,000	4	100	3.5	1.59	11.25	285	83.7	35	17	3/8" - 24	Rear
SWG10AX1245	12,000	4.5	115	3.7	1.68	11.25	285	86	35	17	5/8" - 11	Rear
SWG10AX125	12,000	5	127	3.8	1.72	11.25	285	83.7	35	17	5/8" - 11	Rear
0.7 hp (0.52 kW) – Lever Throttle												
SWG7AX134	13,300	4	100	3.5	1.6	10	254	87.4	25	12	3/8" - 24	Front
SWG7AX1345	13,300	4.5	115	3.5	1.6	10	254	88	25	12	5/8" - 11	Front
SWG7AX203	20,000	3	75	3.5	1.6	10	254	TBD	25	12	3/8" - 24	Front

General: 1 HP models: Air Inlet Size: 3/8" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
0.7 HP models: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Support Handle • Mounting Flange & Nut
Accessories: Grinder Accessories, see page 698


SWGS1AX124


SWGS1AX124G

PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed: 12,000 rpm
Wheel Capacity: 4" (100 mm) – 4.5" (115 mm)

FEATURES:

Non-Governed
Lockoff Lever
Adjustable Guard
Robust Steel or Durable Aluminum Housing Available With Comfort Grip
Head Height 2.28"

RIGHT ANGLE TYPE 27 EXTENDED WHEEL GRINDERS

CE

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Free Speed		Spindle Thread	Exhaust
	rpm	In	mm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing												
SWGA1AX124	12,000	4	100	3.3	1.5	10.5	267	88	35	17	3/8" - 24	Front
SWGA1AX1245	12,000	4.5	115	3.4	1.5	10.5	267	88	35	17	5/8" - 11	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip												
SWGA1AX124G	12,000	4	100	3.2	1.5	10.5	267	86	35	17	3/8" - 24	Front
SWGA1AX1245G	12,000	4.5	115	3.3	1.5	10.5	267	86	35	17	5/8" - 11	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing												
SWGS1AX124	12,000	4	100	3.9	1.8	10.5	267	86	35	17	3/8" - 24	Front
SWGS1AX1245	12,000	4.5	115	4	1.8	10.5	267	86	35	17	5/8" - 11	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip												
SWGS1AX124G	12,000	4	100	3.7	1.7	10.5	267	87	35	17	3/8" - 24	Front
SWGS1AX1245G	12,000	4.5	115	3.8	1.7	10.5	267	87	35	17	5/8" - 11	Front

General: 1 HP models: Air Inlet Size: 3/8" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Support Handle • Mounting Flange & Nut
Accessories: Grinder Accessories, see page 698

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.


SWG10A1245


1285L


SWG10S183


SWG10S1245

PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed: 6000 rpm – 18,000 rpm
Wheel Capacity: 3" (75 mm) – 7" (175 mm) diameter

FEATURES:

Governed & Non-Governed
Lockoff Lever Throttle
Side Exhaust: 1285L
Rear Exhaust: SWG Series

RIGHT ANGLE TYPE 27 WHEEL GRINDERS

CE

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s	cfm	l/s	
0.7 hp (0.52 kW)													
SWG7S183	18,000	3	7.5	2.1	0.95	6.4	163	TBD	N/A	N/A	25	12	3/8"-24
1 hp (0.75 kW) – Lockoff Lever Throttle													
SWG10S124	12,000	4	100	3	1.6	8.3	210	77	N/A	N/A	35	17	3/8"-24
SWG10S1245	12,000	4.5	115	3	1.6	8.3	210	77	N/A	N/A	35	17	5/8"-11
SWG10S125	12,000	5	127	3.1	1.6	8.3	210	TBD	N/A	N/A	35	17	5/8"-11
SWG10S183	18,000	3	75	2.5	1.1	7.5	190	77	N/A	N/A	35	17	3/8"-24
1 hp (0.75 kW) – Lockoff Lever Throttle													
SWG10A124	12,000	4	100	2.5	1.1	7.75	195	86.4	N/A	N/A	35	17	3/8" - 24
SWG10A1245	12,000	4.5	115	2.6	1.17	7.75	195	84.9	N/A	N/A	35	17	5/8"-11
SWG10A125	12,000	5	127	2.7	1.22	7.75	195	83.7	N/A	N/A	35	17	5/8" - 11
1 hp (0.75 kW) – Governed Speed – Lockoff Lever Throttle													
1285L[1]	6000	7	175	5.9	2.7	12.4	315	85	35	17	18	8	5/8"-11

[1]Not CE Certified

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Support Handle • Mounting Flange & Nut
Accessories: Grinder Accessories, see page 698

PERFORMANCE:

Power: 1 hp (0.75 kW) – 3 hp (2.2 kW)
Speed: 4500 rpm – 6000 rpm
Wheel Capacity: 7" (175 mm) – 9" (230 mm) diameter

FEATURES:

Governed & Non-Governed
Lockoff Lever & Thumb Throttle
Side Exhaust



VG20AL-60D7



1291

VERTICAL TYPE 27 WHEEL GRINDERS

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s	cfm	l/s	
1 hp (0.75 kW) – Non-Governer Speed – Thumb Throttle													
1291L	6000	7	175	5	2.3	7.2	183	80	30	14	38	18	5/8"-11
1 hp (0.75 kW) – Non-Governer Speed – Thumb Throttle													
1291	6000	7	175	5	2.3	7.2	183	80	30	14	38	18	5/8"-11
2 hp (1.5 kW) – Class Vertical Grinders – Governed Speed – Lever Throttle													
VG20AL-45D9	4500	9	230	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
VG20AL-60D7	6000	7	175	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
VG20AL-60D9	6000	9	230	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
3 hp (2.2 kW) – Class Vertical Grinders – Governed Speed – Lever Throttle													
VG30AL-45D7	4500	7	175	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
VG30AL-45D9	4500	9	230	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
VG30AL-60D7	6000	7	175	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
VG30AL-60D9	6000	9	230	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11

General: Air Inlet Size: 1/4" NPT (1290 series); 1/2" NPT (V series) • Recommended Hose Size: 3/8" (10 mm) (1290 series); 1/2" (13 mm) (V series)
Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Mounting Flange & Nut
Accessories: Grinder Accessories, see page 698

PERFORMANCE:

Power: 2 hp (1.5 kW) – 3 hp (2.2 kW)
Speed: 6000 rpm
Wheel Capacity: 6" (150 mm)

FEATURES:

Governed Speed
Lockoff Lever
Side Exhaust



VG30AL-60C6

VERTICAL TYPE 6 & 11 WHEEL GRINDERS

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s	cfm	l/s	
2 hp (1.5 kW) – Class Vertical Grinders – Governed Speed – Lever Throttle													
VG20AL-60C6	6000	6	150	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
3 hp (2.2 kW) – Class Vertical Grinders – Governed Speed – Lever Throttle													
VG30AL-60C6	6000	6	150	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11

General: Air Inlet Size: 1/2" NPT • Recommended Hose Size: 1/2" (13 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Mounting Flange & Nut
Accessories: Grinder Accessories, see page 698

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX


HG30AL-60S6


HG20AL-80P3

PERFORMANCE:

Power: 2 hp (1.5 kW) – 3 hp (2.2 kW)
Speed: 4500 rpm – 8000 rpm
Wheel Capacity: 3" (75 mm) – 8" (200 mm)

FEATURES:

Governed Speed
Lever Throttle
Side Exhaust

CE

HORIZONTAL WHEEL GRINDERS

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s	cfm	l/s	
2 hp (1.5 kW) – Class Horizontal Grinders – Governed Speed – Lever Throttle													
HG20AL-45S8	4500	8	200	10.5	4.8	20.8	530	85	75	35	26	12	5/8"-11
HG20AL-60S6	6000	6	150	10.5	4.8	20.8	530	85	75	35	26	12	5/8"-11
HG20AL-80P3	8000	3	75	10.5	4.8	20.8	530	85	75	35	26	12	5/8"-11
3 hp (2.2 kW) – Class Horizontal Grinders – Governed Speed – Lever Throttle													
HG30AL-45S8	4500	8	200	12.5	5.6	21.8	550	84	90	42	39	18	5/8"-11
HG30AL-60S6	6000	6	150	12.5	5.6	21.8	550	84	90	42	39	18	5/8"-11
HG30AL-80P3	8000	3	75	12.5	5.6	21.8	550	84	90	42	39	18	5/8"-11

General: Air Inlet Size: 1/2" NPT • Recommended Hose Size: 1/2" (13 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Mounting Flange & Nut
Accessories: Grinder Accessories, see page 698


SMR05S354

PERFORMANCE:

Power: 0.5 hp (0.37 kW)
Speed: 35000 rpm

FEATURES:

Removable Support Handle
Lockoff Lever
Planetary Gear for Increased Torque

CE

MATERIAL REMOVAL TOOL

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s	
SMR05S354	3500	2.4	1.08	12	304.8	85	28	132	Rear

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Fine Belt (68813) • Coarse Belt (68814) • Eraser (68815) • Support Handle
Accessories: Material Removal Tool Accessories, see page 698

BELTS AND ERASERS


Hub Set 68918


Eraser 68815


Course Wire Belt 68814


Fine Wire Belt 68813


Medium Stainless Steel Wire Belt 68917


Fine Stainless Steel Wire Belt 68915

Part Number	Description
68918	11mm Hub Set
68815	Rubber Eraser
68814	Course Wire Belt, 23 mm Wide
68910	Course Wire Belt, 11 mm Wide
68911	Medium Wire Belt, 23 mm Wide
68912	Medium Wire Belt, 11 mm Wide
68813	Fine Wire Belt, 23 mm Wide
68913	Fine Wire Belt, 11 mm Wide
68916	Medium Stainless Steel Wire Belt, 23 mm Wide
68917	Medium Stainless Steel Wire Belt, 11 mm Wide
68914	Fine Stainless Steel Wire Belt, 23 mm Wide
68915	Fine Stainless Steel Wire Belt, 11 mm Wide

COLLETS


21126


44440

Style	Capacity	Part Number	For Use On
Sioux	1/8"	44522	2S1940
	3/16"	44523	
	1/4"	44440	
	3 mm	66037	
	6 mm	66038	
100 Series	1/4"	21126B	1985
	3/8"	21125	
	1/2"	21124	

WHEEL GUARDS


2336

Part Number	Wheel Type	Wheel Diameter		For Use On
		in	mm	
2321	27	7	180	1285, 1285L
2336	27	7	180	1291, 1921L

MOUNTING ACCESSORIES

7" and 9" Type 27 Depressed Center Wheel
For use on 5/8" - 11 threaded spindles


510

Part Number	Description
510	Flange Adapter Kit 1 1/4" x 21/32" x 3/32" Washers
512	Flange Nut 3/8" Hex Wrench

SIGNATURE SERIES COLLETS

200 SERIES
Heavy Duty Double Tapered Collett

Collet Nut Collet Collet Body



Part Number	Description
74071	Collet Nut
74072	Collet (1/8")
74073	Collet (3/16")
74074	Collet (1/4")
68030	Collet (3/8")
74075	Collet (3 mm)
74076	Collet (6 mm)
68056	Collet (8 mm)
77057	Collet Body SDG Series
74070	Collet Body (1 HP)

300 SERIES
Heavy Duty Double Tapered Collet

Collet Nut Collet Collet Body



Part Number	Description
74128	Collet Nut
74124	Collet (3/32")
74121	Collet (1/8")
74120	Collet (1/4")
74122	Collet (3 mm)
74123	Collet (6 mm)
77505	Collet Body SAS Series
74125	Collet Body SDG Series

⚠WARNING
Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FINISHING

The Best Way To A Great Finish

Today's manufacturing techniques are constantly changing and improving. This has increased the demands for sanders, polishers and buffers, making them a key segment of the process. Improvements in the industry now result in less waste on castings and molded parts, which shifts the emphasis from material removal to surface finishing. Sioux Tools offers a complete line of state-of-the-art orbital sanders, polishers and buffers that will produce the quality finish you require on your final product.

Sioux sanders are engineered to cover the full range of applications in metal, composite, and wood finishing. Our innovative, lightweight designs ensure they perform to the highest standards while still being comfortable to operate. Each delivers unsurpassed power and performance, resulting in the perfect finish.

FIT TO YOUR APPLICATION

Different applications require different finishing tools. That's why Sioux Tools offers a variety of sanders and polishers with a wide range of configurations.

The RO2512 Series Random Orbital Sanders come with an orbit diameter of either 3/8" (10 mm), 3/16" (5 mm) or 3/32" (3 mm) and a choice of non-vacuum, self-contained Venturi vacuum or remote vacuum ready.

VARIETY TO CHOOSE FROM

We also offer pistol grip, right angle, vertical, and straight sanders and polishers. Many of these come with your choice of throttle controls that allow the operator to work the way that's most comfortable.

FINISHING SAFETY

Flying particles can cause eye injury. Proper eye protection must be worn at all times by tools user and bystanders.

A grinding wheel that bursts can cause injury or death. Never mount a grinding wheel or a cutoff wheel on a sander or polisher.

Breathing grinding dust can cause injury. Do not breathe grinding dust. Use approved mask.

Sanders and polishers that do not come to a complete stop before setting aside can cause injury. Be sure the tool has come to a complete stop before setting it aside.

Explosions and fires can cause injury. Only sand metal if the area is free of combustible or explosive materials or vapors.

Contact with sanding disks can cause injury. Wear protective clothing and gloves to protect hands. Keep hands and other body parts away from sanding pads and disks to prevent cutting or pinching.

Sanding or polishing pads, disks or accessories that burst can cause injury. Make sure disks or accessories have a higher speed rating than the tool. Do not exceed rated air pressure.

Prolonged exposure to vibration or an excessive exposed portion of the edge of a disk can cause injury. When using self adhesive sanding disks, make sure to mount them concentrically on the pad.

Tools starting unexpectedly can cause injury. Always remove tool from air supply and activate trigger to bleed air line before making any adjustments, changing accessories, or doing any maintenance or service on tool.

Tools that perform unpredictably can cause injury. Use only sanding and polishing pads, disks and accessories provided or specified by Sioux Tools.






RO2512-50SNP


RO2512-50SRP


RO2512-50FVP

PERFORMANCE:

Power: 0.25 hp (0.19 kW)
Speed: 12,000 rpm

FEATURES:

3/32" (3 mm), 3/16" (5 mm) & 3/8" (10 mm) Orbit Diameters
Built-in Speed Control
Ergonomic 24-Position Indexable Grip
Non-Vacuum, Venturi Vacuum & Remote Vacuum

RO2512 SERIES RANDOM ORBITAL SANDERS

CE

Model Number		Free Speed	Pad Size		Orbit Diameter		Weight		Height		Air Consumption		Sound Level
PSA Pad	H & L Pad	rpm	in	mm	in	mm	lb	kg	in	mm	cfm	l/s	dB(A)
0.25 hp (0.19 kW) – 5/16"-24 Spindle Thread – Non-Vacuum													
RO2512-30FNP	RO2512-30FNH	12,000	3	75	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-30SNP	RO2512-30SNH	12,000	3	75	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-35FNP	RO2512-35FNH	12,000	3.5	90	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-35SNP	RO2512-35SNH	12,000	3.5	90	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50FNP	RO2512-50FNH	12,000	5	125	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-50SNP	RO2512-50SNH	12,000	5	125	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50CNP	RO2512-50CNH	12,000	5	125	3/8	10	1.5	0.7	3.3	83	13	6	81
RO2512-60FNP	RO2512-60FNH	12,000	6	150	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-60SNP	RO2512-60SNH	12,000	6	150	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-60CNP	RO2512-60CNH	12,000	6	150	3/8	10	1.5	0.7	3.3	83	13	6	81
0.25 hp (0.19 kW) – 5/16"-24 Spindle Thread – Remote Vacuum Ready													
RO2512-30FRP	RO2512-30FRH	12,000	3	75	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-30SRP	RO2512-30SRH	12,000	3	75	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-35FRP	RO2512-35FRH	12,000	3.5	90	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-35SRP	RO2512-35SRH	12,000	3.5	90	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50FRP	RO2512-50FRH	12,000	5	125	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-50SRP	RO2512-50SRH	12,000	5	125	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50CRP	RO2512-50CRH	12,000	5	125	3/8	10	1.5	0.7	3.3	83	13	6	81
RO2512-60FRP	RO2512-60FRH	12,000	6	150	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-60SRP	RO2512-60SRH	12,000	6	150	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-60CRP	RO2512-60CRH	12,000	6	150	3/8	10	1.5	0.7	3.3	83	13	6	81
0.25 hp (0.19 kW) – 5/16"-24 Spindle Thread – Self-contained Venturi Vacuum													
RO2512-30FVP	RO2512-30FVH	12,000	3	75	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-30SVP	RO2512-30SVH	12,000	3	75	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-35FVP	RO2512-35FVH	12,000	3.5	90	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-35SVP	RO2512-35SVH	12,000	3.5	90	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50FVP	RO2512-50FVH	12,000	5	125	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-50SVP	RO2512-50SVH	12,000	5	125	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50CVP	RO2512-50CVH	12,000	5	125	3/8	10	1.5	0.7	3.3	83	13	6	81
RO2512-60FVP	RO2512-60FVH	12,000	6	150	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-60SVP	RO2512-60SVH	12,000	6	150	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-60CVP	RO2512-60CVH	12,000	6	150	3/8	10	1.5	0.7	3.3	83	13	6	81

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip • Backing Pad & Wrench
Accessories: Sander Accessories, see pages 706-708

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.


RO2510-44FNC

PERFORMANCE:

Power: 0.25 hp (0.19 kW)
Speed: 10,000 rpm

FEATURES:

Built-in Speed Control
Ergonomic 24-Position Indexable Grip

CE

ORBITAL JITTERBUG SANDERS

Model Number	Paper Size		Orbit Diameter		Weight		Height		Air Consumption Free Speed		Sound Level
	in	mm	in	mm	lb	kg	in	mm	cfm	l/s	dB(A)
0.25 hp (0.19 kW)											
RO2510-44FNC	3 ¾ x 4 ¼	95 x 105	3/32	3	1.8	0.8	3.5	90	13	6	81

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Sander Accessories, see pages 706-708


GO459-60SNP


GO459-80SRP

PERFORMANCE:

Power: 0.45 hp (0.34 kW)
Speed: 900 rpm

FEATURES:

3/16" (5 mm) Orbit Diameter
Built-in Speed Control
Lever Throttle
Vacuum & Remote Vacuum
Ergonomic 24-Position Indexable Grip

CE

GEARED ORBITAL SANDERS

Model Number		Free Speed	Pad Size		Weight		Height		Air Consumption		Sound Level
PSA Pad	H & L Pad	rpm	in	mm	lb	kg	in	mm	cfm	l/s	dB(A)
0.45 hp (0.34 kW) Non-Vacuum											
GO459-60SNP	GO459-60SNH	900	6	150	4.4	2	5	127	15	7	82
GO459-80SNP	GO459-80SNH	900	8	200	4.4	2	5	127	15	7	82
0.45 hp (0.34 kW) Remote Vacuum											
GO459-60SRP	GO459-60SRH	900	6	150	4.4	2	5	127	15	7	82
GO459-80SRP	GO459-80SRH	900	8	200	4.4	2	5	127	15	7	82

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Sander Accessories, see pages 706-708

PERFORMANCE:

Power: 0.40 hp (0.30 kW)
Speed: 10,000 rpm

FEATURES:

3/16" (5 mm) Orbit Diameter
Built-in Speed Control
Aluminum Housing
Palm & Lever Throttle


658

600 SERIES RANDOM ORBITAL SANDERS

Model Number		Free Speed	Pad Size		Orbit Diameter		Weight		Height		Air Consumption		Sound Level
PSA Pad	H & L Pad	rpm	in	mm	in	mm	lb	kg	in	mm	cfm	l/s	dB(A)
0.40 hp (0.30 kW) – Palm Throttle													
PS690[1]		10,000	5	125	3/16	5	2.9	1.3	4.2	107	20	9	85
697[1]		10,000	6	150	3/16	5	2.9	1.3	4.2	107	20	9	85
0.40 hp (0.30 kW) – Dual Action – Lever Throttle													
658[1]		10,000	5	125	3/16	5	3.2	1.5	4.2	107	20	9	85

For remote vacuum ready add suffix V
[1]Not CE Certified **General:** Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Backing Pad & Wrench
Accessories: Sander Accessories, see pages 706-708


SPS10P18


SDG10P18

PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed: 6000 rpm – 21,000 rpm

FEATURES:

Trigger Start
Down-Handle Exhaust
Comfort Grip

CE

PISTOL GRIP SANDERS

Model Number	Free Speed	Weight		Height		Air Consumption Free Speed		Sound Level
	rpm	lb	kg	in	mm	cfm	l/s	dB(A)
1 hp (0.75 kW) – 5" (125 mm) Diameter Backing Pad								
SPS10P6	6000	1.7	0.8	4.5	115	35	17	80
SPS10P18	18,000	1.7	0.8	4.5	115	35	17	80
1 hp (0.75 kW) – ¼" Collet								
SDG10P18	18,000	1.7	0.8	5.8	145	35	17	86.2
SDG10P21	21,000	1.7	0.8	5.8	145	35	17	86.3

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip
Accessories: Sander Accessories, see pages 706-708

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.


SAS03S122-20


SAS05S232-20


SAS10A182-20


77016 Threaded Arbor


300 Series Collet

PERFORMANCE:

Power: 0.33 hp (0.25 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 23,000 rpm

FEATURES:

Lockoff Lever Throttle
Front, Rear, and Vacuum Exhaust
Comfort Grip

RIGHT ANGLE DISC SANDERS

CE

Model Number	Free Speed	Weight		Length		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	lb	kg	in	mm	cfm	l/s	dB(A)	
0.3 hp (0.22 kW) – Lever Throttle									
SAS03S122-20	12,000	1.1	0.5	5.625	143	11	5.2	82.2	¼"-20
SAS03S202-20	20,000	1.1	0.5	5.625	143	11	5.2	82.9	¼"-20
0.5 hp (0.37 kW) – Lever Throttle									
SAS05S232-20	23,000	1.3	0.59	5.625	143	23	10.3	88.6	¼"-20
1 hp (0.75 kW) – Lever Throttle									
SAS10A122-20	12,000	2.15	0.98	7.5	190	30	14	84.6	¼"-20
SAS10A152-20	15,000	2.15	0.98	7.5	190	30	14	TBD	¼"-20
SAS10A182-20	18,000	2.15	0.98	7.5	190	30	14	83.4	¼"-20
SAS10A324	3200	TBD	TBD	TBD	TBD	35	17	TBD	⅜"-24

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Support Handle (1 hp Models) • Spindle Wrenches, 300 Series Collet, 1/4"-20 Threaded Arbor
Accessories: Sander Accessories, see pages 706-708


SAS10S125


SAS10A125


SAS10AX125


1287L

PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed: 6000 rpm – 12,000 rpm

FEATURES:

Governed & Non-Governed
Lockoff Lever Throttle
Rear Exhaust on SAS Series

RIGHT ANGLE SANDERS

Model Number	Free Speed	Pad Diameter		Weight		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	dB(A)	
1 hp (0.75 kW) – Lockoff Lever Throttle – Rear Exhaust													
SAS10S125	12,000	5	125	3.5	1.6	8.3	210	N/A	N/A	35	17	77	5/8"-11
SAS10A125	12,000	5	125	2.2	1	7.75	134	N/A	N/A	35	17	84.1	5/8"-11
SAS10AX125	12,000	5	125	3.2	1.45	11.25	285	N/A	N/A	35	17	83.2	5/8"-11
1 hp (0.75 kW) – Governed Speed Control – Lockoff Lever Throttle													
1287L[1]	6000	7	175	5.9	2.7	11.3	287	35	17	18	8	85	5/8"-11

[1]Not CE certified.
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Support Handle • Spindle Wrenches • Backing Pad & Nut
Accessories: Sander Accessories, see pages 706-708


1290


1290L


VS20AL-727

PERFORMANCE:

Power: 1 hp (0.75 kW) – 2 hp (1.5 kW)
Speed: 6000 rpm – 7200 rpm

FEATURES:

Governed & Non-Governed
Lever & Thumb Throttle
Side Exhaust
Overspeed Shutoff Protection (V Series)

VERTICAL SANDERS

Model Number	Free Speed	Pad Diameter		Weight		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	dB(A)	
1 hp (0.75 kW) – Thumb Throttle													
1290	5000	7	175	4.1	1.9	7.2	183	30	14	38	18	80	5/8"-11
1 hp (0.75 kW) – Lever Throttle													
1290L	6000	7	175	4.1	1.9	7.2	183	30	14	38	18	80	5/8"-11
2 hp (1.5 kW) Class Vertical Sanders – Governed Speed Control – Lockoff Lever Throttle													
VS20AL-609	6000	9	230	7.4	3.3	5.5	145	75	35	26	12	85	5/8"-11
VS20AL-727	7200	7	175	7.4	3.3	5.5	145	75	35	26	12	85	5/8"-11

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Spindle Wrenches • Backing Pad & Nut
Accessories: Sander Accessories, see pages 706-708

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX



PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed: 3000 rpm

FEATURES:

Governed Speed Control
Lockoff Lever Throttle
Spindle Lock
Remote Exhaust

RIGHT ANGLE POLISHERS

CE

Model Number	Free Speed	Pad Diameter		Weight[1]		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	dB(A)	
1 hp (0.75 kW) – Lockoff Lever Throttle													
1238L	3000	8	200	7.9	3.6	11.3	287	33	16	16	8	75	5/8"-11

[1] Weight includes pad & holder.
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Remote Exhaust • Support Handle • Backing Pad & Nut • Wool Polishing Pad
Accessories: Polisher Accessories, see pages 706-708



PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed: 2000 rpm – 3000 rpm

FEATURES:

Lever & Thumb Throttle
Side Exhaust
Comfort Grips

VERTICAL POLISHERS

CE

Model Number	Free Speed	Pad Diameter		Weight[1]		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	dB(A)	
1 hp (0.75 kW) – Thumb Throttle													
1296	2000	8	200	4.1	1.9	7.1	180	30	14	38	18	80	5/8"-11
1292	3000	8	200	4.1	1.9	7.1	180	30	14	38	18	80	5/8"-11
1 hp (0.75 kW) – Lever Throttle													
1292L	3000	8	200	4.1	1.9	7.1	180	30	14	38	18	80	5/8"-11

[1] Weight includes pad & holder.
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Spindle Wrenches • Backing Pad & Nut • Polishing Pad
Accessories: Polisher Accessories, see pages 706-708

COMFORT GRIPS


66667

Part Number	Description	For Use On
66667	Cushion Grip	690 series

SUPPORT HANDLE

Part No 2362
For use on 2L series straight sanders



SPEED-LOK BACKING PADS

For use on 1DA series sanders


587M


588M

Part Number	Diameter		Hex Size
	in	mm	
587M	2	50	¼"
588M	3	75	¼"

FIBRE BACKING DISCS

Part No 586
For use on SPS10P series sanders
Packaged in cartons of 6
Qty 3 – 3" (75 mm)
Qty 3 – 4-1/2" (110 mm)



BACKING PADS

For use on SPS10P series sanders



Part Number	Thread	Diameter	
		in	mm
2344*	(⅜-24)	5	125
2364*	(⅝-11)	5	125

* Includes disc nut 563

7" (175 MM) OR 9" (230 MM) SANDING KITS

For use on 1287, 1287L, 1290, 1290L & VS20 Series


545H

Part Number	Description
545 Standard Kit	
544	Disc holder
548	Backing disc
542	Retainer
524	Retaining nut
545H Heavy-Duty Kit	
544	Disc holder
548H	Heavy-duty backing disc
542	Retainer
524	Retaining nut

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

ORBITAL SANDER BACKING PADS

Sioux random orbital backing pads are medium density, urethane pads rated for speeds up to 13,000 rpm. The 5" pads are a 3/8" thick with low profile design, while the 6" pads are 5/8" thick with tapered profile for fine feathering in corners or around edges.

5/16" - 24 Spindle Thread


591


592


593


593V


593SV


594


594V

Part Number	Diameter		Backing	Profile	Style
	in	mm			
591	3	75	PSA[1]	Low	Vac/Non-Vac
591J	3	75	H & L[2]	Low	Vac/Non-Vac
592	3.5	90	PSA[1]	Tapered	Vac/Non-Vac
592J	3.5	90	H & L[2]	Tapered	Vac/Non-Vac
593	5	125	PSA[1]	Low	Non-Vac
593V	5	125	PSA[1]	Low	Vacuum
593J	5	125	H & L[2]	Low	Non-Vac
593JV	5	125	H & L[1]	Low	Vacuum
593SV	5	125	PSA[1]	Low	Screen Vac
594	6	150	PSA[1]	Tapered	Non-Vac
594V	6	150	PSA[1]	Tapered	Vacuum
594J	6	150	H & L[2]	Tapered	Non-Vac
594JV	6	150	H & L[2]	Tapered	Vacuum
594SV	6	125	PSA[1]	Low	Screen Vac

[1] PSA – Vinyl face for pressure sensitive adhesive sanding discs
[2] H & L – Hook and loop face

POLISHING ACCESSORIES


1211B


1220


847

Part Number	Grit	Grit
846C*	Backing pad (Includes 524)	
1211B*	Wool polishing pad	
524*	Retaining nut	
847	Hook & loop backing pad	1238, 1238L
1220	Hook & loop polishing pad	1292, 1292L
843	Tie-on wool bonnet (pkg 10)	

* Standard equipment on polishers

VACUUM CONVERSION KITS


665

Part Number	For Use On
665	658, 690, 758, 790

DUSTLESS WET/DRY VACUUMS

DUSTLESS WET/DRY VACUUM
Sioux Model DVS-5



- Outperforms Traditional Shop Vacs
- Two Layers Of Filtration For A Dust-Free Environment
- Powerful 23,000 RPM, 11.5 Amp Electric Motor
- 16 Gallon Capacity
- Does Not Cough Dust When Vacuum Is Turned On
- Convenient Tool Storage Onboard Vacuum
- Filtration Down To .5 Microns
- Quiet Operation Only 81 dB(A)



DUSTLESS HEPA VACUUM
Sioux Model DVH-3

- HEPA Certified
- Filtration Down To .3 Microns
- 16 Gallon Capacity
- Designed For Extra Fine Dust
- Quiet Operation Only 81 dB(A)
- Great For Hexavalent Chromium Applications

DUSTLESS VACUUM SHROUDS

RANDOM ORBITAL SANDER VACUUM SHROUD
Sioux Models RO25VS-5 and RO25VS-6

- Fit RO25 Series Random Orbital Sanders
- Available For 5" Or 6" Sanders
- Captures 99% Of Airborne Dust
- Protects Workers From Harmful Airborne Dust
- Flexible And Transparent For Better Visibility
- Includes 6 Ft. Vacuum Hose

Part Number	Description
RO25VS-5	5" Vacuum Shroud
RO25VS-6	6" Vacuum Shroud



DRILL AND RIVET SHAVER VACUUM SHROUD
Sioux Model DRVS150



- Can Be Used With Any Drill Or Rivet Shaver
- Suction Holds The Shroud In Place
- Great For Tight Spaces
- Can Be Used For Drilling Holes Up To 1 3/8" Diameter
- Captures 99% Of Airborne Dust
- Protects Workers From Harmful Airborne Dust
- Transparent For Better Visibility
- Includes 6 Ft. Vacuum Hose

HOSE CUFF ADAPTER SET



- Adapts 1-1/2" hose to 1-1/4" hose
- Connector for 1-1/2" vacuum hose

MV-49

PNEUMATIC TOOL REMOTE START ADAPTER



- Lets You Start And Stop Your Pneumatic Tool And Vacuum In Synchronization
- Works With Any Pneumatic Tool
- Wireless Radio Operated
- Quick And Easy To Set Up

DVRS-PA

ELECTRIC TOOL REMOTE START ADAPTER



- Works With Any Electric Power Tool
- Works With Any Vacuum
- Recognizes Up To 16 Tool/Tool Pods
- Wireless Radio Operated
- Quick And Easy To Set Up
- Reduces Trip Hazard (Fewer Cords)

DVRS-EA

VACUUM REMOTE START ADAPTER

- Allows the use of multiple tools off the same vacuum
- Can be used with any pneumatic tool or electric power tool



DVRS-VA

HEPA FILTER



- Certified To Meet OSHA, EPA, & NIOSH Guidelines
- Captures Dust Down To .3 Microns
- Large Circumference For Increased Life
- Large Loose Plates For Increased Air Flow

MV-21

MICRO PRE-FILTER BAG



- Disposable
- Eliminates The Need To Clean Filters
- Retains Strength When Wet
- Holds More Than 40 lbs of Dust And Debris
- Captures Extra Fine Dust Down To .5 Microns
- Extends The Life Of HEPA Filters
- Large Surface Area For Maximum Airflow

MV-52

FABRIC FILTER SET



- 2 Stage Inner And Outer Filter
- Machine Washable
- Stays Dry At All Times
- Clean Outer Filter Without Opening the Canister
- No Need To Change Filters When Changing From Wet To Dry Vacuuming
- Large Surface Area For Maximum Flow

MV-51

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

PERCUSSIVE

Hammering Home A Point

Percussive tools, such as hammers, chippers and scalers are commonly used in very abusive environments found in industries such as foundry and construction. Sioux Tools offers a variety of sizes, capacities and accessories built durable to ensure long life under tough operating conditions. We build them to work hard on the job, but not on you!



INDUSTRIAL TOOLS

Sioux offers powerful hammers that deliver up to 2,500 blows per minute (bpm), with steel rivet capacities of 5/32" (4 mm) to 1/4" (6.4 mm) and stroke lengths from 2" (50 mm) to 4" (100 mm).

PERCUSSIVE SAFETY

Never operate a hammer without proper retainer in place. Always disconnect air line before changing chisels. Face and eye protection must be worn while operating tools. All chisels, rivet sets and other accessories should be checked for cracks, excessive wear, or other physical damage before each use. Accessories that show damage should be replaced immediately.







SC41011AL-C



SC41011AU-N5

PERFORMANCE:

Stroke: 1.1" (28 mm)
Bore: 1" (25 mm)
Blows per Minute: 4600

FEATURES:

Lever and Push/Pull Start
Quick Release Retainer
Adjustable Needle Length

SC4 series scalers accept notched, square shank chisels and accessories. Each can be quickly converted between chisel and needle styles.



Square Shank

SQUARE SHANK SCALERS

Model Number	Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side To Center		Air Consumption	
	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s
Chisel Scaler – Lever Throttle													
SC41011AL-C	1.1	28	1	25	4600	4.6	2.1	10.5	263	0.9	23	12	6
Chisel Scaler – Push/Pull Throttle													
SC41011AU-C	1.1	28	1	25	4600	4.6	2.1	12	300	0.9	23	12	6
Needle Scaler – Lever Throttle													
SC41011AL-N5	1.1	28	1	25	4600	6.3	2.9	15.3	383	1	25	12	6
Needle Scaler – Push/Pull Throttle													
SC41011AU-N5	1.1	28	1	25	4600	6.3	2.9	16.8	420	1	25	12	6

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 7" flat chisel (chisel scalers) • 5" scaler needles (needle scalers)
Accessories: Scaler Accessories, see pages 712-714



SC80910AL-C



SC80910AL-N5

PERFORMANCE:

Stroke: 1" (25 mm)
Bore: 15/16" (23 mm)
Blows per Minute: 4300

FEATURES:

Lever Throttle
Quick Release Retainer
Adjustable Needle Length

SC8 series scalers accept notched, octagon shank chisels and accessories. Each can be quickly converted between chisel and needle styles.



Octagon Shank

OCTAGON SHANK SCALERS

Model Number	Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side To Center		Air Consumption	
	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s
Chisel Scaler – Octagon Shank – Lever Throttle													
SC80910AL-C	1	25	15/16	23	4300	4	1.7	15	375	0.8	20	12	6
Needle Scaler – Octagon Shank – Lever Throttle													
SC80910AL-N5	1	25	15/16	23	4300	6.2	2.7	17	425	0.9	23	12	6

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 7" flat chisel (chisel scalers) • 5" scaler needles (needle scalers)
Accessories: Scaler Accessories, see pages 712-714

SC4 SCALER KIT

Part No. SC41011AL-K

- SC4 Lever Needle Scaler
- Additional Set of Needles
- 3/4" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case



SC8 SCALER KIT

Part No. SC80910AL-K

- SC8 Needle Scaler
- Additional Set of Needles
- 3/4" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case



⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

PERFORMANCE:

Stroke: 13/16" (21 mm)
Bore: 1" (25 mm)
Blows per Minute: 4000 – 5200

FEATURES:

Removable Side Handle (SC3 series)
Lever Operated Handle
Rugged Steel Body


SC3PA

CE

PISTON SCALERS

Model Number	Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side to Center		Air Consumption Free Speed		Piston Type
	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s	
Triple Piston Scaler														
SC3PA	13/16	21	1	25	5200	8.3	3.8	11	280	7/8	22	15	7	Steel
SC3PA-C	13/16	21	1	25	5200	8.3	3.8	11	280	7/8	22	15	7	Carbide Tipped

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Scaler Accessories, see pages 712-714

REPLACEMENT PISTONS

Part Number	Description
2387	Standard Steel Piston
2388	Standard Steel Piston (2" Longer Than Standard)
2390	Carbide Tipped Piston (Star Point)
2391	Solid Carbide Piston (Chisel Point)


270A-4

270A

PERFORMANCE:

Rivet Capacity: 5/32" (4.0 mm) – 1/4" (6.4 mm)
Stroke: 2" (50 mm) – 4" (100 mm)
Bore: 0.6" (15 mm)

FEATURES:

Pistol Grip
Teasing Throttle Trigger Start
Accepts .401 Parker Taper Rivet Sets and Chisels

HAMMERS

Model Number	Steel Rivet Capacity		Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side To Center		Air Consumption	
	in	mm	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s
270A-2	5/32	4	2	50	0.6	15	2500	3	1.4	5.8	147	1.1	28	8	4
270A	3/16	4.8	3	75	0.6	15	2000	3.2	1.5	6.8	173	1.1	28	8	4
270A-4	1/4	6.4	4	100	0.6	15	1700	3.5	1.6	7.8	198	1.1	28	8	4

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Beehive Retainer
Accessories: Hammer Accessories, see pages 712-714

PERFORMANCE:

Stroke: 2" (50 mm) – 4" (100 mm)
Bore: 1-1/8" (29 mm)

FEATURES:

Round Front End Bushing or Hex Front End Bushing


CH43A-R

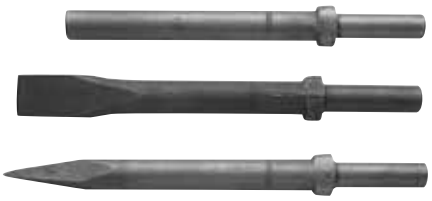
CE

FOUR BOLT CHIPPING HAMMERS

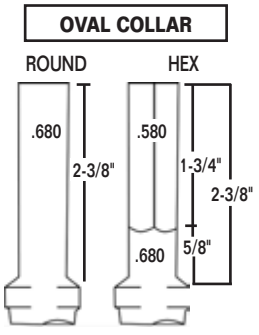
Model Number	Bore		Stroke		Blows per Minute	Weight		Length		Side To Center		Air Consumption	
	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s
Four Bolt Chipping Hammer – Round Front End Bushing													
CH42A-R	1 1/8	29	2	50	2100	18	8	16	405	1 5/8	41	33	15.6
CH43A-R	1 1/8	29	3	75	1650	19	8.6	17	430	1 5/8	41	34	16
CH44A-R	1 1/8	29	4	100	1375	20	9	18	455	1 5/8	41	35	16.5
Four Bolt Chipping Hammer – Hex Front End Bushing													
CH42A-H	1 1/8	29	2	50	2100	18	8	16	405	1 5/8	41	33	15.6
CH43A-H	1 1/8	29	3	75	1650	19	8.6	17	430	1 5/8	41	34	16
CH44A-H	1 1/8	29	4	100	1375	20	9	18	455	1 5/8	41	35	16.5

General: Air Inlet Size: 7/8"-24 NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Four Bolt Chipper Accessories, see pages 712-714

FOUR BOLT CHIPPER ACCESSORIES



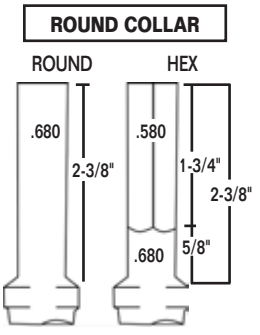
Part Number	For Use On
2476-8	Blank, 8", Oval Collar, Rd Shank
2477-8	Blank, 8", Oval Collar, Hex Shank
2478-8	Blank, 8", Rd Collar, Rd Shank
2479-8	Blank, 8", Rd Collar, Hex Shank
2476-11B	Blank, 11", Oval Collar, Rd Shank
2477-11	Blank, 11", Oval Collar, Hex Shank
2478-11	Blank, 11", RD Collar, Rd Shank
2479-11	Blank, 11", Rd Collar, Hex Shank
2480-9	Chisel, 9", Oval Collar, Rd Shank
2481-9	Chisel, 9", Oval Collar, Hex Shank
2482-9	Chisel, 9", Rd Collar, Rd Shank
2483-9	Chisel, 9", Rd Collar, Hex Shank
2480-12	Chisel, 12", Oval Collar, Rd Shank
2481-12	Chisel, 12", Oval Collar, Hex Shank
2482-12	Chisel, 12", Rd Collar, Rd Shank
2483-12	Chisel, 12", Rd Collar, Hex Shank
2480-18	Chisel, 18", Oval Collar, Rd Shank
2481-18	Chisel, 18", Oval Collar, Hex Shank
2482-18	Chisel, 18", Rd Collar, Rd Shank
2483-18	Chisel, 18", Rd Collar, Hex Shank
2480-24	Chisel, 24", Oval Collar, Rd Shank
2481-24	Chisel, 24", Oval Collar, Hex Shank
2484-9	Moil Point, 9", Oval Collar, Rd Shank
2485-9B	Moil Point, 9", Oval Collar, Hex Shank
2486-9	Moil Point, 9", Rd Collar, Rd Shank
2487-9	Moil Point, 9", Rd Collar, Hex Shank
2484-12	Moil Point, 12", Oval Collar, Rd Shank
2485-12	Moil Point, 12", Oval Collar, Hex Shank
2486-12	Moil Point, 12", Rd Collar, Rd Shank
2487-12	Moil Point, 12", Rd Collar, Hex Shank
2484-18	Moil Point, 18", Oval Collar, Rd Shank
2485-18	Moil Point, 18", Oval Collar, Hex Shank
2486-18	Moil Point, 18", Rd Collar, Rd Shank
2487-18	Moil Point, 18", Rd Collar, Hex Shank
2484-24B	Moil Point, 24", Oval Collar, Rd Shank
2485-24	Moil Point, 24", Oval Collar, Hex Shank
2486-24	Moil Point, 24", Rd Collar, Rd Shank



FOUR BOLT CHIPPER ACCESSORIES



Part Number	For Use On
2488-9	Chisel, 1 ½" x 9", Oval Collar, Rd Shank
2489-9	Chisel, 1 ½" x 9", Oval Collar, Hex Shank
2490-9	Chisel, 1 ½" x 9", Rd Collar, Rd Shank
2491-9	Chisel, 1 ½" x 9", Rd Collar, Hex Shank
2488-12	Chisel, 1 ½" x 12", Oval Collar, Rd Shank
2489-12	Chisel, 1 ½" x 12", Oval Collar, Hex Shank
2490-12	Chisel, 1 ½" x 12", Rd Collar, Rd Shank
2491-12	Chisel, 1 ½" x 12", Rd Collar, Hex Shank
2488-18	Chisel, 1 ½" x 18", Oval Collar, Rd Shank
2489-18	Chisel, 1 ½" x 18", Oval Collar, Hex Shank
2490-18	Chisel, 1 ½" x 18", Rd Collar, Rd Shank
2491-18	Chisel, 1 ½" x 18", Rd Collar, Hex Shank
2492-9	Chisel, 2" x 9", Oval Collar, Rd Shank
2493-9	Chisel, 2" x 9", Oval Collar, Hex Shank
2494-9	Chisel, 2" x 9", Rd Collar, Rd Shank
2495-9B	Chisel, 2" x 9", Rd Collar, Hex Shank
2492-12	Chisel, 2" x 12", Oval Collar, Rd Shank
2493-12	Chisel, 2" x 12", Oval Collar, Hex Shank
2494-12	Chisel, 2" x 12", Rd Collar, Rd Shank
2495-12	Chisel, 2" x 12", Rd Collar, Hex Shank
2492-18	Chisel, 2" x 18", Oval Collar, Rd Shank
2493-18	Chisel, 2" x 18", Oval Collar, Hex Shank
2494-18	Chisel, 2" x 18", Rd Collar, Rd Shank
2495-18	Chisel, 2" x 18", Rd Collar, Hex Shank
2496-9	Bushing Tool, Oval Collar, Rd Shank
2497-9	Bushing Tool, Oval Collar, Hex Shank
2498-9	Bushing Tool, Rd Collar, Rd Shank
2499-9	Bushing Tool, Rd Collar, Hex Shank
2470	Quick Change Retainer

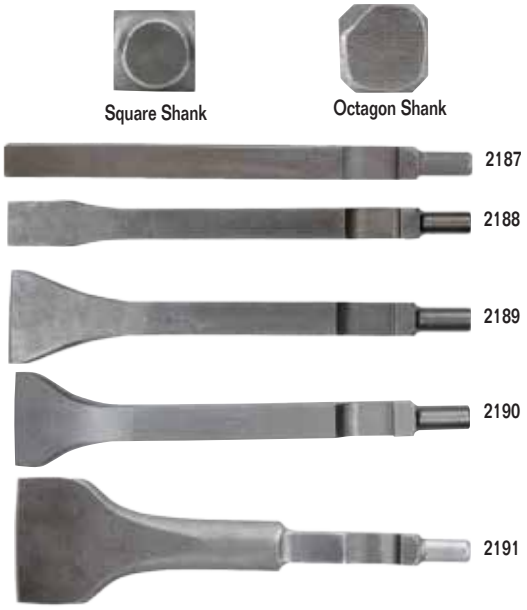


⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

SCALER ACCESSORIES



SC4 Chisels	SC8 Chisels	Description	Length		Width	
			in	mm	in	mm
2187	2287	Hardened Blank	7	175	5/8	16
2188	2288	Flat Chisel	7	175	3/4	19
2189	2289	Flat Chisel	7	175	1 3/8	35
2190	2290	Spoon Chisel	7	175	1 3/8	35
2191	2291	Flat Chisel	7	175	2	50
2192	2292	Flat Chisel	12	300	5/8	16
2193	2293	Flat Chisel	12	300	1 3/8	35
2194	2294	Spoon Chisel	12	300	1 3/8	35
2195	2295	Flat Chisel	12	300	2	50
2196	2296	Flat Chisel	18	450	5/8	16
2197	2297	Flat Chisel	18	450	1 3/8	35
2198	2298	Spoon Chisel	18	450	1 3/8	35
2199	2299B	Flat Chisel	18	450	2	50

SCALER KITS



SC4 SCALER KIT

Part No. SC41011AL-K

- SC4 Lever Needle Scaler
- Additional Set of Needles
- 3/4" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case



SC8 SCALER KIT

Part No. SC80910AL-K

- SC8 Needle Scaler
- Additional Set of Needles
- 3/4" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case

HAMMER ACCESSORIES



SC4 Chisels	Description	Width		Length	
		in	mm	in	mm
2201B	Cutter	5/8	16	6	150
2202B	Chisel	5/8	16	6	150
2203	Rivet Buster	5/8	16	5 1/2	140
2204	Expansion Chisel	5/8	16	11	280
2205	Scraper	1 1/4	30	6	150
2206	Punch			7	175
2210B	Punch			5	127
2217B	Rust Breaker			5 1/4	135
2212	Spot Weld Breaker			6	150
2213	Splitter			8	200
2214B	Edging Chisel			5	140
2215	Blank Chisel			6	150
2216	Fork Chisel			6 7/8	175
2218	Bushing Cutter			7	175
2219	Bushing Driver			4 1/2	115
2220	Bushing Chisel	1 5/8	40	7	175

SCALING NEEDLES



Part Number	Diameter	Length	Quantity	Used On
2260B	0.12"	5"	19	SC4, SC8 Scalers
2262	0.12"	7"	19	SC4, SC8 Scalers

BEEHIVE SPRING RETAINERS



2207



2208

Part Number	Description
2207	Chisel Retainer Spring
2208	Special Spring, use in place of 2207 with 2201, 2205, 2716, 2217, 2219 and 2220 Must use 2208 with 2239, 2244, 2245, 2246 and 2247

270 RIVET SETS

.401 Parker Taper Shank

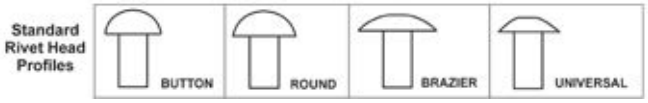


2238

Rivet Head Cupping	Rivet Diameter Size				
	3/32" Part No	1/8" Part No	5/32" Part No	3/16" Part No	1/4" Part No
Button Head	N/A	2229	2230B	2231	2244
Round Head	2232	2233	2234B	2235	2245
Brazier Head	2236	2237B	2238	2239	2246
Universal Head	2240	2241B	2242B	2243B	2247

3-1/2" (90 mm) overall length

RIVET SET PROFILES



⚠WARNING
Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SPECIALTY

Special Applications Require Special Tools

Sioux Tools has a superb selection of specialty tools designed for very specific applications, and as always, we manufacture the finest tools in the industry.

ROUTERS

Sioux offers a selection of routers and laminate trimmers in 1.0 hp (0.75 kw) or 1.5 hp (1.1 kw) configurations. They feature lockoff lever, twist or finger throttles and come with a selection of different bases.

TAPPERS

Choose from pistol grip or inline configurations. The pistol grip offers chuck capacity from No. 10 thru 1/2" size.

METAL WORKING TOOLS NIBBLER AND SHEAR

Our 1.0 hp (0.75 kw) nibbler and shear has the power for use on cold rolled sheet steel up to 18 gauge.



SHEARS

This versatile tool cuts 18 gauge steel and plastics up to 3/32" thick. It also makes straight or curve cuts clean and smooth.

AIRCRAFT SPECIALTY TOOLS

Sioux Tools offers several specialized tools for the aircraft industry such as Skin Clamp Runners, which are available in pistol grip or our exclusive Z-handle design. Rivet Shavers come in both pistol grip and inline configurations, with speeds up to 21,000 rpm.

CLINCH NUT TOOLS

As manufacturing trends continue to evolve manufacturers are finding more and more uses for thin wall assembly applications. Sioux Tools has a selection of Clinch Nut tools that handle these unique fasteners with precision and ease, and our Rapid Reverse feature makes them the best Clinch Nut tool on the market today.

AIR POWERED SAWS

Sioux Tools offers an outstanding and powerful Reciprocating Saw, offering variable speed control for precise cutting action in any application.




SRT10S25N


SRT10S25B


SRT10S25BB


SRT10S25LT

PERFORMANCE:

Power: 1 hp (0.75 kW)
Speed: 18,000 rpm – 25,000 rpm
Collet Size: 1/4" (6 mm)

FEATURES:

Lockoff Lever Throttle
Front Exhaust
Interchangeable Base
Built-in Speed Control

1 HP (0.75 KW) ROUTERS

CE

Model Number	Collet Size	Free Speed	Weight		Height		Maximum Air Consumption		Sound Level
		rpm	lb	kg	in	mm	cfm	l/s	dB(A)
Template Nose									
SRT10S18N	¼	18,000	2.1	0.95	9	230	30	14	78
SRT10S18M6N	6 mm	18,000	2.1	0.95	9	230	30	14	78
SRT10S25N	¼	25,000	2.1	0.95	9	230	30	14	78
SRT10S25M6N	6 mm	25,000	2.1	0.95	9	230	30	14	78
3" Base									
SRT10S18B	¼	18,000	2.1	0.95	9	230	30	14	78
SRT10S18M6B	6 mm	18,000	2.1	0.95	9	230	30	14	78
SRT10S18BB	¼	18,000	2.6	1.15	8.3	210	30	14	78
SRT10S25B	¼	25,000	2.1	0.95	9	230	30	14	78
SRT10S25M6B	6 mm	25,000	2.1	0.95	9	230	30	14	78
SRT10S25BB	¼	25,000	2.6	1.15	8.3	210	30	14	78
Laminate Trimmer									
SRT10S18LT	¼	18,000	2.9	1.30	9.3	235	30	14	78
SRT10S25LT	¼	25,000	2.9	1.30	9.3	235	30	14	78

Template guides must be ordered separately
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Base/Head Assembly, Collet, Collet Wrenches
Accessories: Router Accessories, see pages 726-727

PERFORMANCE:

Power: 1.5 hp (1.2 kW)
Speed: 20,000 rpm
Collet Size: 1/4" – 1/2"

FEATURES:

Twist and Finger Throttle
4" (102 mm) or 6" (152 mm) Diameter Base
Side Exhaust


1981F


1980


RT1983

1.5 HP (1.2 KW) ROUTERS

Model Number	Collet Size	Free Speed	Weight		Height		Base Diameter		Maximum Air Consumption		Sound Level
		rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Finger Throttle											
1981F	½"	20,000	6	2.7	9.8	248	4	102	38	18	85
Twist Throttle											
1980A	¼"	20,000	4.5	2	7.6	193	4	102	38	18	85
1980	⅜"	20,000	4.5	2	7.6	193	4	102	38	18	85
RT1981	½"	20,000	4.5	2	7.6	193	4	102	38	18	85
1982A	¼"	20,000	7.5	3.4	8.3	211	6	152	38	18	85
RT1982	⅜"	20,000	7.5	3.4	8.3	211	6	152	38	18	85
RT1983	½"	20,000	4.8	2.2	8.3	211	6	152	38	18	85

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Base & Collet Wrenches
Accessories: Router Accessories, see pages 726-727

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SPECIALTY

The Fastest Way Out of a Clinch

Sioux Tool's new rapid reverse Clinch Nut Tools are meeting the demand of today's manufacturing marketplace with versatility and simplicity. Clinch nuts, also known as captive nuts, provide a reliable means of securing assembly components in thin wall applications. These unique fasteners are inserted into predrilled holes in thin materials such as sheet metal, and with the aid of a Sioux Clinch Nut Tool, compress and expand to clamp the material. This process creates a strong, secure base with a male or female thread for assembling additional components.

INSTALLING CLINCH NUT FASTENERS

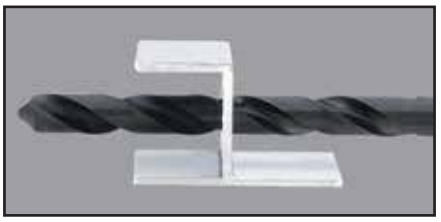
When installing clinch nut fasteners, the key to achieving high productivity with accurate, repeatable results is matching the right tool and fastener to your application. The right combination of rundown speed and stall torque in conjunction with a quick reverse method for disengaging the tool, will provide the best results. The Sioux SCN series tools offer higher torque in a wide range of speeds so you can match the right tool to your application. Our powerful tools allow you to use faster rundown speeds while maintaining high torque output, plus our exclusive Rapid Reverse feature makes short work of direction changes ensuring fast disengagement from the fastener.

REDUCING PHYSICAL LOAD

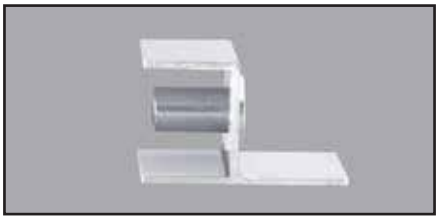
The ergonomic pistol housing with comfort rubber grip ensures operator comfort while maintaining superb balance and control. The powerful, precision motor ensures fast and consistent installation of fasteners in a variety of applications, and the wide selection of speeds and threads in both English and metric sizes make Sioux Tools your choice for all your clinch nut applications.

CLINCH NUT INSTALLATION PROCEDURE

Step 1 – Pre-drill hole for fastener.



Step 2 – Insert fastener.



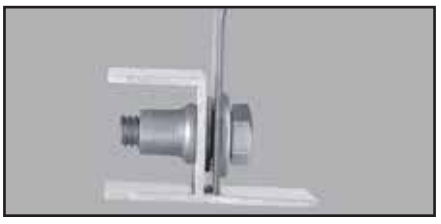
Step 3 – Thread tool into fastener.

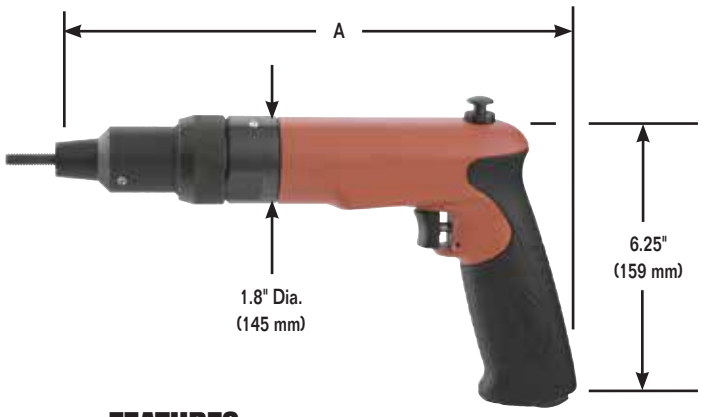


Step 4 – Run tool to collapse fastener. Reverse tool to release.



Step 5 – Assemble.





SCN7R

PERFORMANCE:

Torque: 60 in. lb (6.5 Nm) – 400 in. lb (45 Nm)
Speed: 300 rpm – 2500 rpm

FEATURES:

Reversible
Pistol Grip

1 HP (0.75 KW) CLINCH NUT TOOLS

Model Number	Free Speed	Maximum Torque		Weight		"A" Dimension		Side To Center		Maximum Air Consumption		Sound Level
	rpm	in lb	Nm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Pistol Grip – Rapid Reverse – Power Units Specifications												
SCN3R	300	400	45.2	3.2	1.5	11	279	0.9	20	30	14	80
SCN5R	500	325	36.7	3.2	1.5	11	279	0.9	20	30	14	80
SCN7R	700	220	24.8	3.2	1.5	11	279	0.9	20	30	14	80
SCN12R	1200	145	16.4	3.2	1.5	11	279	0.9	20	30	14	80
SCN20R	2000	80	9	2.8	1.3	10	254	0.9	20	30	14	80
SCN25R	2500	60	6.5	2.8	1.3	10	254	0.9	20	30	14	80

Power units can be ordered separately using part number above. For ordering complete tools select the appropriate power unit from the chart above and head assembly from the chart below and combine their part numbers as shown in the following example: SCN3R420.
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip
Accessories: Clinch Nut Accessories, see pages 726-727



CLINCH NUT (FEMALE)

Thread Size	Order Number Suffix	
	Serrated Nose	Smooth Nose
#4-40	440	440S
M3 x 0.5	M305	M305S
#6-32	632	632S
#8-32	832	832S
M4 x 0.7	M407	M407S
#10-24	1024	1024S
#10-32	1032	1032S
M5 x 0.8	M508	M508S
1/4-20	420	420S
M6 x 1.0	M610	M610S
5/16-18	518	518S
M8 x 1.25	M8125	M8125S
3/8-16	616	616S
M10 x 1.5	M1015	M1015S



CLINCH STUD (MALE)

Thread Size	Order Number Suffix	
	Serrated Nose	Smooth Nose
#4-40	440F	440SF
M3 x 0.5	M305F	M305SF
#6-32	632F	632SF
#8-32	832F	832SF
M4 x 0.7	M407F	M407SF
#10-24	1024F	1024SF
#10-32	1032F	1032SF
M5 x 0.8	M508F	M508SF
1/4-20	420F	420SF
M6 x 1.0	M610F	M610SF
5/16-18	518F	518SF
M8 x 1.25	M8125F	M8125SF
3/8-16	616F	616SF
M10 x 1.5	M1015F	M1015SF

Head assemblies can be ordered separately be adding the prefix SCN to the above part number (example SCN-420).

⚠WARNING
Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

PERFORMANCE:

Power: 1 hp (0.75 kW)
Torque: 145 in. lb (16 Nm) – 400 in. lb (45 Nm)
Speed: 300 rpm – 1200 rpm

FEATURES:

Pistol Grip Handle
Rapid Reverse

CAPACITY:

1/4" in Steel
5/16" in Aluminum



STP10P3C20



STP10S3B12

CE

TAPPERS

Model Number	Chuck Capacity		Maximum Torque		Free Speed	Weight		Length		Air Consumption		Sound Level
	in	mm	in lb	Nm	rpm	lb	kg	in	mm	cfm	l/s	dB(A)
1 hp (0.75 kW) – Pistol Grip – Trigger Start												
STP10P3C20	#10-5/16	5-8	400	45	300	2.9	1.3	7.3	185	30	14	80
STP10P3C32	1/4-1/2	6-13	400	45	300	2.9	1.3	7.3	185	30	14	80
1 hp (0.75 kW) – Inline – B12 Taper Spindle												
STP10S12B12			145	16	1200	2.5	1.2	9.5	240	30	14	78
STP10S7B12			220	25	700	2.5	1.2	9.5	240	30	14	78
STP10S5B12			325	37	500	2.5	1.2	9.5	240	30	14	78
STP10S3B12			400	45	300	2.5	1.2	9.5	240	30	14	78

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip • Tapping Chuck (model STP10P3C series)
Accessories: Tapper Accessories, see pages 726-727

PERFORMANCE:

Power: 0.6 hp (0.45 kW) - 1 hp (0.75 kW)
Speed: 21,000 rpm

FEATURES:

Pistol Grip & Inline



SRS6P21-8



SRS10P21-8



SRS10S21-8

CE

RIVET SHAVERS

Model Number	Cutter Diameter		Free Speed	Weight		Length		Side to Center		Maximum Air Consumption		Sound Level
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
0.6 hp (0.45 kW) – Pistol Grip – 1/4"-28 Internal Thread												
SRS6P21-5	5/16	8	21,000	2	0.9	6.5	165	0.8	21	25	12	84
SRS6P21-6	3/8	10	21,000	2	0.9	6.5	165	0.8	21	25	12	84
SRS6P21-7	7/16	11	21,000	2	0.9	6.5	165	0.8	21	25	12	84
SRS6P21-8	1/2	13	21,000	2	0.9	6.5	165	0.8	21	25	12	84
SRS6P21-9	9/16	14	21,000	2	0.9	6.5	165	0.8	21	25	12	84
SRS6P21-10	5/8	16	21,000	2	0.9	6.5	165	0.8	21	25	12	84
SRS6P21-9W	9/16	14	21,000	2	0.9	6.5	165	0.8	21	25	12	84
1 hp (0.75 kW) – Pistol Grip – 1/4"-28 Internal Thread												
SRS10P21-5	5/16	8	21,000	2.7	1.2	8	205	0.9	23	25	12	80
SRS10P21-6	3/8	10	21,000	2.7	1.2	8	205	0.9	23	25	12	80
SRS10P21-7	7/16	11	21,000	2.7	1.2	8	205	0.9	23	25	12	80
SRS10P21-8	1/2	13	21,000	2.7	1.2	8	205	0.9	23	25	12	80
SRS10P21-9	9/16	14	21,000	2.7	1.2	8	205	0.9	23	25	12	80
SRS10P21-10	5/8	16	21,000	2.7	1.2	8	205	0.9	23	25	12	80
1 hp (0.75 kW) – Inline – 1/4"-28 Internal Thread												
SRS10S21-8	1/2	13	21,000	2.5	1.1	10	255	0.9	23	30	14	78

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Skirt • Comfort Grip (Pistol Grip models)
Accessories: Rivet Shaver Accessories, see pages 726-727


2S2300SR


SSR6P25

PERFORMANCE:

Speed: 2200 rpm - 2500 rpm

FEATURES:

Pistol Grip and Z-Handle
1/2-12 Point Internal, 9/16-6 Point External Hex

SKIN CLAMP RUNNERS

Model Number	Free Speed	Weight		Length		Side to Center		Air Consumption Free Speed		Sound Level
	rpm	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Z-Handle										
2S2300SR	2200	2.6	1.2	5.7	145	0.9	23	16	8	75
Pistol Grip										
SSR6P25	2500	2.7	1.2	9.2	234	0.9	23	30	14	78

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip (Pistol Grip models)
Accessories: Skin Clamp Runner Accessories, see pages 726-727

PERFORMANCE:

Power: 1 hp (0.75 kW)
Strokes per Minute: 1800
Stroke Length: 0.6" (15 mm)

FEATURES:

Lockoff Trigger Start
Variable Speed
Swivel Air Inlet


1300

RECIPROCATING SAW

Model Number	Stroke Length		Strokes per Minute	Power		Weight		Length		Air Consumption		Sound Level
	in	mm		hp	kW	lb	kg	in	mm	cfm	l/s	dB(A)
1300	0.6	15	1800	1	0.7	7.8	3.5	17.2	437	35	17	86

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Swivel Air Inlet • 2 Blades • Protective Boot
Accessories: Reciprocating Saw Accessories, see pages 726-727

PERFORMANCE:

Free Speed: 10,000 rpm
Stroke Length: 0.375" (10 mm)
Cuts up to 1/8" (3 mm) mild steel

FEATURES:

Lock-off lever start
Low vibration
360° Adjustable Exhaust Deflector
Dual chuck accepts: 0.035" standard
air saw blades AND 6" long reciprocating saw blades


RS10K

RECIPROCATING SAW

Model Number	Stroke Length		Strokes per Minute	Weight		Length		Air Consumption		Sound Level
	in	mm		lb	kg	in	mm	cfm	l/s	dB(A)
RS10K	0.375	10	10,000	1.53	0.69	9.4	238.76	1	0.5	87.1

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Swivel Air Inlet • 2 Blades • Protective Boot
Accessories: Reciprocating Saw Accessories, see pages 726-727

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

PERFORMANCE:

Power: 1 hp (0.75 kW)
Free Speed: 18,000 rpm – 25,000 rpm

FEATURES:

Inline
Lockoff Lever Start
Front or Rear Exhaust



SCO10S253F

CUTOFF TOOL

Model Number	Blade Diameter		Depth of Cut		Free Speed	Weight		Length		Air Consumption		Sound Level	Exhaust
	in	mm	in	mm	rpm	lb	kg	in	mm	cfm	l/s	dB(A)	
1 hp (0.75 kW) – Cutoff Tool – Inline – Lockoff lever Start													
SCO10S184F	4	100	1.1	28	18,000	2	0.9	8.3	210	30	14	89.1	Front
SCO10S184R	4	100	1.1	28	18,000	2	0.9	8.3	210	30	14	87.8	Rear
SCO10S204F	4	100	1.1	28	20,000	2	0.9	8.3	210	30	14	90.3	Front
SCO10S204R	4	100	1.1	28	20,000	2	0.9	8.3	210	30	14	91.6	Rear
SCO10S253F	3	76	1	25	25,000	2	0.9	8.3	210	30	14	89	Front
SCO10S253R	3	76	1	25	25,000	2	0.9	8.3	210	30	14	87.8	Rear

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 1 Blade • Spindle Wrenches & Guard
Accessories: Panel and Cutoff Saw Accessories, see pages 726-727

FEATURES:

Heavy duty spiral bevel gearing for durability and smooth operation

4 position indexable angle head
360 degree rotatable guard
Grease zerk in gear case



SCO10A106

ANGLE CUTOFF TOOL

Model Number	Blade Diameter		Depth of Cut		Free Speed	Weight		Length		Air Consumption		Sound Level	Spindle Thread	Exhaust
	in	mm	in	mm	rpm	lb	kg	in	mm	cfm	l/s	dB(A)		
SCO7A184	4	100	1.2	30	18,000	2.5	1.4	6.4	163	25	12	TBD	3/8"-24	Front
SCO10A106	6	150	2	51	10,000	3.7	1.7	8.75	220	35	16.5	91.2	5/8"-11	Rear
SCO10A125	5	125	1.5	38	12,000	3.5	1.6	8.75	220	35	16.5	87.3	5/8"-11	Rear
SCO10A184	4	100	1.2	30	18,000	2.5	1.4	7.75	195	35	16.5	TBD	3/8"-24	Rear
SCO10AXL124	4	100	1	25	12,000	3.6	1.6	11.25	285	35	17	83.7	3/8"-24	Rear

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 1 Blade • Spindle Wrenches & Guard
Accessories: Angle Cutoff Tool Accessories, see page 726-727



SCOA1AX124



SCOA1AX124G

ANGLE METAL BODY EXTENDED CUTOFF TOOL

Model Number	Blade Diameter		Depth of Cut		Free Speed	Weight		Length		Air Consumption		Sound Level	Spindle Thread	Exhaust
	in	mm	in	mm	rpm	lb	kg	in	mm	cfm	l/s	dB(A)		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing														
SCOA1AX124	4	100	1	25	12,000	3.9	1.8	10.5	267	35	16.5	88	3/8" - 24	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip														
SCOA1AX124G	4	100	1	25	12,000	3.6	1.6	10.5	267	35	16.5	88	3/8" - 24	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing														
SCOS1AX124	4	100	1	25	12,000	4.5	2	10.5	267	35	16.5	89	3/8" - 24	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip														
SCOS1AX124G	4	100	1	25	12,000	4.1	1.9	10.5	267	35	16.5	87	3/8" - 24	Front

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • 1 Blade • Spindle Wrenches & Guard
Accessories: Angle Cutoff Tool Accessories, see page 726-727

PERFORMANCE:

Power: 1 hp (0.75 kW)
Capacity: 18 Gauge Cold Rolled Steel



SNH10S18

NIBBLER

Model Number	Capacity (Cold Rolled Steel)	Power		Weight		Length		Side to Center		Maximum Air Consumption		Sound Level
	in	hp	kW	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Nibbler												
SNH10S18[1]	18 Ga	1	0.75	2.65	1.2	8.5	215	0.9	32	30	14	82.4

[1] Not CE Certified
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual
Accessories: Nibbler Accessories, see pages 726-727

PERFORMANCE:

Power: 1 hp (0.75 kW)
Capacity: 18 Gauge Cold Rolled Steel



SSH10S18



SSH10P18

SHEARS

Model Number	Capacity (Cold Rolled Steel)	Power		Weight		Length		Side to Center		Maximum Air Consumption		Sound Level
	in	hp	kW	lb	kg	in	mm	in	mm	cfm	l/s	dB(A)
Shears												
SSH10S18[1]	18 Ga	1	0.75	2.75	1.25	11	280	0.9	32	30	14	79.4
SSH10P18	18 Ga	1	0.75	2.9	1.3	10	255	0.9	22	30	14	85.1

[1] Not CE Certified
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip (SSH10P18)
Accessories: Shears Accessories, see pages 726-727

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SPECIALTY

Compression Riveters

PRINCIPLES OF OPERATION

Air powered compression riveters deliver a squeezing action, which drives the rivet by "flowing" the rivet metal with compressed forces. Squeezing action is obtained by coupling an air cylinder and piston to a wedge or cam, thus multiplying the original force to extreme ratios. High compressive forces are obtained from a relatively compact unit having small diameter cylinders and using very little compressed air.

The advantage of squeeze riveting is simple sounds of air exhaust and forward piston movement developing tremendous pressures being exerted at the work point.

Optimum control may be obtained in compression riveting. The rivet head is formed by a steady, uniform squeeze action. The set plunger and dolly are an integral part of the squeezer itself.

Length of the return stoke may be adjusted that the plunger itself does not have to travel its full length.

Consistently applied pressure makes for a better appearance of the finished product as well as giving the ultimate in structural efficiency.

CLASSIFICATION OF SQUEEZERS:

Alligator: The squeezing action of the jaws are similar to the movement of an Alligators jaws.

'C' Type: The rivet is squeezed between the two ends of the 'C'.

Type of Rivet:
Rivet material.
Rivet body diameter.
Rivet length before and after compression.
Force required to compress rivet.

Riveter Selection Guide:
What material is the rivet made from?
What size is the rivet?
What is the form of the head?
What components are being assembled?
Are there any clearance problems?
Is Alligator or 'C' type yoke required?
How is the application being done now?
Are there any special considerations?

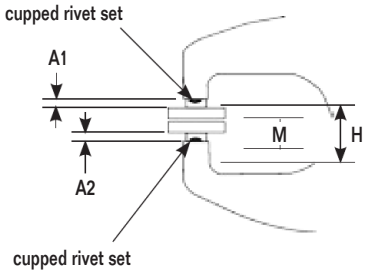
COMPRESSION RIVETERS

For maximum power the combined length of the two rivet sets must be of the correct length.

Determine the correct lengths as follows:

1) When two cupped rivet sets are used:

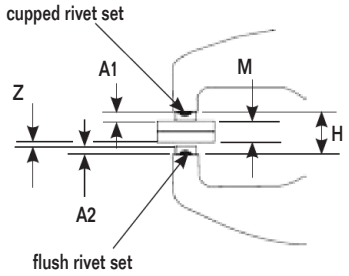
The length of the body dimensions of the two rivet sets (A1, A2) should equal the closed height dimension of the yoke (H) minus the total thickness of material being riveted together.



A1 + A2 = H - M

2) When one cupped set and one flush set are used:

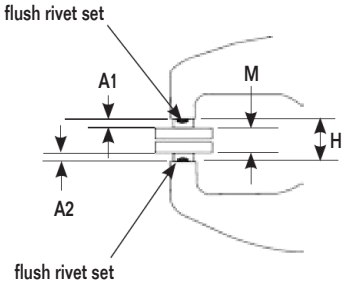
The length of the body dimensions of the two rivet sets (A1, A2) should equal the closed height dimension of the yoke H minus the total thickness of material being riveted (M) and the height of the finished rivet head (Z) compressed by the flush set (A).



A1 + A2 = H - M - Z

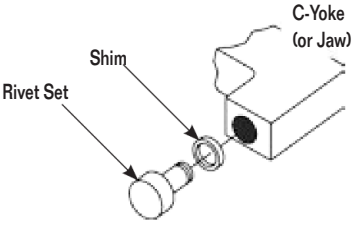
3) When two flush sets are used:

The length of the body dimensions of the two rivet sets (A1, A2) should equal the closed height dimension of the yoke (H) minus the overall length of the rivet (M) after it is compressed.



A1 + A2 = H - L

If necessary, select rivet sets a little short and shim to the correct length using spacer shims.



FEATURES:

Single, Tandem, and Triple Cylinder Options
Riveting Capacity:
1/8" (3 mm) (Single Cylinder)
3/16" (5 mm) (Tandem Cylinder)
1/4" (6 mm) (Triple Cylinder)
Safety Throttle


SZEA5030


SZEA7030


SZEA9030

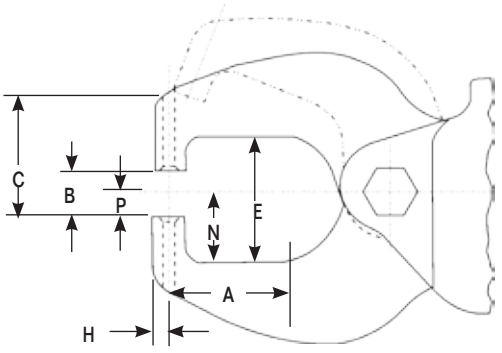
COMPRESSION RIVETERS

Model Number	Rivet Set Shank Diameter		Cap Cold Rivet Diameter				Standard Alligator Yoke Dimension				Max Force at 90 psi		Moving Jaw				Net Weight w/Yoke		Overall Length	
			Steel		Alum		Reach		Closed Ht				Max Travel		Stroke at Max Force					
	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kN	in	mm	in	mm	lb	kg	in	mm
CR-1 – Single Cylinder																				
SZEA5000	NA	NA	3/32	2	1/8	3	NA	NA	NA	NA	3000	13.4	5/8	16	final 1/16	2	2 1/4	1	7 11/16	195
SZEA5015	3/16	5	3/32	2	1/8	3	1 1/2	38	7/8	22	3000	13.4	5/8	16	final 1/16	2	3.75	1.7	9 3/16	233
SZEA5022	3/16	5	3/32	2	3/32	2	2 1/4	57	7/8	22	2200	9.8	7/8	22	final 3/32	2	4.25	1.9	10 1/8	257
SZEA5030	3/16	5	3/32	2	3/32	2	3	76	7/8	22	1800	8	1 1/4	32	final 1/8	3	4.75	2.2	10 7/8	276
CR-1 – Tandem Cylinder																				
SZEA7000	NA	NA	5/32	4	3/16	5	NA	NA	NA	NA	6000	26.7	5/8	16	final 1/16	2	4	1.8	10 1/2	267
SZEA7015	3/16	5	5/32	4	3/16	5	1 1/2	38	7/8	22	6000	26.7	5/8	16	final 1/16	2	5.5	2.5	12	305
SZEA7022	3/16	5	1/8	3	5/32	4	2 1/4	57	7/8	22	4300	19.1	7/8	22	final 3/32	2	6	2.7	13	330
SZEA7030	3/16	5	3/32	2	1/8	3	3	76	7/8	22	3400	15.1	1 1/4	32	final 1/8	3	6.25	2.8	13.75	349
CR-1 – Triple Cylinder																				
SZEA9000	NA	NA	3/16	5	1/4	6	NA	NA	NA	NA	9000	40.1	5/8	16	final 1/16	2	5.5	2.5	14.5	368
SZEA9015	3/16	5	3/16	5	1/4	6	1 1/2	38	7/8	22	9000	40.1	5/8	16	final 1/16	2	7	3.2	16	406
SZEA9022	3/16	5	5/32	4	3/16	5	2 1/4	57	7/8	22	7000	31.2	7/8	22	final 3/32	2	7.5	93.4	16.75	426
SZEA9030	3/16	5	5/32	4	3/16	5	3	76	7/8	22	5200	23.1	1 1/4	32	final 1/8	3	8	3.6	17.5	445

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Safety throttle action

ALLIGATOR YOKE NOMENCLATURE

A Reach
B Closed Height
C Total
E Gap
H Lowest Offset
N Depth from centerline to Stationary Jaw Gap
P Depth from centerline to Stationary Jaw set hole surface



A		B		C		E		H		N		P	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1 1/2	38	7/8	22	1 1/2	38	1 5/8	41	7/32	6	1.0	1	5/8	16
2 1/4	57	7/8	22	1 7/8	48	2 1/8	54	7/32	6	1 1/4	32	5/8	16
3	76	7/8	22	2 1/8	54	2 1/8	54	7/32	6	1 1/4	32	5/8	16

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

FEATURES:

Single, Tandem, and Triple Cylinder Options
Riveting Capacity:
1/8" (3 mm) (Single Cylinder)
3/16" (5 mm) (Tandem Cylinder)
1/4" (6 mm) (Triple Cylinder)
Safety Throttle



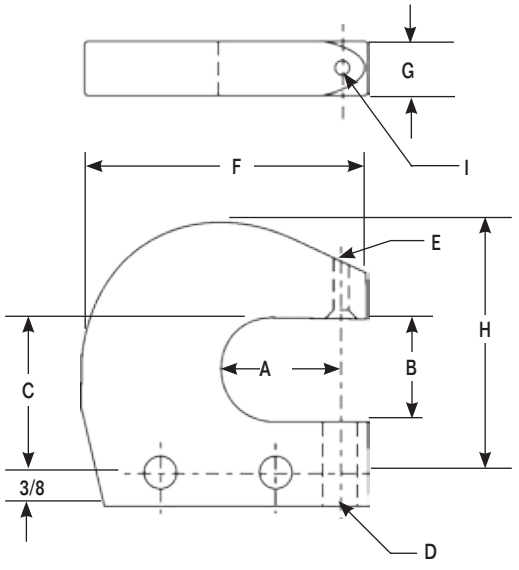
COMPRESSION RIVETERS

Model Number	Rivet Set Shank Diameter		Cap Cold Rivet Diameter				Standard "C" Yoke Dimension				Closed Height		Max Travel		Max Force at 90 psi		Stroke at Max Force		Net Weight w/Yoke		Overall Length	
			Steel		Alum		Reach		Gap													
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kN	in	mm	lb	kg	in	mm
CR-1 – Single Cylinder																						
SZEA3000	N/A	N/A	3/32	2	1/8	3	N/A	N/A	N/A	N/A	N/A	N/A	9/16	14	3000	13.4	ƒ-1/16	2	3 1/2	1.6	8 1/2	216
SZEA3015	3/16	5	3/32	2	1/8	3	1 1/2	38	1 1/4	32	11/16	78	9/16	14	3000	13.4	ƒ-1/16	2	4 1/2	2	10 1/4	262
CR-1 – Tandem Cylinder																						
SZEA6000	N/A	N/A	5/32	4	3/16	5	N/A	N/A	N/A	N/A	N/A	N/A	9/16	14	6000	26.7	ƒ-1/16	2	4 1/2	2	11 1/4	287
SZEA6015	3/16	5	5/32	4	3/16	5	1 1/2	38	1 1/4	32	11/16	78	9/16	14	6000	26.7	ƒ-1/16	2	5 1/2	2.5	14	356
CR-1 – Triple Cylinder																						
SZEA8000	N/A	N/A	5/32	4	1/4	6	N/A	N/A	N/A	N/A	N/A	N/A	9/16	14	9000	40.1	ƒ-1/16	2	7 1/2	3.4	16	406
SZEA8015	3/16	5	3/16	5	1/4	6	1 1/2	38	1 1/4	32	11/16	78	9/16	14	9000	40.1	ƒ-1/16	2	8 1/2	3.9	18 3/4	476

Due to a variety of jobs and applications, Squeeze Riveters are not supplied with rivet sets.
Please contact Sioux Tools, Inc. or your local distributor for rivet set information.
General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Safety throttle action

C-YOKE NOMENCLATURE

A Reach
B Gap
C Height from yoke hole to center to top of yoke gap
D Bottom set hole diameter CR-1 or CR-2
E Top set hole diameter CR-1 or CR-2
F Width of yoke set hole center to top of yoke
G Thickness of yoke
H Height of yoke from bolt hole center to top of yoke
I Radius from set hole center



A		B		C		D		E		F		G		H		I	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1 1/2	38	1 1/4	32	1 7/8	48	3/8	10	3/16	5	2 7/8	73	9/16	14	3	76	1/4	6
						7/16	11	1/4	6								

RIVET SHAVER SKIRTS



3/4-16 Thread

2925-8B

Part Number	Cutter Diameter	
	in	mm
2925-5	5/16	8
2925-6	3/8	10
2925-7	7/16	11
2925-8B	1/2	13
2925-9	9/16	14
2925-9W	9/16	14
2925-10	5/8	16

STABILIZER

Part Number	For Use On
7427A	SRS6P21 series



74274A

COLLETS



44440



21126B

Collet Type	Part Number	Capacity	For Use On
Sioux	44440	1/4"	1971HP series
Sioux	66038	6 mm	1971HP series
100 Series	21126B	1/4"	1980A, 1982A, RT1985
100 Series	21125	3/8"	1980, RT1982, 1985A
100 Series	21124	1/2"	1981F, RT1981, RT1983, 1985-1/2



21095



21139

Collet Type	Collets
21095	#10 - 5/16"
21139	1/4" - 1/2"

SUPPORT HANDLE

Part No. 2355B



SIGNATURE SERIES SUPPORT HANDLE

Part No. SPSDR-14A



COLLET CHUCK ASSEMBLIES

Sioux Style Collets



Collet Body | Collet Insert | Collet Nut

Collet Chuck Assemblies	Sioux Collet Chuck				
	1/8"	3 mm	3/16"	1/4"	6 mm
Chuck Assembly	43342	68617	43341	43340	68618
Collet Body	21096	21096	21096	21096	21096
Collet Insert	44522	66037	44523	44440	66038
Collet Nose	N/A	N/A	N/A	N/A	N/A
Collet Nut	21097	21097	21097	21097	21097

200 Series Heavy Duty Double Tapered Collet



Collet Nut | Collet | Collet Body

Part Number	Description
74071	Collet Nut
74072	Collet (1/8")
74073	Collet (3/16")
74074	Collet (1/4")
77400	Collet (1/4") Heavy Duty
68030	Collet (3/8")
74075	Collet (3 mm)
74076	Collet (6 mm)
68056	Collet (8 mm)
77057	Collet Body SDG Series
74070	Collet Body (1 hp)

300 Series Heavy Duty Double Tapered Collet



Collet Nut | Collet | Collet Body

Part Number	Description
74128	Collet Nut
74124	Collet (3/32")
74121	Collet (1/8")
74120	Collet (1/4")
74122	Collet (3 mm)
74123	Collet (6 mm)
77505	Collet Body SAS Series
74125	Collet Body SDG Series

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

ROUTER BASE ASSEMBLY



Part Number	Used On
1992	SRT10S25BB
1993	1971HP / SRT10S25BB
1994	1971HPC / SRT10S25BB

LAMINATE BASE TRIMMER

Part No. 1991
For use on SRT10S25LT series routers



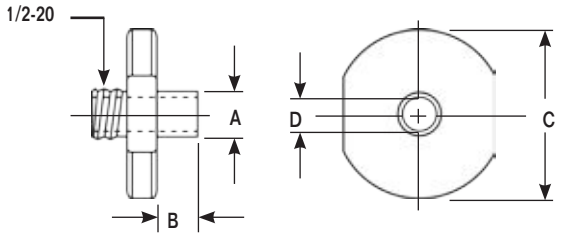
RECIPROCATING SAW BLADES

Packaged in Cartons of 5



Part Number	Length		Teeth Per Inch
	in	mm	
For Use on Model 1300			
1815	6	150	10
1810	6	150	14
1813	4	100	14
1811	6	150	18
1812	4	100	18
1814	6	150	24
1816	6	150	6
1819	12	300	6

TEMPLATE GUIDE CHART



Part Number	Dimensions in Inches			
	A Pilot OD	B Pilot Length	C Flange OD	D Pilot ID
68613-12	3/8	1/4	3/4	9/32
68613-14	3/8	3/8	3/4	9/32
68613-16	3/8	1/2	3/4	9/32
68613-22	3/8	1/8	1 1/2	9/32
68613-24	3/8	1/4	1 1/2	9/32
68613-26	3/8	3/8	1 1/2	9/32
68613-40	7/16	1/4	3/4	21/64
68613-42	7/16	3/8	3/4	21/64
68613-44	7/16	1/2	1 1/2	21/64
68613-48	7/16	1/4	1 1/2	21/64
68613-50	7/16	3/8	1 1/2	21/64
68613-52	7/16	1/2	1 1/2	21/64
68613-62	1/2	1/4	1 1/2	11/32
68613-64	1/2	3/8	1 1/2	11/32
68613-66	1/2	1/2	1 1/2	11/32
68613-72	1/2	1/2	2 1/2	11/32

FILTER, REGULATOR, LUBRICATOR ASSEMBLY

Part No. 1660B
1/2" NPT fittings
Air Flow: 30 – 75 cfm


1660B

Part Number	Description
1660B	Complete Air Control Unit, ½" PT
1661	Lubricator Only, ½" PT
1662A	Regulator with Gauge, ½" PT
1663	Manual Flex Drain Filter, ½" PT
1667	Automatic Drain – Optional

FILTER, REGULATOR, LUBRICATOR ASSEMBLY

Part No. 1651MA
3/4" NPT air fittings
Air Flow: Over 75 cfm


1651MA

Part Number	Description
1651MA	Complete Automatic Air Control Unit, ¾" PT, larger capacity and float type filter for automatic drain
1652M	Lubricator only, ¾" PT, 1 quart capacity
1654B	Regulator with Gauge, ¾" PT
1653MA	Automatic Air Filter, ¾" PT, automatic float drain empties when full

AIR REGULATOR

Part No. 1335B
1/4" NPT Male/Female
- Mounts inline with air inlet
- Allows fine adjustment of air flow



HI-CAPACITY QUICK CHANGE COUPLERS


1316


1391


1395

Part Number	Description	Thread
1316	Male Coupler Nipple	¼" NPT
1317	Male Coupler Nipple	⅜" NPT
1318	Male Coupler Nipple	½" NPT
1391B	Quick Change Coupler	¼" NPT
1392B	Quick Change Coupler	⅜" NPT
1393	Quick Change Coupler	½" NPT
1395	Female Coupler Nipple	¼" NPT
1396	Female Coupler Nipple	⅜" NPT

NYLON RECOIL AIR HOSE


1326

Part Number	ID		Length		Fittings
	in	mm	ft	m	
1326B	¼	6	25	7.6	¼" NPT
1327B	⅜	10	25	7.6	¼" NPT

SIOUX-PER SWIVEL

Allows the air hose to rotate 360˚ on 2 axes.


1338-25


1338FC-25

Part Number	Description
1338-25	¼" non-regulated air swivel connector with safety pin
1338-38	⅜" non-regulated air swivel connector with safety pin
1338-50	½" non-regulated air swivel connector with safety pin
1338FC-25	¼" regulated air swivel connector with safety pin

BALANCERS


2300-4B

Part Number	Capacity		Cable Length	
	lb	kg	ft	m
2300-4B	2 - 4	0.9 – 1.8	5.2	1.6
2300-6	4 - 6	1.8 – 2.7	6.7	2
2300-8B	6 - 8	2.7 – 3.6	6.7	2

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SIOUX

GREASE GUN

Part No. 439
Use with impact wrenches and multi-assembly angle tools.
For use with grease tube 1232A-04.



GREASE NOZZLE

Part No. 469A
Used with No. 468A grease gun.



GREASE

Part Number	Description
289A	1 Quart
289A-1	2 Pounds
289A-2	6 Pounds
1198	6 Ounces
1198-1	2 Pounds
1198-2	6 Pounds
1232A-04	4 Ounces
1232A-1	1 Quart

AIR MOTOR OIL FOR AIR TOOLS

Part No. 288
1/2 Pint

Part No. 288-1
1 Quart

Part No. 288-2
2 Liter



We Take On Any Job... Bit By Bit

INDUSTRY LEADER

Regarded as the Number 1 choice in the industry, Sioux Tools' pneumatic drills are known around the world for their exceptional engineering and construction. A wide range of configurations, speeds, and options ensure a perfect match for any application. Choose from pistol grip, inline and right angle designs that will help you get the job done fast and efficiently. Sioux also offers a complete line of accessories including a huge section of hole saws.

DESIGNED TO WORK

Sioux Tools offers one of the widest selections of drills on the market today. With free speeds from 550 to 2,500 rpm we have the right drill for any application, for use with any type material. The gears are designed and built tough to handle demanding jobs, yet even under load, operate quietly and efficiently. Sioux drills come in both reverse and non-reverse models.



ERGONOMICS

All Sioux Drills offer ergonomic features to provide maximum comfort during operation. Many models include comfortable insulating grips to reduce cold and vibration. Due to the high torque output, model 5450R includes a auxiliary support handle for more control.

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS



3/8" (10 MM) DRILL

Model No. FDR5440

- Keyed chuck
- Non-reversible
- Aluminum housing
- Chuck capacity: 3/8" (10 mm)
- Free speed: 2300 rpm
- Weight: 2.1 lb (1.0 kg)
- Length: 7.9" (190 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 3/8" - 24 Spindle thread



3/8" (10 MM) DRILL

Model No. 5440KL

- Keyless chuck
- Non-reversible
- Aluminum housing
- Chuck capacity: 3/8" (10 mm)
- Free speed: 2300 rpm
- Weight: 2.1 lb (1.0 kg)
- Length: 7.5" (190 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 3/8" - 24 Spindle thread



3/8" (10 MM) DRILL

Model No. 5445R

- Keyed chuck
- Reversible
- Aluminum housing
- Chuck capacity 3/8" (10 mm)
- Free speed: 1800 rpm
- Weight: 3 lb (1.4 kg)
- Length: 8" (200 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 3/8" - 24 Spindle thread



3/8" (10 MM) DRILL

Model No. 5445RKL

- Keyless chuck
- Reversible
- Aluminum housing
- Chuck capacity 3/8" (10 mm)
- Free speed: 1800 rpm
- Weight: 3 lb (1.4 kg)
- Length: 8" (200 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 3/8" - 24 Spindle thread



1/2" (13 MM) DRILL

Model No. 5450R

- Keyed chuck
- Reversible
- Aluminum housing
- Support handle
- Free speed: 550 rpm
- Chuck capacity: 1/2" (13 mm)
- Weight: 4.3 lb (1.95 kg)
- Length: 9.25" (235 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 1/2" - 20 Spindle thread



1/2" (13 MM) DRILL

Model No. 5450RKL

- Keyless chuck
- Reversible
- Aluminum housing
- Support handle
- Free speed: 550 rpm
- Chuck capacity: 1/2" (13 mm)
- Weight: 4.3 lb (1.95 kg)
- Length: 9.25" (235 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 1/2" - 20 Spindle thread

FORCE SIOUX TOOLS



3/8" (10 MM) INLINE AIR DRILL

Model No. 5434KL

- Keyless Chuck
- Non-Reversible
- Aluminum housing
- Lockoff level throttle
- Rear exhaust
- Built-in speed regulator
- Chuck capacity: 3/8" (10 mm)
- Free speed: 2500 rpm
- Weight: 2 lb (0.9 kg)
- Length: 8" (200 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 3/8" - 24 Spindle thread



3/8" (10 MM) RIGHT ANGLE DRILL

Model No. FDR5430

- Keyed chuck
- Reversible
- Aluminum housing
- Rear exhaust
- Built-in speed regulator
- Free speed: 1200 rpm
- Chuck capacity: 3/8" (10 mm)
- Weight: 2.5 lb (1.1 kg)
- Length: 8" (200 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 3/8" - 24 Spindle thread



3/8" (10 MM) RIGHT ANGLE DRILL

Model No. 5430KL

- Keyless chuck
- Reversible
- Aluminum housing
- Rear exhaust
- Built-in speed regulator
- Free speed: 1200 rpm
- Chuck capacity: 3/8" (10 mm)
- Weight: 2.5 lb (1.1 kg)
- Length: 8" (200 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 3/8" - 24 Spindle thread



3/8" (10 MM) INLINE AIR DRILL

Model No. 5434

- Keyed Chuck
- Non-Reversible
- Aluminum housing
- Lockoff level throttle
- Rear exhaust
- Built-in speed regulator
- Free speed: 2500 rpm
- Chuck capacity: 3/8" (10 mm)
- Weight: 2 lb (0.9 kg)
- Length: 8" (200 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 3/8" - 24 Spindle thread



2352

QUICK CHANGE CHUCK: PART NO. 2352

Adapts 3/8"-24 threaded spindles to 1/4" hex quick change



21137



65562

DRILL CHUCKS & KEYS

Adapts arbor with 1/2"-20 thread to hole saw with 5/8"-18 thread

Chuck Capacity	Thread Size	Chuck Part No	Key Part No	Key Holder No
0 - 1/4"	3/8" - 24	21077	30000	
0 - 1/4"	3/8" - 24	21019A	30202	
0 - 3/8"	1/2" - 20	21002	30011	14273
0 - 3/8"	3/8" - 24	21085	30231	14273
1/16" - 3/8"	1/2" - 20	21131	30002	
1/16" - 3/8"	3/8" - 24	21133	30002	14273
1/16" - 3/8"[1]	3/8" - 24	65562		
5/64" - 1/2"	3/8" - 24	21132	30429	
5/64" - 1/2"	1/2" - 20	21137	30011	14273
5/64" - 1/2"[1]	1/2" - 20	506209		

[1] Keyless Chuck • Keyed chucks include key



506156 / 506155

SIDE HANDLE

Part Number	Description	Used On
506155	Clamp Ring	5450R
506156	Handle	5450R

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS

We're Making A Big Impact

Impact wrenches are the true workhorses of industrial power tools. These incredibly powerful tools make easy work of any job in a variety of applications. Before the creation of impact tools, workers had to manually strike a hammer against a hand wrench in order to loosen or tighten nuts or bolts. They could only manage a few blows per minute. But today's impact wrenches can exert more powerful blows, and some can produce up to 1,200 blows per minute. This is accomplished by using the energy of compressed air and converting the motor's torque into a rapid series of powerful rotary impacts.

CHOICE OF CONFIGURATION

Sioux Tools offers Force Impact Wrenches and Impact Drivers in a wide variety of configurations to meet your specific needs. Choosing the right mix of features such as handle configuration, type of retainer, torque output, anvil length, and drive size will make operators more productive, with less risk of discomfort and/or injury.



BUILT TOUGH

Built to a higher level of quality, Force Impact Wrenches and Impact Drivers are built a step above the standard. Manufactured from high quality materials, and utilizing the most advanced motor and clutch designs, these tools are constructed to hold in the toughest working environments.

HIGH QUALITY

Force Impact Wrenches and Impact Drivers provide a high quality, cost-effective choice for your impact requirements. Featuring one of the widest selections of impact tools for general industry, Sioux Force impacts reach all aspects of the maintenance and repair market and beyond to manufacturing applications. With drive sizes ranging from, 1/4" (6 mm) to 1" (25 mm), including hex quick change drives, and torque outputs up to 2700 ft lb (3661 Nm), finding the tool to meet your performance requirements will be simple.

Our extensive lineup of impact tools includes a wide selection of important features including:

- Twin Hammer, Pin or Roller Cam impact mechanisms
- Inline, pistol grip, or D handle configurations
- Pin, friction ring, quick change, or thru hole socket retainers
- Standard or extended anvils

FORCE SIOUX TOOLS



3/8" (10 MM) RATCHET WRENCH

Model No. 5007

- Steel angle head
- Aluminum housing
- Ergonomic Composite Grip
- Grade 5 bolt capacity: 5/16" (8 mm)
- Drive size: 3/8" (10 mm)
- Maximum torque: 20 ft lb (27 Nm)
- Free speed: 265 rpm
- Weight: 1.3 lb (0.55 kg)
- Length: 6.6" (168 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 1.4 cfm (37 l/s) avg. – 5.2 cfm (147 l/s) max.



1/4" (6 MM) RATCHET WRENCH

Model No. 5009

- Steel angle head
- Aluminum housing
- Ergonomic Composite Grip
- Grade 5 bolt capacity: 5/16" (8 mm)
- Drive size: 1/4" (6 mm)
- Maximum torque: 20 ft lb (27 Nm)
- Free speed: 265 rpm
- Weight: 1.5 lb (0.5 kg)
- Length: 6.6" (168 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 1.2 cfm (37 l/s) avg. – 5.2 cfm (147 l/s) max.



3/8" (10 MM) RATCHET WRENCH

Model No. 5011

- Steel angle head
- Aluminum housing
- Ergonomic Composite Grip
- Grade 5 bolt capacity: 7/16" (11 mm)
- Drive size: 3/8" (10 mm)
- Maximum torque: 50 ft lb (68 Nm)
- Free speed: 185 rpm
- Weight: 2.6 lb (1.2 kg)
- Length: 10.8" (274 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3 cfm (85 l/s) avg. – 12 cfm (340 l/s) max.



1/2" (13 MM) RATCHET WRENCH

Model No. 5013

- Steel angle head
- Aluminum housing
- Ergonomic Composite Grip
- Grade 5 bolt capacity: 7/16" (11 mm)
- Drive size: 1/2" (13 mm)
- Maximum torque: 50 ft lb (68 Nm)
- Free speed: 185 rpm
- Weight: 2.6 lb (1.2 kg)
- Length: 10.8" (274 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3 cfm (85 l/s avg.) – 12 cfm (340 l/s) max.

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS



3/8" (10 MM) INLINE IMPACT WRENCH

Model No. 5035

- Lever start
- Suspension Bail
- Steel anvil housing
- Twin Hammer Impact mechanism
- Built-in power regulator
- Friction Ring Socket Retainer
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive size: 3/8" (10 mm)
- Working torque range: 5-60 ft lb (7-81 Nm)
- Max. torque: 80 ft lb (108 Nm)
- Free speed: 7000 rpm
- Blows per minute: 1200
- Weight: 2.7 lb (1.2 kg)
- Length: 8.6" (218 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.6 cfm (102 l/s) avg. – 14.5 cfm (410 l/s) max



3/8" (10 MM) BUTTERFLY IMPACT WRENCH

Model No. 5045

- Built-in power regulator
- Swivel air inlet bushing
- Friction ring socket retainer
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive size: 3/8" (10 mm)
- Working torque range: 15-160 ft lb (20-217 Nm)
- Max. torque: 175 ft lb (237 Nm)
- Free speed: 9500 rpm
- Blows per minute: 1850
- Weight: 2.5 lb (1.1 kg)
- Length: 7.6" (193 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 2.5 cfm (1.2 l/s) avg.

3/8" (10 MM) IMPACT WRENCH

Model No. 5038B



- Reverse bias power
- Pin style impact mechanism
- Oil bath lubrication
- Built-in power regulator
- Molded comfort grip
- Friction ring socket retainer
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive size: 3/8" (10 mm)
- Working torque range: 50-160 ft lb (68-217 Nm)
- Max. torque: 185 ft lb (251 Nm)
- Free speed: 8500 rpm
- Blows per minute: 1160
- Weight: 3.7 lb (1.7 kg)
- Length: 6.3" (160 mm)
- Air inlet size: 1/4 NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.5 cfm (100 l/s) avg. – 14.0 cfm (395 l/s) max



3/8" (10 MM) INLINE IMPACT WRENCH

Model No. 5035P

- Lever start
- Suspension Bail
- Steel anvil housing
- Twin Hammer Impact mechanism
- Built-in power regulator
- Pin Socket Retainer
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive size: 3/8" (10 mm)
- Working torque range: 5-60 ft lb (7-81 Nm)
- Max. torque: 80 ft lb (108 Nm)
- Free speed: 7000 rpm
- Blows per minute: 1200
- Weight: 2.7 lb (1.2 kg)
- Length: 8.6" (218 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.6 cfm (102 l/s) avg. – 14.5 cfm (410 l/s) max.



3/8" (10 MM) BUTTERFLY IMPACT WRENCH

Model No. 5045P

- Built-in power regulator
- Swivel air inlet bushing
- Pin socket retainer
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive size: 3/8" (10 mm)
- Working torque range: 15-160 ft lb (20-217 Nm)
- Max. torque: 175 ft lb (237 Nm)
- Free speed: 9500 rpm
- Blows per minute: 1850
- Weight: 2.5 lb (1.1 kg)
- Length: 7.6" (193 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 2.5 cfm (1.2 l/s) avg.

3/8" (10 MM) IMPACT WRENCH

Model No. 5039B



- Reverse bias power
- Pin style impact mechanism
- Oil bath lubrication
- Molded comfort grip
- Built-in power regulator
- Pin socket retainer
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive size: 3/8" (10 mm)
- Working torque: 50-160 ft lb (68-217 Nm)
- Max. torque: 185 ft lb (251 Nm)
- Free speed: 8500 rpm
- Blows per minute: 1,160
- Weight: 3.7 lb (1.7 kg)
- Length: 6.3" (160 mm)
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.4 cfm (100 l/s) avg. – 14.0 cfm (395 l/s) max.

FORCE SIOUX TOOLS

3/8" (10 MM) QUIET COMPOSITE IMPACT



Model No. 5338A

- Friction Ring Socket Retainer
- Reverse bias motor
- Twin hammer impact mechanism
- Three Level power control
- Lightweight composite housing
- Contoured trigger for comfort and control
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive Size: 3/8"
- Working torque: 100 - 180 ft/lbs (135 - 245 Nm)
- Max. torque: 250 ft/lbs (339 Nm)
- Free speed: 9000 RPM
- Blows per minute: 900
- Weight: 2.7 lbs (1.21 kg)
- Length: 6.5" (165 mm)
- Air inlet size: 1/4" NPT
- Low sound level 85 dB (A)
- Recommended hose size: 3/8" (10 mm)
- Average Air consumption: 2.8 cfm (1.3 l/s)

3/8" (10 MM) QUIET COMPOSITE IMPACT



Model No. 5338AP

- Pin Socket Retainer
- Reverse bias motor
- Twin hammer impact mechanism
- Three Level power control
- Lightweight composite housing
- Contoured trigger for comfort and control
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive Size: 3/8"
- Working torque: 100 - 180 ft/lbs (135 - 245 Nm)
- Max. torque: 250 ft/lbs (339 Nm)
- Free speed: 9000 RPM
- Blows per minute: 900
- Weight: 2.7 lbs (1.21 kg)
- Length: 6.5" (165 mm)
- Air inlet size : 1/4" NPT
- Low sound level 85 dB (A)
- Recommended hose size: 3/8" (10 mm)
- Average Air consumption: 2.8 cfm (1.3 l/s)

1/2" (13 MM) IMPACT WRENCH



Model No. 5000A

- Twin hammer impact mechanism
- Front exhaust
- Built-in power regulator
- Friction ring socket retainer
- Grade 5 bolt capacity: 5/8" (16 mm)
- Drive size: 1/2" (13 mm)
- Working torque: 25-300 ft lb (34-407 Nm)
- Max. torque: 425 ft lb (576 Nm)
- Free speed: 8000 rpm
- Blows per minute: 1,200
- Weight: 5.6 lb (2.5 kg)
- Length: 7.4" (188 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 4.2 cfm (120 l/s) avg. – 16.8 cfm (475 l/s) max.

1/2" (13 MM) IMPACT WRENCH



Model No. 5000AL

- Twin hammer impact mechanism
- 2" Extended Anvil
- Front exhaust
- Built-in power regulator
- Friction ring socket retainer
- Grade 5 bolt capacity: 5/8" (16 mm)
- Drive size: 1/2" (13 mm)
- Working torque: 25-300 ft lb (34-407 Nm)
- Max. torque: 425 ft lb (576 Nm)
- Free speed: 8000 rpm
- Blows per minute: 1,200
- Weight: 5.6 lb (2.5 kg)
- Length: 9.4" (240 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 4.2 cfm (120 l/s) avg. – 16.8 cfm (475 l/s) max.

1/2" (13 MM) IMPACT WRENCH



Model No. 5050A

- Reverse bias power
- Twin hammer impact mechanism
- Built-in power regulator
- Down handle exhaust
- Steel anvil housing
- Friction ring socket retainer
- Grade 5 bolt capacity: 5/8" (16 mm)
- Drive size: 1/2" (13 mm)
- Working torque: 50-350 ft lb (68-474 Nm)
- Max. torque: 475 ft lb (644 Nm)
- Free speed: 8,000 rpm
- Blows per minute: 1100
- Weight: 5.6 lb (2.5 kg)
- Length: 7.4" (188 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.6 cfm (102 l/s) avg. – 14.5 cfm (410 l/s) max.

1/2" (13 MM) IMPACT WRENCH



Model No. 5051A

- Reverse bias power
- Twin hammer impact mechanism
- Built-in power regulator
- Down handle exhaust
- Steel anvil housing
- Pin socket retainer
- Grade 5 bolt capacity: 1/2" (13 mm)
- Drive size: 1/2" (13 mm)
- Working torque: 50-350 ft lb (68-474 Nm)
- Max. torque: 475 ft lb (644 Nm)
- Free speed: 8000 rpm
- Blows per minute: 1,100
- Weight: 5.6 lb (2.5 kg)
- Length: 7.4" (188 mm)
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.5 cfm (100 l/s) avg. – 14 cfm (395 l/s) max.

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS



1/2" (13 MM) QUIET COMPOSITE IMPACT

Model No. 5350A

- Friction Ring Socket Retainer
- Reverse bias motor
- Twin hammer impact mechanism
- Three Level power control
- Lightweight composite housing
- Contoured trigger for comfort and control
- Grade 5 bolt capacity: 5/8" (16 mm)
- Drive Size: 1/2"
- Working torque: 100 - 450 ft/lbs. (135 - 610 Nm)
- Max. torque: 520 ft.lbs. (705 Nm)
- Free speed: 6300 RPM
- Blows per minute: 1200
- Weight: 4.6 lbs. (2.07 kg)
- Length: 6.7" (170 mm)
- Air inlet size: 1/4" NPT
- Low sound level 82 dB (A)
- Recommended hose size: 3/8" (10 mm)
- Average Air consumption: 3.9 cfm (1.8 l/s)



1/2" (13 MM) QUIET COMPOSITE IMPACT

Model No. 5350AP

- Pin Socket Retainer
- Reverse bias motor
- Twin hammer impact mechanism
- Three Level power control
- Lightweight composite housing
- Contoured trigger for comfort and control
- Grade 5 bolt capacity: 5/8" (16 mm)
- Drive Size: 1/2"
- Working torque: 100 - 450 ft/lbs. (135 - 610 Nm)
- Max. torque: 520 ft.lbs. (705 Nm)
- Free speed: 6300 RPM
- Blows per minute: 1200
- Weight: 4.6 lbs. (2.07 kg)
- Length: 6.7" (170 mm)
- Air inlet size: 1/4" NPT
- Low sound level 82 dB (A)
- Recommended hose size: 3/8" (10 mm)
- Average Air consumption: 3.9 cfm (1.8 l/s)



1/2" (13 MM) QUIET COMPOSITE IMPACT

Model No. 5350AL

- Pin Socket Retainer
- Reverse bias motor
- Twin hammer impact mechanism
- 2" extended anvil
- Three Level power control
- Lightweight composite housing
- Contoured trigger for comfort and control
- Grade 5 bolt capacity: 5/8" (16 mm)
- Drive Size: 1/2"
- Working torque: 100 - 450 ft/lbs. (135 - 610 Nm)
- Max. torque: 520 ft.lbs. (705 Nm)
- Free speed: 6300 RPM
- Blows per minute: 1200
- Weight: 4.8 lbs. (2.17 kg)
- Length: 8.7" (220 mm)
- Air inlet size: 1/4" NPT
- Low sound level 82 dB (A)
- Recommended hose size: 3/8" (10 mm)
- Average Air consumption: 3.9 cfm (1.8 l/s)



1/2" (13 MM) IMPACT WRENCH

Model No. 5250A

- Reverse bias power
- Pin style impact mechanism
- Oil bath lubrication
- Built-in power regulator
- Molded comfort grip
- Friction ring socket retainer
- Grade 5 bolt capacity: 5/8" (16 mm)
- Drive size: 1/2" (13 mm)
- Working torque: 50-375 ft lb (68-508 Nm)
- Max. torque: 525 ft lb (712 Nm)
- Free speed: 7000 rpm
- Blows per minute: 985
- Weight: 6 lb (2.7 kg)
- Length: 7.7" (196 mm)
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.5 cfm (100 l/s) avg. – 14 cfm (395 l/s) max.

FORCE SIOUX TOOLS



3/4" (19 MM) QUIET COMPOSITE IMPACT

Model No. 5375A

- Friction Ring Socket Retainer
- Reverse bias motor
- Twin hammer impact mechanism
- Three Level power control
- Lightweight composite housing
- Contoured trigger for comfort and control
- Grade 5 bolt capacity: 3/4" (19 mm)
- Drive Size: 3/4"
- Working torque: 300 - 800 ft/lbs. (407 - 1085 Nm)
- Max. torque: 1000 ft/lbs. (1356 Nm)
- Free speed: 4000 RPM
- Blows per minute: 300
- Weight: 8.5 lbs. (3.8 kg)
- Length: 9.5" (240 mm)
- Air inlet size: 3/8" NPT
- Low sound level 82 dB (A)
- Recommended hose size: 1/2" (13 mm)
- Average Air consumption: 5.6 cfm (2.6 l/s)



3/4" (19 MM) QUIET COMPOSITE IMPACT

Model No. 5375AP

- Thru Hole Socket Retainer
- Reverse bias motor
- Twin hammer impact mechanism
- Three Level power control
- Lightweight composite housing
- Contoured trigger for comfort and control
- Grade 5 bolt capacity: 3/4" (19 mm)
- Drive Size: 3/4"
- Working torque: 300 - 800 ft/lbs. (407 - 1085 Nm)
- Max. torque: 1000 ft/lbs. (1356 Nm)
- Free speed: 4000 RPM
- Blows per minute: 300
- Weight: 8.5 lbs. (3.8 kg)
- Length: 9.5" (240 mm)
- Air inlet size: 3/8" NPT
- Low sound level 82 dB (A)
- Recommended hose size: 1/2" (13 mm)
- Average Air consumption: 5.6 cfm (2.6 l/s)



3/4" (19 MM) IMPACT WRENCH

Model No. 5075A

- Aluminum housing
- Steel anvil housing
- Roller cam impact mechanism
- Built-in power regulator
- Friction ring and thru hole socket retainer
- Grade 5 bolt capacity: 3/4" (19 mm)
- Drive size: 3/4" (19 mm)
- Working torque: 300-800 ft lb (34-1084 Nm)
- Max. torque: 1200 ft lb (1627 Nm)
- Free speed: 4500 rpm
- Blows per minute: 870
- Weight: 12.6 lb (5.7 kg)
- Length: 10.2" (259 mm)
- Recommended hose size: 1/2" (13 mm)
- Air Consumption: 5.8 cfm (164 l/s) avg. – 23.2 cfm (655 l/s) max.



3/4" (19 MM) IMPACT WRENCH

Model No. 5075AL

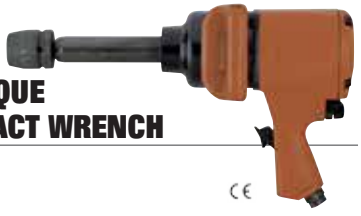
- Roller cam impact mechanism
- 6" (152 mm) extended anvil
- Oil bath lubrication
- Molded comfort grip
- Built-in power regulator
- Friction ring and thru hole socket retainer
- Grade 5 bolt capacity: 3/4" (19 mm)
- Drive size: 3/4" (19 mm)
- Working torque: 300-800 ft lb (34-1084 Nm)
- Max. torque: 1200 ft lb (1627 Nm)
- Free speed: 4500 rpm
- Blows per minute: 870
- Weight: 15.7 lb (7.1 kg)
- Length: 16.2" (411 mm)
- Recommended hose size: 1/2" (13 mm)
- Air Consumption: 5.8 cfm (164 l/s) avg. – 23.2 cfm (655 l/s) max.



1" (25 MM) HIGH TORQUE IMPACT WRENCH

Catalog No. 5092

- Pin impact mechanism
- Oil bath lubrication
- Support handle
- Friction Ring and Thru hole socket retainer
- Grade 5 bolt capacity: 1-1/2" (38 mm)
- Drive size: 1" (25 mm)
- Working torque: 600-1400 ft lb (813-1898 Nm)
- Max. torque: 2800 ft lb (3797 Nm)
- Free speed: 4000 rpm
- Blows per minute: 500
- Weight: 24.9 lb (11.3 kg)
- Length: 11.9" (302 mm)
- Recommended hose size: 1/2" (13 mm)
- Air Consumption: 8.3 cfm (235 l/s) avg. – 33.2 cfm (938 l/s) max.



1" (25 MM) HIGH TORQUE EXTENDED ANVIL IMPACT WRENCH

Catalog No. 5092L

- Pin impact mechanism
- Oil bath lubrication
- 6" extended anvil
- Support handle
- Friction Ring and Thru hole socket retainer
- Grade 5 bolt capacity: 1-1/2" (38 mm)
- Drive size: 1" (25 mm)
- Working torque: 500-1300 ft lb (675-1762 Nm)
- Max. torque: 2500 ft lb (3390 Nm)
- Free speed: 4000 rpm
- Blows per minute: 500
- Weight: 27.3 lb (12.4 kg)
- Length: 16.9" (429 mm)
- Recommended hose size: 1/2" (13 mm)
- Air Consumption: 8.3 cfm (235 l/s) avg. – 33.2 cfm (938 l/s) max.

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS



1" (25 MM) HIGH TORQUE IMPACT WRENCH

Catalog No. 5093

- Pin impact mechanism
- Oil bath lubrication
- Support handle
- Friction Ring and Thru hole socket retainer
- Grade 5 bolt capacity: 1-1/2" (38 mm)
- Drive size: 1" (25 mm)
- Working torque: 600-1400 ft lb (813-1898 Nm)
- Max. torque: 3000 ft lb (4068 Nm)
- Free speed: 4000 rpm
- Blows per minute: 500
- Weight: 25.6 lb (11.6 kg)
- Length: 15.1" (384 mm)
- Recommended hose size: 1/2" (13 mm)
- Air Consumption: 8.3 cfm (235 l/s) avg. – 33.2cfm (938 l/s) max.



1" (25 MM) IMPACT WRENCH

Model No. 5095

- Friction ring and thru hole socket retainer
- Reverse bias motor
- Twin hammer impact mechanism
- Steel hammer case
- Three piece housing
- Support handle included
- Grade 5 bolt capacity: 1-1/4" (32 mm)
- Drive Size: 1"
- Working torque: 500 - 1200 ft/lbs. (675 - 1625 Nm)
- Max. torque: 1400 ft/lbs. (1900 Nm)
- Free speed: 5000 RPM
- Blows per minute: 900
- Weight: 16.8 lbs. (7.6 kg)
- Length: 14.5" (370 mm)
- Air inlet size: 1/2" NPT
- Recommended hose size: 1/2" (13 mm)
- Average Air consumption: 15 cfm (7 l/s)



SOCKET RETAINING PINS WITH "O" RINGS

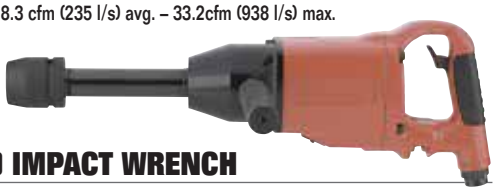
Retaining Pin	"O" Ring	For Use On
34911	14318	3/4" Dr. Sockets 6620-6638
34664	14317	3/4" Dr. Sockets 6640-6654
34665	14319	Adaptor 2568, All 1" Dr. Sockets



1" (25 MM) HIGH TORQUE IMPACT WRENCH

Catalog No. 5093L

- Pin impact mechanism
- 6" extended anvil
- Oil bath lubrication
- Support handle
- Friction Ring and Thru hole socket retainer
- Grade 5 bolt capacity: 1-1/2" (38 mm)
- Drive size: 1" (25 mm)
- Working torque: 500-1300 ft lb (675-1762 Nm)
- Max. torque: 2700 ft lb (3661 Nm)
- Free speed: 4000 rpm
- Blows per minute: 500
- Weight: 28 lb (12.7 kg)
- Length: 21.1" (536 mm)
- Recommended hose size: 1/2" (13 mm)
- Air Consumption: 8.3 cfm (235 l/s) avg. – 33.2cfm (938 l/s) max.



1" (25 MM) IMPACT WRENCH

Model No. 5095L

- Friction ring and thru hole socket retainer
- Reverse bias motor
- Twin hammer impact mechanism
- Steel hammer case
- Three piece housing
- Support handle included
- Grade 5 bolt capacity: 1-1/4" (32 mm)
- Drive Size: 1"
- Working torque: 500 - 1200 ft/lbs. (675 - 1625 Nm)
- Max. torque: 1400 ft/lbs. (1900 Nm)
- Free speed: 5000 RPM
- Blows per minute: 900
- Weight: 18.2 lbs. (8.2 kg)
- Length: 18.25" (465 mm)
- Air inlet size: 1/2" NPT
- Recommended hose size: 1/2" (13 mm)
- Average Air consumption: 15 cfm (7 l/s)



QUICK CHANGE CHUCK

Adapts male square drive to female hex quick change

Part Number	Drive Size		Color
	Input (Sauare Drive)	Output (Hex)	
2530	3/8"	1/4"	1 13/16"
2520	1/2"	7/16"	



ERGONOMIC HANDLE GRIP

Part No. 5002

Fits most Sioux Pistol Grip Air Tools and Impacts, etc.

FORCE SIOUX TOOLS

Make Easy Work Out Of A Daily Grind

Force grinders are ready to take on any application with the power to make the job fast and easy. This means new speeds and attachments to handle increased precision with ergonomic comfort.

FORCE GRINDERS

Our line-up of Force Grinders continues to be among the most popular in the industry. The choice of light, medium and heavy-duty performance allow you to own the right tool for the right job that remains cost-effective. We have both straight and right angle models to fit any application

Our Pencil Die Grinders are lightweight powerhouses with a choice of either 50,000 rpm or an incredible 70,000 rpm for exceptional performance.

SAFETY

When operating any grinding tool be sure to follow all safety requirements and always wear eye and face protection. Doing so will protect both the operator and the tool.



⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS



PENCIL DIE GRINDER

Model No. 5978A

- Twist throttle
- Remote exhaust
- Built-in speed regulator
- Power: 0.1 hp (0.07 kw)
- Free speed: 54,000 rpm
- Collet size: 1/8"
- Weight: 0.25 lb (0.11 kg)
- Length: 5.3" (135 mm)
- 60" (1,524 mm) hose with hose protector included
- Air Consumption: 4.2 cfm (118 l/s) avg. – 16.8 cfm (474 l/s) max



PENCIL DIE GRINDER

Model No. 5979A

- Twist throttle
- Remote exhaust
- Built-in speed regulator
- Power: 0.1 hp (0.07 kw)
- Free speed: 70,000 rpm
- Collet size: 1/8"
- Weight: 0.25 lb (0.11 kg)
- Length: 5.3" (135 mm)
- 60" (1,524 mm) hose with hose protector included
- Air Consumption: 5.3 cfm (150 l/s) avg. – 21.2 cfm (598 l/s) max



PENCIL DIE GRINDER

Model No. 5977

- Twist throttle
- Remote exhaust
- Built in speed control
- Textured grip
- Free speed: 70,000 RPM
- Collet size: 1/8"
- Weight: 0.45 lb (0.20 kg)
- Length: 6" (152 mm)
- 60" (1,524 mm) leader hose with protector included
- Air Consumption: 0.42 cfm (0.20 l/s)



LIGHT DUTY DIE GRINDER

Model No. 5053A

- Lockoff lever throttle
- Comfort Grip
- Front exhaust
- Built-in speed regulator
- Aluminum housing
- Power: 0.3 hp (0.2 kw)
- Free speed: 26,000 rpm
- Collet size: 1/4"
- Weight: 0.8 lb (0.4 kg)
- Length: 5.3" (135 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 4 cfm (113 l/s) avg. – 16 cfm (452 l/s) max.



MEDIUM DUTY DIE GRINDER

Model No. 5054A

- Lockoff lever throttle
- Comfort Grip
- Rear exhaust
- Built-in speed regulator
- Aluminum housing
- Power: 0.5 hp (0.4 kw)
- Free speed: 22,000 rpm
- Collet size: 1/4"
- Weight: 1.3 lb (0.6 kg)
- Length: 6.5" (165 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 4 cfm (113 l/s) avg. – 16 cfm (452 l/s) max.

FORCE SIOUX TOOLS



HEAVY DUTY RIGHT ANGLE DIE GRINDER

Model No. 5055A

- Lockoff lever throttle
- Comfort Grip
- Aluminum housing
- Built-in speed regulator
- Power: 0.3 hp (0.2 kw)
- Free speed: 20,000 rpm
- Collet size: 1/4"
- Weight: 1.1 lb (0.5 kg)
- Length: 5.5" (140 mm)
- Head Height: 2.9" (74 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 4 cfm (113 l/s) avg. – 16 cfm (452 l/s) max.



RIGHT ANGLE LIGHT DUTY DIE GRINDER

Model No. 5056

- Lockoff lever throttle
- Comfort Grip
- Rear Exhaust
- Built-in speed regulator
- Power: 0.5 hp (0.4 kw)
- Free speed: 16,000 rpm
- Collet size: 1/4"
- Weight: 2 lb (0.9 kg)
- Length: 7.5" (190 mm)
- Head Height: 3" (76 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 4.5 cfm (127 l/s) avg. – 18 cfm (508 l/s) max.



4 1/2" (115 MM) RIGHT ANGLE HEAVY DUTY GRINDER

Model No. 5268

- Aluminum housing
- Lockoff lever throttle
- Built-in speed regulator
- Free speed: 12,000 rpm
- Spindle size: 5/8" - 11
- Weight: 3.9 lb (1.7 kg)
- Length: 10" (254 mm)
- Head Height: 3.5" (90 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.3 cfm (94 l/s) avg. – 13.2 cfm (373 l/s) max.



5" (127 MM) RIGHT ANGLE HEAVY DUTY GRINDER

Model No. 5285

- Aluminum housing
- Lockoff lever throttle
- Built-in speed regulator
- Free speed: 12,000 rpm
- Spindle size: 5/8" - 11
- Weight: 3.9 lb (1.7 kg)
- Length: 10" (254 mm)
- Head Height: 3.5" (90 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.3 cfm (94 l/s) avg. – 13.2 cfm (373 l/s) max.

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS

The Best Way To A Great Finish

If you're in the market for tough tools that will deliver the performance you demand, then you've found what you need with Force sanders, polishers and buffers. These exceptional tools take on any application from repair and maintenance to manufacturing. With state-of-the-art orbital sanders, polishers and buffers you will get your work done faster and more efficiently than ever.

Sioux sanders are engineered to cover the full range of applications in metal, composite, and wood finishing. Our innovative, lightweight designs ensure they perform to the highest standards while still being comfortable to operate. Each delivers unsurpassed power and performance, resulting in the perfect finish.

FIT TO YOUR APPLICATION

Different applications require different finishing tools. That's why Sioux Tools offers a variety of sanders and polishers with a wide range of configurations.

VARIETY TO CHOOSE FROM

We also offer pistol grip, right angle, vertical, and inline sanders and polishers. Many of these come with your choice of throttle controls that allow the operator to work the way that's most comfortable.



FORCE SIOUX TOOLS

PISTOL GRIP SANDER



Model No. 5540

- Aluminum housing
- Built-in speed regulator
- Free Speed: 14,000 rpm
- Weight: 2.2 lb. (1 kg)
- Length: 4.3" (109 mm)
- Air inlet size: 1/4" NPT
- Spindle thread: 7/16"-20
- Recommended hose size: 3/8" (10 mm)
- 3" (75 mm) and 4-1/2" (115 mm) backing pads included
- Air Consumption: 12 cfm (340 l/s) avg. – 30 cfm (847 l/s) max.



5" (125 MM) RIGHT ANGLE AIR SANDER

Model No. 5265

- Lockoff lever throttle
- Safety lever throttle
- Removable auxiliary handle and wrenches
- Built-in speed regulator
- Rear exhaust
- Backing pad for 5" (125 mm) abrasives included
- Free Speed: 7000 rpm
- Weight: 2.9 lb. (1.32 kg)
- Length: 9.4" (240 mm)
- Spindle thread: 5/8" - 11
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 4.5 cfm (127 l/s) avg. – 18 cfm (508 l/s) max.



RIGHT ANGLE SANDER

Model No. 5287A

- Lockoff lever throttle
- Support handle can be mounted on either side
- Rear exhaust
- Backing pad for 7" (180 mm) abrasives included
- Free Speed: 6000 rpm
- Pad diameter: 7" (180 mm)
- Weight: 4.4 lb. (2 kg)
- Length: 12.6" (320 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Spindle thread: 5/8"-11
- Air Consumption: 4.8 cfm (135 l/s) avg. – 19.2 cfm (542 l/s) max.



DUAL ACTION SANDER

Model No. 5558A

- Built-in speed regulator
- Dual action sanding
- Vinyl grip and head cover
- Free speed: 10,000 rpm
- Weight: 4.3 lb. (2 kg)
- Height: 5.4" (137 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Sound level: 79 dB(A)
- 6" (150 mm) backing pad included
- Air Consumption: 5 cfm (142 l/s) avg. – 10 cfm (282 l/s) max.
- 3/8" (10 mm) Orbit Diameter



DUAL PISTON INLINE SANDER

Model No. 5560

- Dual handles
- Positive lock paper clamps
- 2500 spm (strokes per minute)
- Paper size: 2-3/4" x 17-1/2" (70 x 445 mm)
- Weight: 6.8 lb. (3.1 kg)
- Length: 16" (406 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3 cfm (85 l/s) avg. – 12 cfm (340 l/s) max.

WARNING

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Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS


593


594


593SV


593V


594V

ORBITAL SANDER BACKING PADS

Sioux random orbital backing pads are medium density, urethane pads rated for speeds up to 13,000 rpm. The 5" pads are a 3/8" thick with low profile design, while the 6" pads are 5/8" thick with tapered profile for fine feathering in corners or around edges.

Part Number	Diameter		Backing	Profile	Style
	in	mm			
593	5	125	PSA[1]	Low	Non-Vac
593V	5	125	PSA[1]	Low	Vacuum
593J	5	125	H&L[2]	Low	Non-Vac
593JV	5	125	H&L[2]	Low	Vacuum
593SV	5	125	PSA[1]	Low	Screen Vac
594	6	150	PSA[1]	Tapered	Non-Vac
594V	6	150	PSA[1]	Tapered	Vacuum
594J	6	150	H&L[2]	Tapered	Non-Vac
594JV	6	150	H&L[2]	Tapered	Vacuum
594SV	5	125	PSA[1]	Low	Screen Vac

[1] PSA - Vinyl face for pressure sensitive adhesive sanding discs
[2] H&L - Hook and loop face


587M


588M

SPEED-LOK BACKING PADS

For use on tools with 1/4" collets

Part Number	Diameter		Hex Size
	in	mm	
587M	2	50	1/4"
588M	3	75	1/4"


587-120

SPEED-LOK ABRASIVE DISCS

For use on Speed-Lok Backing Pads (Above)

Part Number	Diameter		Grit
	in	mm	
587-60	2	50	60
587-120	2	50	120
587-240	2	50	240
588-60	3	75	60
588-120	3	75	120
588-240	3	75	240


581, 2344, 2364

BACKING PADS

For use on tools with 1/4" collets

Part Number	Diameter		For Use On
	in	mm	
581*	5	125	7/16"-20 spindle thread
2344*	5	125	3/8"-24 spindle thread
2364*	5	125	5/8"-11 spindle thread

*includes disc nut 563


5205


5207

Part Number	Diameter		For Use On
	in	mm	
5205+	5	125	5265
5207*	7	180	5287A

*includes disc nut No. 67630
+does not include disc nut No. 67630 (order separately)


505079

Part Number	Diameter		For Use On
	in	mm	
505079	2.75 x 17.5	70 x 445	5560

FIBRE BACKING DISCS

Part No. 586
For use on 5540 series sander
Packaged in cartons of 6
Qty 3 - 3" (75 mm)
Qty 3 - 4-1/2" (110 mm)
Both have 7/8" (22 mm) arbor hole



Hammering Home A Point

Percussive tools, such as hammers, chippers and scalers, are commonly used in very abusive environments found in industries such as Foundry and Construction. Sioux Tools offers a variety of sizes, capacities and accessories built durable to ensure long life under tough operating conditions. We build them to work hard on the job,but not on you!

FORCE TOOLS

Our Force line-up of hammers deliver up to 4,800 blows per minute with stoke lengths from 1.8" (46 mm) to 3.8" (97 mm) and accept a .401 Parker Taper shank. Our lineup of Force scalers includes a weld flux scaler and mini-needle scaler that delivers 4,000 blows per minute with a 2" (50 mm) stroke.

We also feature a pistol grip needle scaler with a 3" (75 mm) stroke that delivers 3,000 blows per minute. You'll find a complete list of accessories for all Sioux percussive tools in the accessory section of this catalog.



WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS



HAMMER

Model No. 5272A

- Spring retainer
- Accepts 0.401 Parker Taper shanks
- Hardened steel barrel and piston
- Built-in Air Regulator
- Aluminum housing
- Stroke length: 1.6" (41 mm)
- Bore diameter: 0.8" (20 mm)
- Blows per minute: 4800
- Weight 3 lb (1.4 kg)
- Length: 5.8" (147 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)



PISTOL GRIP NEEDLE SCALER

Model No. 5262

- Comfort Grip
- Hardened steel barrel and piston
- Stroke length: 3" (75 mm)
- Bore diameter: 0.9" (23 mm)
- Blows per minute: 3000
- Weight 5.7 lb (2.6 kg)
- Length: 13.5" (340 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 19 — 0.12" (3 mm) Dia. x 7 (180 mm) long needles included



HAMMER

Model No. 5273A

- Spring retainer
- Accepts 0.401 Parker Taper shanks
- Built-in Air Regulator
- Hardened steel barrel and piston
- Aluminum housing
- Stroke length: 2.6" (66 mm)
- Bore diameter: 0.8" (20 mm)
- Blows per minute: 3200
- Weight 3.8 lb (1.7 kg)
- Length: 7.1" (180 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)



MINI NEEDLE SCALER

Model No. 5263

- Steel housing
- Hardened steel barrel and piston
- Stroke length: 2" (51 mm)
- Bore diameter: 0.7" (18 mm)
- Blows per minute: 4000
- Weight 2.6 lb (1.2 kg)
- Length: 11.4" (290 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 19 — 0.12" (3 mm) Dia. x 5" (125 mm) long needles included



HAMMER

Model No. 5274A

- Spring retainer
- Accepts 0.401 Parker Taper shanks
- Built-in Air Regulator
- Hardened steel barrel and piston
- Aluminum pistol-grip housing
- Stroke length: 3.8" (97 mm)
- Bore diameter: 0.8" (20 mm)
- Blows per minute: 2200
- Weight 4.7 lb (2.1 kg)
- Length: 9.3" (236 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)



NEEDLE SCALER

Model No. 5266

- Steel housing
- Hardened steel barrel and piston
- Stroke length: 2" (51 mm)
- Bore diameter: 1" (25 mm)
- Blows per minute: 4000
- Weight 5.7 lb (2.6 kg)
- Length: 16.1" (409 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 19 — 0.12" (3 mm) Dia. x 7" (180 mm) long needles included

FORCE SIOUX TOOLS


2207 2208

BEEHIVE SPRING RETAINERS

Part Number	Description
2207	Chisel Retainer Spring
2208	Special Spring, use in place of 2207 with 2201, 2205, 2716, 2217, 2219 and 2220


2228 2238

270 RIVET SETS

3-1/2" Overall Length

Rivet Head Cupping	Rivet Diameter Size				
	3/32" Part No	1/8" Part No	5/32" Part No	3/16" Part No	1/4" Part No
Button Head	2228B	2229	2230B	2231	2244
Round Head	2232	2233	2234B	2235	2245
Brazier Head	2236	2237B	2238	2239	2246
Universal Head	2240	2241B	2242B	2243	2247


2270

HAMMER CHUCK

Part Number	Description	For Use ON
2270	Quick change air hammer chuck	5272A, 5273A, 5274A


2260

SCALING NEEDLES

Part Number	Diameter	Length	Quantity	Used On
2260B	0.12"	5"	19	Scalers
2262	0.12"	7"	19	Scalers

HAMMER ACCESSORIES

.401 Parker Taper shank

Part Number	Description	Width		Length	
		in	mm	in	mm
2201	Cutter	5/8	16	6	150
2202	Chisel	5/8	16	6	150
2203	Rivet Buster	5/8	16	5 1/2	140
2204	Expansion Chisel	5/8	16	11	280
2205	Scraper	1 1/4	30	6	150
2206	Punch			7	175
2210B	Punch			5	127
2217B	Rust Breaker			5 1/4	135
2212	Spot Weld Breaker			6	150
2213	Splitter			8	200
2214B	Edging Chisel			5	140
2215	Blank Chisel			6	150
2216	Fork Chisel			6 7/8	175
2218	Bushing Cutter			7	175
2219	Bushing Driver			4 1/2	115
2220	Bushing Chisel	1 5/8	40	7	175


2201
2202
2203
2204
2205
2206
2210
2217
2212
2213
2214
2215
2216
2218
2220
2219

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS

Special Applications Require Special Tools

Sioux Tools has a history of designing specialty tools for very specific applications, and as always, we manufacture the finest tools in the industry. These tools will live up to your expectations in both power and ergonomics.

RECIPROCATING SAW

Operating at 10,000 strokes per minute, this powerful saw features an adjustable blade guard, lock-off lever throttle and a built-in speed regulator.

CUT-OFF TOOL

We designed our cut-off tool to operate with a free speed of 21,000 and a lock-off lever throttle. The lightweight aluminum housing and rear exhaust make it very comfortable to operate.



SELECTION

If your application requires routers, tappers or metalworking tools like nibblers, check out the extensive line of Sioux Industrial Tools for a complete listing.

FORCE SIOUX TOOLS



RECIPROCATING AIR SAW

Model No. 5300A

- Comfort Grip Handle
- 10,000 strokes per minute
- Adjustable Blade Guard
- Lockoff lever throttle
- Built-in speed regulator
- Weight 1.8 lbs. (0.8 kg)
- Length: 9.2" (235 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 5/16" (8 mm)



BI-METAL SAW BLADE (5 PACK)

Part Number	Description	Length
1823	Bi-Metal Blade - 18 TPI	4" (100mm)
1824B	Bi-Metal Blade - 24 TPI	4" (100mm)
1825	Bi-Metal Blade - 32 TPI	4" (100mm)



CUT-OFF TOOL

Model No. 5564A

- Rear exhaust
- Comfort Grip
- Lockoff lever throttle
- Aluminum housing
- Free speed: 21,000 rpm
- Blade Diameter: 3" (76 mm)
- Weight: 1.8 lb (0.08 kg)
- Length: 8" (203 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- 3/8" Arbor



AIR ENGRAVING PEN

Model No. 5980

- 13,000 cycles per minute
- Replaceable carbide tipped points
- Twist throttle
- 59" (1500 mm) hose
- 1/4" NPT air fitting
- High quality stainless steel housing
- Replaceable engraving points
  - 506246 - 45° (STD)
  - 506245 - 30°
  - 506244 - 15°

WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

FORCE SIOUX TOOLS

DUSTLESS WET/DRY VACUUM

- Outperforms Traditional Shop Vacs
- Two Layers Of Filtration For A Dust-Free Environment
- Powerful 23,000 RPM, 11.5 Amp Electric Motor
- 16 Gallon Capacity
- Does Not Cough Dust When Vacuum Is Turned On
- Convenient Tool Storage Onboard Vacuum
- Filtration Down To 0.5 Microns
- Quiet Operation Only 81 dB(A)



DVS-5

DUSTLESS HEPA VACUUM

- HEPA Certified
- Filtration Down To 0.3 Microns
- 16 Gallon Capacity
- Designed For Extra Fine Dust
- Quiet Operation Only 81 dB(A)
- Great For Hexavalent Chromium Applications



DVH-3

DRILL AND RIVET SHAVER VACUUM SHROUD

- Can Be Used With Any Drill Or Rivet Shaver
- Suction Holds The Shroud In Place
- Great For Tight Spaces
- Can Be Used For Drilling Holes Up To 1-3/8" Diameter
- Captures 99% Of Airborne Dust
- Protects Workers From Harmful Airborne Dust
- Transparent For Better Visibility
- Includes 6 ft. Vacuum Hose



DRVS150

HEPA FILTER

- Certified To Meet OSHA, EPA, & NIOSH Guidelines
- Captures Dust Down To 0.3 Microns
- Large Circumference For Increased Life
- Large Loose Plates For Increased Air Flow



MV-21

MICRO PRE-FILTER BAG

- Disposable
- Eliminates The Need To Clean Filters
- Retains Strength When Wet
- Holds More Than 40 lbs. Of Dust And Debris
- Captures Extra Fine Dust Down To .5 Microns
- Extends The Life Of HEPA Filters
- Large Surface Area For Maximum Airflow



MV-52

FABRIC FILTER SET

- 2 Stage Inner And Outer Filter
- Machine Washable
- Stays Dry At All Times
- Clean Outer Filter Without Opening the Canister
- No Need To Change Filters When Changing From Wet To Dry Vacuuming
- Large Surface Area For Maximum Flow



MV-51

HOSE CUFF ADAPTER SET

- Adapts 1-1/2" hose to 1-1/4" hose
- Connector for 1-1/2" vacuum hose



MV-49

PNEUMATIC TOOL REMOTE START ADAPTER

- Lets You Start And Stop Your Pneumatic Tool And Vacuum In Synchronization
- Works With Any Pneumatic Tool
- Wireless Radio Operated
- Quick And Easy To Set Up



DVRS-PA

ELECTRIC TOOL REMOTE START ADAPTER

- Works With Any Electric Power Tool
- Works With Any Vacuum
- Recognizes Up To 16 Tool / Tool Pods
- Wireless Radio Operated
- Quick And Easy To Set Up
- Reduces Trip Hazard (Fewer Cords)



DVRS-EA

VACUUM REMOTE START ADAPTER

- Allows the use of multiple tools off the same vacuum
- Can be used with any pneumatic tool or electric power tool



DVRS-VA



1359

AIR HOSES

Part Number	ID		Length		Fittings
	in	mm	ft	m	
1376	3/8	10	6	2.7	1/4" NPT
1377	3/8	10	25	11	1/4" NPT
1361	1	25	4	1.8	None



1326

NYLON RECOIL AIR HOSE

Part Number	ID		Length		Fittings
	in	mm	ft	m	
1326B	1/4	6	25	11	1/4" NPT
1327B	3/8	10	25	11	1/4" NPT



2300-4

BALANCERS

Part Number	Capacity		Cable Length	
	lb	mm	in	m
2300-4B	2 - 4	0.9 - 1.8	5.2	1.6
2300-6	4 - 6	1.8 - 2.7	6.7	2
2300-8B	6 - 8	2.7 - 3.6	6.7	2

FORCE SIOUX TOOLS



HIGH-CAPACITY QUICK CHANGE COUPLERS

Part Number	Description	Thread
1316	Male Coupler Nipple	¼" NPT
1317	Male Coupler Nipple	⅜" NPT
1318	Male Coupler Nipple	½" NPT
1391B	Quick Change Coupler	¼" NPT
1392B	Quick Change Coupler	⅜" NPT
1393	Quick Change Coupler	½" NPT
1395	Female Coupler Nipple	¼" NPT
1396	Female Coupler Nipple	⅜" NPT
1397	Female Coupler Nipple	½" NPT



SIOUX-PER SWIVEL

Allows the air hose to rotate 360˚on 2 axes

Part No. 1338-25
1/4" non-regulated air swivel connector with safety pin design

Part No. 1338-38
3/8" non-regulated air swivel connector with safety pin design

Part No. 1338-50
1/2" non-regulated air swivel connector with safety pin design

Part No. 1338FC-25
1/4" regulated air swivel connector with safety pin design

AIR MOTOR OIL FOR AIR TOOLS



Part No. 288
1/2 Pint

Part No. 288-1
1 Quart

Part No. 288-2
2 Liter

GREASE

Part Number	Size
289A	1 Quart
289A-1	2 Pounds
289A-2	6 Pounds
1198	6 Ounces
1198-1	2 Pounds
1198-2	6 Pounds
1232A	3 Ounces
1232A-02	1 ½ Ounces
1232A-04	4 Ounces
1232A-1	1 Quart
1232A-2	1 Gallon

GREASE GUN

Part No. 442
Used on Impacts and Tools with greaseable gears





FILTER, REGULATOR, LUBRICATOR ASSEMBLY

Part No. 1660
1/2" NPT fittings
Air flow: 30 - 75 cfm

Part Number	Description
1660B	Complete Air Control Unit, ½"PT
1661	Lubricator Only, ½"PT
1662A	Regulator with Gauge, ½"PT
1663	Manual Flex Drain Filter, ½"PT
1664	Manifold Block
1665	Connecting End Blocks
1666	Modular Sleeve ("O" Ring included)
1667	Automatic Drain - Optional
1668	Sleeve Wall Mounting Bracket



FILTER, REGULATOR, LUBRICATOR ASSEMBLY

Part No. 1651MA
3/4" NPT air fittings
Air flow: over 75 cfm

Part Number	Description
1651MA	Complete Automatic Air Control Unit, ¾" PT, larger capacity and float type filter for automatic drain
1652M	Lubricator only, ¾" PT, 1 quart capacity
1654B	Regulator with Gauge, ¾" PT
1653MA	Automatic Air Filter, ¾" PT, automatic float drain empties when full

AIR REGULATOR



Part No. 1335B
1/4" NPT Male / Female

GREASE GUN



Part No. 439
Used with impact wrenches and multi-assembly angle tools.

For use with grease tube 1232A-04

GREASE NOZZLE



Part No. 469A
Used with No. 468A grease gun

⚠WARNING

Safety Precaution: Read and follow all safety and operation instructions.
Warning: Face & eye protection must be worn while operating power tools, per ANSI B186.1.

SERVICE

Factory Authorized Service

Sioux Tools has Authorized Service Distributors conveniently located throughout the U.S., Canada and internationally to provide you with service virtually anywhere, anytime. Each is staffed with professional tool repair technicians who know Sioux tools, inside and out, and are able to provide complete and comprehensive repairs.

Each location features the newest in testing and inspection equipment to ensure your tool is repaired and serviced properly… the first time. Every tool that is serviced or repaired is calibrated and tested to the latest standards guaranteeing you the best performance possible.

Contact customer service for a complete listing of Authorized Service Distributors.

TRAINING

Committed to your Success

To ensure your personnel are knowledgeable about not only Sioux products, but all air tools and products, Sioux Tools conducts training seminars that cover all aspects of the tools we sell. We offer introductory training seminars to help you understand our entire line of tools and their basic operation. Advanced training is tailored to individual needs to help build the skill of an experienced student. In addition, hands-on training is available with particular focus on troubleshooting and repairing.

Contact customer service for a additional information on Sioux Tools training seminars.

Important Words About Safety for Users and Bystanders

Following these basic safety rules is a good start toward protecting yourself — and others in the vicinity — from injury while using tools.

Wear safety goggles
Use the right tool
Use the tool properly
Maintain the tool regularly
Keep tools away from children
Do not use tools on live electrical circuits unless specifically designed for such use
Read and follow instructions


THIS SYMBOL INDICATES PROHIBITED ACTION


DO NOT OVER-TORQUE NO PIPES OR LEVER EXTENSIONS


NO HAMMERING


NO PRYING


DO NOT STRIKE HARD OBJECTS


NO IMPACT/POWER DRIVE


DO NOT STEP IN OR ON DRAWERS


DO NOT OPEN MULTIPLE DRAWERS


DO NOT PULL TO MOVE


KEEP CHILDREN AWAY


THIS SYMBOL INDICATES MANDATORY ACTION


MANDATORY EAR PROTECTION


MANDATORY FACE SHIELD


MANDATORY MASK


MANDATORY RESPIRATOR


MANDATORY PROTECTIVE CLOTHING


MANDATORY PROTECTIVE GLOVES


MANDATORY EYE PROTECTION


MUST READ INSTRUCTIONS BEFORE USE

⚠ WARNING

THIS SYMBOL INDICATES A HAZARD ALERT, GENERAL WARNING SIGN


VIBRATION HAZARD


RISK OF EXPLOSION


OVERHEAD/ OVERLOAD HAZARD


RISK OF ELECTRIC SHOCK


RISK OF FIRE


RISK OF ENTANGLEMENT

Safety messages in this catalog use the guidelines of the American National Standard ANSI Z535.4 for Product Safety Signs and Labels and ANSI Z535.3 Criteria for Safety Symbols. Messages associated with specific products use a triangular hazard alert symbol, signal word (CAUTION, WARNING, DANGER) and how to avoid the hazard. Each message refers to pages (754-756) which provides additional safety symbols and three-part messages advising of:

- The hazard
- **How to avoid the hazard**
- *The probable consequence of not avoiding the hazard*

PLEASE READ AND FOLLOW these messages to avoid injury to yourself and bystanders.

Electrical, Electronic Service
(pliers, cutters, mini-torch)

⚠WARNING



- Broken tips or cut material can fly.

Wear safety shield. (User and bystanders)
Flying material can cause injury.



- Material can cause sparks or flying particles when heated.

Wear safety goggles. (User and bystanders)
Sparks and flying particles can cause injury.



- Butane will explode or burn when ignited.

Do not store butane at a temperature above 120°.
Hold Butane away from body and face.



Explosion or flames can cause injury.

- Electrical shock hazard.



Do not use on live electrical circuits.
Electrical shock can cause injury.

Extractors

⚠WARNING

- Drilling pilot holes, inserting extractors and using extractors can cause flying chips. Extractors can break if overloaded.



Wear safety goggles. (User and bystanders)
For hand use only.
Flying chips and broken tools can cause injury.

Gear Head Torque Multipliers

⚠WARNING

- Use of gear head torque multipliers for torque control may result in inaccurate torque application.

For accurate control of torque use an Electrotork®, a Torqometer® or other measuring device located directly on the fastener.
Limited accuracy of the torque ratio of a gear head torque multiplier may cause improper preload of the fastener if it is used for torque control.

Hand Tools

⚠WARNING

- Chrome and industrial finish hand tools can break if overloaded or used for the wrong application.



Wear safety goggles. (User and bystanders)
Do not use chrome or industrial finish hand tools with power drivers.
Use only impact sockets and accessories with impact wrenches.
Use only power sockets and accessories with power wrenches.
Broken hand tools, sockets or accessories can cause injury.

- Electrical shock hazard.



Do not use on live electrical circuits.
Electrical shock can cause injury.

Impact Drivers

⚠WARNING



- Impact drivers can cause tool breakage or flying objects.

Wear safety goggles. (User and bystanders)
Flying objects can cause injury.



Wear hearing protection. (User and bystanders)

Knives

⚠WARNING

- Blades are sharp and can cut. Blades can break causing flying objects.



Wear safety goggles. (User and bystanders)
Do not pry or bend blade.
Keep away from children.
Sharp edges and flying objects can cause injury.

Nut Splitters

⚠WARNING



- Use of impact wrench can cause nut splitter to break.



Wear safety goggles. (User and bystanders)
Do not use with impact wrench.
Broken tools can cause injury.

Plastic Handled Tools

⚠WARNING



- Plastic handles do not protect from electrical shock.

Do not use on live electrical circuits.
Electrical shock can cause injury.

Pliers/Cutters

⚠WARNING



- Broken tips or cut material can fly.

Wear safety goggles. (User and bystanders)
Flying material can cause injury.

Prybars

⚠WARNING



- Prying can cause flying chips. Chipped or cracked prybars can cause flying chips. Prybars can chip if struck.



Wear safety goggles. (User and bystanders)
Do not use pipe or lever extension.



Do not use a prybar if chipped or cracked.
Do not use a prybar as a punch or hammer.
Flying chips can cause injury.

Pullers, Presses

⚠WARNING



- Puller parts under stress can break.

Wear safety goggles. (User and bystanders)
Broken parts can cause injury.

Ratchets

⚠WARNING

- Ratchet mechanism may slip or break if dirty. Mismatched or partially worn parts can cause ratchet to slip or break.

Frequently inspect, clean and lubricate all non-sealed ratchet mechanisms with light oil.
Do not immerse sealed ratchet in fluids.
Do not replace worn parts individually, use entire contents of the service kit.
Ratchets that slip or break can cause injury.

Riveting, Sanding, Door Tools

⚠WARNING



- Riveting and nut setting tools can cause flying chips.

Wear safety goggles. (User and bystanders)
Flying chips can cause injuries.

Scrapers

⚠WARNING



- Scrapers and putty knives can break if used for prying or chiseling.



Wear safety goggles. (User and bystanders)
Do not use a scraper or putty knife as a prybar or chisel.
Broken tools can cause injury.

Screwdrivers

⚠WARNING



- Screwdrivers can break if used as prybar, chisel or punch.

Wear safety goggles. (User and bystanders)



Do not use a screwdriver as a prybar, chisel or punch.



Broken screwdriver can cause injury.

Socket Usage

Select the proper type of socket for the application.

⚠WARNING



- **Hand Sockets** - All chrome plated sockets and black finished sockets identified as hand sockets are for hand use only.



- **Impact Sockets** - Sockets designed for durability when used with impact drivers; use only impact sockets with impact drivers.

Wear safety goggles. (Users and bystanders)
Broken tools can cause injury.

Storage Units

⚠WARNING



- Storage units can tip or strike you.

Do not open more than one loaded drawer at a time.



Keep children away.
Close lid and lock drawers and doors before moving.



Apply brakes on locking casters when not moving unit.



Do not step in or on drawers.
Secure units together with fasteners.



Read and follow instruction manual.
Tipping of storage unit or unit striking you can cause injury.

- Units edges can cut or pinch.

Do not pull; push to move.
Wear gloves when lifting by edges.
Keep feet and fingers clear of edges when stacking, hanging or moving units.
Unit edges can cause injury.

Striking and Struck Tools, Punches/Chisels

⚠WARNING



- Striking and struck tools can break or chip. Chipped or mushroomed punch and chisel ends or metal weakened by improper grinding can fragment.

Oversized hammer can chip the punch or chisel.
Wear safety goggles. (Users and bystanders)
Do not use punch or chisel having mushroomed ends; dress edges or mushroomed ends to original shape with a hand file.
Hammer head diameter should be approximately 3/8" larger than head of punch or chisel.
Flying objects can cause injury.

- Steel punches and chisels can cause sparks during use.



Do not use near flammable substance.
Flammable substances can ignite causing injury.

Power Tools

(impact wrenches, ratchets, hammers, sanders, grinders, cut-off tools)

⚠WARNING



- Power tools can cause flying particles

Wear safety goggles (user and bystanders).
Flying particles can cause injury.



- Power tools generate noise

Wear hearing protection (user and bystanders).
Prolonged exposure to noise can cause hearing loss.



- Power tools vibrate

Avoid prolonged exposure to vibration.
Prolonged exposure to vibration can cause injury.

- Improper use of power tools and accessories can cause broken tools

Do not use without all guards in place.
Use accessories rated at tool RPM or higher.
Read and follow instructions before using power tools.

- Broken tools can cause injury.

Hammers

⚠WARNING



- Hammers can cause flying chips. Chipped, mushroomed or cracked hammers can cause flying chips. Glancing blows can cause flying chips. Striking hard surface can cause flying chips. Body hammers can chip or break if struck against hard surfaces.

Wear safety goggles. (Users and bystanders)
Do not use chipped, mushroomed or cracked hammers.
Strike squarely and avoid glancing blows.
Do not strike other hammers or similar hard surfaces.
Use body hammers only for striking automotive type sheet metal; do not strike hard surfaces.
Flying chips can cause injury.

- Steel hammers can cause sparks during use.



Do not use near flammable substance.
Flammable substances can ignite causing injury.

- COMPOTHANE® or urethane hammers can rupture or ignite if exposed to liquid oxygen.

Do not use COMPOTHANE® or urethane hammers near liquid oxygen.
Ruptured and/or ignited COMPOTHANE® or urethane can cause injury.

Threading

⚠WARNING



- Threading and rethreading tools can cause flying chips.

Wear safety goggles. (Users and bystanders)
Flying chips can cause injury.

Torque Testers

⚠WARNING



- Calibration weights can cause tester and its base to tip.

Wear safety goggles. (Users and bystanders)
Counterbalance or anchor mounting base.
Tipping base can cause injury.

Torque Wrenches

⚠WARNING



- Overtorquing can cause breakage. Wrench can break while breaking fasteners loose. Force against flex stops on flex head torque wrenches can cause head breakage. An out of calibration torque wrench can cause part or tool breakage.

Wear safety goggles. (Users and bystanders)
Do not exceed rated torque.
Do not use a torque wrench to break fasteners loose.
Do not force head of flex head torque wrenches against stops.
Periodic recalibration is necessary to maintain accuracy.
Broken tools can cause injury.

Wrenches

⚠WARNING



- Excess force can cause crowfoot or flare nut wrench slippage.

Do not over-torque, no pipes or lever extensions.
Use only moderate force on crowfoot and flare nut wrenches.
Broken or slipping wrenches can cause injury.

- Slimline wrenches can break if overloaded.

Wear safety goggles. (Users and bystanders)
Broken wrench jaw can cause injury.

Contents: Tools@Height Set WSC-409-THTB

Refer to Master Sets Section Page 14 for Photo and Description

Note: WSC-409-TH Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description
1184-TH	T@H COMB WRENCH 12PT 1-3/4
1186-TH	T@H COMB WRENCH 12PT 1-13/16
1188-TH	T@H COMB WRENCH 12PT 1-7/8
1190-TH	T@H COMB WRENCH 12PT 2
1208RC-TH	T@H Rat Comb Wrench 12Pt 1/4"
1208SC-TH	T@H Comb Wrench 12Pt 1/4
1-210-08-2-2-TH	T@H 8" Half Rd File W/Handle
1210RC-TH	T@H Rat Comb Wrench 12Pt 5/16"
1210SC-TH	T@H Comb Wrench 12Pt 5/16
1212RC-TH	T@H Rat Comb Wrench 12Pt 3/8"
1212SC-TH	T@H SC Comb Wrench 12-Pt 3/8
1214RC-TH	T@H Rat Comb Wrench 12Pt 7/16"
1214SC-TH	T@H SC Comb Wrench 12 Pt 7/16
1216RC-TH	T@H Rat Comb Wrench 12Pt 1/2"
1216SC-TH	T@H SC Comb Wrench 12 Pt 1/2
1218RC-TH	T@H Rat Comb Wrench 12Pt 9/16"
1218SC-TH	T@H SC Comb Wrench 12 Pt 9/16
1220RC-TH	T@H Rat Comb Wrench 12Pt 5/8"
1220SC-TH	T@H SC Comb Wrench 12 Pt 5/8
1222RC-TH	T@H Rat Comb Wrench 12Pt 11/16
1222SC-TH	T@H SC Comb Wrench 12 Pt 11/16
1224RC-TH	T@H Rat Comb Wrench 12Pt 3/4"
1224SC-TH	T@H SC Comb Wrench 12 Pt 3/4
1226RC-TH	T@H Rat Comb Wrench 12Pt 13/16
1226SC-TH	T@H SC Comb Wrench 12 Pt 13/16
1228RC-TH	T@H Rat Comb Wrench 12Pt 7/8"
1228SC-TH	T@H SC Comb Wrench 12 Pt 7/8
1-230-08-2-2-TH	T@H 8" Round File W/Handle
1230RC-TH	T@H Rat Comb Wrench 12Pt 15/16
1230SC-TH	T@H Sc Comb Wrench 12 Pt 15/16
1232RC-TH	T@H Rat Comb Wrench 12Pt 1"
1232SC-TH	T@H Sc Comb Wrench 12 Pt. 1
1234SC-TH	T@H Sc Comb Wrench 12-Pt 1-1/16
1236SC-TH	T@H Sc Comb Wrench 12-Pt 1-1/8
1240SC-TH	T@H Sc Comb Wrench 12-Pt 1-1/4
1242-TH	T@H COMB WRCH 12PT 1-5/16
1244-TH	T@H COMB WRCH 12PT 1-3/8
1246-TH	T@H COMB WRCH 12PT 1-7/16
1248-TH	T@H COMB WRENCH 12PT 1-1/2
12-610	3/8 DR DEEP IMP SKT 6-PT 5/16
12-612	3/8 DR DEEP IMP SKT 6-PT 3/8
12-614	3/8 DR DEEP IMP SKT 6-PT 7/16
12-616	3/8 DR DEEP IMP SKT 6-PT 1/2
12-618	3/8 DR DEEP IMP SKT 6-PT
12-620	3/8 DR DEEP IMP SKT 6-PT
12-622	3/8 DR DEEP IMP SKT 6-PT
12-624	3/8 DR DEEP IMP SKT 6-PT
14-612	1/2 DR DEEP IMP SKT 6-PT 3/8
14-614	1/2 DR DEEP IMP SKT 6-PT 7/16
14-616	1/2 DR DEEP IMP SKT 6-PT 1/2
14-618	1/2 DR DEEP IMP SKT 6-PT 9/16
14-620	1/2 DR DEEP IMP SKT 6-PT 5/8
14-622	1/2 DR DEEP IMP SKT 6-PT11/16
14-624	1/2 DR DEEP IMP SKT 6-PT 3/4
14-626	1/2 DR DEEP IMP SKT 6-PT13/16
14-628	1/2 DR DEEP IMP SKT 6-PT 7/8
14-630	1/2 DR DEEP IMP SKT 6-PT 15/16
14-632	1/2 DR DEEP IMP SKT 6-PT 1
14-634	1/2 DR DP IMP SKT 6-PT 1-1/16
14-636	1/2 DR DP IMP SKT 6-PT 1-1/8
1-476-04-3-2-TH	T@H SET 4" FILES WITH HANDLES
20542-TH	T@H 8 Oz BL PN Fbgl Hdl Hammr
20543-TH	T@H 12 Oz BL PN Fbgl Hdl Hammr
20544-TH	T@H 16 Oz BL PN Hammer
20545-TH	T@H 24 Oz BL PN Hammer
20546-TH	T@H 32 OZ BL PN Fbgl HNDL HMR
20678-TH	T@H 32 Oz Drilling Hammer
23302-TH	T@H CURV LCK PLIERS W/CUTTR 7"
23303-TH	T@H CURV LCK PLIERS W/CUTR 10"
23310-TH	T@H LG NOSE LCK PLIER W/CUT 9"
23321-TH	T@H CLMP LCK PLIER REG TIP 11"
23503-TH	T@H FRT END STRIP-CUT/CRIMPER
23506-TH	T@H HD Stripper/Cutter 10-20
24401-TH	T@H Nutdrr 3/16 X 3" Cush Grip
24403-TH	T@H Nutdrr 1/4 X 3" Cush Grip
24405-TH	T@H Nutdrr 5/16 X 3" Cush Grip
24407-TH	T@H Nutdrr 11/32 X 3" Cush Grp
24409-TH	T@H Nutdrr 3/8 X 3" Cush Grip
24411-TH	T@H Nutdrr 7/16 X 3" Cush Grip
24413-TH	T@H Nutdrr 1/2 X 3" Cush Grip
2-4A	3/8 DR IMP ADAPTER 3/8FX1/2M
2535L-TH	T@H BAHCO MAGNETC PICK-UP TOOL
2-610	3/8 DR IMPACT SKT 6-PT 5/16
2-612	3/8 DR IMPACT SKT 6-PT 3/8
2-614	3/8 DR. IMPACT SKT 6-PT 7/16
2-616	3/8 DR. IMPACT SKT 6-PT 1/2
2-618	3/8 DR. IMPACT SKT 6-PT 9/16
2-620	3/8 DR IMPACT SKT 6-PT 5/8
2-622	3/8 DR IMPACT SKT 6-PT 11/16
2-624	3/8 DR IMPACT SKT 6-PT 3/4
28201-TH	T@H AVIATION SNIPS LEFT CUT
28203-TH	T@H AVIATION SNIPS RIGHT CUT
28205-TH	T@H AVIATION SNIP STRAIGHT CUT
28449-TH	T@H PUNCH / CHISEL HOLDER
30206-TH	T@H 1/4Dr Std SKT 12Pt 3/16"
30207-TH	T@H 1/4Dr Std SKT 12Pt 7/32"
30208-TH	T@H 1/4Dr Std SKT 12Pt 1/4"
30209-TH	T@H 1/4Dr Std SKT 12Pt 9/32"
30210-TH	T@H 1/4Dr Std SKT 12Pt 5/16"
30211-TH	T@H 1/4Dr Std SKT 12Pt 11/32"
30212-TH	T@H 1/4Dr Std SKT 12Pt 3/8"
30214-TH	T@H 1/4Dr Std SKT 12Pt 7/16"
30216-TH	T@H 1/4Dr Std SKT 12Pt 1/2"
30218-TH	T@H 1/4Dr Std SKT 12Pt 9/16"
30406-TH	T@H 1/4Dr Dp SKT 12Pt 3/16"
30407-TH	T@H 1/4Dr Dp SKT 12Pt 7/32"
30408-TH	T@H 1/4Dr Dp SKT 12Pt 1/4"
30409-TH	T@H 1/4Dr Dp SKT 12Pt 9/32"
30410-TH	T@H 1/4Dr Dp SKT 12Pt 5/16"
30411-TH	T@H 1/4Dr Dp SKT 12Pt 11/32"
30412-TH	T@H 1/4Dr Dp SKT 12Pt 3/8"
30414-TH	T@H 1/4Dr Dp SKT 12Pt 7/16"
30416-TH	T@H 1/4Dr Dp SKT 12Pt 1/2"
30418-TH	T@H 1/4Dr Dp SKT 12Pt 9/16"
31142-TH	T@H 3/8Dr U-Jt SKT 12-PT 3/8
31144-TH	T@H 3/8Dr U-Jt SKT 12-PT 7/16
31146-TH	T@H 3/8Dr U-Jt SKT 12-PT 1/2
31148-TH	T@H 3/8Dr U-Jt SKT 12-PT 9/16
31150-TH	T@H 3/8Dr U-Jt SKT 12-PT 5/8
31152-TH	T@H 3/8Dr U-Jt SKT 12-PT 11/16
31154-TH	T@H 3/8Dr U-Jt SKT 12-PT 3/4
31208-TH	T@H 3/8Dr Std SKT 12Pt 1/4"
31210-TH	T@H 3/8Dr Std SKT 12Pt 5/16"
31212-TH	T@H 3/8Dr Std SKT 12 Pt 3/8"
31214-TH	T@H 3/8Dr Std SKT 12Pt 7/16"
31216-TH	T@H 3/8Dr Std SKT 12Pt 1/2"
31218-TH	T@H 3/8Dr Std SKT 12Pt 9/16"
31220-TH	T@H 3/8Dr Std SKT 12Pt 5/8"
31222-TH	T@H 3/8Dr Std SKT 12Pt 11/16"
31224-TH	T@H 3/8Dr Std SKT 12Pt 3/4"
31226-TH	T@H 3/8Dr Std SKT 12Pt 13/16"
31228-TH	T@H 3/8Dr Std SKT 12Pt 7/8"
31230-TH	T@H 3/8Dr Std SKT 12Pt 15/16"
31232-TH	T@H 3/8Dr Std SKT 12Pt 1"
31408-TH	T@H 3/8Dr Dp SKT 12Pt 1/4"
31410-TH	T@H 3/8Dr Dp SKT 12Pt 5/16"
31412-TH	T@H 3/8Dr Dp SKT 12Pt 3/8"
31414-TH	T@H 3/8Dr Dp SKT 12Pt 7/16"
31416-TH	T@H 3/8Dr Dp SKT 12Pt 1/2"
31418-TH	T@H 3/8Dr Dp SKT 12Pt 9/16"
31420-TH	T@H 3/8Dr Dp SKT 12Pt 5/8"
31422-TH	T@H 3/8Dr Dp SKT 12Pt11/16"
31424-TH	T@H 3/8Dr Dp SKT 12Pt 3/4"
31426-TH	T@H 3/8Dr Dp SKT 12Pt 13/16"
31428-TH	T@H 3/8Dr Dp SKT 12Pt 7/8"
31430-TH	T@H 3/8Dr Dp SKT 12Pt 5/16"
31432-TH	T@H 3/8Dr Dp SKT 12Pt 1"
319-TH	T@H HACKSAW FRAME ERGO/NEW
32212-TH	T@H 1/2Dr Std SKT 12Pt 3/8"
32214-TH	T@H 1/2Dr Std SKT 12Pt 7/16"
32216-TH	T@H 1/2Dr Std SKT 12Pt 1/2"
32218-TH	T@H 1/2Dr Std SKT 12Pt 9/16"
32220-TH	T@H 1/2Dr Std SKT 12Pt 5/8"
32222-TH	T@H 1/2Dr Std SKT 12Pt 11/16"
32224-TH	T@H 1/2Dr Std SKT 12Pt 3/4"
32226-TH	T@H 1/2Dr Std SKT 12Pt 13/16"
32228-TH	T@H 1/2Dr Std SKT 12Pt 7/8"
32230-TH	T@H 1/2Dr Std SKT 12Pt 15/16"
32232-TH	T@H 1/2Dr Std SKT 12Pt 1"
32234-TH	T@H 1/2Dr Std SKT 12Pt 1-1/16"
32236-TH	T@H 1/2Dr Std SKT 12Pt 1-1/8"
32238-TH	T@H 1/2Dr Std SKT 12Pt 1-3/16"
32240-TH	T@H 1/2Dr Std SKT 12Pt 1-1/4"
32242-TH	T@H 1/2Dr Std Skt 12Pt 1-5/16
32244-TH	T@H 1/2Dr Std Skt 12Pt 1-3/8
32246-TH	T@H 1/2Dr Std Skt 12Pt 1-7/16
32248-TH	T@H 1/2Dr Std SKT 12Pt 1-1/2"
32412-TH	T@H 1/2Dr Dp SKT 12Pt 3/8"
32414-TH	T@H 1/2Dr Dp SKT 12Pt 7/16"
32416-TH	T@H 1/2Dr Dp SKT 12Pt 1/2"
32418-TH	T@H 1/2Dr Dp SKT 12Pt 9/16"
32420-TH	T@H 1/2Dr Dp SKT 12Pt 5/8"
32422-TH	T@H 1/2Dr Dp SKT 12Pt 11/16"
32424-TH	T@H 1/2Dr Dp SKT 12Pt 3/4"
32426-TH	T@H 1/2Dr Dp SKT 12Pt 13/16"
32428-TH	T@H 1/2Dr Dp SKT 12Pt 7/8"
32430-TH	T@H 1/2Dr Dp SKT 12Pt 15/16"
32432-TH	T@H 1/2Dr Dp SKT 12Pt 1"
32434-TH	T@H 1/2Dr Dp SKT 12Pt 1-1/16"
32436-TH	T@H 1/2Dr Dp SKT 12Pt 1-1/8"
32438-TH	T@H 1/2Dr Dp SKT 12Pt 1-3/16"
32440-TH	T@H 1/2Dr Dp SKT 12Pt 1-1/4"
32442-TH	T@H 1/2Dri Dp Skt 12Pt 1-5/16
32444-TH	T@H 1/2Drive Dp Skt 12Pt 1-3/8
32446-TH	T@H 1/2Dri Dp Skt 12Pt 1-7/16
32448-TH	T@H 1/2Dr Dp SKT 12Pt 1-1/2"
33228-TH	T@H 3/4Dr Std SKT 12Pt 7/8"
33230-TH	T@H 3/4Dr Std SKT 12Pt 15/16"
33232-TH	T@H 3/4Dr Std SKT 12Pt 1"
33234-TH	T@H 3/4Dr Std SKT 12Pt 1-1/16
33236-TH	T@H 3/4Dr Std SKT 12Pt 1-1/8"
33238-TH	T@H 3/4Dr Std SKT 12Pt 1-3/16
33240-TH	T@H 3/4Dr Std SKT 12Pt 1-1/4"
33242-TH	T@H 3/4Dr Std SKT 12Pt 1-5/16
33244-TH	T@H 3/4Dr Std SKT 12Pt 1-3/8"
33246-TH	T@H 3/4Dr Std SKT 12Pt 1-7/16
33248-TH	T@H 3/4Dr Std SKT 12Pt 1-1/2"
33252-TH	T@H 3/4Dr Std SKT 12Pt 1-5/8"
33256-TH	T@H 3/4Dr Std SKT 12Pt 1-3/4"
33258-TH	T@H 3/4Dr Std SKT 12Pt 1-13/16
33260-TH	T@H 3/4Dr Std SKT 12Pt 1-7/8"
33264-TH	T@H 3/4Dr Std SKT 12Pt 2"
35100-TH	T@H 3/8" Dr Hex Bit Skt 1/8"
35101-TH	T@H 3/8" Dr Hex Bit Skt 9/64"
35102-TH	T@H 3/8" Dr Hex Bit Skt 5/32"
35103-TH	T@H 3/8" Dr Hex Bit Skt 3/16"
35104-TH	T@H 3/8" Dr Hex Bit Skt 7/32"
35105-TH	T@H 3/8" Dr Hex Bit Skt 1/4"
35106-TH	T@H 3/8" Dr Hex Bit Skt 5/16"
35107-TH	T@H 3/8" Dr Hex Bit Skt 3/8"
35202-TH	T@H 1/2" Dr Hex Bit Skt 1/2"
35203-TH	T@H 1/2" Dr Hex Bit Skt 9/16"
35204-TH	T@H 1/2" Dr Hex Bit Skt 5/8"
35206-TH	T@H 1/2" Dr Hex Bit Skt 3/4"
35208-TH	T@H 1/2" Dr Hex Bit Skt 1/4"
35210-TH	T@H 1/2" Dr Hex Bit Skt 5/16"
35212-TH	T@H 1/2" Dr Hex Bit Skt 3/8"
35214-TH	T@H 1/2" Dr Hex Bit Skt 7/16"
3716-TH	T@H Dbl OE Angle Wr 1/2
3718-TH	T@H Dbl OE Angle Wr 9/16
3720-TH	T@H Dbl OE Angle Wr 5/8
3722-TH	T@H Dbl OE Angle Wr 11/16
3724-TH	T@H Dbl OE Angle Wr 3/4
3726-TH	T@H Dbl OE Angle Wr 13/16
3728-TH	T@H Dbl OE Angle Wr 7/8
3732-TH	T@H Dbl OE Angle Wr 1
3734-TH	T@H Dbl OE Angle Wr 1 1/16
3736-TH	T@H Dbl OE Angle Wr 1 1/8
3740-TH	T@H Dbl OE Angle Wr 1 1/4
3744-TH	T@H Dbl OE Angle Wr 1 3/8
3746-TH	T@H Dbl OE Angle Wr 1 7/16
3748-TH	T@H Dbl OE Angle Wr 1 1/2
40000-TH	T@H SCRAPER
4-2F	1/2 DR IMPACT ADPR1/2 FX3/8
4-616	1/2 DR IMPACT SKT 6-PT 1/2
4-618	1/2 DR IMPACT SKT 6-PT 9/16
4-620	1/2 DR IMPACT SKT 6-PT 5/8
4-622	1/2 DR IMPACT SKT 6-PT 11/16
4-624	1/2 DR IMPACT SKT 6-PT 3/4
4-626	1/2 DR IMPACT SKT 6-PT 13/16
4-628	1/2 DR IMPACT SKT 6-PT 7/8
4-630	1/2 DR IMPACT SKT 6-PT 15/16
4-632	1/2 DR IMPACT SKT 6-PT 1
4-634	1/2 DR IMPACT SKT 6-PT 1-1/16
4-636	1/2 DR IMPACT SKT 6-PT 1-1/8
471-TH	T@H ADJ HOOK SPANNER 3/4 TO 2
472-TH	T@H ADJ HK SPANNER 1-1/4 TO 3
474A-TH	T@H ADJ HK SPNR 4-1/2 TO 6-1/2
474-TH	T@H ADJ HK SPANNER 2 TO 4-3/4
482-TH	T@H ADJ FACE SPANNER 2
483-TH	T@H ADJ FACE SPANNER 3
484-TH	T@H ADJ FACE SPANNER 4
6-4A	3/4DR IMPACT ADPR 3/4 FX1/2M
7029B-TH	T@H Box Wr, 12-Pt, 11/16 X 3/4
7033C-TH	T@H Box Wr, 12-Pt, 15/16 X 1
7038-TH	T@H Box Wr, 12-Pt 1-1/8x1-3/16
7039B-TH	T@H BoxWr 12-Pt 1-1/4 X 1-5/16
7723-TH	T@H BoxWr 12-Pt 3/8x7/16
7725B-TH	T@H Box Wr, 12-Pt, 1/2 X 9/16
7727A-TH	T@H Box Wr, 12-Pt, 5/8 X 11/16
7731B-TH	T@H Box Wr, 12-Pt, 13/16 X 7/8
900T-094-TH	T@H T HANDLE HEX 3/32
900T-109-TH	T@H T HANDLE HEX 7/64
900T-125-TH	T@H T HANDLE HEX 1/8
900T-141-TH	T@H T HANDLE HEX 9/64
900T-156-TH	T@H T HANDLE HEX 5/32
900T-188-TH	T@H T HANDLE HEX 3/16
900T-219-TH	T@H T HANDLE HEX 7/32
900T-250-TH	T@H T HANDLE HEX 1/4
900T-313-TH	T@H T HANDLE HEX.20 5/16"
900T-375-TH	T@H T HANDLE HEX.24 3/8"
AP-10A-TH	T@H 10 ADJ WR CHROME
AP-12A-TH	T@H 12 ADJ WR CHROME
AP-15A-TH	T@H 15 ADJ WR CHROME
AP-6A-TH	T@H 6 ADJ WR CHROME
AP-8A-TH	T@H 8 ADJ WR CHROME
B-108-TH	3/8 DR EXTENSION 3
B-110-TH	3/8 DR EXTENSION 6
B-115-TH	3/8 DR EXTENSION 10-1/2
B-140A-TH	3/8 DR UNIVERSAL JOINT
B-40A-TH	3/8 DR FLEX HANDLE
B-52EHA-TH	3/8 DR ENCLOSED HEAD RAT 8
B-52EHLA-TH	3/8 DR ENCL HEAD RAT 10-1/2
B-70-TH	3/8 DR RATCHET SPINNER
BKT-250HLV	Safe Bucket 250Lb Load Hk/Loop
C-10-TH	T@H Cold Chisel 5/16
C-12-TH	T@H Cold Chisel 3/8
C-15-TH	T@H COLD CHISEL 7/16
C-16-TH	T@H Cold Chisel 1/2
C-20-TH	T@H Cold Chisel 5/8
C-24-TH	T@H Cold Chisel 3/4
C-83-TH	T@H PINCH BAR 7/8 FLAT 19-5/8
C-84-TH	T@H PINCH BAR 1 FLAT 29 3/4
CC-402C-TH	T@H C-CLAMP COOPER SCREW 2
CC-404C-TH	T@H C-CLAMP COOPER SCREW 4
CW-4-TH	T@H CHAIN WRENCH
DR-1X3.5-10PK	D-Ring 10-Pack
EXT-HARDHAT-10PK	Hard Hat Tether 10-Pack
FL1-TH	T@H Flashlight
GS-1-TH	T@H MASTER FEELER GAUGE SET
GS-3-TH	T@H COMB FEELER GAUGE SET
H-110-TH	T@H 3/4 DR. EXTENSION, 8
H-115-TH	T@H 3/4 DR EXTENSION 15-1/2
H-41AA-TH	T@H 3/4 DR FLEX HANDLE CHROME
H-51B-TH	T@H 3/4 DR RATCHET
HOL-1TOOLBLTRET	SHRINK LINK 1.5 x 3" - 25 PACK
HOL-2TOOLBLTRET	SHRINK LINK 1" x 1.75" 25 PACK
HOL-TAPERET	Tape Meas Holster W/Retractor
HPD-1-TH	T@H Power Dr HAMMER 1 Lb
HPD-2-TH	T@H Power Dr HAMMER 2 Lb
HPD-3-TH	T@H Power Dr HAMMER 3 Lb
HPD-4-TH	T@H Power Dr HAMMER 4 Lb
HSB-1.5A-TH	T@H 1.5# BRZ HAMMER 10" FBRGLS
IM1-TH	T@H Inspection Mirror
M-102-TH	T@H 1/4 DR EXTENSION 2
M-104-TH	T@H 1/4 DR. EXTENSION, 4
M-115-TH	T@H 1/4 DR EXTENSION 6
M-140A-TH	T@H 1/4 DR. UNIVERSAL JOINT
M-52EHA-TH	T@H 1/4 Dr Ratchet
O-471-TH	T@H ADJ PIN SPANNER 3/4 TO 2
O-472-TH	T@H ADJ PIN SPANNER 1-1/4 TO 3
O-474A-TH	T@H ADJ PIN SPNR 4-1/2 TO 6-1
O-474-TH	T@H ADJ PIN SPANNER 2 TO 4-3/4
P-10-TH	T@H Pin Punch 5/16 Point 6
P-14-TH	T@H Solid Punch 1/8 Point 5
P-15-TH	T@H Solid Punch 5/32 Point 5
P-16-TH	T@H Solid Punch 3/16 Point 5
P-17-TH	T@H SOLID PUNCH 1/4 POINT 5
P-18-TH	T@H SOLID PUNCH 3/8 POINT 5
P-38-TH	T@H CENTER PUNCH 1/4 PT 3-7/8
P-39-TH	T@H CENTER PUNCH 5/16 PT 4-1/4
P-40-TH	T@H Center Punch 3/8 Point 5
P-4-TH	T@H Pin Punch 1/8 Point 4-3/4
P-5-TH	T@H PIN PUNCH 5/32 POINT 5
P-6-TH	T@H Pin Punch 3/16 Point 5-1/4
P-8-TH	T@H Pin Punch 1/4 Point 5-3/4
PCH-PARTS-CC	SMALL PARTS POUCH - CANVAS
PCH-TOOLTRIG	Tool Pouch W/ Triggers (Belt)
PL-126C-TH	CURVED CHAIN NOSE PLIERS 6-1/4
PL-149C-TH	DUCKBILL PLIERS, SHORT NOSE, 8
PL-1519C-TH	T@H Utility SPJT Pliers, 5
PL-1520C-TH	T@H Utility SPJT Pliers, 10
PL-1523C-TH	T@H Utility SPJT Pliers, 12
PL-1524C-TH	T@H Utility SPJT Pliers, 16
PL-47C-TH	T@H DIAG. CUT PLIERS, REG., 7
PL-57C-TH	T@H DIAG. CUT PLIERS, HI LVRG,
PL-8C-TH	T@H COMB. SLIP-JOINT PLIERS, 8
QW-HDBLU1-10PK	Quick-Wrap Tape 10-Pack
RB-1214-TH	T@H RAT BOX WRCH 6PT 3/8X7/16
RB-1618-TH	T@H RAT BOX WRCH 6-PT 1/2X9/16
RB-2022-TH	T@H RAT BOX WRCH 12-PT 5/8X11
RB-2428-TH	T@H RAT BOX WRCH 12-PT 3/4X7/8
RB-810-TH	T@H RAT BOX WRCH,6-PT 1/4X5/16
S-102P-TH	T@H 1/2 DR EXTENSION 2
S-110P-TH	T@H 1/2 DR EXTENSION 5-1/2
S-115P-TH	T@H 1/2 DR EXTENSION 10
S-140A-TH	T@H 1/2 DR UNIVERSAL JOINT
S-41AA-TH	T@H 1/2 Dr Flex Handle 15-1/2
S-52EHA-TH	T@H 1/2 Dr Encl Hd Rat 10-3/8
SDE-43-TH	T@H SCREWDRIVER ELECTR 3
SDP-1-3-TH	T@H #1 X 3 Phillips Scrdr
SDP-2-4-TH	T@H #2 X 4 Phillips Scrdr
SDP-2-8-TH	T@H #2 X 8 Phillips Scrdr
SDP-3-6-TH	T@H #3 X 6 Phillips Scrdr
SDR-22-TH	T@H 3/16 X 3 Rd Slot Scrdr
SDR-24-TH	T@H 1/4 X 4 Rd Slot Scrdr
SDR-26-TH	T@H 5/16 X 6 Rd Slot Scrdr
SDR-28-TH	T@H 3/8 X 8 Rd Slot Scrdr
SDR-30-TH	T@H 7/16 X 10 Rd Slot Scrdr
SDS-62-TH	T@H STUBBY SLOTTED 1-1/2 X 1/4
SOTTHFSN25100	T@H Torpedo Level
SOTTHFSNE3-22SM	T@H Claw Hammer
SOTTHTTMA25EM	T@H TAPE MEASURE
ST-812-TH	T@H 1/2 DR STD SKT 8-PT 3/8
ST-814-TH	T@H 1/2 DR STD SKT 8-PT 7/16
ST-816-TH	T@H 1/2 DR STD SKT 8-PT 1/2

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Tools@Height Set WSC-409-THTB (con't)

Product Code	Description
ST-818-TH	T@H 1/2 DR STD SKT 8-PT 9/16
ST-820-TH	T@H 1/2 DR STD SKT 8-PT 5/8
ST-822-TH	T@H 1/2 DR STD SKT 8-PT 11/16
ST-824-TH	T@H 1/2 DR STD SKT 8-PT 3/4
ST-826-TH	T@H 1/2 DR STD SKT 8-PT 13/16
ST-828-TH	T@H 1/2 DR STD SKT 8-PT 7/8
ST-830-TH	T@H 1/2 DR STD SKT 8-PT 15/16
ST-832-TH	T@H 1/2 DR STD SKT 8-PT 1

Product Code	Description
VR-2ATTACHMD	Tool Cinch
W40RC7	40" ROLLER CABINET 7 DRAWERS
W40TC4	40" TOP CHEST WITH 4 DRAWERS
WS-45-TH	FOLDING HEX KEY SET
WS-46-TH	T@H Hex Key Set, 9-Pcs
WTHCARA15	3/4" Tether W 2 Sst Carabiners
WTHCARA25	1" Tether W 2 Sst Carabiners
WTHCARA30	Hd Lanyard W 2 Sst Carabiners

Product Code	Description
WTHL1	Web Strap Tether W/2 Snp Hooks
WTHL2	Web Strap Teth W/1 Hook 1/Loop
WTHPRT	T@H Pin Release Tool
WTHRET1CLIPS	Bag Of 25 Clips For Wthuniret1
WTHRET2CLIPS	Bag Of 25 Clips For Wthuniret2
WTHUNIRET1	Retract Teth W Universal Loop
WTHUNIRET2	Retract Teth W Universal Loop
WTHWS1	Adj Wrist Strap W/ D Ring

Product Code	Description
XFN-0810-TH	T@H Flr Nut Wrench 1/4 X 5/16"
XFN-1214-TH	T@H Flr Nut Wr, 3/8 X 7/16
XFN-1618-TH	T@H Flr Nut Wr, 1/2 X 9/16
XFN-2022-TH	T@H Flr Nut Wr, 5/8 X 11/16
XFN-2432-TH	T@H Flr Nut Wr, 3/4 X 1

Contents: Tools@Height Set WSC-225-THTB

Refer to Master Sets Section Page 15 for Photo and Description

Note: WSC-225-TH Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description
1-143-08-1-2-TH	T@H 8" Mill File W/Handle
1180-TH	T@H COMB WRENCH 12PT 1-5/8
1-210-08-2-2-TH	T@H 8" Half Rd File W/Handle
1210SC-TH	T@H Comb Wrench 12Pt 5/16
1212RC-TH	T@H Rat Comb Wrench 12Pt 3/8"
1212SC-TH	T@H SC Comb Wrench 12-Pt 3/8
1214RC-TH	T@H Rat Comb Wrench 12Pt 7/16"
1214SC-TH	T@H SC Comb Wrench 12 Pt 7/16
1216RC-TH	T@H Rat Comb Wrench 12Pt 1/2"
1216SC-TH	T@H SC Comb Wrench 12 Pt 1/2
1218RC-TH	T@H Rat Comb Wrench 12Pt 9/16"
1218SC-TH	T@H SC Comb Wrench 12 Pt 9/16
1220RC-TH	T@H Rat Comb Wrench 12Pt 5/8"
1220SC-TH	T@H SC Comb Wrench 12 Pt 5/8
1222RC-TH	T@H Rat Comb Wrench 12Pt 11/16
1222SC-TH	T@H SC Comb Wrench 12 Pt 11/16
1224RC-TH	T@H Rat Comb Wrench 12Pt 3/4"
1224SC-TH	T@H SC Comb Wrench 12 Pt 3/4
1226SC-TH	T@H SC Comb Wrench 12 Pt 13/16
1228SC-TH	T@H SC Comb Wrench 12 Pt 7/8
1-230-08-2-2-TH	T@H 8" Round File W/Handle
1230SC-TH	T@H Sc Comb Wrench 12 Pt 15/16
1232SC-TH	T@H Sc Comb Wrench 12 Pt. 1
1234SC-TH	T@H Sc Comb Wrench 12-Pt 1-1/16
1236SC-TH	T@H Sc Comb Wrench 12-Pt 1-1/8
1240SC-TH	T@H Sc Comb Wrench 12-Pt 1-1/4
1242-TH	T@H COMB WRCH 12PT 1-5/16
1244-TH	T@H COMB WRCH 12PT 1-3/8
1246-TH	T@H COMB WRCH 12PT 1-7/16
1248-TH	T@H COMB WRENCH 12PT 1-1/2
12-610	3/8 DR DEEP IMP SKT 6-PT 5/16
1-476-04-3-2-TH	T@H SET 4" FILES WITH HANDLES
20542-TH	T@H 8 Oz BL PN Fbgl Hdl Hammr
20544-TH	T@H 16 Oz BL PN Hammer
20545-TH	T@H 24 Oz BL PN Hammer
20678-TH	T@H 32 Oz Drilling Hammer
23303-TH	T@H CURV LCK PLIERS W/CUTR 10"
23321-TH	T@H CLMP LCK PLIER REG TIP 11"
23503-TH	T@H FRT END STRIP-CUT/CRIMPER
23506-TH	T@H HD Stripper/Cutter 10-20
2535L-TH	T@H BAHCO MAGNETC PICK-UP TOOL
28201-TH	T@H AVIATION SNIPS LEFT CUT
28203-TH	T@H AVIATION SNIPS RIGHT CUT
28205-TH	T@H AVIATION SNIP STRAIGHT CUT
28449-TH	T@H PUNCH / CHISEL HOLDER
30206-TH	T@H 1/4Dr Std SKT 12Pt 3/16"
30207-TH	T@H 1/4Dr Std SKT 12Pt 7/32"
30208-TH	T@H 1/4Dr Std SKT 12Pt 1/4"
30209-TH	T@H 1/4Dr Std SKT 12Pt 9/32"
30210-TH	T@H 1/4Dr Std SKT 12Pt 5/16"
30211-TH	T@H 1/4Dr Std SKT 12Pt 11/32"
30212-TH	T@H 1/4Dr Std SKT 12Pt 3/8"
30214-TH	T@H 1/4Dr Std SKT 12Pt 7/16"
30216-TH	T@H 1/4Dr Std SKT 12Pt 1/2"
30218-TH	T@H 1/4Dr Std SKT 12Pt 9/16"
30406-TH	T@H 1/4Dr Dp SKT 12Pt 3/16"
30407-TH	T@H 1/4Dr Dp SKT 12Pt 7/32"

Product Code	Description
30408-TH	T@H 1/4Dr Dp SKT 12Pt 1/4"
30409-TH	T@H 1/4Dr Dp SKT 12Pt 9/32"
30410-TH	T@H 1/4Dr Dp SKT 12Pt 5/16"
30411-TH	T@H 1/4Dr Dp SKT 12Pt 11/32"
30412-TH	T@H 1/4Dr Dp SKT 12Pt 3/8"
30414-TH	T@H 1/4Dr Dp SKT 12Pt 7/16"
30416-TH	T@H 1/4Dr Dp SKT 12Pt 1/2"
30418-TH	T@H 1/4Dr Dp SKT 12Pt 9/16"
31142-TH	T@H 3/8Dr U-Jt SKT 12-PT 3/8
31144-TH	T@H 3/8Dr U-Jt SKT 12-PT 7/16
31146-TH	T@H 3/8Dr U-Jt SKT 12-PT 1/2
31148-TH	T@H 3/8Dr U-Jt SKT 12-PT 9/16
31150-TH	T@H 3/8Dr U-Jt SKT 12-PT 5/8
31152-TH	T@H 3/8Dr U-Jt SKT 12-PT 11/16
31154-TH	T@H 3/8Dr U-Jt SKT 12-PT 3/4
31208-TH	T@H 3/8Dr Std SKT 12Pt 1/4"
31210-TH	T@H 3/8Dr Std SKT 12Pt 5/16"
31212-TH	T@H 3/8Dr Std SKT 12 Pt 3/8"
31214-TH	T@H 3/8Dr Std SKT 12Pt 7/16"
31216-TH	T@H 3/8Dr Std SKT 12Pt 1/2"
31218-TH	T@H 3/8Dr Std SKT 12Pt 9/16"
31220-TH	T@H 3/8Dr Std SKT 12Pt 5/8"
31222-TH	T@H 3/8Dr Std SKT 12Pt 11/16"
31224-TH	T@H 3/8Dr Std SKT 12Pt 3/4"
31226-TH	T@H 3/8Dr Std SKT 12Pt 13/16"
31228-TH	T@H 3/8Dr Std SKT 12Pt 7/8"
31230-TH	T@H 3/8Dr Std SKT 12Pt 15/16"
31232-TH	T@H 3/8Dr Std SKT 12Pt 1"
31408-TH	T@H 3/8Dr Dp SKT 12Pt 1/4"
31410-TH	T@H 3/8Dr Dp SKT 12Pt 5/16"
31412-TH	T@H 3/8Dr Dp SKT 12Pt 3/8"
31414-TH	T@H 3/8Dr Dp SKT 12Pt 7/16"
31416-TH	T@H 3/8Dr Dp SKT 12Pt 1/2"
31418-TH	T@H 3/8Dr Dp SKT 12Pt 9/16"
31420-TH	T@H 3/8Dr Dp SKT 12Pt 5/8"
31422-TH	T@H 3/8Dr Dp SKT 12Pt11/16"
31424-TH	T@H 3/8Dr Dp SKT 12Pt 3/4"
31426-TH	T@H 3/8Dr Dp SKT 12Pt 13/16"
31428-TH	T@H 3/8Dr Dp SKT 12Pt 7/8"
31430-TH	T@H 3/8Dr Dp SKT 12Pt 5/16"
31432-TH	T@H 3/8Dr Dp SKT 12Pt 1"
319-TH	T@H HACKSAW FRAME ERGO/NEW
32212-TH	T@H 1/2Dr Std SKT 12Pt 3/8"
32214-TH	T@H 1/2Dr Std SKT 12Pt 7/16"
32216-TH	T@H 1/2Dr Std SKT 12Pt 1/2"
32218-TH	T@H 1/2Dr Std SKT 12Pt 9/16"
32220-TH	T@H 1/2Dr Std SKT 12Pt 5/8"
32222-TH	T@H 1/2Dr Std SKT 12Pt 11/16"
32224-TH	T@H 1/2Dr Std SKT 12Pt 3/4"
32226-TH	T@H 1/2Dr Std SKT 12Pt 13/16"
32228-TH	T@H 1/2Dr Std SKT 12Pt 7/8"
32230-TH	T@H 1/2Dr Std SKT 12Pt 15/16"
32232-TH	T@H 1/2Dr Std SKT 12Pt 1"
32234-TH	T@H 1/2Dr Std SKT 12Pt 1-1/16"
32236-TH	T@H 1/2Dr Std SKT 12Pt 1-1/8"
32238-TH	T@H 1/2Dr Std SKT 12Pt 1-3/16"
32240-TH	T@H 1/2Dr Std SKT 12Pt 1-1/4"

Product Code	Description
32242-TH	T@H 1/2Dr Std Skt 12Pt 1-5/16
32244-TH	T@H 1/2Dr Std Skt 12Pt 1-3/8
32246-TH	T@H 1/2Dr Std Skt 12Pt 1-7/16
32248-TH	T@H 1/2Dr Std SKT 12Pt 1-1/2"
35100-TH	T@H 3/8" Dr Hex Bit Skt 1/8"
35101-TH	T@H 3/8" Dr Hex Bit Skt 9/64"
35102-TH	T@H 3/8" Dr Hex Bit Skt 5/32"
35103-TH	T@H 3/8" Dr Hex Bit Skt 3/16"
35104-TH	T@H 3/8" Dr Hex Bit Skt 7/32"
35105-TH	T@H 3/8" Dr Hex Bit Skt 1/4"
35106-TH	T@H 3/8" Dr Hex Bit Skt 5/16"
35107-TH	T@H 3/8" Dr Hex Bit Skt 3/8"
3716-TH	T@H Dbl OE Angle Wr 1/2
3718-TH	T@H Dbl OE Angle Wr 9/16
3720-TH	T@H Dbl OE Angle Wr 5/8
3722-TH	T@H Dbl OE Angle Wr 11/16
3724-TH	T@H Dbl OE Angle Wr 3/4
3726-TH	T@H Dbl OE Angle Wr 13/16
3728-TH	T@H Dbl OE Angle Wr 7/8
3732-TH	T@H Dbl OE Angle Wr 1
3734-TH	T@H Dbl OE Angle Wr 1 1/16
3736-TH	T@H Dbl OE Angle Wr 1 1/8
3740-TH	T@H Dbl OE Angle Wr 1 1/4
3744-TH	T@H Dbl OE Angle Wr 1 3/8
3746-TH	T@H Dbl OE Angle Wr 1 7/16
3748-TH	T@H Dbl OE Angle Wr 1 1/2
40000-TH	T@H SCRAPER
7029B-TH	T@H Box Wr, 12-Pt, 11/16 X 3/4
7723-TH	T@H BoxWr 12-Pt 3/8x7/16
7725B-TH	T@H Box Wr, 12-Pt, 1/2 X 9/16
7727A-TH	T@H Box Wr, 12-Pt, 5/8 X 11/16
AP-12A-TH	T@H 12 ADJ WR CHROME
AP-15A-TH	T@H 15 ADJ WR CHROME
AP-8A-TH	T@H 8 ADJ WR CHROME
B-108-TH	3/8 DR EXTENSION 3
B-110-TH	3/8 DR EXTENSION 6
B-115-TH	3/8 DR EXTENSION 10-1/2
B-140A-TH	3/8 DR UNIVERSAL JOINT
B-40A-TH	3/8 DR FLEX HANDLE
B-52EHA-TH	3/8 DR ENCLOSED HEAD RAT 8
B-52EHLA-TH	3/8 DR ENCL HEAD RAT 10-1/2
BKT-250HLV	Safe Bucket 250Lb Load Hk/Loop
C-12-TH	T@H Cold Chisel 3/8
C-16-TH	T@H Cold Chisel 1/2
C-24-TH	T@H Cold Chisel 3/4
C-83-TH	T@H PINCH BAR 7/8 FLAT 19-5/8
CW-4-TH	T@H CHAIN WRENCH
DR-1X3.5-10PK	D-Ring 10-Pack
EXT-HARDHAT-10PK	Hard Hat Tether 10-Pack
FL1-TH	T@H Flashlight
GS-3-TH	T@H COMB FEELER GAUGE SET
HOL-1TOOLBLTRET	SHRINK LINK 1.5 x 3" - 25 PACK
HOL-2TOOLBLTRET	SHRINK LINK 1" x 1.75" 25 PACK
HOL-TAPERET	Tape Meas Holster W/Retractor
HPD-1-TH	T@H Power Dr HAMMER 1 Lb
HPD-2-TH	T@H Power Dr HAMMER 2 Lb
HPD-3-TH	T@H Power Dr HAMMER 3 Lb

Product Code	Description
IM1-TH	T@H Inspection Mirror
M-104-TH	T@H 1/4 DR. EXTENSION, 4
M-140A-TH	T@H 1/4 DR. UNIVERSAL JOINT
M-52EHA-TH	T@H 1/4 Dr Ratchet
P-10-TH	T@H Pin Punch 5/16 Point 6
P-14-TH	T@H Solid Punch 1/8 Point 5
P-16-TH	T@H Solid Punch 3/16 Point 5
P-18-TH	T@H SOLID PUNCH 3/8 POINT 5
P-39-TH	T@H CENTER PUNCH 5/16 PT 4-1/4
P-40-TH	T@H Center Punch 3/8 Point 5
P-4-TH	T@H Pin Punch 1/8 Point 4-3/4
P-6-TH	T@H Pin Punch 3/16 Point 5-1/4
PCH-PARTS-CC	SMALL PARTS POUCH - CANVAS
PCH-TOOLTRIG	Tool Pouch W/ Triggers (Belt)
PL-149C-TH	DUCKBILL PLIERS, SHORT NOSE, 8
PL-1519C-TH	T@H Utility SPJT Pliers, 5
PL-1520C-TH	T@H Utility SPJT Pliers, 10
PL-47C-TH	T@H DIAG. CUT PLIERS, REG., 7
PL-57C-TH	T@H DIAG. CUT PLIERS, HI LVRG,
PL-8C-TH	T@H COMB. SLIP-JOINT PLIERS, 8
QW-HDBLU1-10PK	Quick-Wrap Tape 10-Pack
S-102P-TH	T@H 1/2 DR EXTENSION 2
S-110P-TH	T@H 1/2 DR EXTENSION 5-1/2
S-115P-TH	T@H 1/2 DR EXTENSION 10
S-140A-TH	T@H 1/2 DR UNIVERSAL JOINT
S-41AA-TH	T@H 1/2 Dr Flex Handle 15-1/2
S-52EHA-TH	T@H 1/2 Dr Encl Hd Rat 10-3/8
SDE-43-TH	T@H SCREWDRIVER ELECTR 3
SDP-1-3-TH	T@H #1 X 3 Phillips Scrdr
SDP-2-4-TH	T@H #2 X 4 Phillips Scrdr
SDP-2-8-TH	T@H #2 X 8 Phillips Scrdr
SDR-22-TH	T@H 3/16 X 3 Rd Slot Scrdr
SDR-24-TH	T@H 1/4 X 4 Rd Slot Scrdr
SDR-26-TH	T@H 5/16 X 6 Rd Slot Scrdr
SDR-28-TH	T@H 3/8 X 8 Rd Slot Scrdr
SOTTHFSN25100	T@H Torpedo Level
SOTTHTTMA25EM	T@H TAPE MEASURE
VR-2ATTACHMD	Tool Cinch
W26RC7	26" ROLLER CABINET 7 DRAWERS
W26TC4	26" TOP CHEST WITH 4 DRAWERS
WS-45-TH	FOLDING HEX KEY SET
WS-46-TH	T@H Hex Key Set, 9-Pcs
WTHCARA15	3/4" Tether W 2 Sst Carabiners
WTHCARA25	1" Tether W 2 Sst Carabiners
WTHCARA30	Hd Lanyard W 2 Sst Carabiners
WTHL1	Web Strap Tether W/2 Snp Hooks
WTHL2	Web Strap Teth W/1 Hook 1/Loop
WTHPRT	T@H Pin Release Tool
WTHPRT	Pin Release Tool - Sq Dr Tools
WTHRET1CLIPS	Bag Of 25 Clips For Wthuniret1
WTHRET2CLIPS	Bag Of 25 Clips For Wthuniret2
WTHUNIRET1	Retract Teth W Universal Loop
WTHUNIRET2	Retract Teth W Universal Loop
WTHWS1	Adj Wrist Strap W/ D Ring

Contents: Tools@Height Set WSC-116-THTB

Refer to Master Sets Section Page 16 for Photo and Description

Note: WSC-116-TH Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description
1-210-08-2-2-TH	T@H 8" Half Rd File W/Handle
1210SC-TH	T@H Comb Wrench 12Pt 5/16
1212SC-TH	T@H SC Comb Wrench 12-Pt 3/8
1214SC-TH	T@H SC Comb Wrench 12 Pt 7/16
1216SC-TH	T@H SC Comb Wrench 12 Pt 1/2
1218SC-TH	T@H SC Comb Wrench 12 Pt 9/16
1220SC-TH	T@H SC Comb Wrench 12 Pt 5/8
1222SC-TH	T@H SC Comb Wrench 12 Pt 11/16
1224SC-TH	T@H SC Comb Wrench 12 Pt 3/4

Product Code	Description
1226SC-TH	T@H SC Comb Wrench 12 Pt 13/16
1228SC-TH	T@H SC Comb Wrench 12 Pt 7/8
1230SC-TH	T@H Sc Comb Wrench 12 Pt 15/16
1232SC-TH	T@H Sc Comb Wrench 12 Pt. 1
1234SC-TH	T@H Sc Comb Wrench 12-Pt 1-1/16
1236SC-TH	T@H Sc Comb Wrench 12-Pt 1-1/8
1240SC-TH	T@H Sc Comb Wrench 12-Pt 1-1/4
20543-TH	T@H 12 Oz BL PN Fbgl Hdl Hammr
20545-TH	T@H 24 Oz BL PN Hammer

Product Code	Description
23303-TH	T@H CURV LCK PLIERS W/CUTR 10"
23503-TH	T@H FRT END STRIP-CUT/CRIMPER
23506-TH	T@H HD Stripper/Cutter 10-20
2535L-TH	T@H BAHCO MAGNETC PICK-UP TOOL
31208-TH	T@H 3/8Dr Std SKT 12Pt 1/4"
31210-TH	T@H 3/8Dr Std SKT 12Pt 5/16"
31212-TH	T@H 3/8Dr Std SKT 12 Pt 3/8"
31214-TH	T@H 3/8Dr Std SKT 12Pt 7/16"
31216-TH	T@H 3/8Dr Std SKT 12Pt 1/2"

Product Code	Description
31218-TH	T@H 3/8Dr Std SKT 12Pt 9/16"
31220-TH	T@H 3/8Dr Std SKT 12Pt 5/8"
31222-TH	T@H 3/8Dr Std SKT 12Pt 11/16"
31224-TH	T@H 3/8Dr Std SKT 12Pt 3/4"
31226-TH	T@H 3/8Dr Std SKT 12Pt 13/16"
31228-TH	T@H 3/8Dr Std SKT 12Pt 7/8"
31230-TH	T@H 3/8Dr Std SKT 12Pt 15/16"
31232-TH	T@H 3/8Dr Std SKT 12Pt 1"
32212-TH	T@H 1/2Dr Std SKT 12Pt 3/8"

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Tools@Height Set WSC-116-THTB (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
32214-TH	T@H 1/2Dr Std SKT 12Pt 7/16"	50950	JOB SITE BOX 32"	P-15-TH	T@H Solid Punch 5/32 Point 5	SDR-24-TH	T@H 1/4 X 4 Rd Slot Scrdr
32216-TH	T@H 1/2Dr Std SKT 12Pt 1/2"	AP-10A-TH	T@H 10 ADJ WR CHROME	P-40-TH	T@H Center Punch 3/8 Point 5	SDR-26-TH	T@H 5/16 X 6 Rd Slot Scrdr
32218-TH	T@H 1/2Dr Std SKT 12Pt 9/16"	AP-6A-TH	T@H 6 ADJ WR CHROME	P-4-TH	T@H Pin Punch 1/8 Point 4-3/4	SDR-28-TH	T@H 3/8 X 8 Rd Slot Scrdr
32220-TH	T@H 1/2Dr Std SKT 12Pt 5/8"	B-108-TH	3/8 DR EXTENSION 3	P-6-TH	T@H Pin Punch 3/16 Point 5-1/4	SDS-62-TH	T@H STUBBY SLOTTED 1-1/2 X 1/4
32222-TH	T@H 1/2Dr Std SKT 12Pt 11/16"	B-110-TH	3/8 DR EXTENSION 6	P-8-TH	T@H Pin Punch 1/4 Point 5-3/4	SOTTHFSN25100	T@H Torpedo Level
32224-TH	T@H 1/2Dr Std SKT 12Pt 3/4"	B-40A-TH	3/8 DR FLEX HANDLE	PCH-PARTS-CC	SMALL PARTS POUCH - CANVAS	SOTTHTTMA25EM	T@H TAPE MEASURE
32226-TH	T@H 1/2Dr Std SKT 12Pt 13/16"	B-52EHA-TH	3/8 DR ENCLOSED HEAD RAT 8	PCH-TOOLTRIG	Tool Pouch W/ Triggers (Belt)	VR-2ATTACHMD	Tool Cinch
32228-TH	T@H 1/2Dr Std SKT 12Pt 7/8"	BKT-250HLV	Safe Bucket 250Lb Load Hk/Loop	PL-1519C-TH	T@H Utility SPJT Pliers, 5	WS-46-TH	T@H Hex Key Set, 9-Pcs
32230-TH	T@H 1/2Dr Std SKT 12Pt 15/16"	C-10-TH	T@H Cold Chisel 5/16	PL-1520C-TH	T@H Utility SPJT Pliers, 10	WTHCARA15	3/4" Tether W 2 Sst Carabiners
32232-TH	T@H 1/2Dr Std SKT 12Pt 1"	C-16-TH	T@H Cold Chisel 1/2	PL-46C-TH	T@H Diag. Ctting Plrs, Reg., 6	WTHCARA25	1" Tether W 2 Sst Carabiners
32234-TH	T@H 1/2Dr Std SKT 12Pt 1-1/16"	DR-1X3.5-10PK	D-Ring 10-Pack	PL-76C-TH	T@H Chn Nse Plrs Lg Nse, 6-1/2	WTHCARA30	Hd Lanyard W 2 Sst Carabiners
32236-TH	T@H 1/2Dr Std SKT 12Pt 1-1/8"	EXT-HARDHAT-10PK	Hard Hat Tether 10-Pack	PL-8C-TH	T@H COMB. SLIP-JOINT PLIERS, 8	WTHL1	Web Strap Tether W/2 Snp Hooks
32240-TH	T@H 1/2Dr Std SKT 12Pt 1-1/4"	FL1-TH	T@H Flashlight	QW-HDBLU1-10PK	Quick-Wrap Tape 10-Pack	WTHL2	Web Strap Teth W/1 Hook 1/Loop
3718-TH	T@H Dbl OE Angle Wr 9/16	GS-1-TH	T@H MASTER FEELER GAUGE SET	S-102P-TH	T@H 1/2 DR EXTENSION 2	WTHPRT	T@H Pin Release Tool
3720-TH	T@H Dbl OE Angle Wr 5/8	HOL-1TOOLBLTRET	SHRINK LINK 1.5 x 3" - 25 PACK	S-110P-TH	T@H 1/2 DR EXTENSION 5-1/2	WTHPRT	Pin Release Tool - Sq Dr Tools
3722-TH	T@H Dbl OE Angle Wr 11/16	HOL-2TOOLBLTRET	SHRINK LINK 1" x 1.75" 25 PACK	S-115P-TH	T@H 1/2 DR EXTENSION 10	WTHRET1CLIPS	Bag Of 25 Clips For Wthuniret1
3724-TH	T@H Dbl OE Angle Wr 3/4	HOL-TAPERET	Tape Meas Holster W/Retractor	S-140A-TH	T@H 1/2 DR UNIVERSAL JOINT	WTHRET2CLIPS	Bag Of 25 Clips For Wthuniret2
3726-TH	T@H Dbl OE Angle Wr 13/16	HPD-1-TH	T@H Power Dr HAMMER 1 Lb	S-52EHA-TH	T@H 1/2 Dr Encl Hd Rat 10-3/8	WTHUNIRET1	Retract Teth W Universal Loop
3728-TH	T@H Dbl OE Angle Wr 7/8	HPD-3-TH	T@H Power Dr HAMMER 3 Lb	SDP-2-4-TH	T@H #2 X 4 Phillips Scrdr	WTHUNIRET2	Retract Teth W Universal Loop
3732-TH	T@H Dbl OE Angle Wr 1	IM1-TH	T@H Inspection Mirror	SDP-3-6-TH	T@H #3 X 6 Phillips Scrdr	WTHWS1	Adj Wrist Strap W/ D Ring

Contents: Tools@Height Set WSC-72-TH

Refer to Master Sets Section Page 17 for Photo and Description

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1208SC-TH	T@H Comb Wrench 12Pt 1/4	31208-TH	T@H 3/8Dr Std SKT 12Pt 1/4"	BKT-250HLV	Safe Bucket 250Lb Load Hk/Loop	SDP-2-4-TH	T@H #2 X 4 Phillips Scrdr
1-210-08-2-2-TH	T@H 8" Half Rd File W/Handle	31210-TH	T@H 3/8Dr Std SKT 12Pt 5/16"	C-12-TH	T@H Cold Chisel 3/8	SDR-24-TH	T@H 1/4 X 4 Rd Slot Scrdr
1210SC-TH	T@H Comb Wrench 12Pt 5/16	31212-TH	T@H 3/8Dr Std SKT 12 Pt 3/8"	DR-1X3.5-10PK	D-Ring 10-Pack	SDR-26-TH	T@H 5/16 X 6 Rd Slot Scrdr
1212SC-TH	T@H SC Comb Wrench 12-Pt 3/8	31214-TH	T@H 3/8Dr Std SKT 12Pt 7/16"	EXT-HARDHAT-10PK	Hard Hat Tether 10-Pack	SOTTHFSN25100	T@H Torpedo Level
1214SC-TH	T@H SC Comb Wrench 12 Pt 7/16	31216-TH	T@H 3/8Dr Std SKT 12Pt 1/2"	FL1-TH	T@H Flashlight	SOTTHTTMA25EM	T@H TAPE MEASURE
1216SC-TH	T@H SC Comb Wrench 12 Pt 1/2	31218-TH	T@H 3/8Dr Std SKT 12Pt 9/16"	HOL-1TOOLBLTRET	SHRINK LINK 1.5 x 3" - 25 PACK	WS-45-TH	FOLDING HEX KEY SET
1218SC-TH	T@H SC Comb Wrench 12 Pt 9/16	31220-TH	T@H 3/8Dr Std SKT 12Pt 5/8"	HOL-2TOOLBLTRET	SHRINK LINK 1" x 1.75" 25 PACK	WTHCARA15	3/4" Tether W 2 Sst Carabiners
1220SC-TH	T@H SC Comb Wrench 12 Pt 5/8	31222-TH	T@H 3/8Dr Std SKT 12Pt 11/16"	HOL-TAPERET	Tape Meas Holster W/Retractor	WTHCARA25	1" Tether W 2 Sst Carabiners
1222SC-TH	T@H SC Comb Wrench 12 Pt 11/16	31224-TH	T@H 3/8Dr Std SKT 12Pt 3/4"	HPD-1-TH	T@H Power Dr HAMMER 1 Lb	WTHCARA30	Hd Lanyard W 2 Sst Carabiners
1224SC-TH	T@H SC Comb Wrench 12 Pt 3/4	31226-TH	T@H 3/8Dr Std SKT 12Pt 13/16"	IM1-TH	T@H Inspection Mirror	WTHL1	Web Strap Tether W/2 Snp Hooks
1226SC-TH	T@H SC Comb Wrench 12 Pt 13/16	31228-TH	T@H 3/8Dr Std SKT 12Pt 7/8"	P-38-TH	T@H CENTER PUNCH 1/4 PT 3-7/8	WTHL2	Web Strap Teth W/1 Hook 1/Loop
1228SC-TH	T@H SC Comb Wrench 12 Pt 7/8	31230-TH	T@H 3/8Dr Std SKT 12Pt 15/16"	P-6-TH	T@H Pin Punch 3/16 Point 5-1/4	WTHPRT	T@H Pin Release Tool
1230SC-TH	T@H Sc Comb Wrench 12 Pt 15/16	31232-TH	T@H 3/8Dr Std SKT 12Pt 1"	PCH-PARTS-CC	SMALL PARTS POUCH - CANVAS	WTHPRT	Pin Release Tool - Sq Dr Tools
1232SC-TH	T@H Sc Comb Wrench 12 Pt, 1	AP-8A-TH	T@H 8 ADJ WR CHROME	PCH-TOOLTRIG	Tool Pouch W/ Triggers (Belt)	WTHRET1CLIPS	Bag Of 25 Clips For Wthuniret1
20544-TH	T@H 16 Oz BL PN Hammer	B-108-TH	3/8 DR EXTENSION 3	PL-46C-TH	T@H Diag. Ctting Plrs, Reg., 6	WTHRET2CLIPS	Bag Of 25 Clips For Wthuniret2
23303-TH	T@H CURV LCK PLIERS W/CUTR 10"	B-110-TH	3/8 DR EXTENSION 6	PL-76C-TH	T@H Chn Nse Plrs Lg Nse, 6-1/2	WTHUNIRET1	Retract Teth W Universal Loop
23506-TH	T@H HD Stripper/Cutter 10-20	B-40A-TH	3/8 DR FLEX HANDLE	PL-8C-TH	T@H COMB. SLIP-JOINT PLIERS, 8	WTHUNIRET2	Retract Teth W Universal Loop
2535L-TH	T@H BAHCO MAGNETC PICK-UP TOOL	B-52EHA-TH	3/8 DR ENCLOSED HEAD RAT 8	QW-HDBLU1-10PK	Quick-Wrap Tape 10-Pack	WTHWS1	Adj Wrist Strap W/ D Ring

Contents: Tools@Height Set WSC-45-TH

Refer to Master Sets Section Page 18 for Photo and Description

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
AP-6A-TH	T@H 6 Adj Wr Chrome	BKT-250HLV	Safe Bucket 250Lb Load Hk/Loop	1212RC-TH	Rat Combo Wr 12 Pt 3/8	31212-TH	3/8Dr Std T Skt 12 Pt 3/8"
AP-10A-TH	T@H 10 Adj Wr Chrome	HOL-TAPERET	Tape Meas Holster W/Retractor	1214RC-TH	Rat Combo Wr 12 Pt 7/16	31214-TH	3/8Dr Std T Skt 12Pt 7/16"
100P-5MD-TH	T@H 5 Piece Screwdriver Set	PCH-PARTS-CC	SMALL PARTS POUCH - CANVAS	1216RC-TH	Rat Combo Wr 12 Pt 1/2	31216-TH	3/8Dr Std T Skt 12Pt 1/2"
8225-TH	Slip Joint Plier 8225	WTHCARA15	3/4" Tether W 2 Sst Carabiners	1218RC-TH	Rat Combo Wr 12 Pt 9/16	31218-TH	3/8Dr Std T Skt 12Pt 9/16"
PL-57C-TH	T@H Diag. Cut Pliers, Hi Lvrg,	WTHCARA25	1" Tether W 2 Sst Carabiners	1220RC-TH	Rat Combo Wr 12 Pt 5/8	31220-TH	3/8Dr Std T Skt 12Pt 5/8"
PL-76C-TH	Chn Nse Plrs, Lg Nse, 6-1/2	WTHCARA30	Hd Lanyard W 2 Sst Carabiners	1222RC-TH	Rat Combo Wr 12 Pt 11/16	31222-TH	3/8Dr Std T Skt 12Pt 11/16"
PL-204C-TH	Lineman's Pliers	WTHL1	Web Strap Tether W/2 Snp Hooks	1224RC-TH	Rat Combo Wr 12 Pt 3/4	31224-TH	3/8Dr Std T Skt 12Pt 3/4"
23303-TH	Curv Lck Pliers W/Ctter 10" T	WTHL2	Web Strap Teth W/1 Hook 1/Loop	1226RC-TH	Rat Combo Wr 12 Pt 13/16	31226-TH	3/8Dr Std T Skt 12Pt 13/16"
20544-TH	T@H 16 Oz Bl Pn Hammer	WTHUNIRET1	Retract Teth W Universal Loop	1228RC-TH	Rat Combo Wr 12 Pt 7/8	31228-TH	3/8Dr Std T Skt 12Pt 7/8"
1-143-08-1-2-TH	8" Mill Bstd. With Handle	WTHUNIRET2	Retract Teth W Universal Loop	B-108-TH	3/8 Dr Extension 3_T@H		
2535L-TH	T@H Bahco Magnetc Pick-Up Tool	WTHWS1	Adj Wrist Strap W/ D Ring	B-52EHA-TH	T@H3/8 Dr Enclosed Head Rat 8		
SOTTHTPMA25EM	T@H TAPE MEASURE	1210RC-TH	Rat Combo Wr 12 Pt 5/16	31210-TH	3/8Dr Std T Skt 12Pt 5/16"		

Contents: Tools@Height Set WSC-27-TH

Refer to Master Sets Section Page 18 for Photo and Description

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
AP-6A-TH	T@H 6 Adj Wr Chrome	PL-204C-TH	Lineman's Pliers	BKT-250HLV	Safe Bucket 250Lb Load Hk/Loop	WTHL1	Web Strap Tether W/2 Snp Hooks
AP-10A-TH	T@H 10 Adj Wr Chrome	23303-TH	Curv Lck Pliers W/Ctter 10" T	HOL-TAPERET	Tape Meas Holster W/Retractor	WTHL2	Web Strap Teth W/1 Hook 1/Loop
100P-5MD-TH	T@H 5 Piece Screwdriver Set	20544-TH	T@H 16 Oz Bl Pn Hammer	PCH-PARTS-CC	SMALL PARTS POUCH - CANVAS	WTHUNIRET1	Retract Teth W Universal Loop
8225-TH	Slip Joint Plier 8225	1-143-08-1-2-TH	8" Mill Bstd. With Handle	WTHCARA15	3/4" Tether W 2 Sst Carabiners	WTHUNIRET2	Retract Teth W Universal Loop
PL-57C-TH	T@H Diag. Cut Pliers, Hi Lvrg,	2535L-TH	T@H Bahco Magnetc Pick-Up Tool	WTHCARA25	1" Tether W 2 Sst Carabiners	WTHWS1	Adj Wrist Strap W/ D Ring
PL-76C-TH	Chn Nse Plrs, Lg Nse, 6-1/2	SOTTHTPMA25EM	T@H TAPE MEASURE	WTHCARA30	Hd Lanyard W 2 Sst Carabiners		

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Contents: Electrician's Kit 4750FB3-12TS4

Refer to Master Sets Section Page 19 for Photo and Description

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
4750FB3-12	12" Electrician's Bag with Hard Bottom	2430 D-160	Nose Plier 6-1/4"	480-12	Warrington hammer	B195.002.025	Fit Insulated Slotted Screwdriver
1-110-08-2-2	Flat File Ergo® 8" Second 36 TPI	2628 D-180	Side Cutting Combo Plier 7"	700-2.5-100	Precision Screwdrivers; slotted	B195.050.025	Fit Insulated Slotted Screwdriver
1-230-08-2-2	Round File Ergo® 8" Second 36 TPI	268	Junior Hacksaw Plastic Handle 6"	8070	Black Adj. Wrench 6"	B142.001.080	Fit Insulated Pozidriv Screwdriver
1952M-10	10mm Combination Wrench	317	Profesional Light Hacksaw Frame	8071	Black Adj. Wrench 8"	B142.002.100	Fit Insulated Pozidriv Screwdriver
1952M-13	13mm Combination Wrench	3735-4-120	Center Punch	7224	Quick Adjust Water Pump Plier	1446	Multipurpose Knife
BE-9770	Long Ball End Hexagon Key Set, Metric	3740-150	flat Chisel	B196.025.075	Fit Insulated Slotted Screwdriver	B144.001.100	Fit Screwdriver Robertson # 1
2101D-160	Diagonal Cutting Plier 6-1/4"	424P-16	Chisel	B196.030.100	Fit Insulated Slotted Screwdriver	B144.002.125	Fit Screwdriver Robertson # 2
2223 D-150	Wire stripping pleirs - copper wire and cable	416-400	Spirit Level	B196.040.100	Fit Insulated Slotted Screwdriver	B144.003.150	Fit Screwdriver Robertson # 3
2233 D-160	Cable cutting and stripping pleirs	429-16	Claw hammer	B196.055.125	Fit Insulated Slotted Screwdriver		

Contents: Plumbers Kit 3100TBTS4

Refer to Master Sets Section Page 19 for Photo and Description

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
3100TB	17" Open Tote Caddy Tool Bag Organizer	BE-8986	Stubby Awl	141	Univeral Pipe Wrench 11"	2446	Multipurpose Knife
BE-8040	Screwdriver Slotted Ergo® 8-3/4 x 4 x 5/32"	319	Hacksaw Non-Slip Handles 12"	142	Universal Pipe Wrench 14-1/2"	2448	Wrecking Knife
BE-8821	Screwdriver Ergo® Pozidriv® #2	268	Junior Hacksaw Plastic Handle 6"	8224	Adjustable Joint Pliers 10"	8071 R US	Black Adj. Wrench 8"
BE-8155	Screwdriver Slotted Ergo® 9-3/4 x 5 x 1/4"	4-152-08-2-2	Homeowner'S File Ergo® 8" 41& 36 TPI	301-22	Tube cutter	8070 R US	Black Adj. Wrench 6"
BE-8611	Screwdriver Phillips® Ergo® #1	416-400	Spirit Level	302-35	Tube cutter	3740-200	Cold Chisel
BE-9777	Hex Keys	429-16	Claw Hammer	317-40	Wheel reemer	P-HB	Pencil

Contents: General Purpose Kit 4750PTB65TS4

Refer to Master Sets Section Page 19 for Photo and Description

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
4750PTB65	Plastic Tool Box	59S/31-1	31 Piece Bit set in Plastic Case	NP-22-U7/8-HP	Prize Cut Handsaw Cut Uni 22"	B144.001.100	Fit Screwdriver Robertson # 1
2446	Knife	B219.026	Bahco Fit Screwdriver Set 6 Pieces	MTB-5-25	Tape Measure	B144.002.125	Fit Screwdriver Robertson # 2
2448	Wrecking Knife	9045-B-250	Square	P-HB	Pencil	B144.003.150	Fit Screwdriver Robertson # 3
426TOR9	Torpedo Level	9572-200	Sliding bevel	SB-3732-2.5-125	Nail Punch		
529-16-L	ergo Claw Hammer	NP-22-U7/8-HP	Prize Cut Handsaw Cut Uni 22"	KE18-01	Snap-off Knife		

Contents: Basic Maintenance Kit 4750-UP-1TS5

Refer to Master Sets Section Page 19 for Photo and Description

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
4750-UP-1	Universal Pouch	B190.055.100	Fit Slotted Screwdriver	1952M-11	11mm Combination Wrench	B144.003.150	Fit Screwdriver Robertson # 3
2101 D-160	Diagonal Cutting Plier 6-1/4"	B192.001.100	Fit Phillips PH1 Screwdriver	1952M-13	13mm Combination Wrench		
2628 D-180	Side Cutting Combo Plier 7"	8072	Black Adj. Wrench 10"	B144.001.100	Fit Screwdriver Robertson # 1		
2430 D-160	Nose Plier Grips 6-1/4"	1952M-10	10mm Combination Wrench	B144.002.125	Fit Screwdriver Robertson # 2		

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Mammoth Set WSC-1390TB

Refer to Master Sets Section Pages 20 & 21 for Photo and Description

Note: WSC-1390 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description
1002MFRMH	3/8Dr Cl Trq Wr 100 F-Lb
10111	Hex Key Set Sh 11-pc
10213	Hex Key Set Lg 13-pc
1020	OE WR 1/4x5/16
1723	OE WR 3/8x7/16
1725	OE WR 7/16x1/2
1725B	OE WR 1/2x9/16
1727	OE WR 9/16x5/8
1729B	OE WR 11/16x3/4
1731B	OE WR 13/16x7/8
1033C	OE WR 15/16x1
1037	OE WR 1-1/16x1-1/4
1037B	OE WR1-1/8x1-3/16
10600	DblHd FL WR 3/8x7/16
10602	DblHd FL WR 1/2x9/16
10604	DblHd FL WR 5/8x11/16
10606	DblHd FL WR 3/4x7/8
10650	FL NUT WR 9x 11mm
10652	FL NUT WR 10x 12mm
10654	FL NUT WR 13x 14mm
10656	FL NUT WR 15x 17mm
10658	FL NUT WR 19x 21mm
1-100-04-3-2	4 Hd SM File w/PlHdl
1-100-08-1-2	8 Hd BST File w/Hdle
1-100-08-2-2	8 Hd 2ND File w/Hdle
1-111-04-3-2	4 WRD SM File w/PlHdl
1-160-04-3-2	4 SQ SM File w/PlHdl
1-160-08-1-2	8 SQ BST File w/Hdle
1-170-04-3-2	4 3 SQ SM File w/PlHdl
1-210-04-3-2	4 1/2RD SM File w/PlHdl
1-210-08-1-2	8 1/2RD BST File w/Hdle
1-230-04-3-2	4 RD SM File w/PlHdl
1-230-08-1-2	8 RD BST File w/Hdle
1112A	Min OE WRChrSat 3/16
1113A	Min OE WRChrSat 13/64
1114A	Min OE WRChrSat 7/32
1115A	Min OE WRChrSat 15/64
1116A	Min OE WRChrSat 1/4
1118A	Min OE WRChrSat 9/32
1120A	Min OE WRChrSat 5/16
1122A	Min OE WRChrSat 11/32
1124A	Min OE WRChrSat 3/8
1128A	Min OE WRChrSat 7/16
1132A	Min OE WRChrSat 1/2
1136A	Min OE WRChrSat 9/16
1140A	Min OE WRChrSat 5/8
11312	Stby Comb WR 3/8
11314	Stby Comb WR 7/16
11316	Stby Comb WR 1/2
11318	Stby Comb WR 9/16
11320	Stby Comb WR 5/8
11322	Stby Comb WR 11/16
11324	Stby Comb WR 3/4
11710	Stby Comb WR 10mm
11712	Stby Comb WR 12mm
11713	Stby Comb WR 13mm
11714	Stby Comb WR 14mm
11715	Stby Comb WR 15mm
11717	Stby Comb WR 17mm
11718	Stby Comb WR 18mm
11900	Fl Hd Comb WR 3/8
11901	Fl Hd Comb WR 7/16
11902	Fl Hd Comb WR 1/2
11903	Fl Hd Comb WR 9/16
11904	Fl Hd Comb WR 5/8
11905	Fl Hd Comb WR 11/16
11906	Fl Hd Comb WR 3/4
11952	Ofs Comb WR 3/8
11953	Ofs Comb WR 7/16
11954	Ofs Comb WR 1/2
11955	Ofs Comb WR 9/16
11956	Ofs Comb WR 5/8
11957	Ofs Comb WR 11/16
11958	Ofs Comb WR 3/4
11959	Ofs Comb WR 13/16
11960	Ofs Comb WR 7/8
1208MRCF	Fl Hd Rat Comb WR 8mm
1209MRCF	Fl Hd Rat Comb WR 9mm
1210MRCF	Fl Hd Rat Comb WR 10mm
1211MRCF	Fl Hd Rat Comb WR 11mm
1212MRCF	Fl Hd Rat Comb WR 12mm
1213MRCF	Fl Hd Rat Comb WR 13mm
1214MRCF	Fl Hd Rat Comb WR 14mm
1215MRCF	Fl Hd Rat Comb WR 15mm
1216MRCF	Fl Hd Rat Comb WR 16mm
1217MRCF	Fl Hd Rat Comb WR 17mm
1218MRCF	Fl Hd Rat Comb WR 18mm
1219MRCF	Fl Hd Rat Comb WR 19mm
1206MRC	Rev Rat Comb WR 6mm
1208MRC	Rev Rat Comb WR 8mm
1209MRC	Rev Rat Comb WR 9mm
1210MRC	Rev Rat Comb WR 10mm
1211MRC	Rev Rat Comb WR 11mm
1212MRC	Rev Rat Comb WR 12mm
1213MRC	Rev Rat Comb WR 13mm
1214MRC	Rev Rat Comb WR 14mm
1215MRC	Rev Rat Comb WR 15mm
1216MRC	Rev Rat Comb WR 16mm
1217MRC	Rev Rat Comb WR 17mm
1218MRC	Rev Rat Comb WR 18mm
1219MRC	Rev Rat Comb WR 19mm
1221MRC	Rev Rat Comb WR 21mm
1222MRC	Rev Rat Comb WR 22mm
1224MRC	Rev Rat Comb WR 24mm
1225MRC	Rev Rat Comb WR 25mm
1208MRCS	Stby Rat Comb WR 8mm
1209MRCS	Stby Rat Comb WR 9mm
1210MRCS	Stby Rat Comb WR 10mm
1211MRCS	Stby Rat Comb WR 11mm
1212MRCS	Stby Rat Comb WR 12mm
1213MRCS	Stby Rat Comb WR 13mm
1214MRCS	Stby Rat Comb WR 14mm
1215MRCS	Stby Rat Comb WR 15mm
1216MRCS	Stby Rat Comb WR 16mm
1217MRCS	Stby Rat Comb WR 17mm
1218MRCS	Stby Rat Comb WR 18mm
1219MRCS	Stby Rat Comb WR 19mm
1207MSC	WRChrSat12pt 7mm
1208MSC	WRChrSat12pt 8mm
1209MSC	WRChrSat12pt 9mm
1210MSC	WRChrSat12pt 10mm
1211MSC	WRChrSat12pt 11mm
1212MSC	WRChrSat12pt 12mm
1213MSC	WRChrSat12pt 13mm
1214MSC	WRChrSat12pt 14mm
1215MSC	WRChrSat12pt 15mm
1217MSC	WRChrSat12pt 17mm
1218MSC	WRChrSat12pt 18mm
1219MSC	WRChrSat12pt 19mm
1221MSC	WRChrSat12pt 21mm
1222MSC	WRChrSat12pt 22mm
1224MSC	WRChrSat12pt 24mm
1227MSC	WRChrSat12pt 27mm
1230MSC	WRChrSat12pt 30mm
1232MSC	WRChrSat12pt 32mm
1234MSC	WRChrSat12pt 34mm
1236MSC	WRChrSat12pt 36mm
1210RCF	Fl-Hd Rat Comb WR 5/16
1212RCF	Fl-Hd Rat Comb WR 3/8
1214RCF	Fl-Hd Rat Comb WR 7/16
1216RCF	Fl-Hd Rat Comb WR 1/2
1218RCF	Fl-Hd Rat Comb WR 9/16
1220RCF	Fl-Hd Rat Comb WR 5/8
1222RCF	Fl-Hd Rat Comb WR 11/16
1224RCF	Fl-Hd Rat Comb WR 3/4
1208RC	1/4 Rat Comb WR
1210RC	Rev Rat Comb WR 5/16
1212RC	Rev Rat Comb WR 3/8
1214RC	Rev Rat Comb WR 7/16
1216RC	Rev Rat Comb WR 1/2
1218RC	Rev Rat Comb WR 9/16
1220RC	Rev Rat Comb WR 5/8
1222RC	Rev Rat Comb WR 11/16
1224RC	Rev Rat Comb WR 3/4
1226RC	Rev Rat Comb WR 13/16
1228RC	Rev Rat Comb WR 7/8
1230RC	Rev Rat Comb WR 15/16
1232RC	Rev Rat Comb WR 1
1210RCS	Stby Rat Comb WR 5/16
1212RCS	Stby Rat Comb WR 3/8
1214RCS	Stby Rat Comb WR 7/16
1216RCS	Stby Rat Comb WR 1/2
1218RCS	Stby Rat Comb WR 9/16
1220RCS	Stby Rat Comb WR 5/8
1222RCS	Stby Rat Comb WR 11/16
1224RCS	Stby Rat Comb WR 3/4
1210SC	WRChrSat12pt 5/16
1212SC	WRChrSat12pt 3/8
1214SC	WRChrSat12pt 7/16
1216SC	WRChrSat12pt 1/2
1218SC	WRChrSat12pt 9/16
1220SC	WRChrSat12pt 5/8
1222SC	WRChrSat12pt 11/16
1224SC	WRChrSat12pt 3/4
1226SC	WRChrSat12pt 13/16
1228SC	WRChrSat12pt 7/8
1230SC	WRChrSat12pt 15/16
1232SC	WRChrSat12pt 1
1234SC	WRChrSat12pt 1-1/16
1236SC	WRChrSat12pt 1-1/8
1240SC	WRChrSat12pt 1-1/4
1242	WRChrSat12pt 1-5/16
1244	WRChrSat12pt 1 3/8
1246	WRChrSat12pt 1 7/16
1248	WRChrSat12pt 1 1/2
1180	WRChrSat12pt 1 5/8
1182	WRChrSat12pt 1 11/16
1184	WRChrSat12pt 1 3/4
1186	WRChrSat12pt 1 13/16
1188	WRChrSat12pt 1 7/8
1190	WRChrSat12pt 2
1191	WRChrSat12pt 2 1/16
1192	WRChrSat12pt 2 1/8
1193	WRChrSat12pt 2 3/16
1194	WRChrSat12pt 2 1/4
1195	WRChrSat12pt 2 3/8
1197	WRChrSat12pt 2 1/2
1236TOB	Off Bx Tub Wr-1-1/8
1240TOB	Off Bx Tub WR-1-1/4-32mm
1242TOB	Off Bx Tub WR-1-5/16-33mm
1248TOB	Off Bx Tub WR-1-1/2-38mm
1252TOB	Off Bx Tub WR-1-5/8-41mm
1256TOB	Off Bx Tub WR-1-3/4-44mm
1232TOE	OE Tub WR-1
1234TOE	OE Tub WR-1-1/16
1236TOE	OE Tub WR-1-1/8
1240TOE	OE Tub WR-1-1/4-32mm
1242TOE	OE Tub WR-1-5/16-33mm
1244TOE	OE Tub WR-1-3/8-35mm
1246TOE	OE Tub WR-1-7/16-36mm
1248TOE	OE Tub WR-1-1/2-38mm
1224TSB	Str Bx Tub WR-3/4
1226TSB	Str Bx Tub WR-13/16
1228TSB	Str Bx Tub WR-7/8
1230TSB	Str Bx Tub WR-15/16
1232TSB	Str Bx Tub WR-1
1234TSB	Str Bx Tub WR-1-1/16
1236TSB	Str Bx Tub WR-1-1/8
1240TSB	Str Bx Tub WR-1-1/4-32mm
12601	Dbl Fl Hd WR 3/8x7/16
12603	Dbl Fl Hd WR 1/2x9/16
12605	Dbl Fl Hd WR 5/8x11/16
12607	Dbl Fl Hd WR 3/4x7/8
12-610	3/8Dr DplmSkt6pt 5/16
12-612	3/8Dr DplmSkt6pt 3/8
12-614	3/8Dr DplmSkt6pt 7/16
12-616	3/8Dr DplmSkt6pt 1/2
12-618	3/8Dr DplmSkt6pt 9/16
12-620	3/8Dr DplmSkt6pt 5/8
12-622	3/8Dr DplmSkt6pt 11/16
12-624	3/8Dr DplmSkt6pt 3/4
12-626	3/8Dr DplmSkt6pt 13/16
12-628	3/8Dr DplmSkt6pt 7/8
12-630	3/8Dr DplmSkt6pt 15/16
12-632	3/8Dr DplmSkt6pt 1
12M-607	3/8Dr DplmSkt6pt 7mm
12M-608	3/8Dr DplmSkt6pt 8mm
12M-609	3/8Dr DplmSkt6pt 9mm
12M-610	3/8Dr DplmSkt6pt 10mm
12M-611	3/8Dr DplmSkt6pt 11mm
12M-612	3/8Dr DplmSkt6pt 12mm
12M-613	3/8Dr DplmSkt6pt 13mm
12M-614	3/8Dr DplmSkt6pt 14mm
12M-615	3/8Dr DplmSkt6pt 15mm
12M-616	3/8Dr DplmSkt6pt 16mm
12M-617	3/8Dr DplmSkt6pt 17mm
12M-618	3/8Dr DplmSkt6pt 18mm
12M-619	3/8Dr DplmSkt6pt 19mm
12M-620	3/8Dr DplmSkt6pt 20mm
12M-621	3/8Dr DplmSkt6pt 21mm
12M-622	3/8Dr DplmSkt6pt 22mm
12M-623	3/8Dr DplmSkt6pt 23mm
12M-624	3/8Dr DplmSkt6pt 24mm
13213	Bl End Hex Key Lg 13-pc
13406A	Chr Adj WRes 6
13408A	Chr Adj WRes 8
13410A	Chr Adj WRes 10
13412A	Chr Adj WRes 12
13418A	18 Chr Adj WR Pol Hd
13518	Cast Iron Pipe WR 8
13522	Cast Iron Pipe WR 12
13526	Cast Iron Pipe WR 18
13609	Bl End Hex KeyLgMet13-pc
13625A	15 Const Adj WR
14-612	1/2Dr DplmSkt6pt 3/8
14-614	1/2Dr DplmSkt6pt 7/16
14-616	1/2Dr DplmSkt6pt 1/2
14-618	1/2Dr DplmSkt6pt 9/16
14-620	1/2Dr DplmSkt6pt 5/8
14-622	1/2Dr DplmSkt6pt11/16
14-624	1/2Dr DplmSkt6pt 3/4
14-626	1/2Dr DplmSkt6pt13/16
14-628	1/2Dr DplmSkt6pt 7/8
14-630	1/2Dr DplmSkt6pt15/16
14-632	1/2Dr DplmSkt6pt 1
14-634	1/2Dr DplmSkt6pt 1-1/16
14-636	1/2Dr DplmSkt6pt 1-1/8
14-638	1/2Dr DplmSkt6pt 1-3/16
14-640	1/2Dr DplmSkt6pt 1-1/4
14-642	1/2Dr DplmSkt6pt 1-5/16
14-644	1/2Dr DplmSkt6pt 1-3/8
14-646	1/2Dr DplmSkt6pt 1-7/16
14-648	1/2Dr DplmSkt6pt 1-1/2
14M-610	1/2Dr DplmSkt6pt 10mm
14M-611	1/2Dr DplmSkt6pt 11mm
14M-612	1/2Dr DplmSkt6pt 12mm
14M-613	1/2Dr DplmSkt6pt 13mm
14M-614	1/2Dr DplmSkt6pt 14mm
14M-615	1/2Dr DplmSkt6pt 15mm
14M-616	1/2Dr DplmSkt6pt 16mm
14M-617	1/2Dr DplmSkt6pt 17mm
14M-618	1/2Dr DplmSkt6pt 18mm
14M-619	1/2Dr DplmSkt6pt 19mm
14M-620	1/2Dr DplmSkt6pt 20mm
14M-621	1/2Dr DplmSkt6pt 21mm
14M-622	1/2Dr DplmSkt6pt 22mm
14M-623	1/2Dr DplmSkt6pt 23mm
14M-624	1/2Dr DplmSkt6pt 24mm
14M-625	1/2Dr DplmSkt6pt 25mm
14M-626	1/2Dr DplmSkt6pt 26mm
14M-627	1/2Dr DplmSkt6pt 27mm
14M-629	1/2Dr DplmSkt6pt 29mm
14M-630	1/2Dr DplmSkt6pt 30mm
14M-632	1/2Dr DplmSkt6pt 32mm
14M-634	1/2Dr DplmSkt6pt 34mm
14M-635	1/2Dr DplmSkt6pt 35mm
14M-636	1/2Dr DplmSkt6pt 36mm
16-624	3/4Dr DplmSkt6pt 3/4
16-626	3/4Dr DplmSkt6pt13/16
16-628	DplmSkt6pt 7/8
16-630	DplmSkt6pt 15/16
16-632	DplmSkt6pt 1
16-634	DplmSkt6pt 1 1/16
16-636	DplmSkt6pt 1 1/8
16-640	DplmSkt6pt 1 1/4
16-642	DplmSkt6pt 1 5/16
16-644	3/4Dr DplmSkt6pt 1-3/8
16-646	3/4Dr DplmSkt6pt 1-7/16
16-648	DplmSkt6pt 1 1/2
16-650	3/4Dr DplmSkt6pt 1-9/16
16-652	3/4Dr DplmSkt6pt 1-5/8
16-654	3/4Dr DplmSkt6pt 1-11/16
16-656	3/4Dr DplmSkt6pt 1-3/4
16-658	3/4Dr DplmSkt6pt 1-13/16
16-660	3/4Dr DplmSkt6pt 1-7/8
16-664	3/4Dr DplmSkt6pt 2
2-02B	3/8Dr Im Ext 3
20401	20oz FG Crv Claw Hmr
20544	16oz Bl PN FG Hdle Hmr
20545	24oz Bl PN FG Hdle Hmr
20651	48oz CrPN FG LgHdl Hmr
20678	32ozDrlg FG Hdle Hmr
208	Mini Hksw Alum Hdle 10
2-103A	3/8Dr Im Ext 3
2-106A	3/8Dr Im Ext 6
2-140B	3/8Dr Im U-Joint
21661	2pc PryBar
2203-8	Diagonal Cutting Plier Straight ergo® 8"
222D	Alligator Pl 6
223D	Alligator Pl 7-1/2
224D	Alligator Pl 9-1/2
23101	6-1/4 Sl Jt Pl
23103	9-3/4 Sl Jt Pl
23107	15-3/4 Gr Jt Pl 9 Pos
23201	CrvJaw w/Ctr LckPl 5
23202	CrvJaw w/Ctr LckPl 7
23203	CrvJaw w/Ctr LckPl 10
23301	CrvJaw wire Ctr LckPl 5
23302	CrvJaw wire Ctr LckPl 7
23305	Str Jaw LckPl 10
23310	Lg Ns wire Ctr LckPls 9
23320	Lck C-Cl LckPl 6
23403	8" Linesman Plier
23406	6-1/4" Heavy Duty Diagonal Cutting
23409	6-1/4" Bent Nose
23410	6-1/4" Long Nose
23411	8" Long Nose
23503	FrEnd Strip-Cut/Crimper
23506	Heavy Duty Stripper/Ctr
23512	Romex Tl Dual Type

Contents: Mammoth Set WSC-1390TB (con't)

Product Code	Description
23530	Coax Cable Tl
23535	Cg Super Stripper 20-30
23541	Elec Mini-Ctr 5-1/2
23542	Elec Mini-Stripper 5-1/2
23543	Elec Mini-Crimper 5-1/2
23603	9 Lnms Dipped Hdles
23801	Conv Ret Rg Pl Cap 2
23803	Conv Ret Rg Pl Cap 1
24201A	Cab Scr 1/8x4
24205A	Sl Scr 3/16x4
24207A	Cab Scr 3/16x3
24211A	Cab Scr 3/16x6
24213A	Cab Scr 3/16x10
24217A	Sl Scr 1/4x1 1/2
24219A	Sl Scr 1/4x4
24237A	Sl Scr 5/16x6
24239A	5/16x8 Rd Sl Bmd Hdle
24241A	Sl Scr 3/8x8
24243A	3/8x12 Rd Sl Bmd Hdle
24249A	Ph Scr # 1x3
24251A	Ph Scr # 2x1 1/2
24253A	Ph Scr # 2x4
24259A	#3x6 Ph Bmd Hdle
24263A	Torx Scr T10x4
24265A	Torx Scr T15x4
24267A	Torx Scr T20x4
24269A	Torx Scr T25x4
24271A	Torx Scr T27x4
24273A	Torx Scr T30x4
24401	3/16 Csh Gr Ntdrv
24403	1/4 Csh Gr Ntdrv
24405	5/16 Csh Gr Ntdrv
24407	11/32 Csh Gr Ntdrv
24409	3/8 Csh Gr Ntdrv
24411	7/16 Csh Gr Ntdrv
24413	1/2 Csh Gr Ntdrv
2-4A	3/8Dr Im Adp3/8Fx1/2M
24TH	Tub WR Hdle-24
2503MFRMH	1/2Dr Cl Trq WR 250 F-Lb
2-608	3/8Dr ImSkt6pt 1/4
2-610	3/8Dr ImSkt6pt 5/16
2-612	3/8Dr ImSkt6pt 3/8
2-614	3/8Dr ImSkt6pt 7/16
2-616	3/8Dr ImSkt6pt 1/2
2-618	3/8Dr ImSkt6pt 9/16
2-620	3/8Dr ImSkt6pt 5/8
2-622	3/8Dr ImSkt6pt 11/1
2-624	3/8Dr ImSkt6pt 3/4
2-626	3/8Dr ImSkt6pt 13/1
2-628	3/8Dr ImSkt6pt 7/8
2628G-180	Side Cutting Combination Plier ergo® 7"
2-630	3/8Dr ImSkt6pt 15/1
2-632	3/8Dr ImSkt6pt 1
PL-209X	Lnms's Pl Cmf Gr 9 -1/2
28201	Av Snips Left
28203	Av Snips Right
28205	Av Snips Str
28301	Str Pat Tin Snips 7
28307	Str Pat Tin Snips 12
28449	Pch & Chs Holder
2M-607	Std ImSkt6pt 7mm
2M-608	Std ImSkt6pt 8mm
2M-609	Std ImSkt6pt 9mm
2M-610	Std ImSkt6pt 10mm
2M-611	Std ImSkt6pt 11mm
2M-612	Std ImSkt6pt 12mm
2M-613	Std ImSkt6pt 13mm
2M-614	Std ImSkt6pt 14mm
2M-615	Std ImSkt6pt 15mm
2M-616	Std ImSkt6pt 16mm
2M-617	Std ImSkt6pt 17mm
2M-618	Std ImSkt6pt 18mm
2M-619	Std ImSkt6pt 19mm
30008	1/4DrSliding T Hdle
30009	1/4 Fx3/8 M Adapter
300-14-F15/16-HP	TIBx Saw Pl14 15TPI
31008	3/8 Fx1/4 M Adapter
31009	3/8 Fx1/2 M Adapter
31301	3/8Dr SpkPl Skt 5/8
31303	3/8Dr SpkPl Skt 13/16
32008	1/2 Fx3/8 M Adapter
32412	1/2Dr Skt 3/8
32414	1/2Dr Skt 7/16
32416	1/2Dr Skt 1/2
32418	1/2Dr Skt 9/16
32420	1/2Dr Skt 5/8
32422	1/2Dr Skt 11/16
32424	1/2Dr Skt 3/4
32426	1/2Dr Skt 13/16
32428	1/2Dr Skt 7/8
32430	1/2Dr Skt 15/16
32432	1/2Dr Skt 1
32434	1/2Dr Skt 1 1/16
32436	1/2Dr Skt 1 1/8

Product Code	Description
32438	1/2Dr Skt 1 3/16
32440	1/2Dr Skt 1 1/4
32448	1/2Dr Skt 1 1/2
325	Prof Hksw Hdle 12
33008	3/4F*1/2MAdapter
35040	1/4Dr ScrBt Skt Sl 5/32
35041	1/4Dr ScrBt Skt Sl 7/32
35042	1/4Dr ScrBt Skt Sl 9/32
35050	1/4Dr ScrBt Skt Ph # 0
35051	1/4Dr ScrBt Skt Ph # 1
35052	1/4Dr ScrBt Skt Ph # 2
35080	1/4Dr Torx Bit Skt T10
35081	1/4Dr Torx Bit Skt T15
35082	1/4Dr Torx Bit Skt T20
35083	1/4Dr Torx Bit Skt T25
35084	1/4Dr Torx Bit Skt T27
35085	1/4Dr Torx Bit Skt T30
35182	3/8Dr Torx Bit Skt T25
35183	3/8Dr Torx Bit Skt T27
35184	3/8Dr Torx Bit Skt T30
35185	3/8Dr Torx Bit Skt T40
35186	3/8Dr Torx Bit Skt T45
35187	3/8Dr Torx Bit Skt T47
35188	3/8Dr Torx Bit Skt T50
35192	3/8Dr Torx Bit Skt T25
35193	3/8Dr Torx Bit Skt T27
35194	3/8Dr Torx Bit Skt T30
35195	3/8Dr Torx Bit Skt T40
35196	3/8Dr Torx Bit Skt T45
35197	3/8Dr Torx Bit Skt T47
35198	3/8Dr Torx Bit Skt T50
36TH	Tub WR Hdle-36
3816-300	Tung Carbide Hksw Bl 12
38216	3/4Dr Hex ImSkt 1/2
38218	3/4Dr Hex ImSkt 9/16
38220	3/4Dr Hex ImSkt 5/8
38224	3/4Dr Hex ImSkt 3/4
38226	3/4Dr Hex ImSkt 13/16
38228	3/4Dr Hex ImSkt 7/8
38232	3/4Dr Hex ImSkt 1
38238	3/4Dr Hex ImSkt 1 1/8
38240	3/4Dr Hex ImSkt 1 1/4
3840-100-10-SC-1P	BiRecipBL 4 10TPI
3840-100-18-SC-1P	BiRecipBL 4 18TPI
3840-100-24-ST-1P	BiRecipBL 4 24TPI U-Thg
3840-100-6-ST-1P	BiRecipBL 4 6TPI U-Thg
3840-150-10-ST-1P	BiRecipBL 6 10TPI U-Thg
3840-150-14-ST-1P	BiRecipBL 6 14TPI U-Thg
3840-150-18-ST-1P	BiRecipBL 6 18TPI U-Thg
3840-150-24-ST-1P	BiRecipBL 6 24TPI U-Thg
3840-150-5/8-SL-1P	BiRecipBL 6 5/8TPI
3840-150-7-SL-1P	BiRecipBL 6 7TPI
396-LAP	Fldg Saw Bmd 8 7TPI
40000	1/4x6 GsktScpr BmdHdl
40052	QckBl Ut Knife5pk 025
40058	Fldg Ut Knife
40072	QckBl DispBulk
40150	Pick-Up Tl BmdHdl
40201	4pc MiniPick/Hook
40221	12 Strap WR
40251	4pc Ut Tl Set BmdHdl
4-6	1/2Dr Im Adp1/2 Fx3/4
40701	3/4Dr Im Adp 3/4 Fx1
4-102	1/2Dr Im Ext 3-1/2
4-105A	1/2Dr Im Ext 5
4-110A	1/2Dr Im Ext10
4-140B	1/2Dr Im U-Joint
42302	Std Seat Creeper
4-2F	1/2Dr Im Adp1/2 Fx3/8
43605	Tube Ctr 1-1/8
43618	Pl Hose Ctr
4559-24	Bolt Ctr Cmf Grs 24
4-612	1/2Dr ImSkt6pt 3/8
4-614	1/2Dr ImSkt6pt7/16
4-616	1/2Dr ImSkt6pt1/2
4-618	1/2Dr ImSkt6pt9/16
4-620	1/2Dr ImSkt6pt5/8
4-622	1/2Dr ImSkt6pt11/16
4-624	1/2Dr ImSkt6pt3/4
4-626	1/2Dr ImSkt6pt13/16
4-628	1/2Dr ImSkt6pt7/8
4-630	1/2Dr ImSkt6pt15/16
4-632	1/2Dr ImSkt6pt1
4-634	1/2Dr ImSkt6pt1-1/16
4-636	1/2Dr ImSkt6pt1-1/8
4-638	1/2Dr ImSkt6pt1-3/16
4-640	1/2Dr ImSkt6pt1-1/4
4-642	1/2Dr ImSkt6pt1-5/16
4-644	1/2Dr ImSkt6pt1-3/8
4-646	1/2Dr ImSkt6pt1-7/16
4-648	1/2Dr ImSkt6pt1-1/2
471	Adj Hk Spr 3/4 To 2
472	Adj Hk Spr 1-1/4 To 3
474	Adj Hk Spr 2 To 4-3/4

Product Code	Description
4M-610	1/2Dr ImSkt6pt 10mm
4M-611	1/2Dr ImSkt6pt 11mm
4M-612	1/2Dr ImSkt6pt 12mm
4M-613	1/2Dr ImSkt6pt 13mm
4M-614	1/2Dr ImSkt6pt 14mm
4M-615	1/2Dr ImSkt6pt 15mm
4M-616	1/2Dr ImSkt6pt 16mm
4M-617	1/2Dr ImSkt6pt 17mm
4M-618	1/2Dr ImSkt6pt 18mm
4M-619	1/2Dr ImSkt6pt 19mm
4M-620	1/2Dr ImSkt6pt 20mm
4M-621	1/2Dr ImSkt6pt 21mm
4M-622	1/2Dr ImSkt6pt 22mm
4M-623	1/2Dr ImSkt6pt 23mm
4M-624	1/2Dr ImSkt6pt 24mm
4M-625	1/2Dr ImSkt6pt 25mm
4M-626	1/2Dr ImSkt6pt 26mm
4M-627	1/2Dr ImSkt6pt 27mm
4M-629	1/2Dr ImSkt6pt 29mm
4M-630	1/2Dr ImSkt6pt 30mm
4M-632	1/2DrImSkt6pt 32m
4M-634	1/2Dr ImSkt6pt 34mm
4M-636	1/2Dr ImSkt6pt 36mm
50721	3Drw 34 Cart-Rb Red
50865	1 Shlf 37 Hd Sdcb Red
6004MFRMH	3/4Dr Cl Trq WR 600 F-Lb
6-107	3/4Dr Im Ext 7
6-110	3/4Dr Im Ext 9-3/4
6-113	3/4Dr Im Ext 12-3/4
6-140B	3/4Dr Im U-Joint
6-1XS	Ret Rg
625	Scrp1 Triple
625-DROP	Drop-Shape Bl625 Scrp
625-PEAR	Pear-Shape Bl625 Scrp
625-RD	RD Bl625 Scrp
6-4A	3/4Dr ImAdp 3/4 Fx1/2M
6-618A	3/4Dr ImSkt6pt 9/16
6-620A	3/4Dr ImSkt6pt 5/8
6-622A	3/4Dr ImSkt6pt 11/16
6-624A	Std ImSkt6pt 3/4
6-626A	Std ImSkt6pt 13/16
6-628A	Std ImSkt6pt 7/8
6-630A	Std ImSkt6pt 15/16
6-632A	Std ImSkt6pt 1
6-634A	Std ImSkt6pt 1 1/16
6-636	Std ImSkt6pt 1 1/8
6-640	Std ImSkt6pt 1 1/4
6-642	Std ImSkt6pt 1 5/16
6-644	Std ImSkt6pt 1 3/8
6-646	Std ImSkt6pt 1 7/16
6-648	Std ImSkt6pt 1 1/2
665	Scrp2-1/2 Dbl Bl
6-652	Std ImSkt6pt 1 5/8
6-654	3/4Dr ImSkt6pt1-11/16
6-656	3/4Dr ImSkt6pt 1-3/4
6-658	3/4Dr ImSkt6pt1-13/16
6-660	3/4Dr ImSkt6pt 1-7/8
6-662	3/4Dr ImSkt6pt1-15/16
6-664	3/4Dr ImSkt6pt2
6-666	3/4Dr ImSkt6pt2-1/16
6-670	3/4Dr ImSkt6pt2-3/16
6-672	3/4Dr ImSkt6pt2-1/4
6-676	3/4Dr ImSkt6pt2-3/8
7029B	BxWRChrSat12pt 11/16x3/4
7033C	BxWRChrSat12pt 15/16x1
7723	BxWRChrSat12pt 3/8x7/16
7725B	BxWRChrSat12pt 1/2x9/16
7727A	BxWRChrSat12pt 5/8x11/16
7731A	BxWRChrSat12pt 3/4x7/8
7731B	BxWRChrSat12pt 13/16x7/8
808050S-22	Ratcheting Scr Set
8223	Adj Joint Pls 8
8225	Adj Joint Pls 12
860114	Bi Hksw Bl 12 18TPI 10P
860124	Bi Hksw Bl 12 24TPI 10P
862017	Prof Holesaw Set 17pc
87032	Stud Rem/Inst Set
87079	10 Ton Gear Set
9031RUS	Blkx-Wide Adj WR 8
9070RPUS	Blk Adj/Pipe WR 6
9072RPUS	Blk Adj/Pipe WR 10
9-12-51/3806-KP	Bws w/Bws & Hack Bl
9-467-00-0-0	File Cleaner
B-101	3/8Dr Ext 1 1/2
B-108	3/8Dr Ext 3
B-110	3/8Dr Ext 6
B-115	3/8Dr Ext 11
B-118	3/8Dr Ext 18
B-1208	Skt12pt 1/4
B-1210	Skt12pt 5/16
B-1212	Skt12pt 3/8
B-1214	Skt12pt 7/16
B-1216	Skt12pt 1/2
B-1218	Skt12pt 9/16

Product Code	Description
B-1220	Skt12pt 5/8
B-1222	Skt12pt 11/16
B-1224	Skt12pt 3/4
B-1226	Skt12pt 13/16
B-1228	Skt12pt 7/8
B-1230	Skt12pt 15/16
B-1232	Skt12pt 1
B-140A	3/8Dr U-Joint
B-15	3/8Dr Speeder
B-20A	3/8Dr Sliding T Hdle
B-40A	3/8Dr FlHdl
B-52EHA	3/8Dr EncHd Rat 8
B-52EHLA	3/8Dr EncHd Rat 10-3/4
B-70	Chr Ratchet Spinner
BA-10A	Sh HexBtSkt 5/16
BA-10A-3P	3/8Dr Ph Skt 3-Pt
BA-10A-3S	3/8Dr SlSkt 9/32x045
BA-10A-4S	3/8Dr SlSkt 5/16x055
BA-10HBA	Bl HexBtSkt 5/16
BA-10LA	Lg HexBtSkt 5/16
BA-12A	Sh HexBtSkt 3/8
BA-12A-4P	3/8Dr Ph Skt 4-Pt
BA-12HBA	Bl HexBtSkt 3/8
BA-12LA	Lg HexBtSkt 3/8
BA-4A	Sh HexBtSkt 1/8
BA-4HBA	Bl HexBtSkt 1/8
BA-4LA	Lg HexBtSkt 1/8
BA-5A	Sh HexBtSkt 5/32
BA-5A-1S	3/8Dr SlSkt 3/16x032
BA-5HBA	Bl HexBtSkt 5/32
BA-5LA	Lg HexBtSkt 5/32
BA-6A	Sh HexBtSkt 3/16
BA-6HBA	Bl HexBtSkt 3/16
BA-6LA	Lg HexBtSkt 3/16
BA-7A	Sh HexBtSkt 7/32
BA-7A-1P	3/8Dr Ph Skt 1-Pt
BA-7A-2P	3/8Dr Ph Skt 2-Pt
BA-7A-2S	3/8Dr SlSkt 7/32x040
BA-7HBA	Bl HexBtSkt 7/32
BA-7LA	Lg HexBtSkt 7/32
BA-8A	Sh HexBtSkt 1/4
BA-8HBA	Bl HexBtSkt 1/4
BA-8LA	Lg HexBtSkt 1/4
BB-526	3/8Dr Penta-Skt
BD-1208	Dp Skt12pt 1/4
BD-1210	Dp Skt12pt 5/16
BD-1212	Dp Skt12pt 3/8
BD-1214	Dp Skt12pt 7/16
BD-1216	Dp Skt12pt 1/2
BD-1218	Dp Skt12pt 9/16
BD-1220	Dp Skt12pt 5/8
BD-1222	Dp Skt12pt 11/16
BD-1224	Dp Skt12pt 3/4
BD-1226	Dp Skt12pt 13/16
BD-1228	Dp Skt12pt 7/8
BD-1230	Dp Skt12pt 15/16
BD-1232	Dp Skt12pt 1
BD-808	3/8Dr Skt 8-Pt 1/4
BD-810	3/8Dr Skt 8-Pt 5/16
BD-812	3/8Dr Skt 8-Pt 3/8
BD-814	3/8Dr Skt 8-Pt 7/16
BD-816	3/8Dr Skt 8-Pt 1/2
BD-818	3/8Dr Skt 8-Pt 9/16
BD-820	3/8Dr Skt 8-Pt 5/8
BFE-8	3/8Dr Flible Ext 8
BHMD-30	3/8Dr Hd ImpDrr
BM-1206	3/8Dr Std12pt Skt 6mm
BM-1207	3/8Dr Std12pt Skt 7mm
BM-1208	3/8Dr Std12pt Skt 8mm
BM-1209	3/8Dr Std12pt Skt 9mm
BM-1210	3/8Dr Std12pt Skt 10mm
BM-1211	3/8Dr Std12pt Skt 11mm
BM-1212	3/8Dr Std12pt Skt 12mm
BM-1213	3/8Dr Std12pt Skt 13mm
BM-1214	3/8Dr Std12pt Skt 14mm
BM-1215	3/8Dr Std12pt Skt 15mm
BM-1216	3/8Dr Std12pt Skt 16mm
BM-1217	3/8Dr Std12pt Skt 17mm
BM-1218	3/8Dr Std12pt Skt 18mm
BM-1219	3/8Dr Std12pt Skt 19mm
BM-1220	3/8Dr Std12pt Skt 20mm
BM-1221	3/8Dr Std12pt Skt 21mm
BM-1222	3/8Dr Std12pt Skt 22mm
BM-1223	3/8Dr Std12pt Skt 23mm
BM-1224	3/8Dr Std12pt Skt 24mm
BM-1226	3/8Dr Std12pt Skt 26mm
BMD-606	3/8Dr Dp 6 PT Skt 6mm
BMD-607	3/8Dr Dp 6 PT Skt 7mm
BMD-608	3/8Dr Dp 6 PT Skt 8mm
BMD-609	3/8Dr Dp 6 PT Skt 9mm
BMD-610	3/8Dr Dp 6 PT Skt 10mm
BMD-611	3/8Dr Dp 6 PT Skt 11mm
BMD-612	3/8Dr Dp 6 PT Skt 12mm
BMD-613	3/8Dr Dp 6 PT Skt 13mm

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Mammoth Set Metric WSC-1390TB (con't)

Product Code	Description
BMD-614	3/8Dr Dp 6 PT Skt 14mm
BMD-615	3/8Dr Dp 6 PT Skt 15mm
BMD-616	3/8Dr Dp 6 PT Skt 16mm
BMD-617	3/8Dr Dp 6 PT Skt 17mm
BMD-618	3/8Dr Dp 6 PT Skt 8mm
BMD-619	3/8Dr Dp 6 PT Skt 19mm
BMD-620	3/8Dr Dp 6 PT Skt 20mm
BMD-622	3/8Dr Dp 6 PT Skt 22mm
BMD-623	3/8Dr Dp 6 PT Skt 23mm
BMD-624	3/8Dr Dp 6 PT Skt 24mm
BMD-625	3/8Dr Dp 6 PT Skt 25mm
BS-05B	3/8Dr Adp1/2 Fx3/8 M Blk
BS-12B	3/8Dr Adp1/2 Fx3/8 M Blk
BU-1212	U-Skt12pt 3/8
BU-1214	U-Skt12pt 7/16
BU-1216	U-Skt12pt 1/2
BU-1218	U-Skt12pt 9/16
BU-1220	U-Skt12pt 5/8
BU-1222	U-Skt12pt 11/16
BU-1224	U-Skt12pt 3/4
BWM-0810	DblHd 10°Ofs BxWR 8x10
BWM-1113	DblHd 10°Ofs BxWR 11x013
BWM-1214	DblHd 10°Ofs BxWR 12x14
BWM-1415	DblHd 10°Ofs BxWR 14x15
BWM-1618	DblHd 10°Ofs BxWR 16x18
BWM-1719	DblHd 10°Ofs BxWR 17x19
BWM-1922	DblHd 10°Ofs BxWR 19x22
BWM-2124	DblHd 10°Ofs BxWR 21x24
BWM-2730	DblHd 10°Ofs BxWR 27x30
BWM-3032	DblHd 10°Ofs BxWR 30x32
C-10	Cd Chs 5 StSz 5/16
C-12	Cd Chs 5-1/4 StSz 5/16
C-16	Cd Chs 6 StSz 3/8
C-20	Cd Chs 6-1/2 StSz 1/2
C-24	Cd Chs 7 StSz 5/8
C-28	Cd Chs 7-1/2 StSz 3/8
C-32	Cd Chs 8 StSz 7/8
C-36	Cd Chs 8 StSz 7/8
C-715	RlBr 1/2 StSz 15-1/8
C-718	RlBr 5/8 StSz 18
C-8	Cd Chs 4-3/4 StSz 1/4
C-80A	Pch Bar 3/4 StSz 24
C-82A	Pch Bar 3/4 StSz 18
CC-404C	C-Cl Cpr Scr 4
CC-406C	C-Cl Cpr Scr 6
CW-4	Chain WR
EWM-0607	OE WRChrSat 6x 7mm
EWM-0708	OE WRChrSat 7x 8mm
EWM-1011	OE WRChrSat 10x 11mm
EWM-1213	OE WRChrSat 12x 13mm
EWM-1415	OE WRChrSat 14x 15mm
EWM-1618	OE WRChrSat 16x 18mm
EWM-1719	OE WRChrSat 17x 19mm
EWM-2124	OE WRChrSat 21x 24mm
EWM-2427	OE WRChrSat 24x 27mm
EWM-2730	OE WRChrSat 27x 30mm
Ex-21A	ExtrDrill Sz 1/8
Ex-21B	ExtrDrill Sz 3/16
Ex-22A	ExtrDrill Sz 7/32
Ex-24A	ExtrDrill Sz 5/16
Ex-25A	ExtrDrill Sz 15/32
Ex-25B	ExtrDrill Sz 3/8
Ex-26A	ExtrDrill Sz 9/16
Ex-28	ExtrDrill Sz 21/32
Ex-29	ExtrDrill Sz 13/16
GS-1	Master Feeler Gauge Set
GSC-12	Gasket Scr-8-3/4x1 1/2
H-104	3/4Dr Ext 3
H-110	3/4Dr Ext 8
H-115	3/4Dr Ext 16
H-1224	3/4Dr Skt12pt 3/4
H-1226	3/4Dr Skt12pt 13/16
H-1228	3/4Dr Skt12pt 7/8
H-1230	3/4Dr Skt12pt 15/16
H-1232	3/4Dr Skt12pt 1
H-1234	3/4Dr Skt12pt 1-1/16
H-1236	3/4Dr Skt12pt 1-1/8
H-1238	3/4Dr Skt12pt 1-3/16
H-1240	3/4Dr Skt12pt 1-1/4
H-1242	3/4Dr Skt12pt 1-5/16
H-1244	3/4Dr Skt12pt 1-3/8
H-1246	3/4Dr Skt12pt 1-7/16
H-1248	3/4Dr Skt12pt 1-1/2
H-1250	3/4Dr Skt12pt 1-9/16
H-1252	3/4Dr Skt12pt 1-5/8
H-1254	3/4Dr Skt12pt 1-11/16
H-1256	3/4Dr Skt12pt 1-3/4
H-1258	3/4Dr Skt12pt 1-13/16
H-1260	3/4Dr Skt12pt 1-7/8
H-1264	3/4Dr Skt12pt 2
H-1266	3/4Dr Skt12pt 2-1/16
H-1268	3/4Dr Skt12pt 2-1/8
H-1270	3/4Dr Skt12pt 2-3/16
H-1272	3/4Dr Skt12pt 2-1/4
H-1274	3/4Dr Skt12pt 2-5/16
H-1276	3/4Dr Skt12pt 2-3/8
H-140A	3/4Dr U-Joint
H-20A	3/4Dr Sliding T Hdle
H-41AA	3/4Dr FlHdl Chr22-1/8
H-51AB1	3/4Dr Ratchet 24-11/16
HD-628	3/4Dr Dp Skt6pt 7/8
HD-630	3/4Dr Dp Skt6pt 15/16
HD-632	3/4Dr Dp Skt6pt 1
HD-634	3/4Dr Dp Skt6pt 1-1/16
HD-636	3/4Dr Dp Skt6pt 1-1/8
HD-640	3/4Dr Dp Skt6pt 1-1/4
HD-642	3/4Dr Dp Skt6pt 1-5/16
HD-644	3/4Dr Dp Skt6pt 1-3/8
HD-646	3/4Dr Dp Skt6pt 1-7/16
HD-648	3/4Dr Dp Skt6pt 1-1/2
HD-652	3/4Dr Dp Skt6pt 1-5/8
HM-1219	3/4Dr Skt12pt 19mm
HM-1222	3/4Dr Skt12pt 22mm
HM-1224	3/4Dr Skt12pt 24mm
HM-1227	3/4Dr Skt12pt 27mm
HM-1230	3/4Dr Skt12pt 30mm
HM-1232	3/4Dr Skt12pt 32mm
HM-1235	3/4Dr Skt12pt 35mm
HM-1236	3/4Dr Skt12pt 36mm
HM-1238	3/4Dr Skt12pt 38mm
HM-1241	3/4Dr Skt12pt 41mm
HM-1246	3/4Dr Skt12pt 46mm
HM-1250	3/4Dr Skt12pt 50mm
HM-1254	3/4Dr Skt12pt 54mm
HM-1255	3/4Dr Skt12pt 55mm
HM-1260	3/4Dr Skt12pt 60mm
HNx-130	3/4Dr ADp 3/4 Fx1 M
HNx-131	3/4Dr ADp 3/4 Mx1 F
HSB-2.6A	Brass Hmr 2-1/2 Lb
HSB-3.8A	Brass Hmr 4 Lb
HSF-155A	Hmr Body 1-1/4 Lb 1-1/2
HSF-15N	Hmr Tip Med Hard 1-1/2
HSF-15S	Hmr Tip Soft 1-1/2
HSF-15xH	Hmr Tip Extra Hard1-1/2
JHW-16	Dead Blow Hmr16oz
JHW-32	Dead Blow Hmr32oz
M-102	1/4DrExt2
M-104	1/4DrExt4
M-106A	1/4DrSpinner Hdle
M-110	1/4DrExt 10
M-115	1/4DrExt6
M-140A	1/4DrU-Joint
M-15A	1/4DrSpeeder
M-42A	1/4DrFlHdl
M-52EHA	1/4Dr EncHd Ratchet 5
M-605	Skt6pt 5/32
M-606	Skt6pt 3/16
M-607	Skt6pt 7/32
M-608	Skt6pt 1/4
M-609	Skt6pt 9/32
M-610	Skt6pt 5/16
M-611	Skt6pt 11/32
M-612	Skt6pt 3/8
M-614	Skt6pt 7/16
M-616	Skt6pt 1/2
M-618	Skt6pt 9/16
M-808	1/4Dr Skt 8-Pt 1/4
M-810	1/4Dr Skt 8-Pt 5/16
M-812	1/4Dr Skt 8-Pt 3/8
MA-10LA	1/4Dr Lg HexBtSkt 5/16
MA-3-1/2LA	1/4Dr Lg HexBtSkt 7/64
MA-3HBA	Bl HexBtSkt 3/32
MA-3LA	1/4Dr Lg HexBtSkt 3/32
MA-4 1/2HBA	Bl HexBtSkt 9/64
MA-4-1/2LA	1/4Dr Lg HexBtSkt 9/64
MA-4HBA	Bl HexBtSkt 1/8
MA-4LA	1/4Dr Lg HexBtSkt 1/8
MA-5HBA	Bl HexBtSkt 5/32
MA-5LA	1/4Dr Lg HexBtSkt 5/32
MA-6HBA	Bl HexBtSkt 3/16
MA-6LA	1/4Dr Lg HexBtSkt 3/16
MA-7HBA	Bl HexBtSkt 7/32
MA-7LA	1/4Dr Lg HexBtSkt 7/32
MA-8HBA	Bl HexBtSkt 1/4
MA-8LA	1/4Dr Lg HexBtSkt 1/4
MD-606	Dp Skt6pt 3/16
MD-607	Dp Skt6pt 7/32
MD-608	Dp Skt6pt 1/4
MD-609	Dp Skt6pt 9/32
MD-610	Dp Skt6pt 5/16
MD-611	Dp Skt6pt 11/32
MD-612	Dp Skt6pt 3/8
MD-614	Dp Skt6pt 7/16
MD-616	Dp Skt6pt 1/2
MD-618	Dp Skt6pt 9/16
MFE-6	1/4Dr Flible Ext 6
MM-604	Mm Skt6pt 4mm
MM-605	Mm Skt6pt 5mm
MM-6055	Mm Skt6pt 55mm
MM-606	Mm Skt6pt 6mm
MM-607	Mm Skt6pt 7mm
MM-608	Mm Skt6pt 8mm
MM-609	Mm Skt6pt 9mm
MM-610	Mm Skt6pt 10mm
MM-611	Mm Skt6pt 11mm
MM-612	Mm Skt6pt 12mm
MM-613	Mm Skt6pt 13mm
MM-614	Mm Skt6pt 14mm
MMD-604	Mm Dp Skt6pt 4mm
MMD-605	Mm Dp Skt6pt 5mm
MMD-6055	Mm Dp Skt6pt 55mm
MMD-606	Mm Dp Skt6pt 6mm
MMD-607	Mm Dp Skt6pt 7mm
MMD-608	Mm Dp Skt6pt 8mm
MMD-609	Mm Dp Skt6pt 9mm
MMD-610	Mm Dp Skt6pt10mm
MMD-611	Mm Dp Skt6pt 11mm
MMD-612	Mm Dp Skt6pt 12mm
MMD-613	Mm Dp Skt6pt 13mm
MMD-614	Mm Dp Skt6pt 14mm
MWS-27	Hex Key Set 11-pcs
MWS-47	Hex Key Set 7-pcs
O-471	Adj Pin Spr 3/4 To 2
O-472	Adj Pin Spr 1-1/4 To 3
OES-0607	Dbl Oe WR 3/16x7/32Sh
OES-0809	Dbl Oe WR 1/4x9/32Sh
OES-1011	Dbl Oe WR 5/16x11/32Sh
OES-1214	Dbl Oe WR 3/8x7/16Sh
OES-1618	Dbl Oe WR 1/2x9/16Sh
P-10	Pinpch 7 StSz 1/2
P-13	Sldpch 4-1/2 StSz 5/16
P-14	Sldpch 4-1/2 StSz 5/16
P-15	Sldpch 5 StSz 3/8
P-16	Sldpch 5 StSz 3/8
P-17	Sldpch 6 StSz 1/2
P-25	LgTprPch 8-1/2 StSz 1/2
P-26	LgTprPch 9 StSz 1/2
P-28	LgTprPch 11 StSz 5/8
P-3	Pinpch 4-3/4 StSz 5/16
P-30	Prickpch 5 StSz 3/8
P-4	Pinpch 5 StSz 5/16
P-40	Centerpch 5 StSz 3/8
P-42	Centerpch 6 StSz 1/2
P-5	Pinpch 5-1/4 StSz 5/16
P-6	Pinpch 5-1/2 StSz 5/16
P-8	Pinpch 7 StSz 3/8
PL-1515	Lck Rg Pls8
PL1519C	Superjoint Pls 5
PL-1600C	Snap Rg Pls & Tips Set
PL-529	Hvy Dty Snap Rg Pls Set
PL-533	Fixed Tip Ret Rg Pl-Ext
PL-534	Fixed Tip Ret Rg Pl-Ext
PLS-6A	General Service Pls Set
RB-1214	Rat Chr 6pt 3/8x7/16
RB-1618	Rat Chr 6pt 1/2x9/16
RB-2022	Rat Chr 12pt 5/8x11/16
RB-2428	Rat Chr 12pt 3/4x7/8
RB-42	Sg Rat WR 1-5/16
RB-44	Sg Rat WR 1-3/8
RB-46	Sg Rat WR 1-7/16
RB-48	Sg Rat WR 1-1/2
RB-50	Sg Rat WR 1-9/16
RB-52	Sg Rat WR 1-5/8
RB-54	Sg Rat WR 1-11/16
RB-56	Sg Rat WR 1-3/4
RB-58	Sg Rat WR 1-13/16
RB-60	Sg Rat WR 1-7/8
RB-64	Sg Rat WR2
RB-68	Sg Rat WR 2-1/8
RB-810	Rat Chr 6pt 1/4x5/16
RBM-0708	Mm RatBxWR 7x 8mm
RBM-0910	Mm RatBxWR 9x 10mm
RBM-1112	Mm RatBxWR 11x 12mm
RBM-1314	Mm RatBxWR 13x 14mm
RBM-1517	Mm RatBxWR 15x 17mm
RBM-22	RatBxWR 22mm
RBM-23	RatBxWR 23mm
RBM-24	RatBxWR 24mm
RBM-25	RatBxWR 25mm
RBM-26	RatBxWR 26mm
RBM-27	RatBxWR 27mm
RBM-29	RatBxWR 29mm
RBM-30	RatBxWR 30mm
RBM-32	RatBxWR 32mm
RBM-36	RatBxWR 36mm
RBO-1214	OfsRatWRChr12pt 3/8x7/16
RBO-1618	OfsRatWRChr12pt 1/2x9/16
RBO-2022	OfsRatWRChr12pt 5/8x11/16
RBO-2428	OfsRatWRChr12pt 3/4x7/8
RBO-810	OfsRatWRChr12pt 1/4x5/16
RFW-12	Rat FL NUT WR3/8
RFW-14	Rat FL NUT WR7/16
RFW-16	Rat FL NUT WR1/2
RFW-18	Rat FL NUT WR9/16
RFW-20	Rat FL NUT WR5/8
RFW-22	Rat FL NUT WR11/16
RFW-24	Rat FL NUT WR3/4
RFW-26	Rat FL NUT WR13/16
RFW-28	Rat FL NUT WR7/8
RFW-30	Rat FL NUT WR15/16
RFW-32	Rat FL NUT WR1
S-102P	1/2Dr Ext2
S-10A	1/2Dr Speeder 13-5/8
S-110P	1/2Dr Ext5
S-115P	1/2Dr Ext10
S-121P	1/2Dr Ext20
S-140A	1/2DrU-Joint
S-15A	1/2Dr Speeder 18-1/16
S-20A	1/2Dr Sliding T Hdle
S-40AA	1/2Dr FlHdl 10-7/16
S-41AA	1/2Dr FlHdl 15-1/2
S-52EHA	1/2Dr EncHd Rat 10-3/8
S-52EHLA	1/2Dr EncHd Rat 15
S-60D	1/2Dr Stud Remover
S-70	1/2Dr Ratchet Spinner
SA-10A	HexBtSkt 5/16
SA-10A-3P	1/2Dr Ph Skt 3-Pt
SA-10A-3S	1/2Dr SlBitSkt
SA-10LA	Lg HexBtSkt 5/16
SA-12A	HexBtSkt 3/8
SA-12A-4P	1/2Dr Ph Skt 4-Pt
SA-12A-4S	1/2Dr SlBitSkt
SA-12LA	Lg HexBtSkt 3/8
SA-16A	HexBtSkt 1/2
SA-16LA	Lg HexBtSkt 1/2
SA-18A	HexBtSkt 9/16
SA-18LA	Lg HexBtSkt 9/16
SA-20A	HexBtSkt 5/8
SA-20LA	Lg HexBtSkt 5/8
SA-8A	HexBtSkt 1/4
SA-8LA	Lg HexBtSkt 1/4
SB-30	1/2DrDragLnk Skt 1-1/2
SB-40	1/2DrDragLnk Skt 1-9/16
SB-40AA	1/2Dr FlHdl 10-13/16 Blk
SB-526	1/2Dr Penta-Skt
SH-130	1/2Dr ADp 1/2 Fx3/4 M
SMD-1213	Mm Dp Skt12pt 13mm
SMD-1214	Mm Dp Skt12pt 14mm
SMD-1215	Mm Dp Skt12pt 15mm
SMD-1216	Mm Dp Skt12pt 16mm
SMD-1217	Mm Dp Skt12pt 17mm
SMD-1218	Mm Dp Skt12pt 18mm
SMD-1219	Mm Dp Skt12pt 19mm
SMD-1221	Mm Dp Skt12pt 21mm
SMD-1222	Mm Dp Skt12pt 22mm
SMD-1224	Mm Dp Skt12pt 24mm
SMD-1227	Mm Dp Skt12pt 27mm
SMD-1230	Mm Dp Skt12pt 30mm
SDR-22	SQ Shank Scr Sl 3
SDR-24	SQ Shank Scr Sl 4
SDR-26	SQ Shank Scr Sl 6
SDR-28	SQ Shank Scr Sl 8
SDS-33	SQ Shank Scr Sl 12
SDS-62	SQ Shank Scr Sl Stby
ST-1212	1/2Dr Std12ptSkt 3/8
ST-1214	1/2Dr Std12ptSkt 7/16
ST-1216	1/2Dr Std12ptSkt 1/2
ST-1218	1/2Dr Std12ptSkt 9/16
ST-1219	1/2Dr Std12ptSkt 19/32
ST-1220	1/2Dr Std12ptSkt 5/8
ST-1221	1/2Dr Std12ptSkt 21/32
ST-1222	1/2Dr Std12ptSkt 11/16
ST-1224	1/2Dr Std12ptSkt 3/4
ST-1225	1/2Dr Std12ptSkt 25/32
ST-1226	1/2Dr Std12ptSkt 13/16
ST-1228	1/2Dr Std12ptSkt 7/8
ST-1230	1/2Dr Std12ptSkt 15/16
ST-1231	1/2Dr Std12ptSkt 31/32
ST-1232	1/2Dr Std12ptSkt 1
ST-1234	1/2Dr Std12ptSkt 1 1/16
ST-1236	1/2Dr Std12ptSkt 1 1/8
ST-1238	1/2Dr Std12ptSkt 1 3/16
ST-1240	1/2Dr Std12ptSkt 1 1/4
ST-1242	1/2Dr Std12ptSkt 1 5/16
ST-1244	1/2Dr Std12ptSkt 1 3/8
ST-1246	1/2Dr Std12ptSkt 1 7/16
ST-1248	1/2Dr Std12ptSkt 1 1/2
ST-812	1/2Dr Std8ptSkt 3/8
ST-814	1/2Dr Std8ptSkt 7/16
ST-816	1/2Dr Std8ptSkt 1/2
ST-818	1/2Dr Std8ptSkt 9/16
ST-820	1/2Dr Std8ptSkt 5/8
ST-822	1/2Dr Std8ptSkt 11/16
ST-824	1/2Dr Std8ptSkt 3/4
ST-826	1/2Dr Std8ptSkt 13/16
ST-828	1/2Dr Std8ptSkt 7/8

Contents: Mammoth Set WSC-1390TB (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
ST-830	1/2Dr Std8ptSkt 15/16	STM-1219	1/2Dr Skt12pt 19mm	STM-1236	1/2Dr Skt12pt 36mm	W40RC7	40" Roll Cabinet
ST-832	1/2Dr Std8ptSkt 1	STM-1220	1/2Dr Skt12pt 20mm	TS38375	TurboSkt SavSkt 3/8	W40TC4	40" Top Chest
ST-834	1/2Dr Std8ptSkt 1 1/16	STM-1221	1/2Dr Skt12pt 21mm	TS38394	TurboSkt SavSkt 10mm	W55RC11	55" Roll Cabinet
ST-836	1/2Dr Std8ptSkt 1 1/8	STM-1222	1/2Dr Skt12pt 22mm	TS38437	TurboSkt SavSkt 7/16	W55TC10	55" Top Chest
ST-840	1/2Dr Std8ptSkt 1 1/4	STM-1223	1/2Dr Skt12pt 23mm	TS38472	TurboSkt SavSkt 12mm	WRS-1	Rat Scr
STM-1210	1/2Dr Skt12pt 10mm	STM-1224	1/2Dr Skt12pt 24mm	TS38500	TurboSkt SavSkt 1/2	WRST1	T Hdle Rat Scr Stby
STM-1211	1/2Dr Skt12pt 11mm	STM-1225	1/2Dr Skt12pt 25mm	TS38512	TurboSkt SavSkt 13mm	WS-44	Hex Key Set 13-pcs
STM-1212	1/2Dr Skt12pt 12mm	STM-1226	1/2Dr Skt12pt 26mm	TS38551	TurboSkt SavSkt 14mm	WS-45	Hex Key Set 8-pcs
STM-1213	1/2Dr Skt12pt 13mm	STM-1227	1/2Dr Skt12pt 27mm	TS38562	TurboSkt SavSkt 9/16	WSM-11TRC	1/4Dr HexBtSkt Set 10-pc
STM-1214	1/2Dr Skt12pt 14mm	STM-1228	1/2Dr Skt12pt 28mm	TS38591	TurboSkt SavSkt 15mm	WSM-4TRC	1/4Dr HexBtSkt Set 4-pc
STM-1215	1/2Dr Skt12pt 15mm	STM-1229	1/2Dr Skt12pt 29mm	TS38625	TurboSkt SavSkt 5/8	WTC-11	Wire Twister/Ctr 8-1/2
STM-1216	1/2Dr Skt12pt 16mm	STM-1230	1/2Dr Skt12pt 30mm	TS38669	TurboSkt SavSkt 17mm		
STM-1217	1/2Dr Skt12pt 17mm	STM-1232	1/2Dr Skt12pt 32mm	TS38687	TurboSkt SavSkt 11/16		
STM-1218	1/2Dr Skt12pt 18mm	STM-1234	1/2Dr Skt12pt 34mm	TS38750	TurboSkt SavSkt 3/4		

Contents: Mammoth Set Fractional WSC-1390SAE

Refer to Master Sets Section Pages 20 & 21 for Photo and Description

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1002MFRMH	3/8Dr Cl Trq Wr 100 F-Lb	1208RC	1/4 Rat Comb WR	12605	Dbl Fl Hd WR 5/8x11/16	1727	OE WR 9/16x5/8
1020	OE WR 1/4x5/16	1-210-04-3-2	4 1/2RD SM File w/PlHdl	12607	Dbl Fl Hd WR 3/4x7/8	1729B	OE WR 11/16x3/4
1033C	OE WR 15/16x1	1-210-08-1-2	8 1/2RD BST File w/Hdle	12-610	3/8Dr DplmSkt6pt 5/16	1731B	OE WR 13/16x7/8
1037	OE WR 1-1/16x1-1/4	1210RC	Rev Rat Comb WR 5/16	12-612	3/8Dr DplmSkt6pt 3/8	2-02B	3/8Dr Im Ext 3
1037B	OE WR1-1/8x1-3/16	1210RCF	Fl-Hd Rat Comb WR 5/16	12-614	3/8Dr DplmSkt6pt 7/16	20401	20oz FG Crv Claw Hmr
10600	DblHd FL WR 3/8x7/16	1210RCS	Stby Rat Comb WR 5/16	12-616	3/8Dr DplmSkt6pt 1/2	20544	16oz Bl PN FG Hdle Hmr
10602	DblHd FL WR 1/2x9/16	1210SC	WRChrSat12pt 5/16	12-618	3/8Dr DplmSkt6pt 9/16	20545	24oz Bl PN FG Hdle Hmr
10604	DblHd FL WR 5/8x11/16	1212RC	Rev Rat Comb WR 3/8	12-620	3/8Dr DplmSkt6pt 5/8	20651	48oz CrPN FG LgHdl Hmr
10606	DblHd FL WR 3/4x7/8	1212RCF	Fl-Hd Rat Comb WR 3/8	12-622	3/8Dr DplmSkt6pt 11/16	20678	32ozDrilling FG Hdle Hmr
1-100-04-3-2	4 Hd SM File w/PlHdl	1212RCS	Stby Rat Comb WR 3/8	12-624	3/8Dr DplmSkt6pt 3/4	208	Mini Hksw Alum Hdle 10
1-100-08-1-2	8 Hd BST File w/Hdle	1212SC	WRChrSat12pt 3/8	12-626	3/8Dr DplmSkt6pt 13/16	2-103A	3/8Dr Im Ext 3
1-100-08-2-2	8 Hd 2ND File w/Hdle	1214RC	Rev Rat Comb WR 7/16	12-628	3/8Dr DplmSkt6pt 7/8	2-106A	3/8Dr Im Ext 6
1-111-04-3-2	4 WRD SM File w/PlHdl	1214RCF	Fl-Hd Rat Comb WR 7/16	12-630	3/8Dr DplmSkt6pt 15/16	2-140B	3/8Dr Im U-Joint
1112A	Min OE WRChrSat 3/16	1214RCS	Stby Rat Comb WR 7/16	12-632	3/8Dr DplmSkt6pt 1	21661	2pc PryBarBmdHdl 8&18
1113A	Min OE WRChrSat 13/64	1214SC	WRChrSat12pt 7/16	13406A	Chr Adj WRes 6	2203-8	Diagonal Cutting Plier Straight ergo® 8"
1114A	Min OE WRChrSat 7/32	1216RC	Rev Rat Comb WR 1/2	13408A	Chr Adj WRes 8	222D	Alligator Pl 6
1115A	Min OE WRChrSat 15/64	1216RCF	Fl-Hd Rat Comb WR 1/2	13410A	Chr Adj WRes 10	223D	Alligator Pl 7-1/2
1116A	Min OE WRChrSat 1/4	1216RCS	Stby Rat Comb WR 1/2	13412A	Chr Adj WRes 12	224D	Alligator Pl 9-1/2
1118A	Min OE WRChrSat 9/32	1216SC	WRChrSat12pt 1/2	13418A	18 Chr Adj WR Pol Hd	23101	6-1/4 Sl Jt Pl
1120A	Min OE WRChrSat 5/16	1218RC	Rev Rat Comb WR 9/16	13518	Cast Iron Pipe WR 8	23103	9-3/4 Sl Jt Pl
1122A	Min OE WRChrSat 11/32	1218RCF	Fl-Hd Rat Comb WR 9/16	13522	Cast Iron Pipe WR 12	23107	15-3/4 Gr Jt Pl 9 Pos
1124A	Min OE WRChrSat 3/8	1218RCS	Stby Rat Comb WR 9/16	13526	Cast Iron Pipe WR 18	23201	CrvJaw w/Ctr LckPl 5
1128A	Min OE WRChrSat 7/16	1218SC	WRChrSat12pt 9/16	13609	Bl End Hex KeyLgMet13-pc	23202	CrvJaw w/Ctr LckPl 7
11312	Stby Comb WR 3/8	1220RC	Rev Rat Comb WR 5/8	13625A	15 Const Adj WR	23203	CrvJaw w/Ctr LckPl 10
11314	Stby Comb WR 7/16	1220RCF	Fl-Hd Rat Comb WR 5/8	14-612	1/2Dr DplmSkt6pt 3/8	23301	CrvJaw wire Ctr LckPl 5
11316	Stby Comb WR 1/2	1220RCS	Stby Rat Comb WR 5/8	14-614	1/2Dr DplmSkt6pt 7/16	23302	CrvJaw wire Ctr LckPl 7
11318	Stby Comb WR 9/16	1220SC	WRChrSat12pt 5/8	14-616	1/2Dr DplmSkt6pt 1/2	23305	Str Jaw LckPl 10
1132A	Min OE WRChrSat 1/2	1222RC	Rev Rat Comb WR 11/16	14-618	1/2Dr DplmSkt6pt 9/16	23310	Lg Ns wire Ctr LckPls 9
11320	Stby Comb WR 5/8	1222RCF	Fl-Hd Rat Comb WR 11/16	14-620	1/2Dr DplmSkt6pt 5/8	23320	Lck C-Cl LckPl 6
11322	Stby Comb WR 11/16	1222RCS	Stby Rat Comb WR 11/16	14-622	1/2Dr DplmSkt6pt11/16	23403	8" Linesman Plier
11324	Stby Comb WR 3/4	1222SC	WRChrSat12pt 11/16	14-624	1/2Dr DplmSkt6pt 3/4	23406	6-1/4" Heavy Duty Diagonal Cutting
1136A	Min OE WRChrSat 9/16	1224RC	Rev Rat Comb WR 3/4	14-626	1/2Dr DplmSkt6pt13/16	23409	6-1/4" Bent Nose
1140A	Min OE WRChrSat 5/8	1224RCF	Fl-Hd Rat Comb WR 3/4	14-628	1/2Dr DplmSkt6pt 7/8	23410	6-1/4" Long Nose
1-160-04-3-2	4 SQ SM File w/PlHdl	1224RCS	Stby Rat Comb WR 3/4	14-630	1/2Dr DplmSkt6pt15/16	23411	8" Long Nose
1-160-08-1-2	8 SQ BST File w/Hdle	1224SC	WRChrSat12pt 3/4	14-632	1/2Dr DplmSkt6pt 1	23503	FrEnd Strip-Cut/Crimper
1-170-04-3-2	4 3 SQ SM File w/PlHdl	1224TSB	Str Bx Tub WR-3/4	14-634	1/2Dr DplmSkt6pt 1-1/16	23506	Heavy Duty Stripper/Ctr
1180	WRChrSat12pt 1 5/8	1226RC	Rev Rat Comb WR 13/16	14-636	1/2Dr DplmSkt6pt 1-1/8	23512	Romex Tl Dual Type
1182	WRChrSat12pt 1 11/16	1226SC	WRChrSat12pt 13/16	14-638	1/2Dr DplmSkt6pt 1-3/16	23530	Coax Cable Tl
1184	WRChrSat12pt 1 3/4	1226TSB	Str Bx Tub WR-13/16	14-640	1/2Dr DplmSkt6pt 1-1/4	23535	Cg Super Stripper 20-30
1186	WRChrSat12pt 1 13/16	1228RC	Rev Rat Comb WR 7/8	14-642	1/2Dr DplmSkt6pt 1-5/16	23541	Elec Mini-Ctr 5-1/2
1188	WRChrSat12pt 1 7/8	1228SC	WRChrSat12pt 7/8	14-644	1/2Dr DplmSkt6pt 1-3/8	23542	Elec Mini-Stripper 5-1/2
1190	WRChrSat12pt 2	1228TSB	Str Bx Tub WR-7/8	14-646	1/2Dr DplmSkt6pt 1-7/16	23543	Elec Mini-Crimper 5-1/2
11900	Fl Hd Comb WR 3/8	1-230-04-3-2	4 RD SM File w/PlHdl	14-648	1/2Dr DplmSkt6pt 1-1/2	23603	9 Lnms Dipped Hdles
11901	Fl Hd Comb WR 7/16	1-230-08-1-2	8 RD BST File w/Hdle	16-624	3/4Dr DplmSkt6pt 3/4	23801	Conv Ret Rg Pl Cap 2
11902	Fl Hd Comb WR 1/2	1230RC	Rev Rat Comb WR 15/16	16-626	3/4Dr DplmSkt6pt13/16	23803	Conv Ret Rg Pl Cap 1
11903	Fl Hd Comb WR 9/16	1230SC	WRChrSat12pt 15/16	16-628	DplmSkt6pt 7/8	24201A	Cab Scr 1/8x4
11904	Fl Hd Comb WR 5/8	1230TSB	Str Bx Tub WR-15/16	16-630	DplmSkt6pt 15/16	24205A	Sl Scr 3/16x4
11905	Fl Hd Comb WR 11/16	1232RC	Rev Rat Comb WR 1	16-632	DplmSkt6pt 1	24207A	Cab Scr 3/16x3
11906	Fl Hd Comb WR 3/4	1232SC	WRChrSat12pt 1	16-634	DplmSkt6pt 1 1/16	24211A	Cab Scr 3/16x6
1191	WRChrSat12pt 2 1/16	1232TOE	OE Tub WR-1	16-636	DplmSkt6pt 1 1/8	24213A	Cab Scr 3/16x10
1192	WRChrSat12pt 2 1/8	1232TSB	Str Bx Tub WR-1	16-640	DplmSkt6pt 1 1/4	24217A	Sl Scr 1/4x1 1/2
1193	WRChrSat12pt 2 3/16	1234SC	WRChrSat12pt 1-1/16	16-642	DplmSkt6pt 1 5/16	24219A	Sl Scr 1/4x4
1194	WRChrSat12pt 2 1/4	1234TOE	OE Tub WR-1-1/16	16-644	3/4Dr DplmSkt6pt 1-3/8	24237A	Sl Scr 5/16x6
1195	WRChrSat12pt 2 3/8	1234TSB	Str Bx Tub WR-1-1/16	16-646	3/4Dr DplmSkt6pt 1-7/16	24239A	5/16x8 Rd Sl Bmd Hdle
11952	Ofs Comb WR 3/8	1236SC	WRChrSat12pt 1-1/8	16-648	DplmSkt6pt 1 1/2	24241A	Sl Scr 3/8x8
11953	Ofs Comb WR 7/16	1236TOB	Off Bx Tub Wr-1-1/8	16-650	3/4Dr DplmSkt6pt 1-9/16	24243A	3/8x12 Rd Sl Bmd Hdle
11954	Ofs Comb WR 1/2	1236TOE	OE Tub WR-1-1/8	16-652	3/4Dr DplmSkt6pt 1-5/8	24249A	Ph Scr # 1x3
11955	Ofs Comb WR 9/16	1236TSB	Str Bx Tub WR-1-1/8	16-654	3/4Dr DplmSkt6pt 1-11/16	24251A	Ph Scr # 2x1 1/2
11956	Ofs Comb WR 5/8	1240SC	WRChrSat12pt 1-1/4	16-656	3/4Dr DplmSkt6pt 1-3/4	24253A	Ph Scr # 2x4
11957	Ofs Comb WR 11/16	1242	WRChrSat12pt 1-5/16	16-658	3/4Dr DplmSkt6pt 1-13/16	24259A	#3x6 Ph Bmd Hdle
11958	Ofs Comb WR 3/4	1244	WRChrSat12pt 1 3/8	16-660	3/4Dr DplmSkt6pt 1-7/8	24263A	Torx Scr T10x4
11959	Ofs Comb WR 13/16	1246	WRChrSat12pt 1 7/16	16-664	3/4Dr DplmSkt6pt 2	24265A	Torx Scr T15x4
11960	Ofs Comb WR 7/8	1248	WRChrSat12pt 1 1/2	1723	OE WRench 3/8x7/16	24267A	Torx Scr T20x4
1197	WRChrSat12pt 2 1/2	12601	Dbl Fl Hd WR 3/8x7/16	1725	OE WR 7/16x1/2	24269A	Torx Scr T25x4
1206MRC	6mm Rat Comb WR	12603	Dbl Fl Hd WR 1/2x9/16	1725B	OE WR 1/2x9/16	24271A	Torx Scr T27x4

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Mammoth Set Fractional WSC-1390SAE (con't)

Product Code	Description
24273A	Torx Scr T30x4
24401	3/16 Csh Gr Ntdrv
24403	1/4 Csh Gr Ntdrv
24405	5/16 Csh Gr Ntdrv
24407	11/32 Csh Gr Ntdrv
2-4A	3/8Dr Im Adp3/8Fx1/2M
24TH	Tub WR Hdle-24
2503MFRMH	1/2Dr Cl Trq WR 250 F-Lb
2-608	3/8Dr ImSkt6pt 1/4
2-610	3/8Dr ImSkt6pt 5/16
2-612	3/8Dr ImSkt6pt 3/8
2-614	3/8Dr ImSkt6pt 7/16
2-616	3/8Dr ImSkt6pt 1/2
2-618	3/8Dr ImSkt6pt 9/16
2-620	3/8Dr ImSkt6pt 5/8
2-622	3/8Dr ImSkt6pt 11/1
2-624	3/8Dr ImSkt6pt 3/4
2-626	3/8Dr ImSkt6pt 13/1
2-628	3/8Dr ImSkt6pt 7/8
2628G-180	Side Cutting Combination Plier ergo® 7"
2-630	3/8Dr ImSkt6pt 15/1
2-632	3/8Dr ImSkt6pt 1
PL-209X	Lnms's Pl Cmf Gr 9 -1/2
28201	Av Snips Left
28203	Av Snips Right
28205	Av Snips Str
28301	Str Pat Tin Snips 7
28307	Str Pat Tin Snips 12
28449	Pch & Chs Holder
30009	1/4 Fx3/8 M Adapter
300-14-F15/16-HP	TlBx Saw Pl14 15TPI
31008	3/8 Fx1/4 M Adapter
31009	3/8 Fx1/2 M Adapter
31301	3/8Dr SpkPl Skt 5/8
31303	3/8Dr SpkPl Skt 13/16
32008	1/2 Fx3/8 M Adapter
32412	1/2Dr Skt 3/8
32414	1/2Dr Skt 7/16
32416	1/2Dr Skt 1/2
32418	1/2Dr Skt 9/16
32420	1/2Dr Skt 5/8
32422	1/2Dr Skt 11/16
32424	1/2Dr Skt 3/4
32426	1/2Dr Skt 13/16
32428	1/2Dr Skt 7/8
32430	1/2Dr Skt 15/16
32432	1/2Dr Skt 1
32434	1/2Dr Skt 1 1/16
32436	1/2Dr Skt 1 1/8
32438	1/2Dr Skt 1 3/16
32440	1/2Dr Skt 1 1/4
32448	1/2Dr Skt 1 1/2
325	Prof Hksw Hdle 12
33008	3/4F*1/2MAdapter
35040	1/4Dr ScrBt Skt Sl 5/32
35041	1/4Dr ScrBt Skt Sl 7/32
35042	1/4Dr ScrBt Skt Sl 9/32
35050	1/4Dr ScrBt Skt Ph # 0
35051	1/4Dr ScrBt Skt Ph # 1
35052	1/4Dr ScrBt Skt Ph # 2
35080	1/4Dr Torx Bit Skt T10
35081	1/4Dr Torx Bit Skt T15
35082	1/4Dr Torx Bit Skt T20
35083	1/4Dr Torx Bit Skt T25
35084	1/4Dr Torx Bit Skt T27
35085	1/4Dr Torx Bit Skt T30
35182	3/8Dr Torx Bit Skt T25
35183	3/8Dr Torx Bit Skt T27
35184	3/8Dr Torx Bit Skt T30
35185	3/8Dr Torx Bit Skt T40
35186	3/8Dr Torx Bit Skt T45
35187	3/8Dr Torx Bit Skt T47
35188	3/8Dr Torx Bit Skt T50
35192	3/8Dr Torx Bit Skt T25
35193	3/8Dr Torx Bit Skt T27
35194	3/8Dr Torx Bit Skt T30
35195	3/8Dr Torx Bit Skt T40
35196	3/8Dr Torx Bit Skt T45
35197	3/8Dr Torx Bit Skt T47
35198	3/8Dr Torx Bit Skt T50
36TH	Tub WR Hdle-36
3816-300	Tung Carbide Hksw Bl 12
38216	3/4Dr Hex ImSkt 1/2
38218	3/4Dr Hex ImSkt 9/16
38220	3/4Dr Hex ImSkt 5/8
38224	3/4Dr Hex ImSkt 3/4
38226	3/4Dr Hex ImSkt 13/16
38228	3/4Dr Hex ImSkt 7/8
38232	3/4Dr Hex ImSkt 1
38238	3/4Dr Hex ImSkt 1 1/8
38240	3/4Dr Hex ImSkt 1 1/4
3840-100-10-SC-1P	BiRecipBL 4 10TPI
3840-100-18-SC-1P	BiRecipBL 4 18TPI
3840-100-24-ST-1P	BiRecipBL 4 24TPI U-Thg
3840-100-6-ST-1P	BiRecipBL 4 6TPI U-Thg
3840-150-10-ST-1P	BiRecipBL 6 10TPI U-Thg
3840-150-14-ST-1P	BiRecipBL 6 14TPI U-Thg
3840-150-18-ST-1P	BiRecipBL 6 18TPI U-Thg
3840-150-24-ST-1P	BiRecipBL 6 24TPI U-Thg
3840-150-5/8-SL-1P	BiRecipBL 6 5/8TPI
3840-150-7-SL-1P	BiRecipBL 6 7TPI
396-LAP	Fldg Saw Bmd 8 7TPI
40000	1/4x6 GsktScpr BmdHdl
40052	QckBl AutoUtKnife 5pk025
40058	Fldg Ut Knife
40072	QckBl DispBulk100pk 025
40150	Tel Pick-Up Tl BmdHdl
40201	4pc Minipick/hookBmdHdl
40221	12 Strap WR
40251	4pc Ut Tl Set BmdHdl
4-6	1/2Dr Im Adp1/2 Fx3/4
40701	3/4Dr Im Adp 3/4 Fx1
4-102	1/2Dr Im Ext 3-1/2
4-105A	1/2Dr Im Ext 5
4-110A	1/2Dr Im Ext10
4-140B	1/2Dr Im U-Joint
42302	Std Seat Creeper
4-2F	1/2Dr Im Adp1/2 Fx3/8
43605	Tube Ctr 1-1/8
43618	Pl Hose Ctr
4559-24	Bolt Ctr Cmf Grs 24
4-612	1/2Dr ImSkt6pt 3/8
4-614	1/2Dr ImSkt6pt7/16
4-616	1/2Dr ImSkt6pt1/2
4-618	1/2Dr ImSkt6pt9/16
4-620	1/2Dr ImSkt6pt5/8
4-622	1/2Dr ImSkt6pt11/16
4-624	1/2Dr ImSkt6pt3/4
4-626	1/2Dr ImSkt6pt13/16
4-628	1/2Dr ImSkt6pt7/8
4-630	1/2Dr ImSkt6pt15/16
4-632	1/2Dr ImSkt6pt1
4-634	1/2Dr ImSkt6pt1-1/16
4-636	1/2Dr ImSkt6pt1-1/8
4-638	1/2Dr ImSkt6pt1-3/16
4-640	1/2Dr ImSkt6pt1-1/4
4-642	1/2Dr ImSkt6pt1-5/16
4-644	1/2Dr ImSkt6pt1-3/8
4-646	1/2Dr ImSkt6pt1-7/16
4-648	1/2Dr ImSkt6pt1-1/2
471	Adj Hk Spr 3/4 To 2
472	Adj Hk Spr 1-1/4 To 3
474	Adj Hk Spr 2 To 4-3/4
6004MFRMH	3/4Dr Cl Trq WR 600 F-Lb
6-107	3/4Dr Im Ext 7
6-110	3/4Dr Im Ext 9-3/4
6-113	3/4Dr Im Ext 12-3/4
6-140B	3/4Dr Im U-Joint
6-1XS	Ret Rg
625	Scrp1 TripleW/Hol
625-DROP	Drop-Shape Bl625 Scrp
625-PEAR	Pear-Shape Bl625 Scrp
625-RD	RD Bl625 Scrp
6-4A	3/4Dr ImAdp 3/4 Fx1/2M
6-618A	3/4Dr ImSkt6pt 9/16
6-620A	3/4Dr ImSkt6pt 5/8
6-622A	3/4Dr ImSkt6pt 11/16
6-624A	Std ImSkt6pt 3/4
6-626A	Std ImSkt6pt 13/16
6-628A	Std ImSkt6pt 7/8
6-630A	Std ImSkt6pt 15/16
6-632A	Std ImSkt6pt 1
6-634A	Std ImSkt6pt 1 1/16
6-636	Std ImSkt6pt 1 1/8
6-640	Std ImSkt6pt 1 1/4
6-642	Std ImSkt6pt 1 5/16
6-644	Std ImSkt6pt 1 3/8
6-646	Std ImSkt6pt 1 7/16
6-648	Std ImSkt6pt 1 1/2
665	Scrp2-1/2 Dbl Bl
6-652	Std ImSkt6pt 1 5/8
6-654	3/4Dr ImSkt6pt1-11/16
6-656	3/4Dr ImSkt6pt 1-3/4
6-658	3/4Dr ImSkt6pt1-13/16
6-660	3/4Dr ImSkt6pt 1-7/8
6-662	3/4Dr ImSkt6pt1-15/16
6-664	3/4Dr ImSkt6pt2
6-666	3/4Dr ImSkt6pt2-1/16
6-670	3/4Dr ImSkt6pt2-3/16
6-672	3/4Dr ImSkt6pt2-1/4
6-676	3/4Dr ImSkt6pt2-3/8
7029B	BxWRChrSat12pt 11/16x3/4
7033C	BxWRChrSat12pt 15/16x1
7723	BxWRChrSat12pt 3/8x7/16
7725B	BxWRChrSat12pt 1/2x9/16
7727A	BxWRChrSat12pt 5/8x11/16
7731A	BxWRChrSat12pt 3/4x7/8
7731B	BxWRChrSat12pt 13/16x7/8
808050S-22	Ratcheting Scr Set
8223	Adj Joint Pls 8
8225	Adj Joint Pls 12
860114	Bi Hksw Bl 12 18TPI 10P
860124	Bi Hksw Bl 12 24TPI 10P
862017	Prof Holesaw Set 17pc
87079	10 Ton Manmaster Gear Set
9031RUS	Blkx-Wide Adj WR 8
9070RPUS	Blk Adj/Pipe WR 6
9072RPUS	Blk Adj/Pipe WR 10
9-12-51/3806-KP	Bws w/Bws & Hack Bl
9-467-00-0-0	File Cleaner
B-101	3/8Dr Ext 1 1/2
B-108	3/8Dr Ext 3
B-110	3/8Dr Ext 6
B-115	3/8Dr Ext 11
B-118	3/8Dr Ext 18
B-1208	Skt12pt 1/4
B-1210	Skt12pt 5/16
B-1212	Skt12pt 3/8
B-1214	Skt12pt 7/16
B-1216	Skt12pt 1/2
B-1218	Skt12pt 9/16
B-1220	Skt12pt 5/8
B-1222	Skt12pt 11/16
B-1224	Skt12pt 3/4
B-1226	Skt12pt 13/16
B-1228	Skt12pt 7/8
B-1230	Skt12pt 15/16
B-1232	Skt12pt 1
B-140A	3/8Dr U-Joint
B-15	3/8Dr Speeder
B-20A	3/8Dr Sliding T Hdle
B-40A	3/8Dr FlHdl
B-52EHA	3/8Dr EncHd Rat 8
B-52EHLA	3/8Dr EncHd Rat 10-3/4
B-70	Chr Ratchet Spinner
BA-10A	Sh HexBtSkt 5/16
BA-10A-3P	3/8Dr Ph Skt 3-Pt
BA-10A-3S	3/8Dr SlSkt 9/32x045
BA-10A-4S	3/8Dr SlSkt 5/16x055
BA-10HBA	Bl HexBtSkt 5/16
BA-10LA	Lg HexBtSkt 5/16
BA-12A	Sh HexBtSkt 3/8
BA-12A-4P	3/8Dr Ph Skt 4-Pt
BA-12HBA	Bl HexBtSkt 3/8
BA-12LA	Lg HexBtSkt 3/8
BA-4A	Sh HexBtSkt 1/8
BA-4HBA	Bl HexBtSkt 1/8
BA-4LA	Lg HexBtSkt 1/8
BA-5A	Sh HexBtSkt 5/32
BA-5A-1S	3/8Dr SlSkt 3/16x032
BA-5HBA	Bl HexBtSkt 5/32
BA-5LA	Lg HexBtSkt 5/32
BA-6A	Sh HexBtSkt 3/16
BA-6HBA	Bl HexBtSkt 3/16
BA-6LA	Lg HexBtSkt 3/16
BA-7A	Sh HexBtSkt 7/32
BA-7A-1P	3/8Dr Ph Skt 1-Pt
BA-7A-2P	3/8Dr Ph Skt 2-Pt
BA-7A-2S	3/8Dr SlSkt 7/32x040
BA-7HBA	Bl HexBtSkt 7/32
BA-7LA	Lg HexBtSkt 7/32
BA-8A	Sh HexBtSkt 1/4
BA-8HBA	Bl HexBtSkt 1/4
BA-8LA	Lg HexBtSkt 1/4
BB-526	3/8Dr Penta-Skt
BD-1208	Dp Skt12pt 1/4
BD-1210	Dp Skt12pt 5/16
BD-1212	Dp Skt12pt 3/8
BD-1214	Dp Skt12pt 7/16
BD-1216	Dp Skt12pt 1/2
BD-1218	Dp Skt12pt 9/16
BD-1220	Dp Skt12pt 5/8
BD-1222	Dp Skt12pt 11/16
BD-1224	Dp Skt12pt 3/4
BD-1226	Dp Skt12pt 13/16
BD-1228	Dp Skt12pt 7/8
BD-1230	Dp Skt12pt 15/16
BD-1232	Dp Skt12pt 1
BD-808	3/8Dr Skt 8-Pt 1/4
BD-810	3/8Dr Skt 8-Pt 5/16
BD-812	3/8Dr Skt 8-Pt 3/8
BD-814	3/8Dr Skt 8-Pt 7/16
BD-816	3/8Dr Skt 8-Pt 1/2
BD-818	3/8Dr Skt 8-Pt 9/16
BD-820	3/8Dr Skt 8-Pt 5/8
BFE-8	3/8Dr Flible Ext 8
BHMD-30	3/8Dr Hd ImpDrr
BS-05B	3/8Dr Adp1/2 Fx3/8 M Blk
BS-12B	3/8Dr Adp1/2 Fx3/8 M Blk
BU-1212	U-Skt12pt 3/8
BU-1214	U-Skt12pt 7/16
BU-1216	U-Skt12pt 1/2
BU-1218	U-Skt12pt 9/16
BU-1220	U-Skt12pt 5/8
BU-1222	U-Skt12pt 11/16
BU-1224	U-Skt12pt 3/4
BWM-0810	DblHd 10°Ofs BxWR 8x10
BWM-1113	DblHd 10°Ofs BxWR 11x013
BWM-1214	DblHd 10°Ofs BxWR 12x14
BWM-1415	DblHd 10°Ofs BxWR 14x15
BWM-1618	DblHd 10°Ofs BxWR 16x18
BWM-1719	DblHd 10°Ofs BxWR 17x19
BWM-1922	DblHd 10°Ofs BxWR 19x22
BWM-2124	DblHd 10°Ofs BxWR 21x24
BWM-2730	DblHd 10°Ofs BxWR 27x30
BWM-3032	DblHd 10°Ofs BxWR 30x32
C-10	Cd Chs 5 StSz 5/16
C-12	Cd Chs 5-1/4 StSz 5/16
C-16	Cd Chs 6 StSz 3/8
C-20	Cd Chs 6-1/2 StSz 1/2
C-24	Cd Chs 7 StSz 5/8
C-28	Cd Chs 7-1/2 StSz 3/8
C-32	Cd Chs 8 StSz 7/8
C-36	Cd Chs 8 StSz 7/8
C-715	RlBr 1/2 StSz 15-1/8
C-718	RlBr 5/8 StSz 18
C-8	Cd Chs 4-3/4 StSz 1/4
C-80A	Pch Bar 3/4 StSz 24
C-82A	Pch Bar 3/4 StSz 18
CC-404C	C-Cl Cpr Scr 4
CC-406C	C-Cl Cpr Scr 6
CW-4	Chain WR
Ex-21A	ExtrDrill Sz 1/8
Ex-21B	ExtrDrill Sz 3/16
Ex-22A	ExtrDrill Sz 7/32
Ex-24A	ExtrDrill Sz 5/16
Ex-25A	ExtrDrill Sz 15/32
Ex-25B	ExtrDrill Sz 3/8
Ex-26A	ExtrDrill Sz 9/16
Ex-28	ExtrDrill Sz 21/32
Ex-29	ExtrDrill Sz 13/16
GS-1	Master Feeler Gauge Set
GSC-12	GsktScpr-8-3/4x1 1/2
H-104	3/4Dr Ext 3
H-110	3/4Dr Ext 8
H-115	3/4Dr Ext 16
H-1224	3/4Dr Skt12pt 3/4
H-1226	3/4Dr Skt12pt 13/16
H-1228	3/4Dr Skt12pt 7/8
H-1230	3/4Dr Skt12pt 15/16
H-1232	3/4Dr Skt12pt 1
H-1234	3/4Dr Skt12pt 1-1/16
H-1236	3/4Dr Skt12pt 1-1/8
H-1238	3/4Dr Skt12pt 1-3/16
H-1240	3/4Dr Skt12pt 1-1/4
H-1242	3/4Dr Skt12pt 1-5/16
H-1244	3/4Dr Skt12pt 1-3/8
H-1246	3/4Dr Skt12pt 1-7/16
H-1248	3/4Dr Skt12pt 1-1/2
H-1250	3/4Dr Skt12pt 1-9/16
H-1252	3/4Dr Skt12pt 1-5/8
H-1254	3/4Dr Skt12pt 1-11/16
H-1256	3/4Dr Skt12pt 1-3/4
H-1258	3/4Dr Skt12pt 1-13/16
H-1260	3/4Dr Skt12pt 1-7/8
H-1264	3/4Dr Skt12pt 2
H-1266	3/4Dr Skt12pt 2-1/16
H-1268	3/4Dr Skt12pt 2-1/8
H-1270	3/4Dr Skt12pt 2-3/16
H-1272	3/4Dr Skt12pt 2-1/4
H-1274	3/4Dr Skt12pt 2-5/16
H-1276	3/4Dr Skt12pt 2-3/8
H-140A	3/4Dr U-Joint
H-20A	3/4Dr Sliding T Hdle
H-41AA	3/4Dr FlHdl Chr22-1/8
H-51AB1	3/4Dr Ratchet 24-11/16
HD-628	3/4Dr Dp Skt6pt 7/8
HD-630	3/4Dr Dp Skt6pt 15/16
HD-632	3/4Dr Dp Skt6pt 1
HD-634	3/4Dr Dp Skt6pt 1-1/16
HD-636	3/4Dr Dp Skt6pt 1-1/8
HD-640	3/4Dr Dp Skt6pt 1-1/4
HD-642	3/4Dr Dp Skt6pt 1-5/16
HD-644	3/4Dr Dp Skt6pt 1-3/8
HD-646	3/4Dr Dp Skt6pt 1-7/16
HD-648	3/4Dr Dp Skt6pt 1-1/2
HD-652	3/4Dr Dp Skt6pt 1-5/8
HNx-130	3/4Dr ADp 3/4 Fx1 M
HNx-131	3/4Dr ADp 3/4 Mx1 F
HSB-2.6A	Brass Hmr 2-1/2 Lb
HSB-3.8A	Brass Hmr 4 Lb
HSF-155A	Hmr Body 1-1/4 Lb 1-1/2
HSF-15N	Hmr Tip Med Hard 1-1/2
HSF-15S	Hmr Tip Soft 1-1/2
HSF-15xH	Hmr Tip Extra Hard1-1/2
JHW-16	Dead Blow Hmr16oz

Contents: Mammoth Set Fractional WSC-1390SAE (con't)

Product Code	Description
JHW-32	Dead Blow Hmr32oz
M-102	1/4DrExt2
M-104	1/4DrExt4
M-106A	1/4DrSpinner Hdle
M-110	1/4DrExt 10
M-115	1/4DrExt6
M-140A	1/4DrU-Joint
M-15A	1/4DrSpeeder
30008	1/4DrSliding T Hdle
M-42A	1/4DrFlHdl
M-52EHA	1/4Dr EncHd Ratchet 5
M-605	Skt6pt 5/32
M-606	Skt6pt 3/16
M-607	Skt6pt 7/32
M-608	Skt6pt 1/4
M-609	Skt6pt 9/32
M-610	Skt6pt 5/16
M-611	Skt6pt 11/32
M-612	Skt6pt 3/8
M-614	Skt6pt 7/16
M-616	Skt6pt 1/2
M-618	Skt6pt 9/16
M-808	1/4Dr Skt 8-Pt 1/4
M-810	1/4Dr Skt 8-Pt 5/16
M-812	1/4Dr Skt 8-Pt 3/8
MA-10LA	1/4Dr Lg HexBtSkt 5/16
MA-3-1/2LA	1/4Dr Lg HexBtSkt 7/64
MA-3HBA	Bl HexBtSkt 3/32
MA-3LA	1/4Dr Lg HexBtSkt 3/32
MA-4 1/2HBA	Bl HexBtSkt 9/64
MA-4-1/2LA	1/4Dr Lg HexBtSkt 9/64
MA-4HBA	Bl HexBtSkt 1/8
MA-4LA	1/4Dr Lg HexBtSkt 1/8
MA-5HBA	Bl HexBtSkt 5/32
MA-5LA	1/4Dr Lg HexBtSkt 5/32
MA-6HBA	Bl HexBtSkt 3/16
MA-6LA	1/4Dr Lg HexBtSkt 3/16
MA-7HBA	Bl HexBtSkt 7/32
MA-7LA	1/4Dr Lg HexBtSkt 7/32
MA-8HBA	Bl HexBtSkt 1/4
MA-8LA	1/4Dr Lg HexBtSkt 1/4
MD-606	Dp Skt6pt 3/16
MD-607	Dp Skt6pt 7/32
MD-608	Dp Skt6pt 1/4
MD-609	Dp Skt6pt 9/32
MD-610	Dp Skt6pt 5/16
MD-611	Dp Skt6pt 11/32
MD-612	Dp Skt6pt 3/8
MD-614	Dp Skt6pt 7/16
MD-616	Dp Skt6pt 1/2
MD-618	Dp Skt6pt 9/16
MFE-6	1/4Dr Flible Ext 6
O-471	Adj Pin Spr 3/4 To 2
O-472	Adj Pin Spr 1-1/4 To 3
OES-0607	Dbl Oe WR 3/16x7/32Sh
OES-0809	Dbl Oe WR 1/4x9/32Sh
OES-1011	Dbl Oe WR 5/16x11/32Sh
OES-1214	Dbl Oe WR 3/8x7/16Sh
OES-1618	Dbl Oe WR 1/2x9/16Sh
P-10	Pinpch 7 StSz 1/2
P-13	Sldpch 4-1/2 StSz 5/16
P-14	Sldpch 4-1/2 StSz 5/16
P-15	Sldpch 5 StSz 3/8
P-16	Sldpch 5 StSz 3/8
P-17	Sldpch 6 StSz 1/2
P-25	LgTprPch 8-1/2 StSz 1/2
P-26	LgTprPch 9 StSz 1/2
P-28	LgTprPch 11 StSz 5/8
P-3	Pinpch 4-3/4 StSz 5/16
P-30	Prickpch 5 StSz 3/8
P-4	Pinpch 5 StSz 5/16
P-40	Centerpch 5 StSz 3/8
P-42	Centerpch 6 StSz 1/2
P-5	Pinpch 5-1/4 StSz 5/16
P-6	Pinpch 5-1/2 StSz 5/16
P-8	Pinpch 7 StSz 3/8
PL-1515	Lck Rg Pls8
PL1519C	Superjoint Pls 5
PL-1600C	Snap Rg Pls & Tips Set
PL-529	Hvy Dty Snap Rg Pls Set
PL-533	Fixed Tip Ret Rg Pl-Ext
PL-534	Fixed Tip Ret Rg Pl-Ext
PLS-6A	General Service Pls Set
RB-1214	Rat Chr 6pt 3/8x7/16
RB-1618	Rat Chr 6pt 1/2x9/16
RB-2022	Rat Chr 12pt 5/8x11/16
RB-2428	Rat Chr 12pt 3/4x7/8
RB-42	Sg Rat WR 1-5/16
RB-44	Sg Rat WR 1-3/8
RB-46	Sg Rat WR 1-7/16
RB-48	Sg Rat WR 1-1/2
RB-50	Sg Rat WR 1-9/16
RB-52	Sg Rat WR 1-5/8
RB-54	Sg Rat WR 1-11/16
RB-56	Sg Rat WR 1-3/4
RB-58	Sg Rat WR 1-13/16
RB-60	Sg Rat WR 1-7/8
RB-64	Sg Rat WR2
RB-68	Sg Rat WR 2-1/8
RB-810	Rat Chr 6pt 1/4x5/16
RBO-1214	OfsRatBxWR12pt 3/8x7/16
RBO-1618	OfsRatBxWR12pt 1/2x9/16
RBO-2022	OfsRatBxWR12pt 5/8x11/16
RBO-2428	OfsRatBxWR12pt 3/4x7/8
RBO-810	OfsRatBxWR12pt 1/4x5/16
RFW-12	Rat FL NUT WR3/8
RFW-14	Rat FL NUT WR7/16
RFW-16	Rat FL NUT WR1/2
RFW-18	Rat FL NUT WR9/16
RFW-20	Rat FL NUT WR5/8
RFW-22	Rat FL NUT WR11/16
RFW-24	Rat FL NUT WR3/4
RFW-26	Rat FL NUT WR13/16
RFW-28	Rat FL NUT WR7/8
RFW-30	Rat FL NUT WR15/16
RFW-32	Rat FL NUT WR1
S-102P	1/2Dr Ext2
S-10A	1/2Dr Speeder 13-5/8
S-110P	1/2Dr Ext5
S-115P	1/2Dr Ext10
S-121P	1/2Dr Ext20
S-140A	1/2DrU-Joint
S-15A	1/2Dr Speeder 18-1/16
S-20A	1/2Dr Sliding T Hdle
S-40AA	1/2Dr FlHdl 10-7/16
S-41AA	1/2Dr FlHdl 15-1/2
S-52EHA	1/2Dr EncHd Rat 10-3/8
S-52EHLA	1/2Dr EncHd Rat 15
S-60D	1/2Dr Stud Remover
S-70	1/2Dr Ratchet Spinner
SA-10A	HexBtSkt 5/16
SA-10A-3P	1/2Dr Ph Skt 3-Pt
SA-10A-3S	1/2Dr SlBitSkt
SA-10LA	Lg HexBtSkt 5/16
SA-12A	HexBtSkt 3/8
SA-12A-4P	1/2Dr Ph Skt 4-Pt
SA-12A-4S	1/2Dr SlBitSkt
SA-12LA	Lg HexBtSkt 3/8
SA-16A	HexBtSkt 1/2
SA-16LA	Lg HexBtSkt 1/2
SA-18A	HexBtSkt 9/16
SA-18LA	Lg HexBtSkt 9/16
SA-20A	HexBtSkt 5/8
SA-20LA	Lg HexBtSkt 5/8
SA-8A	HexBtSkt 1/4
SA-8LA	Lg HexBtSkt 1/4
SB-30	1/2DrDragLnk Skt 1-1/2
SB-40	1/2DrDragLnk Skt 1-9/16
SB-40AA	1/2Dr FlHdl 10-13/16 Blk
SB-526	1/2Dr Penta-Skt
SH-130	1/2Dr ADp 1/2 Fx3/4 M
SDR-22	SQ Shank Scr Sl 3
SDR-24	SQ Shank Scr Sl 4
SDR-26	SQ Shank Scr Sl 6
SDR-28	SQ Shank Scr Sl 8
SDS-33	SQ Shank Scr Sl 12
SDS-62	SQ Shank Scr Sl Stby
ST-1212	1/2Dr Std12ptSkt 3/8
ST-1214	1/2Dr Std12ptSkt 7/16
ST-1216	1/2Dr Std12ptSkt 1/2
ST-1218	1/2Dr Std12ptSkt 9/16
ST-1219	1/2Dr Std12ptSkt 19/32
ST-1220	1/2Dr Std12ptSkt 5/8
ST-1221	1/2Dr Std12ptSkt 21/32
ST-1222	1/2Dr Std12ptSkt 11/16
ST-1224	1/2Dr Std12ptSkt 3/4
ST-1225	1/2Dr Std12ptSkt 25/32
ST-1226	1/2Dr Std12ptSkt 13/16
ST-1228	1/2Dr Std12ptSkt 7/8
ST-1230	1/2Dr Std12ptSkt 15/16
ST-1231	1/2Dr Std12ptSkt 31/32
ST-1232	1/2Dr Std12ptSkt 1
ST-1234	1/2Dr Std12ptSkt 1 1/16
ST-1236	1/2Dr Std12ptSkt 1 1/8
ST-1238	1/2Dr Std12ptSkt 1 3/16
ST-1240	1/2Dr Std12ptSkt 1 1/4
ST-1242	1/2Dr Std12ptSkt 1 5/16
ST-1244	1/2Dr Std12ptSkt 1 3/8
ST-1246	1/2Dr Std12ptSkt 1 7/16
ST-1248	1/2Dr Std12ptSkt 1 1/2
ST-812	1/2Dr Std8ptSkt 3/8
ST-814	1/2Dr Std8ptSkt 7/16
ST-816	1/2Dr Std8ptSkt 1/2
ST-818	1/2Dr Std8ptSkt 9/16
ST-820	1/2Dr Std8ptSkt 5/8
ST-822	1/2Dr Std8ptSkt 11/16
ST-824	1/2Dr Std8ptSkt 3/4
ST-826	1/2Dr Std8ptSkt 13/16
ST-828	1/2Dr Std8ptSkt 7/8
ST-830	1/2Dr Std8ptSkt 15/16
ST-832	1/2Dr Std8ptSkt 1
ST-834	1/2Dr Std8ptSkt 1 1/16
ST-836	1/2Dr Std8ptSkt 1 1/8
ST-840	1/2Dr Std8ptSkt 1 1/4
TS38375	TurboSkt SavSkt 3/8
TS38437	TurboSkt SavSkt 7/16
TS38500	TurboSkt SavSkt 1/2
TS38562	TurboSkt SavSkt 9/16
TS38625	TurboSkt SavSkt 5/8
TS38687	TurboSkt SavSkt 11/16
TS38750	TurboSkt SavSkt 3/4
WRS-1	Rat Scr
WRST1	T Hdle Rat Scr Stby
WSM-11TRC	1/4Dr HexBtSkt Set 10-pc
WSM-4TRC	1/4Dr HexBtSkt Set 4-pc
WTC-11	Wire Twister/Ctr 8-1/2

Contents: Mammoth Set Metric WSC-1390MM

Refer to Master Sets Section Pages 20 & 21 for Photo and Description

Product Code	Description
1002MFRMH	3/8Dr Cl Trq Wr 100 F-Lb
10111	Hex Key Set Sh 11-pc
10213	Hex Key Set Lg 13-pc
10650	FL NUT WR 9x 11mm
10652	FL NUT WR 10x 12mm
10654	FL NUT WR 13x 14mm
10656	FL NUT WR 15x 17mm
10658	FL NUT WR 19x 21mm
1-100-04-3-2	4 Hd SM File w/PlHdl
1-100-08-1-2	8 Hd BST File w/Hdle
1-100-08-2-2	8 Hd 2ND File w/Hdle
1-111-04-3-2	4 WRD SM File w/PlHdl
1-160-04-3-2	4 SQ SM File w/PlHdl
1-160-08-1-2	8 SQ BST File w/Hdle
1-170-04-3-2	4 3 SQ SM File w/PlHdl
11710	Stby Comb WR 10mm
11712	Stby Comb WR 12mm
11713	Stby Comb WR 13mm
11714	Stby Comb WR 14mm
11715	Stby Comb WR 15mm
11717	Stby Comb WR 17mm
11718	Stby Comb WR 18mm
1206MRC	Rev Rat Comb WR 6mm
1207MSC	WRChrSat12pt 7mm
1208MRC	Rev Rat Comb WR 8mm
1208MRCF	Fl Hd Rat Comb WR 8mm
1208MRCS	Stby Rat Comb WR 8mm
1208MSC	WRChrSat12pt 8mm
1208RC	1/4 Rat Comb WR
1209MRC	Rev Rat Comb WR 9mm
1209MRCF	Fl Hd Rat Comb WR 9mm
1209MRCS	Stby Rat Comb WR 9mm
1209MSC	WRChrSat12pt 9mm
1-210-04-3-2	4 1/2RD SM File w/PlHdl
1-210-08-1-2	8 1/2RD BST File w/Hdle
1210MRC	Rev Rat Comb WR 10mm
1210MRCF	Fl Hd Rat Comb WR 10mm
1210MRCS	Stby Rat Comb WR 10mm
1210MSC	WRChrSat12pt 10mm
1211MRC	Rev Rat Comb WR 11mm
1211MRCF	Fl Hd Rat Comb WR 11mm
1211MRCS	Stby Rat Comb WR 11mm
1211MSC	WRChrSat12pt 11mm
1212MRC	Rev Rat Comb WR 12mm
1212MRCF	Fl Hd Rat Comb WR 12mm
1212MRCS	Stby Rat Comb WR 12mm
1212MSC	WRChrSat12pt 12mm
1213MRC	Rev Rat Comb WR 13mm
1213MRCF	Fl Hd Rat Comb WR 13mm
1213MRCS	Stby Rat Comb WR 13mm
1213MSC	WRChrSat12pt 13mm
1214MRC	Rev Rat Comb WR 14mm
1214MRCF	Fl Hd Rat Comb WR 14mm
1214MRCS	Stby Rat Comb WR 14mm
1214MSC	WRChrSat12pt 14mm
1215MRC	Rev Rat Comb WR 15mm
1215MRCF	Fl Hd Rat Comb WR 15mm
1215MRCS	Stby Rat Comb WR 15mm
1215MSC	WRChrSat12pt 15mm
1216MRC	Rev Rat Comb WR 16mm
1216MRCF	Fl Hd Rat Comb WR 16mm
1216MRCS	Stby Rat Comb WR 16mm
1217MRC	Rev Rat Comb WR 17mm
1217MRCF	Fl Hd Rat Comb WR 17mm
1217MRCS	Stby Rat Comb WR 17mm
1217MSC	WRChrSat12pt 17mm
1218MRC	Rev Rat Comb WR 18mm
1218MRCF	Fl Hd Rat Comb WR 18mm
1218MRCS	Stby Rat Comb WR 18mm
1218MSC	WRChrSat12pt 18mm
1219MRC	Rev Rat Comb WR 19mm
1219MRCF	Fl Hd Rat Comb WR 19mm
1219MRCS	Stby Rat Comb WR 19mm
1219MSC	WRChrSat12pt 19mm
1221MRC	Rev Rat Comb WR 21mm
1221MSC	WRChrSat12pt 21mm
1222MRC	Rev Rat Comb WR 22mm
1222MSC	WRChrSat12pt 22mm
1224MRC	Rev Rat Comb WR 24mm
1224MSC	WRChrSat12pt 24mm
1225MRC	Rev Rat Comb WR 25mm
1227MSC	WRChrSat12pt 27mm
1-230-04-3-2	4 RD SM File w/PlHdl
1-230-08-1-2	8 RD BST File w/Hdle
1230MSC	WRChrSat12pt 30mm
1232MSC	WRChrSat12pt 32mm
1234MSC	WRChrSat12pt 34mm
1236MSC	WRChrSat12pt 36mm
1240TOB	Off Bx Tub WR-1-1/4-32mm
1240TOE	OE Tub WR-1-1/4-32mm
1240TSB	Str Bx Tub WR-1-1/4-32mm
1242TOB	Off Bx Tub WR-1-5/16-33mm
1242TOE	OE Tub WR-1-5/16-33mm
1244TOE	OE Tub WR-1-3/8-35mm
1246TOE	OE Tub WR-1-7/16-36mm
1248TOB	Off Bx Tub WR-1-1/2-38mm
1248TOE	OE Tub WR-1-1/2-38mm
1252TOB	Off Bx Tub WR-1-5/8-41mm
1256TOB	Off Bx Tub WR-1-3/4-44mm
12M-607	3/8Dr DplmSkt6pt 7mm
12M-608	3/8Dr DplmSkt6pt 8mm
12M-609	3/8Dr DplmSkt6pt 9mm
12M-610	3/8Dr DplmSkt6pt 10mm
12M-611	3/8Dr DplmSkt6pt 11mm
12M-612	3/8Dr DplmSkt6pt 12mm
12M-613	3/8Dr DplmSkt6pt 13mm
12M-614	3/8Dr DplmSkt6pt 14mm
12M-615	3/8Dr DplmSkt6pt 15mm
12M-616	3/8Dr DplmSkt6pt 16mm
12M-617	3/8Dr DplmSkt6pt 17mm
12M-618	3/8Dr DplmSkt6pt 18mm
12M-619	3/8Dr DplmSkt6pt 19mm
12M-620	3/8Dr DplmSkt6pt 20mm
12M-621	3/8Dr DplmSkt6pt 21mm
12M-622	3/8Dr DplmSkt6pt 22mm
12M-623	3/8Dr DplmSkt6pt 23mm
12M-624	3/8Dr DplmSkt6pt 24mm
13213	Bl End Hex Key Lg 13-pc
14M-610	1/2Dr DplmSkt6pt 10mm
14M-611	1/2Dr DplmSkt6pt 11mm
14M-612	1/2Dr DplmSkt6pt 12mm
14M-613	1/2Dr DplmSkt6pt 13mm
14M-614	1/2Dr DplmSkt6pt 14mm
14M-615	1/2Dr DplmSkt6pt 15mm
14M-616	1/2Dr DplmSkt6pt 16mm
14M-617	1/2Dr DplmSkt6pt 17mm
14M-618	1/2Dr DplmSkt6pt 18mm
14M-619	1/2Dr DplmSkt6pt 19mm
14M-620	1/2Dr DplmSkt6pt 20mm
14M-621	1/2Dr DplmSkt6pt 21mm
14M-622	1/2Dr DplmSkt6pt 22mm
14M-623	1/2Dr DplmSkt6pt 23mm
14M-624	1/2Dr DplmSkt6pt 24mm
14M-625	1/2Dr DplmSkt6pt 25mm
14M-626	1/2Dr DplmSkt6pt 26mm
14M-627	1/2Dr DplmSkt6pt 27mm
14M-629	1/2Dr DplmSkt6pt 29mm
14M-630	1/2Dr DplmSkt6pt 30mm
14M-632	1/2Dr DplmSkt6pt 32mm
14M-634	1/2Dr DplmSkt6pt 34mm
14M-635	1/2Dr DplmSkt6pt 35mm
14M-636	1/2Dr DplmSkt6pt 36mm
2-02B	3/8Dr Im Ext 3
20401	20oz FG Crv Claw Hmr
20544	16oz Bl PN FG Hdle Hmr
20545	24oz Bl PN FG Hdle Hmr
20651	48oz CrPN FG LgHdl Hmr
20678	32ozDrlg FG Hdle Hmr
208	Mini Hksw Alum Hdle 10
2-103A	3/8Dr Im Ext 3
2-106A	3/8Dr Im Ext 6
2-140B	3/8Dr Im U-Joint
21661	2pc PryBar
2203-8	Diagonal Cutting Plier Straight ergo® 8"
222D	Alligator Pl 6
223D	Alligator Pl 7-1/2
224D	Alligator Pl 9-1/2
23101	6-1/4 Sl Jt Pl
23103	9-3/4 Sl Jt Pl
23107	15-3/4 Gr Jt Pl 9 Pos
23201	CrvJaw w/Ctr LckPl 5
23202	CrvJaw w/Ctr LckPl 7
23203	CrvJaw w/Ctr LckPl 10
23301	CrvJaw wire Ctr LckPl 5
23302	CrvJaw wire Ctr LckPl 7
23305	Str Jaw LckPl 10
23310	Lg Ns wire Ctr LckPls 9
23320	Lck C-Cl LckPl 6
23403	8" Linesman Plier
23406	6-1/4" Heavy Duty Diagonal Cutting
23409	6-1/4" Bent Nose
23410	6-1/4" Long Nose
23411	8" Long Nose
23503	FrEnd Strip-Cut/Crimper
23506	Heavy Duty Stripper/Ctr
23512	Romex Tl Dual Type
23530	Coax Cable Tl
23535	Cg Super Stripper 20-30
23541	Elec Mini-Ctr 5-1/2
23542	Elec Mini-Stripper 5-1/2
23543	Elec Mini-Crimper 5-1/2
23603	9 Lnms Dipped Hdles
23801	Conv Ret Rg Pl Cap 2
23803	Conv Ret Rg Pl Cap 1
24201A	Cab Scr 1/8x4
24205A	Sl Scr 3/16x4
24207A	Cab Scr 3/16x3
24211A	Cab Scr 3/16x6
24213A	Cab Scr 3/16x10
24217A	Sl Scr 1/4x1 1/2
24219A	Sl Scr 1/4x4
24237A	Sl Scr 5/16x6
24239A	5/16x8 Rd Sl Bmd Hdle
24241A	Sl Scr 3/8x8
24243A	3/8x12 Rd Sl Bmd Hdle
24249A	Ph Scr # 1x3
24251A	Ph Scr # 2x1 1/2
24253A	Ph Scr # 2x4
24259A	#3x6 Ph Bmd Hdle
24263A	Torx Scr T10x4
24265A	Torx Scr T15x4
24267A	Torx Scr T20x4
24269A	Torx Scr T25x4
24271A	Torx Scr T27x4
24273A	Torx Scr T30x4
24401	3/16 Csh Gr Ntdrv
24403	1/4 Csh Gr Ntdrv
24405	5/16 Csh Gr Ntdrv
24407	11/32 Csh Gr Ntdrv
2-4A	3/8Dr Im Adp3/8Fx1/2M
24TH	Tub WR Hdle-24
2503MFRMH	1/2Dr Cl Trq WR 250 F-Lb
2628G-180	Side Cutting Combination Plier ergo® 7"
PL-209X	Lnms's Pl Cmf Gr 9 -1/2
28201	Av Snips Left
28203	Av Snips Right
28205	Av Snips Str
28301	Str Pat Tin Snips 7
28307	Str Pat Tin Snips 12
28449	Pch & Chs Holder
2M-607	Std ImSkt6pt 7mm
2M-608	Std ImSkt6pt 8mm
2M-609	Std ImSkt6pt 9mm
2M-610	Std ImSkt6pt 10mm
2M-611	Std ImSkt6pt 11mm
2M-612	Std ImSkt6pt 12mm
2M-613	Std ImSkt6pt 13mm
2M-614	Std ImSkt6pt 14mm
2M-615	Std ImSkt6pt 15mm
2M-616	Std ImSkt6pt 16mm
2M-617	Std ImSkt6pt 17mm
2M-618	Std ImSkt6pt 18mm
2M-619	Std ImSkt6pt 19mm
30009	1/4 Fx3/8 M Adapter
300-14-F15/16-HP	TlBx Saw Pl14 15TPI
31008	3/8 Fx1/4 M Adapter
31009	3/8 Fx1/2 M Adapter
325	Prof Hksw Hdle 12
35040	1/4Dr ScrBt Skt Sl 5/32
35041	1/4Dr ScrBt Skt Sl 7/32
35042	1/4Dr ScrBt Skt Sl 9/32
35050	1/4Dr ScrBt Skt Ph # 0
35051	1/4Dr ScrBt Skt Ph # 1
35052	1/4Dr ScrBt Skt Ph # 2
35080	1/4Dr Torx Bit Skt T10
35081	1/4Dr Torx Bit Skt T15
35082	1/4Dr Torx Bit Skt T20
35083	1/4Dr Torx Bit Skt T25
35084	1/4Dr Torx Bit Skt T27
35085	1/4Dr Torx Bit Skt T30
35182	3/8Dr Torx Bit Skt T25
35183	3/8Dr Torx Bit Skt T27
35184	3/8Dr Torx Bit Skt T30
35185	3/8Dr Torx Bit Skt T40
35186	3/8Dr Torx Bit Skt T45
35187	3/8Dr Torx Bit Skt T47
35188	3/8Dr Torx Bit Skt T50
35192	3/8Dr Torx Bit Skt T25
35193	3/8Dr Torx Bit Skt T27
35194	3/8Dr Torx Bit Skt T30
35195	3/8Dr Torx Bit Skt T40
35196	3/8Dr Torx Bit Skt T45
35197	3/8Dr Torx Bit Skt T47
35198	3/8Dr Torx Bit Skt T50
36TH	Tub WR Hdle-36
3816-300	Tung Carbide Hksw Bl 12
3840-100-10-SC-1P	BiRecipBL 4 10TPI
3840-100-18-SC-1P	BiRecipBL 4 18TPI
3840-100-24-ST-1P	BiRecipBL 4 24TPI U-Thg
3840-100-6-ST-1P	BiRecipBL 4 6TPI U-Thg
3840-150-10-ST-1P	BiRecipBL 6 10TPI U-Thg
3840-150-14-ST-1P	BiRecipBL 6 14TPI U-Thg
3840-150-18-ST-1P	BiRecipBL 6 18TPI U-Thg
3840-150-24-ST-1P	BiRecipBL 6 24TPI U-Thg
3840-150-5/8-SL-1P	BiRecipBL 6 5/8TPI
3840-150-7-SL-1P	BiRecipBL 6 7TPI
396-LAP	Fldg Saw Bmd 8 7TPI
40000	1/4x6 GsktScpr BmdHdl
40052	QckBl Ut Knife5pk 025
40058	Fldg Ut Knife
40072	QckBl DispBulk
40150	Pick-Up Tl BmdHdl
40201	4pc MiniPick/Hook
40221	12 Strap WR
40251	4pc Ut Tl Set BmdHdl
4-6	1/2Dr Im Adp1/2 Fx3/4
40701	3/4Dr Im Adp 3/4 Fx1
4-102	1/2Dr Im Ext 3-1/2
4-105A	1/2Dr Im Ext 5
4-110A	1/2Dr Im Ext10
4-140B	1/2Dr Im U-Joint
42302	Std Seat Creeper
4-2F	1/2Dr Im Adp1/2 Fx3/8
43605	Tube Ctr 1-1/8
43618	Pl Hose Ctr
4559-24	Bolt Ctr Cmf Grs 24
471	Adj Hk Spr 3/4 To 2
472	Adj Hk Spr 1-1/4 To 3
474	Adj Hk Spr 2 To 4-3/4
4M-610	1/2Dr ImSkt6pt 10mm
4M-611	1/2Dr ImSkt6pt 11mm
4M-612	1/2Dr ImSkt6pt 12mm
4M-613	1/2Dr ImSkt6pt 13mm
4M-614	1/2Dr ImSkt6pt 14mm
4M-615	1/2Dr ImSkt6pt 15mm
4M-616	1/2Dr ImSkt6pt 16mm
4M-617	1/2Dr ImSkt6pt 17mm
4M-618	1/2Dr ImSkt6pt 18mm
4M-619	1/2Dr ImSkt6pt 19mm
4M-620	1/2Dr ImSkt6pt 20mm
4M-621	1/2Dr ImSkt6pt 21mm
4M-622	1/2Dr ImSkt6pt 22mm
4M-623	1/2Dr ImSkt6pt 23mm
4M-624	1/2Dr ImSkt6pt 24mm
4M-625	1/2Dr ImSkt6pt 25mm
4M-626	1/2Dr ImSkt6pt 26mm
4M-627	1/2Dr ImSkt6pt 27mm
4M-629	1/2Dr ImSkt6pt 29mm
4M-630	1/2Dr ImSkt6pt 30mm
4M-632	1/2DrImSkt6pt 32m
4M-634	1/2Dr ImSkt6pt 34mm
4M-636	1/2Dr ImSkt6pt 36mm
6004MFRMH	3/4Dr Cl Trq WR 600 F-Lb
6-107	3/4Dr Im Ext 7
6-110	3/4Dr Im Ext 9-3/4
6-113	3/4Dr Im Ext 12-3/4
6-140B	3/4Dr Im U-Joint
6-1XS	Ret Rg
625	Scrp1 Triple
625-DROP	Drop-Shape Bl625 Scrp
625-PEAR	Pear-Shape Bl625 Scrp
625-RD	RD Bl625 Scrp
6-4A	3/4Dr ImAdp 3/4 Fx1/2M
665	Scrp2-1/2 Dbl Bl
8223	Adj Joint Pls 8
8225	Adj Joint Pls 12
860114	Bi Hksw Bl 12 18TPI 10P
860124	Bi Hksw Bl 12 24TPI 10P
862017	Prof Holesaw Set 17pc
87032	Stud Rem/Inst Set
87079	10 Ton Gear Set
9031RUS	Blkx-Wide Adj WR 8
9070RPUS	Blk Adj/Pipe WR 6
9072RPUS	Blk Adj/Pipe WR 10
9-12-51/3806-KP	Bws w/Bws & Hack Bl
9-467-00-0-0	File Cleaner
B-101	3/8Dr Ext 1 1/2
B-108	3/8Dr Ext 3
B-110	3/8Dr Ext 6
B-115	3/8Dr Ext 11
B-118	3/8Dr Ext 18
B-140A	3/8Dr U-Joint
B-15	3/8Dr Speeder
B-20A	3/8Dr Sliding T Hdle
B-40A	3/8Dr FlHdl
B-52EHA	3/8Dr EncHd Rat 8
B-52EHLA	3/8Dr EncHd Rat 10-3/4
B-70	Chr Ratchet Spinner
BB-526	3/8Dr Penta-Skt
BFE-8	3/8Dr Flible Ext 8
BHMD-30	3/8Dr Hd ImpDrr
BM-1206	3/8Dr Std12pt Skt 6mm
BM-1207	3/8Dr Std12pt Skt 7mm
BM-1208	3/8Dr Std12pt Skt 8mm
BM-1209	3/8Dr Std12pt Skt 9mm
BM-1210	3/8Dr Std12pt Skt 10mm
BM-1211	3/8Dr Std12pt Skt 11mm
BM-1212	3/8Dr Std12pt Skt 12mm
BM-1213	3/8Dr Std12pt Skt 13mm
BM-1214	3/8Dr Std12pt Skt 14mm
BM-1215	3/8Dr Std12pt Skt 15mm
BM-1216	3/8Dr Std12pt Skt 16mm
BM-1217	3/8Dr Std12pt Skt 17mm
BM-1218	3/8Dr Std12pt Skt 18mm
BM-1219	3/8Dr Std12pt Skt 19mm
BM-1220	3/8Dr Std12pt Skt 20mm
BM-1221	3/8Dr Std12pt Skt 21mm
BM-1222	3/8Dr Std12pt Skt 22mm
BM-1223	3/8Dr Std12pt Skt 23mm
BM-1224	3/8Dr Std12pt Skt 24mm

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Contents: Mammoth Set Metric WSC-1390MM (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
BM-1226	3/8Dr Std12pt Skt 26mm	H-110	3/4Dr Ext 8	MMD-610	Mm Dp Skt6pt10mm	S-60D	1/2Dr Stud Remover
BMD-606	3/8Dr Dp 6 PT Skt 6mm	H-115	3/4Dr Ext 16	MMD-611	Mm Dp Skt6pt 11mm	S-70	1/2Dr Ratchet Spinner
BMD-607	3/8Dr Dp 6 PT Skt 7mm	H-140A	3/4Dr U-Joint	MMD-612	Mm Dp Skt6pt 12mm	SB-30	1/2DrDragLnk Skt 1-1/2
BMD-608	3/8Dr Dp 6 PT Skt 8mm	H-20A	3/4Dr Sliding T Hdle	MMD-613	Mm Dp Skt6pt 13mm	SB-40	1/2DrDragLnk Skt 1-9/16
BMD-609	3/8Dr Dp 6 PT Skt 9mm	H-41AA	3/4Dr FlHdl Chr22-1/8	MMD-614	Mm Dp Skt6pt 14mm	SB-40AA	1/2Dr FlHdl 10-13/16 Blk
BMD-610	3/8Dr Dp 6 PT Skt 10mm	H-51AB1	3/4Dr Ratchet 24-11/16	MWS-27	Hex Key Set 11-pcs	SB-526	1/2Dr Penta-Skt
BMD-611	3/8Dr Dp 6 PT Skt 11mm	HM-1219	3/4Dr Skt12pt 19mm	MWS-47	Hex Key Set 7-pcs	SH-130	1/2Dr ADp 1/2 Fx3/4 M
BMD-612	3/8Dr Dp 6 PT Skt 12mm	HM-1222	3/4Dr Skt12pt 22mm	O-471	Adj Pin Spr 3/4 To 2	SMD-1213	Mm Dp Skt12pt 13mm
BMD-613	3/8Dr Dp 6 PT Skt 13mm	HM-1224	3/4Dr Skt12pt 24mm	O-472	Adj Pin Spr 1-1/4 To 3	SMD-1214	Mm Dp Skt12pt 14mm
BMD-614	3/8Dr Dp 6 PT Skt 14mm	HM-1227	3/4Dr Skt12pt 27mm	P-10	Pinpch 7 StSz 1/2	SMD-1215	Mm Dp Skt12pt 15mm
BMD-615	3/8Dr Dp 6 PT Skt 15mm	HM-1230	3/4Dr Skt12pt 30mm	P-13	Sldpch 4-1/2 StSz 5/16	SMD-1216	Mm Dp Skt12pt 16mm
BMD-616	3/8Dr Dp 6 PT Skt 16mm	HM-1232	3/4Dr Skt12pt 32mm	P-14	Sldpch 4-1/2 StSz 5/16	SMD-1217	Mm Dp Skt12pt 17mm
BMD-617	3/8Dr Dp 6 PT Skt 17mm	HM-1235	3/4Dr Skt12pt 35mm	P-15	Sldpch 5 StSz 3/8	SMD-1218	Mm Dp Skt12pt 18mm
BMD-618	3/8Dr Dp 6 PT Skt 8mm	HM-1236	3/4Dr Skt12pt 36mm	P-16	Sldpch 5 StSz 3/8	SMD-1219	Mm Dp Skt12pt 19mm
BMD-619	3/8Dr Dp 6 PT Skt 19mm	HM-1238	3/4Dr Skt12pt 38mm	P-17	Sldpch 6 StSz 1/2	SMD-1221	Mm Dp Skt12pt 21mm
BMD-620	3/8Dr Dp 6 PT Skt 20mm	HM-1241	3/4Dr Skt12pt 41mm	P-25	LgTprPch 8-1/2 StSz 1/2	SMD-1222	Mm Dp Skt12pt 22mm
BMD-622	3/8Dr Dp 6 PT Skt 22mm	HM-1246	3/4Dr Skt12pt 46mm	P-26	LgTprPch 9 StSz 1/2	SMD-1224	Mm Dp Skt12pt 24mm
BMD-623	3/8Dr Dp 6 PT Skt 23mm	HM-1250	3/4Dr Skt12pt 50mm	P-28	LgTprPch 11 StSz 5/8	SMD-1227	Mm Dp Skt12pt 27mm
BMD-624	3/8Dr Dp 6 PT Skt 24mm	HM-1254	3/4Dr Skt12pt 54mm	P-3	Pinpch 4-3/4 StSz 5/16	SMD-1230	Mm Dp Skt12pt 30mm
BMD-625	3/8Dr Dp 6 PT Skt 25mm	HM-1255	3/4Dr Skt12pt 55mm	P-30	Prickpch 5 StSz 3/8	SDR-22	SQ Shank Scr Sl 3
BS-05B	3/8Dr Adp1/2 Fx3/8 M Blk	HM-1260	3/4Dr Skt12pt 60mm	P-4	Pinpch 5 StSz 5/16	SDR-24	SQ Shank Scr Sl 4
BS-12B	3/8Dr Adp1/2 Fx3/8 M Blk	HNx-130	3/4Dr ADp 3/4 Fx1 M	P-40	Centerpch 5 StSz 3/8	SDR-26	SQ Shank Scr Sl 6
BWM-0810	DblHd 10°Ofs BxWR 8x10	HNx-131	3/4Dr ADp 3/4 Mx1 F	P-42	Centerpch 6 StSz 1/2	SDR-28	SQ Shank Scr Sl 8
BWM-1113	DblHd 10°Ofs BxWR 11x013	HSB-2.6A	Brass Hmr 2-1/2 Lb	P-5	Pinpch 5-1/4 StSz 5/16	SDS-33	SQ Shank Scr Sl 12
BWM-1214	DblHd 10°Ofs BxWR 12x14	HSB-3.8A	Brass Hmr 4 Lb	P-6	Pinpch 5-1/2 StSz 5/16	SDS-62	SQ Shank Scr Sl Stby
BWM-1415	DblHd 10°Ofs BxWR 14x15	HSF-155A	Hmr Body 1-1/4 Lb 1-1/2	P-8	Pinpch 7 StSz 3/8	STM-1210	1/2Dr Skt12pt 10mm
BWM-1618	DblHd 10°Ofs BxWR 16x18	HSF-15N	Hmr Tip Med Hard 1-1/2	PL-1515	Lck Rg Pls8	STM-1211	1/2Dr Skt12pt 11mm
BWM-1719	DblHd 10°Ofs BxWR 17x19	HSF-15S	Hmr Tip Soft 1-1/2	PL1519C	Superjoint Pls 5	STM-1212	1/2Dr Skt12pt 12mm
BWM-1922	DblHd 10°Ofs BxWR 19x22	HSF-15XH	Hmr Tip Extra Hard1-1/2	PL-1600C	Snap Rg Pls & Tips Set	STM-1213	1/2Dr Skt12pt 13mm
BWM-2124	DblHd 10°Ofs BxWR 21x24	JHW-16	Dead Blow Hmr16oz	PL-529	Hvy Dty Snap Rg Pls Set	STM-1214	1/2Dr Skt12pt 14mm
BWM-2730	DblHd 10°Ofs BxWR 27x30	JHW-32	Dead Blow Hmr32oz	PL-533	Fixed Tip Ret Rg Pl-Ext	STM-1215	1/2Dr Skt12pt 15mm
BWM-3032	DblHd 10°Ofs BxWR 30x32	M-102	1/4DrExt2	PL-534	Fixed Tip Ret Rg Pl-Ext	STM-1216	1/2Dr Skt12pt 16mm
C-10	Cd Chs 5 StSz 5/16	M-104	1/4DrExt4	PLS-6A	General Service Pls Set	STM-1217	1/2Dr Skt12pt 17mm
C-12	Cd Chs 5-1/4 StSz 5/16	M-106A	1/4DrSpinner Hdle	RBM-0708	Mm RatBxWR 7x 8mm	STM-1218	1/2Dr Skt12pt 18mm
C-16	Cd Chs 6 StSz 3/8	M-110	1/4DrExt 10	RBM-0910	Mm RatBxWR 9x 10mm	STM-1219	1/2Dr Skt12pt 19mm
C-20	Cd Chs 6-1/2 StSz 1/2	M-115	1/4DrExt6	RBM-1112	Mm RatBxWR 11x 12mm	STM-1220	1/2Dr Skt12pt 20mm
C-24	Cd Chs 7 StSz 5/8	M-140A	1/4DrU-Joint	RBM-1314	Mm RatBxWR 13x 14mm	STM-1221	1/2Dr Skt12pt 21mm
C-28	Cd Chs 7-1/2 StSz 3/8	M-15A	1/4DrSpeeder	RBM-1517	Mm RatBxWR 15x 17mm	STM-1222	1/2Dr Skt12pt 22mm
C-32	Cd Chs 8 StSz 7/8	30008	1/4DrSliding T Hdle	RBM-22	RatBxWR 22mm	STM-1223	1/2Dr Skt12pt 23mm
C-36	Cd Chs 8 StSz 7/8	M-42A	1/4DrFlHdl	RBM-23	RatBxWR 23mm	STM-1224	1/2Dr Skt12pt 24mm
C-715	RlBr 1/2 StSz 15-1/8	M-52EHA	1/4Dr EncHd Ratchet 5	RBM-24	RatBxWR 24mm	STM-1225	1/2Dr Skt12pt 25mm
C-718	RlBr 5/8 StSz 18	MFE-6	1/4Dr Flible Ext 6	RBM-25	RatBxWR 25mm	STM-1226	1/2Dr Skt12pt 26mm
C-8	Cd Chs 4-3/4 StSz 1/4	MM-604	Mm Skt6pt 4mm	RBM-26	RatBxWR 26mm	STM-1227	1/2Dr Skt12pt 27mm
C-80A	Pch Bar 3/4 StSz 24	MM-605	Mm Skt6pt 5mm	RBM-27	RatBxWR 27mm	STM-1228	1/2Dr Skt12pt 28mm
C-82A	Pch Bar 3/4 StSz 18	MM-6055	Mm Skt6pt 55mm	RBM-29	RatBxWR 29mm	STM-1229	1/2Dr Skt12pt 29mm
CC-404C	C-Cl Cpr Scr 4	MM-606	Mm Skt6pt 6mm	RBM-30	RatBxWR 30mm	STM-1230	1/2Dr Skt12pt 30mm
CC-406C	C-Cl Cpr Scr 6	MM-607	Mm Skt6pt 7mm	RBM-32	RatBxWR 32mm	STM-1232	1/2Dr Skt12pt 32mm
CW-4	Chain WR	MM-608	Mm Skt6pt 8mm	RBM-36	RatBxWR 36mm	STM-1234	1/2Dr Skt12pt 34mm
EWM-0607	OE WRChrSat 6x 7mm	MM-609	Mm Skt6pt 9mm	S-102P	1/2Dr Ext2	STM-1236	1/2Dr Skt12pt 36mm
EWM-0708	OE WRChrSat 7x 8mm	MM-610	Mm Skt6pt 10mm	S-10A	1/2Dr Speeder 13-5/8	TS38394	TurboSkt SavSkt 10mm
EWM-1011	OE WRChrSat 10x 11mm	MM-611	Mm Skt6pt 11mm	S-110P	1/2Dr Ext5	TS38472	TurboSkt SavSkt 12mm
EWM-1213	OE WRChrSat 12x 13mm	MM-612	Mm Skt6pt 12mm	S-115P	1/2Dr Ext10	TS38512	TurboSkt SavSkt 13mm
EWM-1415	OE WRChrSat 14x 15mm	MM-613	Mm Skt6pt 13mm	S-121P	1/2Dr Ext20	TS38551	TurboSkt SavSkt 14mm
EWM-1618	OE WRChrSat 16x 18mm	MM-614	Mm Skt6pt 14mm	S-140A	1/2DrU-Joint	TS38591	TurboSkt SavSkt 15mm
EWM-1719	OE WRChrSat 17x 19mm	MMD-604	Mm Dp Skt6pt 4mm	S-15A	1/2Dr Speeder 18-1/16	TS38669	TurboSkt SavSkt 17mm
EWM-2124	OE WRChrSat 21x 24mm	MMD-605	Mm Dp Skt6pt 5mm	S-20A	1/2Dr Sliding T Hdle	WRS-1	Rat Scr
EWM-2427	OE WRChrSat 24x 27mm	MMD-6055	Mm Dp Skt6pt 55mm	S-40AA	1/2Dr FlHdl 10-7/16	WRST1	T Hdle Rat Scr Stby
EWM-2730	OE WRChrSat 27x 30mm	MMD-606	Mm Dp Skt6pt 6mm	S-41AA	1/2Dr FlHdl 15-1/2	WS-44	Hex Key Set 13-pcs
GS-1	Master Feeler Gauge Set	MMD-607	Mm Dp Skt6pt 7mm	S-52EHA	1/2Dr EncHd Rat 10-3/8	WS-45	Hex Key Set 8-pcs
GSC-12	Gasket Scr-8-3/4x1 1/2	MMD-608	Mm Dp Skt6pt 8mm	S-52EHLA	1/2Dr EncHd Rat 15		
H-104	3/4Dr Ext 3	MMD-609	Mm Dp Skt6pt 9mm				

Contents: Mega Set WSC-960TB

Refer to Master Sets Section Pages 22 & 23 for Photo and Description

Note: WSC-960 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1002MFRMH	3/8Dr Cl Trq Wr 100 F-Lb	1118A	Min OE WRChrSat 9/32	11900	Fl Hd Comb WR 3/8	1-210-08-1-2	8 1/2RD BST File w/Hdle
10111	Hex Key Set Sh 11-Pc	1120A	Min OE WRChrSat 5/16	11901	Fl Hd Comb WR 7/16	1210MRC	Rev Rat Comb WR 10 mm
1020	OE Wr 1/4x5/16	1122A	Min OE WRChrSat 11/32	11902	Fl Hd Comb WR 1/2	1210MSC	WRChrSat12pt 10mm
10213	Hex Key Set Lg 13-Pc	1124A	Min OE WRChrSat 3/8	11903	Fl Hd Comb WR 9/16	1210RC	Rev Rat Comb WR 5/16
1033C	OE Wr 15/16x1	1128A	Min OE WRChrSat 7/16	11904	Fl Hd Comb WR 5/8	1210SC	WRChrSat12pt 5/16
1037	OE Wr 1-1/16x1-1/4	11312	Stby Comb WRes 3/8	11905	Fl Hd Comb WR 11/16	1211MRC	Rev Rat Comb WR 11 mm
1037B	OE Wr1-1/8x1-3/16	11314	Stby Comb WRes 7/16	11906	Fl Hd Comb WR 3/4	1211MSC	WRChrSat12pt 11mm
10600	DblHd FL WR 3/8x7/16	11316	Stby Comb WRes 1/2	11920	Fl Hd SQDr 3/8x1/2	1212MRC	Rev Rat Comb WR 12 mm
10602	DblHd FL WR 1/2x9/16	11318	Stby Comb WRes 9/16	11952	Ofs Comb WR 3/8	1212MSC	WRChrSat12pt 12mm
10604	DblHd FL WR 5/8x11/16	1132A	Min OE WRChrSat 1/2	11953	Ofs Comb WR 7/16	1212RC	Rev Rat Comb WR 3/8
10606	DblHd FL WR 3/4x7/8	11320	Stby Comb WRes 5/8	11954	Ofs Comb WR 1/2	1212SC	WRChrSat12pt 3/8
10650	FL NUT WR 9x11 mm	11322	Stby Comb WRes 11/16	11955	Ofs Comb WR 9/16	1213MRC	Rev Rat Comb WR 13 mm
10652	FL NUT WR 10x12 mm	11324	Stby Comb WRes 3/4	11956	Ofs Comb WR 5/8	1213MSC	WRChrSat12pt 13mm
10654	FL NUT WR 13x14 mm	1136A	Min OE WRChrSat 9/16	11957	Ofs Comb WR 11/16	1214MRC	Rev Rat Comb WR 14 mm
10656	FL NUT WR 15x17 mm	1140A	Min OE WRChrSat 5/8	11958	Ofs Comb WR 3/4	1214MSC	WRChrSat12pt 14mm
10658	FL NUT WR 19x21 mm	1-160-04-3-2	4 SQ SM File w/PlHdl	11959	Ofs Comb WR 13/16	1214RC	Rev Rat Comb WR 7/16
1-100-04-3-2	4 Hd SM File w/PlHdl	1-160-08-1-2	8 SQ BST File w/Hdle	11960	Ofs Comb WR 7/8	1214SC	WRChrSat12pt 7/16
1-100-08-1-2	8 Hd BST File w/Hdle	1-170-04-3-2	4 3 SQ SM File w/PlHdl	1206MRC	6mm Rat Comb Wr	1215MRC	Rev Rat Comb WR 15 mm
1-100-08-2-2	8 Hd 2ND File w/Hdle	11710	Stby Comb WRe Set 10 mm	1207MSC	WRChrSat12pt 7mm	1215MSC	WRChrSat12pt 15mm
1-111-04-3-2	4 WRD SM File w/PlHdl	11712	Stby Comb WRe Set 12 mm	1208MRC	Rev Rat Comb WR 8 mm	1216MRC	Rev Rat Comb WR 16 mm
1112A	Min OE WRChrSat 3/16	11713	Stby Comb WRe Set 13 mm	1208MSC	WRChrSat12pt 8mm	1216RC	Rev Rat Comb WR 1/2
1113A	Min OE WRChrSat 13/64	11714	Stby Comb WRe Set 14 mm	1208RC	1/4 Rat Comb Wr	1216SC	WRChrSat12pt 1/2
1114A	Min OE WRChrSat 7/32	11715	Stby Comb WRe Set 15 mm	1209MRC	Rev Rat Comb WR 9 mm	1217MRC	Rev Rat Comb WR 17 mm
1115A	Min OE WRChrSat 15/64	11717	Stby Comb WRe Set 17 mm	1209MSC	WRChrSat12pt 9mm	1217MSC	WRChrSat12pt 17mm
1116A	Min OE WRChrSat 1/4	11718	Stby Comb WRe Set 18 mm	1-210-04-3-2	4 1/2RD SM File w/PlHdl	1218MRC	Rev Rat Comb WR 18 mm

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Contents: Mega Set WSC-960TB (con't)

Product Code	Description
1218MSC	WRChrSat12pt 18 mm
1218RC	Rev Rat Comb WR 9/16
1218SC	WRChrSat12pt 9/16
1219MRC	Rev Rat Comb WR 19 mm
1219MSC	WRChrSat12pt 19 mm
1220RC	Rev Rat Comb WR 5/8
1220SC	WRChrSat12pt 5/8
1221MSC	WRChrSat12pt 21 mm
1222MSC	WRChrSat12pt 22 mm
1222RC	Rev Rat Comb WR 11/16
1222SC	WRChrSat12pt 11/16
1224MSC	WRChrSat12pt 24 mm
1224RC	Rev Rat Comb WR 3/4
1224SC	WRChrSat12pt 3/4
1226SC	WRChrSat12pt 13/16
1227MSC	WRChrSat12pt 27 mm
1228SC	WRChrSat12pt 7/8
1-230-04-3-2	4 RD SM File w/PlHdl
1-230-08-1-2	8 RD BST File w/Hdle
1230MSC	WRChrSat12pt 30 mm
1230SC	WRChrSat12pt 15/16
1232MSC	WRChrSat12pt 32 mm
1232SC	WRChrSat12pt 1
1234MSC	WRChrSat12pt 34 mm
1234SC	WRChrSat12pt 1-1/16
1236MSC	WRChrSat12pt 36 mm
1236SC	WRChrSat12pt 1-1/8
1240SC	WRChrSat12pt 1-1/4
12601	Dbl Fl Hd WR 3/8x7/16
12603	Dbl Fl Hd WR 1/2x9/16
12605	Dbl Fl Hd WR 5/8x11/16
12607	Dbl Fl Hd WR 3/4x7/8
12-610	3/8Dr DpImSkt6pt 5/16
12-612	3/8Dr DpImSkt6pt 3/8
12-614	3/8Dr DpImSkt6pt 7/16
12-616	3/8Dr DpImSkt6pt 1/2
12-618	3/8Dr DpImSkt6pt 9/16
12-620	3/8Dr DpImSkt6pt 5/8
12-622	3/8Dr DpImSkt6pt 11/16
12-624	3/8Dr DpImSkt6pt 3/4
12-626	3/8Dr DpImSkt6pt 13/16
12-628	3/8Dr DpImSkt6pt 7/8
12-630	3/8Dr DpImSkt6pt 15/16
12-632	3/8Dr DpImSkt6pt 1
12M-607	3/8Dr DpImSkt6pt 7mm
12M-608	3/8Dr DpImSkt6pt 8mm
12M-609	3/8Dr DpImSkt6pt 9mm
12M-610	3/8Dr DpImSkt6pt 10M
12M-611	3/8Dr DpImSkt6pt 11M
12M-612	3/8Dr DpImSkt6pt 12M
12M-613	3/8Dr DpImSkt6pt 13M
12M-614	3/8Dr DpImSkt6pt 14M
12M-615	3/8Dr DpImSkt6pt 15M
12M-616	3/8Dr DpImSkt6pt 16M
12M-617	3/8Dr DpImSkt6pt 17M
12M-618	3/8Dr DpImSkt6pt 18M
12M-619	3/8Dr DpImSkt6pt 19M
12M-620	3/8Dr DpImSkt6pt 20M
12M-621	3/8Dr DpImSkt6pt 21M
12M-622	3/8Dr DpImSkt6pt 22M
12M-623	3/8Dr DpImSkt6pt 23M
12M-624	3/8Dr DpImSkt6pt 24M
13406A	Chr Adj WRes 6
13408A	Chr Adj WRes 8
13410A	Chr Adj WRes 10
13412A	Chr Adj WRes 12
13418A	18 Chr Adj Wr Pol Hd
13518	Cast Iron Pipe WR 8
13522	Cast Iron Pipe WR 12
13526	Cast Iron Pipe WR 18
13625A	15 Const Adj WR
14-612	1/2Dr DpImSkt6pt 3/8
14-614	1/2Dr DpImSkt6pt 7/16
14-616	1/2Dr DpImSkt6pt 1/2
14-618	1/2Dr DpImSkt6pt 9/16
14-620	1/2Dr DpImSkt6pt 5/8
14-622	1/2Dr DpImSkt6pt11/16
14-624	1/2Dr DpImSkt6pt 3/4
14-626	1/2Dr DpImSkt6pt13/16
14-628	1/2Dr DpImSkt6pt 7/8
14-630	1/2Dr DpImSkt6pt15/16
14-632	1/2Dr DpImSkt6pt 1
14-634	1/2Dr DpImSkt6pt 1-1/16
14-636	1/2Dr DpImSkt6pt 1-1/8
14-638	1/2Dr DpImSkt6pt 1-3/16
14-640	1/2Dr DpImSkt6pt 1-1/4
14-642	1/2Dr DpImSkt6pt 1-5/16
14-644	1/2Dr DpImSkt6pt 1-3/8
14-646	1/2Dr DpImSkt6pt 1-7/16
14-648	1/2Dr DpImSkt6pt 1-1/2
1723	OE Wr 3/8x7/16
1725	OE Wr 7/16x1/2
1725B	OE Wr 1/2x9/16
1727	OE Wr 9/16x5/8
1729B	OE Wr 11/16x3/4
1731B	OE Wr 13/16x7/8
2-02B	3/8Dr Imp Ext 3
20401	20oz FG Crv Claw Hmr
20544	16oz Bl PN FG Hdle Hmr
20545	24oz Bl PN FG Hdle Hmr
20651	48oz CrPN FG LgHdl Hmr
20678	32ozDrilling FG Hdle Hmr
208	Mini Hksw Alum Hdle 10
2-103A	3/8Dr Imp Ext 3
2-106A	3/8Dr Imp Ext 6
2-140B	3/8Dr Imp Uni Joint
21661	2pc PryBar BmdHdl
23092	2pc Ret Rg Pls Set
23101	6-1/4 Sl Jt Pl
23103	9-3/4 Sl Jt Pl
23107	15-3/4 Gr Jt Pl 9 Pos
2628G-180	Sd-Cut Comb Pls -8
23201	CrvJaw w/Ctr LckPl 5
23202	CrvJaw w/Ctr LckPl 7
23203	CrvJaw w/Ctr LckPl 10
23301	CrvJaw wire Ctr LckPl 5
23302	CrvJaw wire Ctr LckPl 7
23305	Str Jaw LckPl 10
23310	Lg Ns wire Ctr LckPls 9
23320	Lck C-Cl LckPl 6
23503	FrEnd Strip-Cut/Crimper
23506	Heavy Duty Stripper/Ctr
23535	Cg Super Stripper 20-30
23541	Elec Mini-Ctr 5-1/2
23542	Elec Mini-Stripper 5-1/2
23543	Elec Mini-Crimper 5-1/2
PL-205C	Lineman's Elec 8-1/2"
23603	9 Lnms Dipped Hdles
23404	5-1/2" Diagonal Cutters
PL-57C	Diagonal Cut Hi Leverage
23409	6-1/4" Bent Nose
PL-95C	Chain Nose Pliers 5-1/2"
PL-77C	Chain Nose PL XL Nose 7-1/2"
222D	Alligator Pliers - 6"
223D	Alligator Pliers - 7-1/2"
224D	Alligator Pliers - 9-1/2"
24201A	Cab Scr 1/8x4
24205A	Sl Scr 3/16x4
24207A	Cab Scr 3/16x3
24211A	Cab Scr 3/16x6
24213A	Cab Scr 3/16x10
24217A	Sl Scr 1/4x1 1/2
24219A	Sl Scr 1/4x4
24237A	Sl Scr 5/16x6
24239A	5/16x8 Rd Sl Bmd Hdle
24241A	Sl Scr 3/8x8
24243A	3/8x12 Rd Sl Bmd Hdle
24249A	Ph Scr # 1x3
24251A	Ph Scr # 2x1 1/2
24253A	Ph Scr # 2x4
24259A	#3x6 Ph Bmd Hdle
24263A	Torx Scr T10x4
24265A	Torx Scr T15x4
24267A	Torx Scr T20x4
24269A	Torx Scr T25x4
24271A	Torx Scr T27x4
24273A	Torx Scr T30x4
24401	3/16 Csh Gr Ntdrv
24403	1/4 Csh Gr Ntdrv
24405	5/16 Csh Gr Ntdrv
24407	11/32 Csh Gr Ntdrv
2-4A	3/8Dr Imp ADptr3/8Fx1/2M
2503MFRMH	1/2Dr Cl Trq Wr 250 F-Lb
2-608	3/8Dr ImSkt6pt 1/4
2-610	3/8Dr ImSkt6pt 5/16
2-612	3/8Dr ImSkt6pt 3/8
2-614	3/8Dr ImSkt6pt 7/16
2-616	3/8Dr ImSkt6pt 1/2
2-618	3/8Dr ImSkt6pt 9/16
2-620	3/8Dr ImSkt6pt 5/8
2-622	3/8Dr ImSkt6pt 11/1
2-624	3/8Dr ImSkt6pt 3/4
2-626	3/8Dr ImSkt6pt 13/1
2-628	3/8Dr ImSkt6pt 7/8
2-630	3/8Dr ImSkt6pt 15/1
2-632	3/8Dr ImSkt6pt 1
PL-209X	Lnms'S Pl Comf Gr 9 -1/2
28201	Av Snips Left
28203	Av Snips Right
28205	Av Snips Str
2M-607	Std ImSkt6pt 7 mm
2M-608	Std ImSkt6pt 8 mm
2M-609	Std ImSkt6pt 9 mm
2M-610	Std ImSkt6pt 10 mm
2M-611	Std ImSkt6pt 11 mm
2M-612	Std ImSkt6pt 12 mm
2M-613	Std ImSkt6pt 13 mm
2M-614	Std ImSkt6pt 14 mm
2M-615	Std ImSkt6pt 15 mm
2M-616	Std ImSkt6pt 16 mm
2M-617	Std ImSkt6pt 17 mm
2M-618	Std ImSkt6pt 18 mm
2M-619	Std ImSkt6pt 19 mm
30009	1/4 Fx3/8 M Adapter
300-14-F15/16-HP	TlBx Saw Pl14 15TPI
31008	3/8 Fx1/4 M Adapter
31009	3/8 Fx1/2 M Adapter
31301	3/8Dr SpkPl Skt 5/8
31303	3/8Dr SpkPl Skt 13/16
32008	1/2 Fx3/8 M Adapter
32412	1/2Dr Skt 3/8
32414	1/2Dr Skt 7/16
32416	1/2Dr Skt 1/2
32418	1/2Dr Skt 9/16
32420	1/2Dr Skt 5/8
32422	1/2Dr Skt 11/16
32424	1/2Dr Skt 3/4
32426	1/2Dr Skt 13/16
32428	1/2Dr Skt 7/8
32430	1/2Dr Skt 15/16
32432	1/2Dr Skt 1
32434	1/2Dr Skt 1 1/16
32436	1/2Dr Skt 1 1/8
32438	1/2Dr Skt 1 3/16
32440	1/2Dr Skt 1 1/4
32448	1/2Dr Skt 1 1/2
325	Prof Hksw Hdle 12
33008	3/4F*1/2MAdapter
35040	1/4Dr ScrBt Skt Sl 5/32
35041	1/4Dr ScrBt Skt Sl 7/32
35042	1/4Dr ScrBt Skt Sl 9/32
35050	1/4Dr ScrBt Skt Ph # 0
35051	1/4Dr ScrBt Skt Ph # 1
35052	1/4Dr ScrBt Skt Ph # 2
35080	1/4Dr Torx Bit Skt T10
35081	1/4Dr Torx Bit Skt T15
35082	1/4Dr Torx Bit Skt T20
35083	1/4Dr Torx Bit Skt T25
35084	1/4Dr Torx Bit Skt T27
35085	1/4Dr Torx Bit Skt T30
35182	3/8Dr Torx Bit Skt T25
35183	3/8Dr Torx Bit Skt T27
35184	3/8Dr Torx Bit Skt T30
35185	3/8Dr Torx Bit Skt T40
35186	3/8Dr Torx Bit Skt T45
35187	3/8Dr Torx Bit Skt T47
35188	3/8Dr Torx Bit Skt T50
3816-300	Tung Carbide Hksw Bl 12
38216	3/4Dr Hex ImSkt 1/2
38218	3/4Dr Hex ImSkt 9/16
38220	3/4Dr Hex ImSkt 5/8
38224	3/4Dr Hex ImSkt 3/4
38226	3/4Dr Hex ImSkt 13/16
38228	3/4Dr Hex ImSkt 7/8
38232	3/4Dr Hex ImSkt 1
38238	3/4Dr Hex ImSkt 1 1/8
38240	3/4Dr Hex ImSkt 1 1/4
3840-100-10-SC-1P	BiRecipBL 4 10TPI
3840-100-18-SC-1P	BiRecipBL 4 18TPI
3840-100-24-ST-1P	BiRecipBL 4 24TPI U-Thg
3840-100-6-ST-1P	BiRecipBL 4 6TPI U-Thg
3840-150-10-ST-1P	BiRecipBL 6 10TPI U-Thg
3840-150-14-ST-1P	BiRecipBL 6 14TPI U-Thg
3840-150-18-ST-1P	BiRecipBL 6 18TPI U-Thg
3840-150-24-ST-1P	BiRecipBL 6 24TPI U-Thg
3840-150-5/8-SL-1P	BiRecipBL 6 5/8TPI
3840-150-7-SL-1P	BiRecipBL 6 7TPI
396-LAP	Fldg Saw Bmd 8 7TPI
40000	1/4x6 GsktScpr BmdHdl
40052	QckBl AutoUtKnife5pk 025
40058	Fldg Ut Knife
40072	QckBl DispBulk 100pk 025
40150	Tel Pick-Up Tl BmdHdl
40201	4pc MiniPick/Hook BmdHdl
40221	12 Strap WR
40251	4pc Ut Tl Set BmdHdl
4-6	1/2Dr Imp ADpr1/2 Fx3/4
4-102	1/2Dr Imp Ext 3-1/2
4-105A	1/2Dr Imp Ext 5
4-110A	1/2Dr Imp Ext10
4-140B	1/2Dr Imp U-Joint
42302	Std Seat Creeper
4-2F	1/2Dr Imp ADpr1/2 Fx3/8
43605	Tube Ctr 1-1/8
43618	Pl Hose Ctr
4559-24	Bolt Ctr Cmf Grs 24
4-612	1/2Dr ImSkt6pt 3/8
4-614	1/2Dr ImSkt6pt7/16
4-616	1/2Dr ImSkt6pt1/2
4-618	1/2Dr ImSkt6pt9/16
4-620	1/2Dr ImSkt6pt5/8
4-622	1/2Dr ImSkt6pt11/16
4-624	1/2Dr ImSkt6pt3/4
4-626	1/2Dr ImSkt6pt13/16
4-628	1/2Dr ImSkt6pt7/8
4-630	1/2Dr ImSkt6pt15/16
4-632	1/2Dr ImSkt6pt1
4-634	1/2Dr ImSkt6pt1-1/16
4-636	1/2Dr ImSkt6pt1-1/8
4-638	1/2Dr ImSkt6pt1-3/16
4-640	1/2Dr ImSkt6pt1-1/4
4-642	1/2Dr ImSkt6pt1-5/16
4-644	1/2Dr ImSkt6pt1-3/8
4-646	1/2Dr ImSkt6pt1-7/16
4-648	1/2Dr ImSkt6pt1-1/2
471	Adj Hk Spner 3/4 To 2
472	Adj Hk Spner 1-1/4 To 3
474	Adj Hk Spner 2 To 4-3/4
4M-610	1/2Dr ImSkt6pt 10mm
4M-611	1/2Dr ImSkt6pt 11mm
4M-612	1/2Dr ImSkt6pt 12mm
4M-613	1/2Dr ImSkt6pt 13mm
4M-614	1/2Dr ImSkt6pt 14mm
4M-615	1/2Dr ImSkt6pt 15mm
4M-616	1/2Dr ImSkt6pt 16mm
4M-617	1/2Dr ImSkt6pt 17mm
4M-618	1/2Dr ImSkt6pt 18mm
4M-619	1/2Dr ImSkt6pt 19mm
4M-620	1/2Dr ImSkt6pt 20mm
4M-621	1/2Dr ImSkt6pt 21mm
4M-622	1/2Dr ImSkt6pt 22mm
4M-623	1/2Dr ImSkt6pt 23mm
4M-624	1/2Dr ImSkt6pt 24mm
4M-625	1/2Dr ImSkt6pt 25mm
4M-626	1/2Dr ImSkt6pt 26mm
4M-627	1/2Dr ImSkt6pt 27mm
4M-629	1/2Dr ImSkt6pt 29mm
4M-630	1/2Dr ImSkt6pt 30mm
4M-632	1/2DrImSkt6pt 32M
4M-634	1/2Dr ImSkt6pt 34mm
4M-636	1/2Dr ImSkt6pt 36mm
50721	3Drw 34 Cart-Rb Red
50856	1 Shlf 37 Hd Sdcb Red
625	Scrp1 TripleW/Hlstr
625-DROP	Drop-Shape Bl625 Scrp
625-PEAR	Pear-Shape Bl625 Scrp
625-RD	RD Bl625 Scrp
665	Scrp2-1/2 Dble Bl
8223	Adj Joint Pls 8
8225	Adj Joint Pls 12
860114	Bi Hksw Bl 12 18TPI
87079	10 Ton Manmaster Gear Set
9031RUS	Blkx-Wide Adj WR 8
9070RPUS	Blk Adj/Pipe WR 6
9072RPUS	Blk Adj/Pipe WR 10
9-12-51/3806-KP	Bws w/Bws & Hack Bl
9-467-00-0-0	File Cleaner
B-101	3/8Dr Ext 1 1/2
B-108	3/8Dr Ext 3
B-110	3/8Dr Ext 6
B-115	3/8Dr Ext 11
B-118	3/8Dr Ext 18
B-1208	Skt12pt 1/4
B-1210	Skt12pt 5/16
B-1212	Skt12pt 3/8
B-1214	Skt12pt 7/16
B-1216	Skt12pt 1/2
B-1218	Skt12pt 9/16
B-1220	Skt12pt 5/8
B-1222	Skt12pt 11/16
B-1224	Skt12pt 3/4
B-1226	Skt12pt 13/16
B-1228	Skt12pt 7/8
B-1230	Skt12pt 15/16
B-1232	Skt12pt 1
B-140A	3/8Dr U-Joint
B-15	3/8Dr Speeder
B-20A	3/8Dr Sliding T Hdle
B-40A	3/8Dr FlHdl
B-52EHA	3/8Dr Encl Hd Rat 8
B-52EHLA	3/8Dr Encl Hd Rat 10-3/4
B-70	Chr Ratchet Spinner
BA-10A	Sh HexBtSkt 5/16
BA-10A-3P	3/8Dr Ph Skt 3-Pt
BA-10A-3S	3/8Dr SlSkt 9/32x045
BA-10A-4S	3/8Dr SlSkt 5/16x055
BA-10HBA	Bl HexBtSkt 5/16
BA-10LA	Lg HexBtSkt 5/16
BA-12A	Sh HexBtSkt 3/8
BA-12A-4P	3/8Dr Ph Skt 4-Pt
BA-12HBA	Bl HexBtSkt 3/8
BA-12LA	Lg HexBtSkt 3/8
BA-4A	Sh HexBtSkt 1/8
BA-4HBA	Bl HexBtSkt 1/8
BA-4LA	Lg HexBtSkt 1/8
BA-5A	Sh HexBtSkt 5/32
BA-5A-1S	3/8Dr SlSkt 3/16x032
BA-5HBA	Bl HexBtSkt 5/32
BA-5LA	Lg HexBtSkt 5/32
BA-6A	Sh HexBtSkt 3/16
BA-6HBA	Bl HexBtSkt 3/16
BA-6LA	Lg HexBtSkt 3/16
BA-7A	Sh HexBtSkt 7/32
BA-7A-1P	3/8Dr Ph Skt 1-Pt
BA-7A-2P	3/8Dr Ph Skt 2-Pt
BA-7A-2S	3/8Dr SlSkt 7/32x040
BA-7HBA	Bl HexBtSkt 7/32
BA-7LA	Lg HexBtSkt 7/32

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Mega Set WSC-960TB (con't)

Product Code	Description
BA-8A	Sh HexBtSkt 1/4
BA-8HBA	Bl HexBtSkt 1/4
BA-8LA	Lg HexBtSkt 1/4
BD-1208	Dp Skt12pt 1/4
BD-1210	Dp Skt12pt 5/16
BD-1212	Dp Skt12pt 3/8
BD-1214	Dp Skt12pt 7/16
BD-1216	Dp Skt12pt 1/2
BD-1218	Dp Skt12pt 9/16
BD-1220	Dp Skt12pt 5/8
BD-1222	Dp Skt12pt 11/16
BD-1224	Dp Skt12pt 3/4
BD-1226	Dp Skt12pt 13/16
BD-1228	Dp Skt12pt 7/8
BD-1230	Dp Skt12pt 15/16
BD-1232	Dp Skt12pt 1
BD-808	3/8Dr Skt 8-Pt 1/4
BD-810	3/8Dr Skt 8-Pt 5/16
BD-812	3/8Dr Skt 8-Pt 3/8
BD-814	3/8Dr Skt 8-Pt 7/16
BD-816	3/8Dr Skt 8-Pt 1/2
BD-818	3/8Dr Skt 8-Pt 9/16
BD-820	3/8Dr Skt 8-Pt 5/8
BFE-8	3/8Dr Flible Ext 8
BHMD-30	3/8Dr Hd ImpDrr
BM-1206	6 mm 3/8Dr Std12pt Skt
BM-1207	7 mm 3/8Dr Std12pt Skt
BM-1208	8 mm 3/8Dr Std12pt Skt
BM-1209	9 mm 3/8Dr Std12pt Skt
BM-1210	10 mm 3/8Dr Std12pt Skt
BM-1210	10 mm 3/8Dr Std12pt Skt
BM-1211	11 mm 3/8Dr Std12pt Skt
BM-1212	12 mm 3/8Dr Std12pt Skt
BM-1213	13 mm 3/8Dr Std12pt Skt
BM-1214	14 mm 3/8Dr Std12pt Skt
BM-1215	15 mm 3/8Dr Std12pt Skt
BM-1216	16 mm 3/8Dr Std12pt Skt
BM-1217	17 mm 3/8Dr Std12pt Skt
BM-1218	18 mm 3/8Dr Std12pt Skt
BM-1219	19 mm 3/8Dr Std12pt Skt
BM-1220	20 mm 3/8Dr Std12pt Skt
BM-1221	21 mm 3/8Dr Std12pt Skt
BM-1222	22 mm 3/8Dr Std12pt Skt
BM-1223	23 mm 3/8Dr Std12pt Skt
BM-1224	24 mm 3/8Dr Std12pt Skt
BM-1226	26 mm 3/8Dr Std12pt Skt
BS-05B	3/8Dr ADpr1/2 Fx3/8 M Blk
BS-12B	3/8Dr ADpr1/2 Fx3/8 M Blk
BU-1212	U-Skt12pt 3/8
BU-1214	U-Skt12pt 7/16
BU-1216	U-Skt12pt 1/2
BU-1218	U-Skt12pt 9/16
BU-1220	U-Skt12pt 5/8
BU-1222	U-Skt12pt 11/16
BU-1224	U-Skt12pt 3/4
BWM-0810	DblHd 10°Ofs BxWR 8x10
BWM-1113	DblHd 10°Ofs BxWR 11x013
BWM-1214	DblHd 10°Ofs BxWR 12x14
BWM-1415	DblHd 10°Ofs BxWR 14x15
BWM-1618	DblHd 10°Ofs BxWR 16x18
BWM-1719	DblHd 10°Ofs BxWR 17x19
BWM-1922	DblHd 10°Ofs BxWR 19x22
BWM-2124	DblHd 10°Ofs BxWR 21x24
BWM-2730	DblHd 10°Ofs BxWR 27x30
BWM-3032	DblHd 10°Ofs BxWR 30x32
C-10	Cd Chs 5 StSz 5/16
C-12	Cd Chs 5-1/4 StSz 5/16
C-16	Cd Chs 6 StSz 3/8
C-20	Cd Chs 6-1/2 StSz 1/2
C-24	Cd Chs 7 StSz 5/8
C-28	Cd Chs 7-1/2 StSz 3/8
C-32	Cd Chs 8 StSz 7/8
C-36	Cd Chs 8 StSz 7/8
C-715	RlBr 1/2 StSz 15-1/8
C-718	RlBr 5/8 StSz 18
C-8	Cd Chs 4-3/4 StSz 1/4
C-80A	Pch Bar 3/4 StSz 24
C-82A	Pch Bar 3/4 StSz 18
CC-404C	C-Cl Cpr Scr 4
CC-406C	C-Cl Cpr Scr 6
CW-4	Chain Wr
Ex-21A	ExtrDrill Sz 1/8
Ex-21B	ExtrDrill Sz 3/16
Ex-22A	ExtrDrill Sz 7/32
Ex-24A	ExtrDrill Sz 5/16
Ex-25A	ExtrDrill Sz 15/32
Ex-25B	ExtrDrill Sz 3/8
Ex-26A	ExtrDrill Sz 9/16
Ex-28	ExtrDrill Sz 21/32
Ex-29	ExtrDrill Sz 13/16
GS-1	Master Feeler Gauge Set
GSC-12	GsktScpr-8-3/4x1 1/2
H-104	3/4Dr Ext 3
H-110	3/4Dr Ext 8
H-115	3/4Dr Ext 16
H-1224	3/4Dr Skt12pt 3/4
H-1226	3/4Dr Skt12pt 13/16
H-1228	3/4Dr Skt12pt 7/8
H-1230	3/4Dr Skt12pt 15/16
H-1232	3/4Dr Skt12pt 1
H-1234	3/4Dr Skt12pt 1-1/16
H-1236	3/4Dr Skt12pt 1-1/8
H-1238	3/4Dr Skt12pt 1-3/16
H-1240	3/4Dr Skt12pt 1-1/4
H-1242	3/4Dr Skt12pt 1-5/16
H-1244	3/4Dr Skt12pt 1-3/8
H-1246	3/4Dr Skt12pt 1-7/16
H-1248	3/4Dr Skt12pt 1-1/2
H-1250	3/4Dr Skt12pt 1-9/16
H-1252	3/4Dr Skt12pt 1-5/8
H-1254	3/4Dr Skt12pt 1-11/16
H-1256	3/4Dr Skt12pt 1-3/4
H-1258	3/4Dr Skt12pt 1-13/16
H-1260	3/4Dr Skt12pt 1-7/8
H-1264	3/4Dr Skt12pt 2
H-1266	3/4Dr Skt12pt 2-1/16
H-1268	3/4Dr Skt12pt 2-1/8
H-1270	3/4Dr Skt12pt 2-3/16
H-1272	3/4Dr Skt12pt 2-1/4
H-1274	3/4Dr Skt12pt 2-5/16
H-1276	3/4Dr Skt12pt 2-3/8
H-140A	3/4Dr U-Joint
H-20A	3/4Dr Sliding T Hdle
H-41AA	3/4Dr FlHdl Chr22-1/8
H-51AB1	3/4Dr Ratchet 24-11/16
HNx-130	3/4Dr ADp 3/4 Fx1 M
HNx-131	3/4Dr ADp 3/4 Mx1 F
HSB-2.6A	Brass Hammer, 2-1/2 Lb
HSB-3.8A	Brass Hmr 4 Lb
HSF-155A	Hmr Body 1-1/4 Lb 1-1/2
HSF-15N	Hmr Tip Med Hard 1-1/2
HSF-15S	Hmr Tip Soft 1-1/2
HSF-15xH	Hmr Tip Extra Hard1-1/2
JHW-16	Deadblow Hmr16oz
JHW-32	Deadblow Hmr32oz
M-102	1/4DrExt2
M-104	1/4DrExt4
M-106A	1/4DrSpinner Hdle
M-110	1/4DrExt 10
M-115	1/4DrExt6
M-140A	1/4DrU-Joint
M-15A	1/4DrSpeeder
30008	1/4DrSliding T Hdle
M-42A	1/4DrFlHdl
M-52EHA	1/4Dr Encl Hd Ratchet 5
M-605	Skt6pt 5/32
M-606	Skt6pt 3/16
M-607	Skt6pt 7/32
M-608	Skt6pt 1/4
M-609	Skt6pt 9/32
M-610	Skt6pt 5/16
M-611	Skt6pt 11/32
M-612	Skt6pt 3/8
M-614	Skt6pt 7/16
M-616	Skt6pt 1/2
M-618	Skt6pt 9/16
M-808	1/4Dr Skt 8-Pt 1/4
M-810	1/4Dr Skt 8-Pt 5/16
M-812	1/4Dr Skt 8-Pt 3/8
MA-10A	1/4Dr HexBtSkt 5/16
MA-2-1/2A	1/4Dr HexBtSkt 5/64
MA-2A	1/4Dr HexBtSkt 1/16
MA-3-1/2A	1/4Dr HexBtSkt 7/64
MA-3A	1/4Dr HexBtSkt 3/32
MA-4-1/2A	1/4Dr HexBtSkt 9/64
MA-4.5SA	1/4Dr 9/64x-S HexBtSkt
MA-4A	1/4Dr HexBtSkt 1/8
MA-4SA	1/4Dr 1/8x-Sh HexBtSkt
MA-5A	1/4Dr HexBtSkt 5/32
MA-5SA	1/4Dr 5/32x-S HexBtSkt
MA-6A	1/4Dr HexBtSkt 3/16
MA-6SA	1/4Dr 3/16x-Sh HexBtSkt
MA-7A	1/4Dr HexBtSkt 7/32
MA-8A	1/4Dr HexBtSkt 1/4
MFE-6	1/4Dr Flible Ext 6
MM-604	Mm Skt6pt 4mm
MM-605	Mm Skt6pt 5mm
MM-6055	Mm Skt6pt 55mm
MM-606	Mm Skt6pt 6mm
MM-607	Mm Skt6pt 7mm
MM-608	Mm Skt6pt 8mm
MM-609	Mm Skt6pt 9mm
MM-610	Mm Skt6pt 10mm
MM-611	Mm Skt6pt 11mm
MM-612	Mm Skt6pt 12mm
MM-613	Mm Skt6pt 13mm
MM-614	Mm Skt6pt 14mm
MWS-27	Hex Key Set 11-Pcs
MWS-30	RatBxWR Set 5-Pc
MWS-31	OE Wr Set 10-Pc
MWS-47	Hex Key Set 7-Pcs
O-471	Adj Pin Spner 3/4 To 2
O-472	Adj Pin Spner 1-1/4 To 3
OES-0607	Dbl Oe WR 3/16x7/32Sh
OES-0809	Dbl Oe WR 1/4x9/32Sht
OES-1011	Dbl Oe WR 5/16x11/32S
OES-1214	Dbl Oe WR 3/8x7/16Sht
OES-1618	Dbl Oe WR 1/2x9/16Sht
P-10	Pinpch 7 StSz 1/2
P-13	Sldpch 4-1/2 StSz 5/16
P-14	Sldpch 4-1/2 StSz 5/16
P-15	Sldpch 5 StSz 3/8
P-16	Sldpch 5 StSz 3/8
P-17	Sldpch 6 StSz 1/2
P-25	LgTprPch 8-1/2 StSz 1/2
P-26	LgTprPch 9 StSz 1/2
P-28	LgTprPch 11 StSz 5/8
P-3	Pinpch 4-3/4 StSz 5/16
P-30	Prickpch 5 StSz 3/8
P-4	Pinpch 5 StSz 5/16
P-40	Centerpch 5 StSz 3/8
P-42	Centerpch 6 StSz 1/2
P-5	Pinpch 5-1/4 StSz 5/16
P-6	Pinpch 5-1/2 StSz 5/16
P-8	Pinpch 7 StSz 3/8
PL-1515	Lck Rg Pls8
PL1519C	Superjoint Pls 5
PL-1600C	Snap Rg Pls & Tips Set
PL-533	Fixed Tip Ret Rg Pl-Ext
PL-534	Fixed Tip Ret Rg Pl-Ext
PLS-6A	General Service Pls Set
RB-1214	Rat Chr 6pt 3/8x7/16
RB-1618	Rat Chr 6pt 1/2x9/16
RB-2022	Rat Chr 12pt 5/8x11/16
RB-2428	Rat Chr 12pt 3/4x7/8
RB-810	Rat Chr 6pt 1/4x5/16
S-102P	1/2Dr Ext2
S-10A	1/2Dr Speeder 13-5/8
S-110P	1/2Dr Ext5
S-115P	1/2Dr Ext10
S-121P	1/2Dr Ext20
S-140A	1/2DrU-Joint
S-15A	1/2Dr Speeder 18-1/16
S-20A	1/2Dr Sliding T Hdle
S-40AA	1/2Dr FlHdl 10-7/16
S-41AA	1/2Dr FlHdl 15-1/2
S-52EHA	1/2Dr Encl Hd Rat 10-3/8
S-52EHLA	1/2Dr Encl Hd Rat 15
S-60D	1/2Dr Stud Remover
S-70	1/2Dr Ratchet Spinner
SA-10A	HexBtSkt 5/16
SA-10A-3P	1/2Dr Ph Skt 3-Pt
SA-10A-3S	1/2Dr SlBitSkt 23/64x061
SA-10LA	Lg HexBtSkt 5/16
SA-12A	HexBtSkt 3/8
SA-12A-4P	1/2Dr Ph Skt 4-Pt
SA-12A-4S	1/2Dr SlBitSkt27/64x075
SA-12LA	Lg HexBtSkt 3/8
SA-16A	HexBtSkt 1/2
SA-16LA	Lg HexBtSkt 1/2
SA-18A	HexBtSkt 9/16
SA-18LA	Lg HexBtSkt 9/16
SA-20A	HexBtSkt 5/8
SA-20LA	Lg HexBtSkt 5/8
SA-8A	HexBtSkt 1/4
SA-8LA	Lg HexBtSkt 1/4
SB-30	1/2DrDragLnk Skt 1-1/2
SB-40	1/2DrDragLnk Skt 1-9/16
SB-40AA	1/2Dr FlHdl 10-13/16 Blk
SH-130	1/2Dr ADp 1/2 Fx3/4 M
SDR-22	Screwdrr Round 3"
SDR-24	Screwdrr Round 4"
SDR-26	Screwdrr Round 6"
SDR-28	Screwdrr Round 8"
SDS-33	Screwdrr Slotted Sq Sh 12-3/8
SDS-62	Screwdrr Stubby Sltd 1-1/2 X 1/4"
ST-1212	1/2Dr Std12ptSkt 3/8
ST-1214	1/2Dr Std12ptSkt 7/16
ST-1216	1/2Dr Std12ptSkt 1/2
ST-1218	1/2Dr Std12ptSkt 9/16
ST-1219	1/2Dr Std12ptSkt 19/32
ST-1220	1/2Dr Std12ptSkt 5/8
ST-1221	1/2Dr Std12ptSkt 21/32
ST-1222	1/2Dr Std12ptSkt 11/16
ST-1224	1/2Dr Std12ptSkt 3/4
ST-1225	1/2Dr Std12ptSkt 25/32
ST-1226	1/2Dr Std12ptSkt 13/16
ST-1228	1/2Dr Std12ptSkt 7/8
ST-1230	1/2Dr Std12ptSkt 15/16
ST-1231	1/2Dr Std12ptSkt 31/32
ST-1232	1/2Dr Std12ptSkt 1
ST-1234	1/2Dr Std12ptSkt 1 1/16
ST-1236	1/2Dr Std12ptSkt 1 1/8
ST-1238	1/2Dr Std12ptSkt 1 3/16
ST-1240	1/2Dr Std12ptSkt 1 1/4
ST-1242	1/2Dr Std12ptSkt 1 5/16
ST-1244	1/2Dr Std12ptSkt 1 3/8
ST-1246	1/2Dr Std12ptSkt 1 7/16
ST-1248	1/2Dr Std12ptSkt 1 1/2
ST-812	1/2Dr Std8ptSkt 3/8
ST-814	1/2Dr Std8ptSkt 7/16
ST-816	1/2Dr Std8ptSkt 1/2
ST-818	1/2Dr Std8ptSkt 9/16
ST-820	1/2Dr Std8ptSkt 5/8
ST-822	1/2Dr Std8ptSkt 11/16
ST-824	1/2Dr Std8ptSkt 3/4
ST-826	1/2Dr Std8ptSkt 13/16
ST-828	1/2Dr Std8ptSkt 7/8
ST-830	1/2Dr Std8ptSkt 15/16
ST-832	1/2Dr Std8ptSkt 1
ST-834	1/2Dr Std8ptSkt 1 1/16
ST-836	1/2Dr Std8ptSkt 1 1/8
ST-840	1/2Dr Std8ptSkt 1 1/4
ST-840	1/2Dr Std8ptSkt 1 1/4
STM-1210	1/2Dr Skt12pt 10mm
STM-1211	1/2Dr Skt12pt 11mm
STM-1212	1/2Dr Skt12pt 12mm
STM-1213	1/2Dr Skt12pt 13mm
STM-1214	1/2Dr Skt12pt 14mm
STM-1215	1/2Dr Skt12pt 15mm
STM-1216	1/2Dr Skt12pt 16mm
STM-1217	1/2Dr Skt12pt 17mm
STM-1218	1/2Dr Skt12pt 18mm
STM-1219	1/2Dr Skt12pt 19mm
STM-1220	1/2Dr Skt12pt 20mm
STM-1221	1/2Dr Skt12pt 21mm
STM-1222	1/2Dr Skt12pt 22mm
STM-1223	1/2Dr Skt12pt 23mm
STM-1224	1/2Dr Skt12pt 24mm
STM-1225	1/2Dr Skt12pt 25mm
STM-1226	1/2Dr Skt12pt 26mm
STM-1227	1/2Dr Skt12pt 27mm
STM-1228	1/2Dr Skt12pt 28mm
STM-1229	1/2Dr Skt12pt 29mm
STM-1230	1/2Dr Skt12pt 30mm
STM-1232	1/2Dr Skt12pt 32mm
STM-1234	1/2Dr Skt12pt 34mm
STM-1236	1/2Dr Skt12pt 36mm
W55RC11	53 Roll Cabinet
W55TC10	53 Top Chest
WRS-1	Rat Scrr
WRST1	T Hdle Rat Scdr Stby
WS-44	Hex Key Set 13-Pcs
WS-45	Hex Key Set 8-Pcs
WS-7707	BxWR Set 7-Pc
WTC-11	Wire Twister/Ctr 8-1/2

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Contents: Mega Set Fractional WSC-960SAE

Refer to Master Sets Section Pages 22 & 23 for Photo and Description

Product Code	Description
1002MFRMH	3/8Dr Cl Trq Wr 100 F-Lb
10111	Hex Key Set Sh 11-Pc
1020	OE Wr 1/4x5/16
10213	Hex Key Set Lg 13-Pc
1037	OE Wr 1-1/16x1-1/4
1033C	OE Wr 15/16x1
1037B	OE Wr1-1/8x1-3/16
10600	DblHd FL WR 3/8x7/16
10602	DblHd FL WR 1/2x9/16
10604	DblHd FL WR 5/8x11/16
10606	DblHd FL WR 3/4x7/8
1112A	Min OE WRChrSat 3/16
1113A	Min OE WRChrSat 13/64
1114A	Min OE WRChrSat 7/32
1115A	Min OE WRChrSat 15/64
1116A	Min OE WRChrSat 1/4
1118A	Min OE WRChrSat 9/32
1120A	Min OE WRChrSat 5/16
1122A	Min OE WRChrSat 11/32
1124A	Min OE WRChrSat 3/8
1128A	Min OE WRChrSat 7/16
1132A	Min OE WRChrSat 1/2
1136A	Min OE WRChrSat 9/16
11312	Stby Comb WRes 3/8
11314	Stby Comb WRes 7/16
11316	Stby Comb WRes 1/2
11318	Stby Comb WRes 9/16
11320	Stby Comb WRes 5/8
11322	Stby Comb WRes 11/16
11324	Stby Comb WRes 3/4
1140A	Min OE WRChrSat 5/8
11900	Fl Hd Comb WR 3/8
11901	Fl Hd Comb WR 7/16
11902	Fl Hd Comb WR 1/2
11903	Fl Hd Comb WR 9/16
11904	Fl Hd Comb WR 5/8
11905	Fl Hd Comb WR 11/16
11906	Fl Hd Comb WR 3/4
11920	Fl Hd SQDr 3/8x1/2
11952	Ofs Comb WR 3/8
11953	Ofs Comb WR 7/16
11954	Ofs Comb WR 1/2
11955	Ofs Comb WR 9/16
11956	Ofs Comb WR 5/8
11957	Ofs Comb WR 11/16
11958	Ofs Comb WR 3/4
11959	Ofs Comb WR 13/16
11960	Ofs Comb WR 7/8
1206MRC	6mm Rat Comb Wr
1208RC	1/4 Rat Comb Wr
1210RC	Rev Rat Comb WR 5/16
1210SC	WRChrSat12pt 5/16
1212RC	Rev Rat Comb WR 3/8
1212SC	WRChrSat12pt 3/8
1214RC	Rev Rat Comb WR 7/16
1214SC	WRChrSat12pt 7/16
1216RC	Rev Rat Comb WR 1/2
1216SC	WRChrSat12pt 1/2
1218RC	Rev Rat Comb WR 9/16
1218SC	WRChrSat12pt 9/16
1220RC	Rev Rat Comb WR 5/8
1220SC	WRChrSat12pt 5/8
1222RC	Rev Rat Comb WR 11/16
1222SC	WRChrSat12pt 11/16
1224RC	Rev Rat Comb WR 3/4
1224SC	WRChrSat12pt 3/4
1226SC	WRChrSat12pt 13/16
1228SC	WRChrSat12pt 7/8
1230SC	WRChrSat12pt 15/16
1232SC	WRChrSat12pt 1
1234SC	WRChrSat12pt 1-1/16
1236SC	WRChrSat12pt 1-1/8
1240SC	WRChrSat12pt 1-1/4
12601	Dbl Fl Hd WR 3/8x7/16
12603	Dbl Fl Hd WR 1/2x9/16
12605	Dbl Fl Hd WR 5/8x11/16
12607	Dbl Fl Hd WR 3/4x7/8
12-610	3/8Dr DpImSkt6pt 5/16
12-612	3/8Dr DpImSkt6pt 3/8
12-614	3/8Dr DpImSkt6pt 7/16
12-616	3/8Dr DpImSkt6pt 1/2
12-618	3/8Dr DpImSkt6pt 9/16
12-620	3/8Dr DpImSkt6pt 5/8
12-622	3/8Dr DpImSkt6pt 11/16
12-624	3/8Dr DpImSkt6pt 3/4
12-626	3/8Dr DpImSkt6pt 13/16
12-628	3/8Dr DpImSkt6pt 7/8
12-630	3/8Dr DpImSkt6pt 15/16
12-632	3/8Dr DpImSkt6pt 1
13406A	Chr Adj WRes 6
13408A	Chr Adj WRes 8
13410A	Chr Adj WRes 10
13412A	Chr Adj WRes 12
13418A	18 Chr Adj Wr Pol Hd
13518	Cast Iron Pipe WR 8
13522	Cast Iron Pipe WR 12
13526	Cast Iron Pipe WR 18
13625A	15 Const Adj WR
14-612	1/2Dr DpImSkt6pt 3/8
14-614	1/2Dr DpImSkt6pt 7/16
14-616	1/2Dr DpImSkt6pt 1/2
14-618	1/2Dr DpImSkt6pt 9/16
14-620	1/2Dr DpImSkt6pt 5/8
14-622	1/2Dr DpImSkt6pt11/16
14-626	1/2Dr DpImSkt6pt13/16
23404	5-1/2" Diagonal Cutters
PL-57C	Diagonal Cut Hi Leverage
23409	6-1/4" Bent Nose
PL-95C	Chain Nose Pliers 5-1/2"
PL-77C	Chain Nose PL XL Nose 7-1/2"
222D	Alligator Pliers - 6"
223D	Alligator Pliers - 7-1/2"
224D	Alligator Pliers - 9-1/2"
24201	Cab Scr 1/8x4
14-646	1/2Dr DpImSkt6pt 1-7/16
14-648	1/2Dr DpImSkt6pt 1-1/2
1723	OE Wr 3/8x7/16
1725	OE Wr 7/16x1/2
1727	OE Wr 9/16x5/8
1725B	OE Wr 1/2x9/16
1729B	OE Wr 11/16x3/4
1731B	OE Wr 13/16x7/8
1-100-04-3-2	4 Hd SM File w/PlHdl
1-100-08-1-2	8 Hd BST File w/Hdle
1-100-08-2-2	8 Hd 2ND File w/Hdle
1-111-04-3-2	4 WRD SM File w/PlHdl
1-160-04-3-2	4 SQ SM File w/PlHdl
1-160-08-1-2	8 SQ BST File w/Hdle
1-170-04-3-2	4 3 SQ SM File w/PlHdl
1-210-04-3-2	4 1/2RD SM File w/PlHdl
1-210-08-1-2	8 1/2RD BST File w/Hdle
1-230-04-3-2	4 RD SM File w/PlHdl
1-230-08-1-2	8 RD BST File w/Hdle
20401	20oz FG Crv Claw Hmr
20544	16oz Bl PN FG Hdle Hmr
20545	24oz Bl PN FG Hdle Hmr
20651	48oz CrPN FG LgHdl Hmr
20678	32ozDrilling FG Hdle Hmr
208	Mini Hksw Alum Hdle 10
21661	2pc PryBar BmdHdl
23092	2pc Ret Rg Pls Set
23101	6-1/4 Sl Jt Pl
23103	9-3/4 Sl Jt Pl
23107	15-3/4 Gr Jt Pl 9 Pos
2628G-180	Sd-Cut Comb Pls -8
23201	CrvJaw w/Ctr LckPl 5
23202	CrvJaw w/Ctr LckPl 7
23203	CrvJaw w/Ctr LckPl 10
23301	CrvJaw wire Ctr LckPl 5
23302	CrvJaw wire Ctr LckPl 7
23305	Str Jaw LckPl 10
23310	Lg Ns wire Ctr LckPls 9
23320	Lck C-Cl LckPl 6
23503	FrEnd Strip-Cut/Crimper
23506	Heavy Duty Stripper/Ctr
23535	Cg Super Stripper 20-30
23541	Elec Mini-Ctr 5-1/2
23542	Elec Mini-Stripper 5-1/2
23543	Elec Mini-Crimper 5-1/2
23602	8 Lnms BmdHdl
23603	9 Lnms Dipped Hdles
23604	5-1/2 Diag Cut BmdHdl
23607	8 Diag Cut BmdHdl
23609	6-1/4 Bent Nose BmdHdl
23610	5-1/2 Lg Ns BmdHdl
23612	8 Lg Ns BmdHdl
23702	Alligator Pl 6
23704	Alligator Pl 7 1/2
23706	Alligator Pl 9 1/2
24201A	Cab Scr 1/8x4
24205A	Sl Scr 3/16x4
24207A	Cab Scr 3/16x3
24211A	Cab Scr 3/16x6
24213A	Cab Scr 3/16x10
24217A	Sl Scr 1/4x1 1/2
24219A	Sl Scr 1/4x4
24237A	Sl Scr 5/16x6
24239A	5/16x8 Rd Sl Bmd Hdle
24241A	Sl Scr 3/8x8
24243A	3/8x12 Rd Sl Bmd Hdle
24249A	Ph Scr # 1x3
24251A	Ph Scr # 2x1 1/2
24253A	Ph Scr # 2x4
24259A	#3x6 Ph Bmd Hdle
24263A	Torx Scr T10x4
24265A	Torx Scr T15x4
24267A	Torx Scr T20x4
24269A	Torx Scr T25x4
24271A	Torx Scr T27x4
24273A	Torx Scr T30x4
24401	3/16 Csh Gr Ntdrv
24403	1/4 Csh Gr Ntdrv
24405	5/16 Csh Gr Ntdrv
24407	11/32 Csh Gr Ntdrv
2503MFRMH	1/2Dr Cl Trq Wr 250 F-Lb
PL-209X	Lnms'S Pl Comf Gr 9 -1/2
28201	Av Snips Left
28203	Av Snips Right
28205	Av Snips Str
2-02B	3/8Dr Imp Ext 3
2-103A	3/8Dr Imp Ext 3
2-106A	3/8Dr Imp Ext 6
2-140B	3/8Dr Imp Uni Joint
2-4A	3/8Dr Imp ADptr3/8Fx1/2M
2-608	3/8Dr ImSkt6pt 1/4
2-610	3/8Dr ImSkt6pt 5/16
2-612	3/8Dr ImSkt6pt 3/8
2-614	3/8Dr ImSkt6pt 7/16
2-616	3/8Dr ImSkt6pt 1/2
2-618	3/8Dr ImSkt6pt 9/16
2-620	3/8Dr ImSkt6pt 5/8
2-622	3/8Dr ImSkt6pt 11/1
2-624	3/8Dr ImSkt6pt 3/4
2-626	3/8Dr ImSkt6pt 13/1
2-628	3/8Dr ImSkt6pt 7/8
2-630	3/8Dr ImSkt6pt 15/1
2-632	3/8Dr ImSkt6pt 1
4-6	1/2Dr Imp ADpr1/2 Fx3/4
300-14-F15/16-HP	TlBx Saw Pl14 15TPI
31008	3/8 Fx1/4 M Adapter
31009	3/8 Fx1/2 M Adapter
31301	3/8Dr SpkPl Skt 5/8
31303	3/8Dr SpkPl Skt 13/16
32008	1/2 Fx3/8 M Adapter
32412	1/2Dr Skt 3/8
32414	1/2Dr Skt 7/16
32416	1/2Dr Skt 1/2
32418	1/2Dr Skt 9/16
32420	1/2Dr Skt 5/8
32422	1/2Dr Skt 11/16
32424	1/2Dr Skt 3/4
32426	1/2Dr Skt 13/16
32428	1/2Dr Skt 7/8
32430	1/2Dr Skt 15/16
32432	1/2Dr Skt 1
32434	1/2Dr Skt 1 1/16
32436	1/2Dr Skt 1 1/8
32438	1/2Dr Skt 1 3/16
32440	1/2Dr Skt 1 1/4
32448	1/2Dr Skt 1 1/2
325	Prof Hksw Hdle 12
33008	3/4F*1/2MAdapter
35040	1/4Dr ScrBt Skt Sl 5/32
35041	1/4Dr ScrBt Skt Sl 7/32
35042	1/4Dr ScrBt Skt Sl 9/32
35050	1/4Dr ScrBt Skt Ph # 0
35051	1/4Dr ScrBt Skt Ph # 1
35052	1/4Dr ScrBt Skt Ph # 2
35080	1/4Dr Torx Bit Skt T10
35081	1/4Dr Torx Bit Skt T15
35082	1/4Dr Torx Bit Skt T20
35083	1/4Dr Torx Bit Skt T25
35084	1/4Dr Torx Bit Skt T27
35085	1/4Dr Torx Bit Skt T30
35182	3/8Dr Torx Bit Skt T25
35183	3/8Dr Torx Bit Skt T27
35184	3/8Dr Torx Bit Skt T30
35185	3/8Dr Torx Bit Skt T40
35186	3/8Dr Torx Bit Skt T45
35187	3/8Dr Torx Bit Skt T47
35188	3/8Dr Torx Bit Skt T50
3816-300	Tung Carbide Hksw Bl 12
38216	3/4Dr Hex ImSkt 1/2
38218	3/4Dr Hex ImSkt 9/16
38220	3/4Dr Hex ImSkt 5/8
38224	3/4Dr Hex ImSkt 3/4
38226	3/4Dr Hex ImSkt 13/16
38228	3/4Dr Hex ImSkt 7/8
38232	3/4Dr Hex ImSkt 1
38238	3/4Dr Hex ImSkt 1 1/8
38240	3/4Dr Hex ImSkt 1 1/4
3840-100-10-SC-1P	BiRecipBL 4 10TPI
3840-100-18-SC-1P	BiRecipBL 4 18TPI
3840-100-24-ST-1P	BiRecipBL 4 24TPI U-Thg
3840-100-6-ST-1P	BiRecipBL 4 6TPI U-Thg
3840-150-10-ST-1P	BiRecipBL 6 10TPI U-Thg
3840-150-14-ST-1P	BiRecipBL 6 14TPI U-Thg
3840-150-18-ST-1P	BiRecipBL 6 18TPI U-Thg
3840-150-24-ST-1P	BiRecipBL 6 24TPI U-Thg
3840-150-5/8-SL-1P	BiRecipBL 6 5/8TPI
3840-150-7-SL-1P	BiRecipBL 6 7TPI
396-LAP	Fldg Saw Bmd 8 7TPI
40000	1/4x6 GsktScpr BmdHdl
40052	QckBl AutoUtKnife5pk 025
40058	Fldg Ut Knife
40072	QckBl DispBulk 100pk 025
40150	Tel Pick-Up Tl BmdHdl
40201	4pc MiniPick/Hook BmdHdl
40221	12 Strap WR
40251	4pc Ut Tl Set BmdHdl
42302	Std Seat Creeper
43605	Tube Ctr 1-1/8
43618	Pl Hose Ctr
4559-24	Bolt Ctr Cmf Grs 24
471	Adj Hk Spner 3/4 To 2
472	Adj Hk Spner 1-1/4 To 3
474	Adj Hk Spner 2 To 4-3/4
4-102	1/2Dr Imp Ext 3-1/2
4-105A	1/2Dr Imp Ext 5
4-110A	1/2Dr Imp Ext10
4-140B	1/2Dr Imp U-Joint
4-2F	1/2Dr Imp ADpr1/2 Fx3/8
4-6	1/2Dr Imp ADpr1/2 Fx3/4
4-612	1/2Dr ImSkt6pt 3/8
4-614	1/2Dr ImSkt6pt7/16
4-616	1/2Dr ImSkt6pt1/2
4-618	1/2Dr ImSkt6pt9/16
4-620	1/2Dr ImSkt6pt5/8
4-622	1/2Dr ImSkt6pt11/16
4-624	1/2Dr ImSkt6pt3/4
4-626	1/2Dr ImSkt6pt13/16
4-628	1/2Dr ImSkt6pt7/8
4-630	1/2Dr ImSkt6pt15/16
4-632	1/2Dr ImSkt6pt1
4-634	1/2Dr ImSkt6pt1-1/16
4-636	1/2Dr ImSkt6pt1-1/8
4-638	1/2Dr ImSkt6pt1-3/16
4-640	1/2Dr ImSkt6pt1-1/4
4-642	1/2Dr ImSkt6pt1-5/16
4-644	1/2Dr ImSkt6pt1-3/8
4-646	1/2Dr ImSkt6pt1-7/16
4-648	1/2Dr ImSkt6pt1-1/2
625	Scrp1 TripleW/Hlstr
625-DROP	Drop-Shape Bl625 Scrp
625-PEAR	Pear-Shape Bl625 Scrp
625-RD	RD Bl625 Scrp
665	Scrp2-1/2 Dble Bl
8223	Adj Joint Pls 8
8225	Adj Joint Pls 12
HSB-2.6A	Brass Hammer, 2-1/2 Lb
87079	10 Ton Manmaster Gear Set
9031RUS	Blkx-Wide Adj WR 8
9070RPUS	Blk Adj/Pipe WR 6
9072RPUS	Blk Adj/Pipe WR 10
9-12-51/3806-KP	Bws w/Bws & Hack Bl
9-467-00-0-0	File Cleaner
B-101	3/8Dr Ext 1 1/2
B-108	3/8Dr Ext 3
B-110	3/8Dr Ext 6
B-115	3/8Dr Ext 11
B-118	3/8Dr Ext 18
B-1208	Skt12pt 1/4
B-1210	Skt12pt 5/16
B-1212	Skt12pt 3/8
B-1214	Skt12pt 7/16
B-1216	Skt12pt 1/2
B-1218	Skt12pt 9/16
B-1220	Skt12pt 5/8
B-1222	Skt12pt 11/16
B-1224	Skt12pt 3/4
B-1226	Skt12pt 13/16
B-1228	Skt12pt 7/8
B-1230	Skt12pt 15/16
B-1232	Skt12pt 1
B-140A	3/8Dr U-Joint
B-15	3/8Dr Speeder
B-20A	3/8Dr Sliding T Hdle
B-40A	3/8Dr FlHdl
B-52EHA	3/8Dr Encl Hd Rat 8
B-52EHLA	3/8Dr Encl Hd Rat 10-3/4
B-70	Chr Ratchet Spinner
BA-10A	Sh HexBtSkt 5/16
BA-10A-3P	3/8Dr Ph Skt 3-Pt
BA-10A-3S	3/8Dr SlSkt 9/32x045
BA-10A-4S	3/8Dr SlSkt 5/16x055
BA-10HBA	Bl HexBtSkt 5/16
BA-10LA	Lg HexBtSkt 5/16

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Contents: Mega Set Fractional WSC-960SAE (con't)

Product Code	Description
BA-12A	Sh HexBtSkt 3/8
BA-12A-4P	3/8Dr Ph Skt 4-Pt
BA-12HBA	Bl HexBtSkt 3/8
BA-12LA	Lg HexBtSkt 3/8
BA-4A	Sh HexBtSkt 1/8
BA-4HBA	Bl HexBtSkt 1/8
BA-4LA	Lg HexBtSkt 1/8
BA-5A	Sh HexBtSkt 5/32
BA-5A-1S	3/8Dr SlSkt 3/16x032
BA-5HBA	Bl HexBtSkt 5/32
BA-5LA	Lg HexBtSkt 5/32
BA-6A	Sh HexBtSkt 3/16
BA-6HBA	Bl HexBtSkt 3/16
BA-6LA	Lg HexBtSkt 3/16
BA-7A	Sh HexBtSkt 7/32
BA-7A-1P	3/8Dr Ph Skt 1-Pt
BA-7A-2P	3/8Dr Ph Skt 2-Pt
BA-7A-2S	3/8Dr SlSkt 7/32x040
BA-7HBA	Bl HexBtSkt 7/32
BA-7LA	Lg HexBtSkt 7/32
BA-8A	Sh HexBtSkt 1/4
BA-8HBA	Bl HexBtSkt 1/4
BA-8LA	Lg HexBtSkt 1/4
BD-1208	Dp Skt12pt 1/4
BD-1210	Dp Skt12pt 5/16
BD-1212	Dp Skt12pt 3/8
BD-1214	Dp Skt12pt 7/16
BD-1216	Dp Skt12pt 1/2
BD-1218	Dp Skt12pt 9/16
BD-1220	Dp Skt12pt 5/8
BD-1222	Dp Skt12pt 11/16
BD-1224	Dp Skt12pt 3/4
BD-1226	Dp Skt12pt 13/16
BD-1228	Dp Skt12pt 7/8
BD-1230	Dp Skt12pt 15/16
BD-1232	Dp Skt12pt 1
BD-808	3/8Dr Skt 8-Pt 1/4
BD-810	3/8Dr Skt 8-Pt 5/16
BD-812	3/8Dr Skt 8-Pt 3/8
BD-814	3/8Dr Skt 8-Pt 7/16
BD-816	3/8Dr Skt 8-Pt 1/2
BD-818	3/8Dr Skt 8-Pt 9/16
BD-820	3/8Dr Skt 8-Pt 5/8
BFE-8	3/8Dr Flible Ext 8
BHMD-30	3/8Dr Hd ImpDrr
BS-05B	3/8Dr ADpr1/2 Fx3/8 M Blk
BS-12B	3/8Dr ADpr1/2 Fx3/8 M Blk
BU-1212	U-Skt12pt 3/8
BU-1214	U-Skt12pt 7/16
BU-1216	U-Skt12pt 1/2
BU-1218	U-Skt12pt 9/16
BU-1220	U-Skt12pt 5/8
BU-1222	U-Skt12pt 11/16
BU-1224	U-Skt12pt 3/4
BWM-0810	DblHd 10°Ofs BxWR 8x10
BWM-1113	DblHd 10°Ofs BxWR 11x013
BWM-1214	DblHd 10°Ofs BxWR 12x14
BWM-1415	DblHd 10°Ofs BxWR 14x15
BWM-1618	DblHd 10°Ofs BxWR 16x18
BWM-1719	DblHd 10°Ofs BxWR 17x19
BWM-1922	DblHd 10°Ofs BxWR 19x22
BWM-2124	DblHd 10°Ofs BxWR 21x24
BWM-2730	DblHd 10°Ofs BxWR 27x30
BWM-3032	DblHd 10°Ofs BxWR 30x32
C-10	Cd Chs 5 StSz 5/16
C-12	Cd Chs 5-1/4 StSz 5/16
C-16	Cd Chs 6 StSz 3/8
C-20	Cd Chs 6-1/2 StSz 1/2
C-24	Cd Chs 7 StSz 5/8
C-28	Cd Chs 7-1/2 StSz 3/8
C-32	Cd Chs 8 StSz 7/8
C-36	Cd Chs 8 StSz 7/8
C-715	RlBr 1/2 StSz 15-1/8
C-718	RlBr 5/8 StSz 18
C-8	Cd Chs 4-3/4 StSz 1/4
C-80A	Pch Bar 3/4 StSz 24
C-82A	Pch Bar 3/4 StSz 18
CC-404C	C-Cl Cpr Scr 4
CC-406C	C-Cl Cpr Scr 6
CW-4	Chain Wr
Ex-21A	ExtrDrill Sz 1/8
Ex-21B	ExtrDrill Sz 3/16
Ex-22A	ExtrDrill Sz 7/32
Ex-24A	ExtrDrill Sz 5/16
Ex-25A	ExtrDrill Sz 15/32
Ex-25B	ExtrDrill Sz 3/8
Ex-26A	ExtrDrill Sz 9/16
Ex-28	ExtrDrill Sz 21/32
Ex-29	ExtrDrill Sz 13/16
GS-1	Master Feeler Gauge Set
GSC-12	GsktScpr-8-3/4x1 1/2
H-104	3/4Dr Ext 3
H-110	3/4Dr Ext 8
H-115	3/4Dr Ext 16
H-1224	3/4Dr Skt12pt 3/4
H-1226	3/4Dr Skt12pt 13/16
H-1228	3/4Dr Skt12pt 7/8
H-1230	3/4Dr Skt12pt 15/16
H-1232	3/4Dr Skt12pt 1
H-1234	3/4Dr Skt12pt 1-1/16
H-1236	3/4Dr Skt12pt 1-1/8
H-1238	3/4Dr Skt12pt 1-3/16
H-1240	3/4Dr Skt12pt 1-1/4
H-1242	3/4Dr Skt12pt 1-5/16
H-1244	3/4Dr Skt12pt 1-3/8
H-1246	3/4Dr Skt12pt 1-7/16
H-1248	3/4Dr Skt12pt 1-1/2
H-1250	3/4Dr Skt12pt 1-9/16
H-1252	3/4Dr Skt12pt 1-5/8
H-1254	3/4Dr Skt12pt 1-11/16
H-1256	3/4Dr Skt12pt 1-3/4
H-1258	3/4Dr Skt12pt 1-13/16
H-1260	3/4Dr Skt12pt 1-7/8
H-1264	3/4Dr Skt12pt 2
H-1266	3/4Dr Skt12pt 2-1/16
H-1268	3/4Dr Skt12pt 2-1/8
H-1270	3/4Dr Skt12pt 2-3/16
H-1272	3/4Dr Skt12pt 2-1/4
H-1274	3/4Dr Skt12pt 2-5/16
H-1276	3/4Dr Skt12pt 2-3/8
H-140A	3/4Dr U-Joint
H-20A	3/4Dr Sliding T Hdle
H-41AA	3/4Dr FlHdl Chr22-1/8
H-51AB1	3/4Dr Ratchet 24-11/16
HNX-130	3/4Dr ADp 3/4 Fx1 M
HNX-131	3/4Dr ADp 3/4 Mx1 F
HSB-2.6A	Brass Hammer, 2-1/2 Lb
HSB-3.8A	Brass Hmr 4 Lb
HSF-155A	Hmr Body 1-1/4 Lb 1-1/2
HSF-15N	Hmr Tip Med Hard 1-1/2
HSF-15S	Hmr Tip Soft 1-1/2
HSF-15xH	Hmr Tip Extra Hard1-1/2
JHW-16	Deadblow Hmr16oz
JHW-32	Deadblow Hmr32oz
M-102	1/4DrExt2
M-104	1/4DrExt4
M-106A	1/4DrSpinner Hdle
M-110	1/4DrExt 10
M-115	1/4DrExt6
M-140A	1/4DrU-Joint
M-15A	1/4DrSpeeder
30008	1/4DrSliding T Hdle
M-42A	1/4DrFlHdl
M-52EHA	1/4Dr Encl Hd Ratchet 5
M-605	Skt6pt 5/32
M-606	Skt6pt 3/16
M-607	Skt6pt 7/32
M-608	Skt6pt 1/4
M-609	Skt6pt 9/32
M-610	Skt6pt 5/16
M-611	Skt6pt 11/32
M-612	Skt6pt 3/8
M-614	Skt6pt 7/16
M-616	Skt6pt 1/2
M-618	Skt6pt 9/16
M-808	1/4Dr Skt 8-Pt 1/4
M-810	1/4Dr Skt 8-Pt 5/16
M-812	1/4Dr Skt 8-Pt 3/8
MA-10A	1/4Dr HexBtSkt 5/16
MA-2-1/2A	1/4Dr HexBtSkt 5/64
MA-2A	1/4Dr HexBtSkt 1/16
MA-3-1/2A	1/4Dr HexBtSkt 7/64
MA-3A	1/4Dr HexBtSkt 3/32
MA-4.5SA	1/4Dr 9/64x-S HexBtSkt
MA-4-1/2A	1/4Dr HexBtSkt 9/64
MA-4A	1/4Dr HexBtSkt 1/8
MA-4SA	1/4Dr 1/8x-Sh HexBtSkt
MA-5A	1/4Dr HexBtSkt 5/32
MA-5SA	1/4Dr 5/32x-S HexBtSkt
MA-6A	1/4Dr HexBtSkt 3/16
MA-6SA	1/4Dr 3/16x-Sh HexBtSkt
MA-7A	1/4Dr HexBtSkt 7/32
MA-8A	1/4Dr HexBtSkt 1/4
MFE-6	1/4Dr Flible Ext 6
MWS-27	Hex Key Set 11-Pcs
MWS-30	RatBxWR Set 5-Pc
MWS-31	OE Wr Set 10-Pc
MWS-47	Hex Key Set 7-Pcs
O-471	Adj Pin Spner 3/4 To 2
O-472	Adj Pin Spner 1-1/4 To 3
OES-0607	Dbl Oe WR 3/16x7/32Sh
OES-0809	Dbl Oe WR 1/4x9/32Sht
OES-1011	Dbl Oe WR 5/16x11/32S
OES-1214	Dbl Oe WR 3/8x7/16Sht
OES-1618	Dbl Oe WR 1/2x9/16Sht
P-10	Pinpch 7 StSz 1/2
P-13	Sldpch 4-1/2 StSz 5/16
P-14	Sldpch 4-1/2 StSz 5/16
P-15	Sldpch 5 StSz 3/8
P-16	Sldpch 5 StSz 3/8
P-17	Sldpch 6 StSz 1/2
P-25	LgTprPch 8-1/2 StSz 1/2
P-26	LgTprPch 9 StSz 1/2
P-28	LgTprPch 11 StSz 5/8
P-3	Pinpch 4-3/4 StSz 5/16
P-30	Prickpch 5 StSz 3/8
P-4	Pinpch 5 StSz 5/16
P-40	Centerpch 5 StSz 3/8
P-42	Centerpch 6 StSz 1/2
P-5	Pinpch 5-1/4 StSz 5/16
P-6	Pinpch 5-1/2 StSz 5/16
P-8	Pinpch 7 StSz 3/8
PL1519C	Superjoint Pls 5
PL-1515	Lck Rg Pls8
PL-1600C	Snap Rg Pls & Tips Set
PL-533	Fixed Tip Ret Rg Pl-Ext
PL-534	Fixed Tip Ret Rg Pl-Ext
PLS-6A	General Service Pls Set
RB-1214	Rat Chr 6pt 3/8x7/16
RB-1618	Rat Chr 6pt 1/2x9/16
RB-2022	Rat Chr 12pt 5/8x11/16
RB-2428	Rat Chr 12pt 3/4x7/8
RB-810	Rat Chr 6pt 1/4x5/16
S-102P	1/2Dr Ext2
S-10A	1/2Dr Speeder 13-5/8
S-110P	1/2Dr Ext5
S-115P	1/2Dr Ext10
S-121P	1/2Dr Ext20
S-140A	1/2DrU-Joint
S-15A	1/2Dr Speeder 18-1/16
S-20A	1/2Dr Sliding T Hdle
S-40AA	1/2Dr FlHdl 10-7/16
S-41AA	1/2Dr FlHdl 15-1/2
S-52EHA	1/2Dr Encl Hd Rat 10-3/8
S-52EHLA	1/2Dr Encl Hd Rat 15
S-60D	1/2Dr Stud Remover
S-70	1/2Dr Ratchet Spinner
SA-10A	HexBtSkt 5/16
SA-10A-3P	1/2Dr Ph Skt 3-Pt
SA-10A-3S	1/2Dr SlBitSkt 23/64x061
SA-10LA	Lg HexBtSkt 5/16
SA-12A	HexBtSkt 3/8
SA-12A-4P	1/2Dr Ph Skt 4-Pt
SA-12A-4S	1/2Dr SlBitSkt27/64x075
SA-12LA	Lg HexBtSkt 3/8
SA-16A	HexBtSkt 1/2
SA-16LA	Lg HexBtSkt 1/2
SA-18A	HexBtSkt 9/16
SA-18LA	Lg HexBtSkt 9/16
SA-20A	HexBtSkt 5/8
SA-20LA	Lg HexBtSkt 5/8
SA-8A	HexBtSkt 1/4
SA-8LA	Lg HexBtSkt 1/4
SB-30	1/2DrDragLnk Skt 1-1/2
SB-40	1/2DrDragLnk Skt 1-9/16
SB-40AA	1/2Dr FlHdl 10-13/16 Blk
SH-130	1/2Dr ADp 1/2 Fx3/4 M
SDR-22	Screwdrr Round 3"
SDR-24	Screwdrr Round 4"
SDR-26	Screwdrr Round 6"
SDR-28	Screwdrr Round 8"
SDS-33	Screwdrr Slotted Sq Sh 12-3/8
SDS-62	Screwdrr Stubby Sltd 1-1/2 X 1/4"
ST-1212	1/2Dr Std12ptSkt 3/8
ST-1214	1/2Dr Std12ptSkt 7/16
ST-1216	1/2Dr Std12ptSkt 1/2
ST-1218	1/2Dr Std12ptSkt 9/16
ST-1219	1/2Dr Std12ptSkt 19/32
ST-1220	1/2Dr Std12ptSkt 5/8
ST-1221	1/2Dr Std12ptSkt 21/32
ST-1222	1/2Dr Std12ptSkt 11/16
ST-1224	1/2Dr Std12ptSkt 3/4
ST-1225	1/2Dr Std12ptSkt 25/32
ST-1226	1/2Dr Std12ptSkt 13/16
ST-1228	1/2Dr Std12ptSkt 7/8
ST-1230	1/2Dr Std12ptSkt 15/16
ST-1231	1/2Dr Std12ptSkt 31/32
ST-1232	1/2Dr Std12ptSkt 1
ST-1234	1/2Dr Std12ptSkt 1 1/16
ST-1236	1/2Dr Std12ptSkt 1 1/8
ST-1238	1/2Dr Std12ptSkt 1 3/16
ST-1240	1/2Dr Std12ptSkt 1 1/4
ST-1242	1/2Dr Std12ptSkt 1 5/16
ST-1244	1/2Dr Std12ptSkt 1 3/8
ST-1246	1/2Dr Std12ptSkt 1 7/16
ST-1248	1/2Dr Std12ptSkt 1 1/2
ST-812	1/2Dr Std8ptSkt 3/8
ST-814	1/2Dr Std8ptSkt 7/16
ST-816	1/2Dr Std8ptSkt 1/2
ST-818	1/2Dr Std8ptSkt 9/16
ST-820	1/2Dr Std8ptSkt 5/8
ST-822	1/2Dr Std8ptSkt 11/16
ST-824	1/2Dr Std8ptSkt 3/4
ST-826	1/2Dr Std8ptSkt 13/16
ST-828	1/2Dr Std8ptSkt 7/8
ST-830	1/2Dr Std8ptSkt 15/16
ST-832	1/2Dr Std8ptSkt 1
ST-834	1/2Dr Std8ptSkt 1 1/16
ST-836	1/2Dr Std8ptSkt 1 1/8
ST-840	1/2Dr Std8ptSkt 1 1/4
ST-840	1/2Dr Std8ptSkt 1 1/4
WRS-1	Rat Scrr
WRST1	T Hdle Rat Scdr Stby
WS-44	Hex Key Set 13-Pcs
WS-45	Hex Key Set 8-Pcs
WS-7707	BxWR Set 7-Pc
WTC-11	Wire Twister/Ctr 8-1/2

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Mega Set Metric WSC-960MM

Refer to Master Sets Section Pages 22 & 23 for Photo and Description

Product Code	Description
1002MFRMH	3/8Dr Cl Trq Wr 100 F-Lb
10111	Hex Key Set Sh 11-Pc
10213	Hex Key Set Lg 13-Pc
10650	FL NUT WR 9x11 mm
10652	FL NUT WR 10x12 mm
10654	FL NUT WR 13x14 mm
10656	FL NUT WR 15x17 mm
10658	FL NUT WR 19x21 mm
11710	Stby Comb WRe Set 10 mm
11712	Stby Comb WRe Set 12 mm
11713	Stby Comb WRe Set 13 mm
11714	Stby Comb WRe Set 14 mm
11715	Stby Comb WRe Set 15 mm
11717	Stby Comb WRe Set 17 mm
11718	Stby Comb WRe Set 18 mm
1206MRC	6mm Rat Comb Wr
1207MSC	WRChrSat12pt 7mm
1208MRC	Rev Rat Comb WR 8 mm
1208MSC	WRChrSat12pt 8mm
1208RC	1/4 Rat Comb Wr
1209MRC	Rev Rat Comb WR 9 mm
1209MSC	WRChrSat12pt 9mm
1210MRC	Rev Rat Comb WR 10 mm
1210MSC	WRChrSat12pt 10mm
1211MRC	Rev Rat Comb WR 11 mm
1211MSC	WRChrSat12pt 11mm
1212MRC	Rev Rat Comb WR 12 mm
1212MSC	WRChrSat12pt 12mm
1213MRC	Rev Rat Comb WR 13 mm
1213MSC	WRChrSat12pt 13mm
1214MRC	Rev Rat Comb WR 14 mm
1214MSC	WRChrSat12pt 14mm
1215MRC	Rev Rat Comb WR 15 mm
1215MSC	WRChrSat12pt 15mm
1216MRC	Rev Rat Comb WR 16 mm
1217MRC	Rev Rat Comb WR 17 mm
1217MSC	WRChrSat12pt 17mm
1218MRC	Rev Rat Comb WR 18 mm
1218MSC	WRChrSat12pt 18 mm
1219MRC	Rev Rat Comb WR 19 mm
1219MSC	WRChrSat12pt 19 mm
1221MSC	WRChrSat12pt 21 mm
1222MSC	WRChrSat12pt 22 mm
1224MSC	WRChrSat12pt 24 mm
1227MSC	WRChrSat12pt 27 mm
1230MSC	WRChrSat12pt 30 mm
1232MSC	WRChrSat12pt 32 mm
1234MSC	WRChrSat12pt 34 mm
1236MSC	WRChrSat12pt 36 mm
12M-607	3/8Dr DpImSkt6pt 7mm
12M-608	3/8Dr DpImSkt6pt 8mm
12M-609	3/8Dr DpImSkt6pt 9mm
12M-610	3/8Dr DpImSkt6pt 10M
12M-611	3/8Dr DpImSkt6pt 11M
12M-612	3/8Dr DpImSkt6pt 12M
12M-613	3/8Dr DpImSkt6pt 13M
12M-614	3/8Dr DpImSkt6pt 14M
12M-615	3/8Dr DpImSkt6pt 15M
12M-616	3/8Dr DpImSkt6pt 16M
12M-617	3/8Dr DpImSkt6pt 17M
12M-618	3/8Dr DpImSkt6pt 18M
12M-619	3/8Dr DpImSkt6pt 19M
12M-620	3/8Dr DpImSkt6pt 20M
12M-621	3/8Dr DpImSkt6pt 21M
12M-622	3/8Dr DpImSkt6pt 22M
12M-623	3/8Dr DpImSkt6pt 23M
12M-624	3/8Dr DpImSkt6pt 24M
1-100-04-3-2	4 Hd SM File w/PlHdl
1-100-08-1-2	8 Hd BST File w/Hdle
1-100-08-2-2	8 Hd 2ND File w/Hdle
1-111-04-3-2	4 WRD SM File w/PlHdl
1-160-04-3-2	4 SQ SM File w/PlHdl
1-160-08-1-2	8 SQ BST File w/Hdle
1-170-04-3-2	4 3 SQ SM File w/PlHdl
1-210-04-3-2	4 1/2RD SM File w/PlHdl
1-210-08-1-2	8 1/2RD BST File w/Hdle
1-230-04-3-2	4 RD SM File w/PlHdl
1-230-08-1-2	8 RD BST File w/Hdle
20401	20oz FG Crv Claw Hmr
20544	16oz Bl PN FG Hdle Hmr
20545	24oz Bl PN FG Hdle Hmr
20651	48oz CrPN FG LgHdl Hmr
20678	32ozDrilling FG Hdle Hmr
208	Mini Hksw Alum Hdle 10
21661	2pc PryBar BmdHdl
23092	2pc Ret Rg Pls Set
23101	6-1/4 Sl Jt Pl
23103	9-3/4 Sl Jt Pl
23107	15-3/4 Gr Jt Pl 9 Pos
2628G-180	Sd-Cut Comb Pls -8
23201	CrvJaw w/Ctr LckPl 5
23202	CrvJaw w/Ctr LckPl 7
23203	CrvJaw w/Ctr LckPl 10
23301	CrvJaw wire Ctr LckPl 5
23302	CrvJaw wire Ctr LckPl 7
23305	Str Jaw LckPl 10
23310	Lg Ns wire Ctr LckPls 9
23320	Lck C-Cl LckPl 6
23503	FrEnd Strip-Cut/Crimper
23506	Heavy Duty Stripper/Ctr
23535	Cg Super Stripper 20-30
23541	Elec Mini-Ctr 5-1/2
23542	Elec Mini-Stripper 5-1/2
23543	Elec Mini-Crimper 5-1/2
PL-205C	8 Lnms BmdHdl
23603	9 Lnms Dipped Hdles
23404	5-1/2 Diag Cut BmdHdl
PL-57C	8 Diag Cut BmdHdl
23409	6-1/4 Bent Nose BmdHdl
PL-95C	5-1/2 Lg Ns BmdHdl
PL-77C	8 Lg Ns BmdHdl
222D	Alligator Pl 6
223D	Alligator Pl 7 1/2
224D	Alligator Pl 9 1/2
24201A	Cab Scr 1/8x4
24205A	Sl Scr 3/16x4
24207A	Cab Scr 3/16x3
24211A	Cab Scr 3/16x6
24213A	Cab Scr 3/16x10
24217A	Sl Scr 1/4x1 1/2
24219A	Sl Scr 1/4x4
24237A	Sl Scr 5/16x6
24239A	5/16x8 Rd Sl Bmd Hdle
24241A	Sl Scr 3/8x8
24243A	3/8x12 Rd Sl Bmd Hdle
24249A	Ph Scr # 1x3
24251A	Ph Scr # 2x1 1/2
24253A	Ph Scr # 2x4
24259A	#3x6 Ph Bmd Hdle
24263A	Torx Scr T10x4
24265A	Torx Scr T15x4
24267A	Torx Scr T20x4
24269A	Torx Scr T25x4
24271A	Torx Scr T27x4
24273A	Torx Scr T30x4
24401	3/16 Csh Gr Ntdrv
24403	1/4 Csh Gr Ntdrv
24405	5/16 Csh Gr Ntdrv
24407	11/32 Csh Gr Ntdrv
2503MFRMH	1/2Dr Cl Trq Wr 250 F-Lb
PL-209X	Lnms'S Pl Comf Gr 9 -1/2
28201	Av Snips Left
28203	Av Snips Right
28205	Av Snips Str
2-02B	3/8Dr Imp Ext 3
2-103A	3/8Dr Imp Ext 3
2-106A	3/8Dr Imp Ext 6
2-140B	3/8Dr Imp Uni Joint
2-4A	3/8Dr Imp ADptr3/8Fx1/2M
2M-607	Std ImSkt6pt 7 mm
2M-608	Std ImSkt6pt 8 mm
2M-609	Std ImSkt6pt 9 mm
2M-610	Std ImSkt6pt 10 mm
2M-611	Std ImSkt6pt 11 mm
2M-612	Std ImSkt6pt 12 mm
2M-613	Std ImSkt6pt 13 mm
2M-614	Std ImSkt6pt 14 mm
2M-615	Std ImSkt6pt 15 mm
2M-616	Std ImSkt6pt 16 mm
2M-617	Std ImSkt6pt 17 mm
2M-618	Std ImSkt6pt 18 mm
2M-619	Std ImSkt6pt 19 mm
30009	1/4 Fx3/8 M Adapter
300-14-F15/16-HP	TIBx Saw Pl14 15TPI
31008	3/8 Fx1/4 M Adapter
31009	3/8 Fx1/2 M Adapter
325	Prof Hksw Hdle 12
35040	1/4Dr ScrBt Skt Sl 5/32
35041	1/4Dr ScrBt Skt Sl 7/32
35042	1/4Dr ScrBt Skt Sl 9/32
35050	1/4Dr ScrBt Skt Ph # 0
35051	1/4Dr ScrBt Skt Ph # 1
35052	1/4Dr ScrBt Skt Ph # 2
35080	1/4Dr Torx Bit Skt T10
35081	1/4Dr Torx Bit Skt T15
35082	1/4Dr Torx Bit Skt T20
35083	1/4Dr Torx Bit Skt T25
35084	1/4Dr Torx Bit Skt T27
35085	1/4Dr Torx Bit Skt T30
35182	3/8Dr Torx Bit Skt T25
35183	3/8Dr Torx Bit Skt T27
35184	3/8Dr Torx Bit Skt T30
35185	3/8Dr Torx Bit Skt T40
35186	3/8Dr Torx Bit Skt T45
35187	3/8Dr Torx Bit Skt T47
35188	3/8Dr Torx Bit Skt T50
3816-300	Tung Carbide Hksw Bl 12
3840-100-10-SC-1P	BiRecipBL 4 10TPI
3840-100-18-SC-1P	BiRecipBL 4 18TPI
3840-100-24-ST-1P	BiRecipBL 4 24TPI U-Thg
3840-100-6-ST-1P	BiRecipBL 4 6TPI U-Thg
3840-150-10-ST-1P	BiRecipBL 6 10TPI U-Thg
3840-150-14-ST-1P	BiRecipBL 6 14TPI U-Thg
3840-150-18-ST-1P	BiRecipBL 6 18TPI U-Thg
3840-150-24-ST-1P	BiRecipBL 6 24TPI U-Thg
3840-150-5/8-SL-1P	BiRecipBL 6 5/8TPI
3840-150-7-SL-1P	BiRecipBL 6 7TPI
396-LAP	Fldg Saw Bmd 8 7TPI
40000	1/4x6 GsktScpr BmdHdl
40052	QckBl AutoUtKnife5pk 025
40058	Fldg Ut Knife
40072	QckBl DispBulk 100pk 025
40150	Tel Pick-Up Tl BmdHdl
40201	4pc MiniPick/Hook BmdHdl
40221	12 Strap WR
40251	4pc Ut Tl Set BmdHdl
42302	Std Seat Creeper
43605	Tube Ctr 1-1/8
43618	Pl Hose Ctr
4559-24	Bolt Ctr Cmf Grs 24
471	Adj Hk Spner 3/4 To 2
472	Adj Hk Spner 1-1/4 To 3
474	Adj Hk Spner 2 To 4-3/4
4-102	1/2Dr Imp Ext 3-1/2
4-105A	1/2Dr Imp Ext 5
4-110A	1/2Dr Imp Ext 10
4-140B	1/2Dr Imp U-Joint
4-2F	1/2Dr Imp ADpr1/2 Fx3/8
4-6	1/2Dr Imp ADpr1/2 Fx3/4
4M-610	1/2Dr ImSkt6pt 10mm
4M-611	1/2Dr ImSkt6pt 11mm
4M-612	1/2Dr ImSkt6pt 12mm
4M-613	1/2Dr ImSkt6pt 13mm
4M-614	1/2Dr ImSkt6pt 14mm
4M-615	1/2Dr ImSkt6pt 15mm
4M-616	1/2Dr ImSkt6pt 16mm
4M-617	1/2Dr ImSkt6pt 17mm
4M-618	1/2Dr ImSkt6pt 18mm
4M-619	1/2Dr ImSkt6pt 19mm
4M-620	1/2Dr ImSkt6pt 20mm
4M-621	1/2Dr ImSkt6pt 21mm
4M-622	1/2Dr ImSkt6pt 22mm
4M-623	1/2Dr ImSkt6pt 23mm
4M-624	1/2Dr ImSkt6pt 24mm
4M-625	1/2Dr ImSkt6pt 25mm
4M-626	1/2Dr ImSkt6pt 26mm
4M-627	1/2Dr ImSkt6pt 27mm
4M-629	1/2Dr ImSkt6pt 29mm
4M-630	1/2Dr ImSkt6pt 30mm
4M-632	1/2Dr ImSkt6pt 32M
4M-634	1/2Dr ImSkt6pt 34mm
4M-636	1/2Dr ImSkt6pt 36mm
625	Scrp1 TripleW/Hlstr
625-DROP	Drop-Shape Bl 625 Scrp
625-PEAR	Pear-Shape Bl 625 Scrp
625-RD	RD Bl 625 Scrp
665	Scrp2-1/2 Dble Bl
8223	Adj Joint Pls 8
8225	Adj Joint Pls 12
860114	Bi Hksw Bl 12 18TPI
87079	10 Ton Manmaster Gear Set
9031RUS	Blkx-Wide Adj WR 8
9070RPUS	Blk Adj/Pipe WR 6
9072RPUS	Blk Adj/Pipe WR 10
9-12-51/3806-KP	Bws w/Bws & Hack Bl
9-467-00-0-0	File Cleaner
B-101	3/8Dr Ext 1 1/2
B-108	3/8Dr Ext 3
B-110	3/8Dr Ext 6
B-115	3/8Dr Ext 11
B-118	3/8Dr Ext 18
B-140A	3/8Dr U-Joint
B-15	3/8Dr Speeder
B-20A	3/8Dr Sliding T Hdle
B-40A	3/8Dr FlHdl
B-52EHA	3/8Dr Encl Hd Rat 8
B-52EHLA	3/8Dr Encl Hd Rat 10-3/4
B-70	Chr Ratchet Spinner
BFE-8	3/8Dr Flible Ext 8
BHMD-30	3/8Dr Hd ImpDrr
BM-1206	6 mm 3/8Dr Std12pt Skt
BM-1207	7 mm 3/8Dr Std12pt Skt
BM-1208	8 mm 3/8Dr Std12pt Skt
BM-1209	9 mm 3/8Dr Std12pt Skt
BM-1210	10 mm 3/8Dr Std12pt Skt
BM-1210	10 mm 3/8Dr Std12pt Skt
BM-1211	11 mm 3/8Dr Std12pt Skt
BM-1212	12 mm 3/8Dr Std12pt Skt
BM-1213	13 mm 3/8Dr Std12pt Skt
BM-1214	14 mm 3/8Dr Std12pt Skt
BM-1215	15 mm 3/8Dr Std12pt Skt
BM-1216	16 mm 3/8Dr Std12pt Skt
BM-1217	17 mm 3/8Dr Std12pt Skt
BM-1218	18 mm 3/8Dr Std12pt Skt
BM-1219	19 mm 3/8Dr Std12pt Skt
BM-1220	20 mm 3/8Dr Std12pt Skt
BM-1221	21 mm 3/8Dr Std12pt Skt
BM-1222	22 mm 3/8Dr Std12pt Skt
BM-1223	23 mm 3/8Dr Std12pt Skt
BM-1224	24 mm 3/8Dr Std12pt Skt
BM-1226	26 mm 3/8Dr Std12pt Skt
BS-05B	3/8Dr ADpr1/2 Fx3/8 M Blk
BS-12B	3/8Dr ADpr1/2 Fx3/8 M Blk
BWM-0810	DblHd 10°Ofs BxWR 8x10
BWM-1113	DblHd 10°Ofs BxWR 11x013
BWM-1214	DblHd 10°Ofs BxWR 12x14
BWM-1415	DblHd 10°Ofs BxWR 14x15
BWM-1618	DblHd 10°Ofs BxWR 16x18
BWM-1719	DblHd 10°Ofs BxWR 17x19
BWM-1922	DblHd 10°Ofs BxWR 19x22
BWM-2124	DblHd 10°Ofs BxWR 21x24
BWM-2730	DblHd 10°Ofs BxWR 27x30
BWM-3032	DblHd 10°Ofs BxWR 30x32
C-10	Cd Chs 5 StSz 5/16
C-12	Cd Chs 5-1/4 StSz 5/16
C-16	Cd Chs 6 StSz 3/8
C-20	Cd Chs 6-1/2 StSz 1/2
C-24	Cd Chs 7 StSz 5/8
C-28	Cd Chs 7-1/2 StSz 3/8
C-32	Cd Chs 8 StSz 7/8
C-36	Cd Chs 8 StSz 7/8
C-715	RlBr 1/2 StSz 15-1/8
C-718	RlBr 5/8 StSz 18
C-8	Cd Chs 4-3/4 StSz 1/4
C-80A	Pch Bar 3/4 StSz 24
C-82A	Pch Bar 3/4 StSz 18
CC-404C	C-Cl Cpr Scr 4
CC-406C	C-Cl Cpr Scr 6
CW-4	Chain Wr
GS-1	Master Feeler Gauge Set
GSC-12	GsktScpr-8-3/4x1 1/2
H-104	3/4Dr Ext 3
H-110	3/4Dr Ext 8
H-115	3/4Dr Ext 16
H-140A	3/4Dr U-Joint
H-20A	3/4Dr Sliding T Hdle
H-41AA	3/4Dr FlHdl Chr22-1/8
H-51AB1	3/4Dr Ratchet 24-11/16
HNX-130	3/4Dr ADp 3/4 Fx1 M
HNX-131	3/4Dr ADp 3/4 Mx1 F
HSB-2.6A	Brass Hmr 2-1/2 Lb
HSB-3.8A	Brass Hmr 4 Lb
HSF-155A	Hmr Body 1-1/4 Lb 1-1/2
HSF-15N	Hmr Tip Med Hard 1-1/2
HSF-15S	Hmr Tip Soft 1-1/2
HSF-15xH	Hmr Tip Extra Hard1-1/2
JHW-16	Deadblow Hmr 16oz
JHW-32	Deadblow Hmr 32oz
M-102	1/4Dr Ext 2
M-104	1/4Dr Ext 4
M-106A	1/4Dr Spinner Hdle
M-110	1/4Dr Ext 10
M-115	1/4Dr Ext 6
M-140A	1/4Dr U-Joint
M-15A	1/4Dr Speeder
30008	1/4Dr Sliding T Hdle
M-42A	1/4Dr FlHdl
M-52EHA	1/4Dr Encl Hd Ratchet 5
MFE-6	1/4Dr Flible Ext 6
MM-604	Mm Skt6pt 4mm
MM-605	Mm Skt6pt 5mm
MM-6055	Mm Skt6pt 55mm
MM-606	Mm Skt6pt 6mm
MM-607	Mm Skt6pt 7mm
MM-608	Mm Skt6pt 8mm
MM-609	Mm Skt6pt 9mm

Contents: Mega Set Metric WSC-960MM (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
MM-610	Mm Skt6pt 10mm	P-30	Prickpch 5 StSz 3/8	S-40AA	1/2Dr FlHdl 10-7/16	STM-1215	1/2Dr Skt12pt 15mm
MM-611	Mm Skt6pt 11mm	P-4	Pinpch 5 StSz 5/16	S-41AA	1/2Dr FlHdl 15-1/2	STM-1216	1/2Dr Skt12pt 16mm
MM-612	Mm Skt6pt 12mm	P-40	Centerpch 5 StSz 3/8	S-52EHA	1/2Dr Encl Hd Rat 10-3/8	STM-1217	1/2Dr Skt12pt 17mm
MM-613	Mm Skt6pt 13mm	P-42	Centerpch 6 StSz 1/2	S-52EHLA	1/2Dr Encl Hd Rat 15	STM-1218	1/2Dr Skt12pt 18mm
MM-614	Mm Skt6pt 14mm	P-5	Pinpch 5-1/4 StSz 5/16	S-60D	1/2Dr Stud Remover	STM-1219	1/2Dr Skt12pt 19mm
MWS-27	Hex Key Set 11-Pcs	P-6	Pinpch 5-1/2 StSz 5/16	S-70	1/2Dr Ratchet Spinner	STM-1220	1/2Dr Skt12pt 20mm
MWS-30	RatBxWR Set 5-Pc	P-8	Pinpch 7 StSz 3/8	SB-30	1/2DrDragLnk Skt 1-1/2	STM-1221	1/2Dr Skt12pt 21mm
MWS-31	OE Wr Set 10-Pc	PL1519C	Superjoint Pls 5	SB-40	1/2DrDragLnk Skt 1-9/16	STM-1222	1/2Dr Skt12pt 22mm
MWS-47	Hex Key Set 7-Pcs	PL-1515	Lck Rg Pls 8	SB-40AA	1/2Dr FlHdl 10-13/16 Blk	STM-1223	1/2Dr Skt12pt 23mm
O-471	Adj Pin Spner 3/4 To 2	PL-1600C	Snap Rg Pls & Tips Set	SH-130	1/2Dr ADp 1/2 Fx3/4 M	STM-1224	1/2Dr Skt12pt 24mm
O-472	Adj Pin Spner 1-1/4 To 3	PL-533	Fixed Tip Ret Rg Pl-Ext	SDR-22	SQ Shank Scr Sl 3	STM-1225	1/2Dr Skt12pt 25mm
P-10	Pinpch 7 StSz 1/2	PL-534	Fixed Tip Ret Rg Pl-Ext	SDR-24	SQ Shank Scr Sl 4	STM-1226	1/2Dr Skt12pt 26mm
P-13	Sldpch 4-1/2 StSz 5/16	PLS-6A	General Service Pls Set	SDR-26	SQ Shank Scr Sl 6	STM-1227	1/2Dr Skt12pt 27mm
P-14	Sldpch 4-1/2 StSz 5/16	S-102P	1/2Dr Ext 2	SDR-28	SQ Shank Scr Sl 8	STM-1228	1/2Dr Skt12pt 28mm
P-15	Sldpch 5 StSz 3/8	S-10A	1/2Dr Speeder 13-5/8	SDS-33	SQ Shank Scr Sl 12	STM-1229	1/2Dr Skt12pt 29mm
P-16	Sldpch 5 StSz 3/8	S-110P	1/2Dr Ext 5	SDS-62	SQ Shank Scr Sl Stby	STM-1230	1/2Dr Skt12pt 30mm
P-17	Sldpch 6 StSz 1/2	S-115P	1/2Dr Ext 10	STM-1210	1/2Dr Skt12pt 10mm	STM-1232	1/2Dr Skt12pt 32mm
P-25	LgTprPch 8-1/2 StSz 1/2	S-121P	1/2Dr Ext 20	STM-1211	1/2Dr Skt12pt 11mm	STM-1234	1/2Dr Skt12pt 34mm
P-26	LgTprPch 9 StSz 1/2	S-140A	1/2Dr U-Joint	STM-1212	1/2Dr Skt12pt 12mm	STM-1236	1/2Dr Skt12pt 36mm
P-28	LgTprPch 11 StSz 5/8	S-15A	1/2Dr Speeder 18-1/16	STM-1213	1/2Dr Skt12pt 13mm	WRS-1	Rat Scrr
P-3	Pinpch 4-3/4 StSz 5/16	S-20A	1/2Dr Sliding T Hdle	STM-1214	1/2Dr Skt12pt 14mm	WRST1	T Hdle Rat Scdr Stby

Contents: Maxxum Set WSC-680TB

Refer to Master Sets Section Pages 24 & 25 for Photo and Description

Note: WSC-960 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1002MFRMH	3/8Dr Cl Trq Wr 100 F-Lb	1208RC	1/4 Rat Comb Wr	1234SC	WRChrSat12pt 1-1/16	1-160-04-3-2	4 SQ SM File w/PlHdl
10111	Hex Key Set Sh 11-Pc	1208MRC	Rev Rat Comb WR 8 mm	1236SC	WRChrSat12pt 1-1/8	1-170-04-3-2	4 3 SQ SM File w/PlHdl
10213	Hex Key Set Lg 13-Pc	1209MRC	Rev Rat Comb WR 9 mm	1240SC	WRChrSat12pt 1-1/4	1-100-08-1-2	8 Hd BST File w/Hdle
1020	OE Wr 1/4x5/16	1210MSC	WRChrSat12pt 10mm	12-610	3/8Dr DpImSkt6pt 5/16	1-100-08-2-2	8 Hd 2ND File w/Hdle
1033C	OE Wr 15/16x1	1211MSC	WRChrSat12pt 11mm	12-612	3/8Dr DpImSkt6pt 3/8	1-160-08-1-2	8 SQ BST File w/Hdle
1037B	OE Wr 1-1/8x1-3/16	1212MSC	WRChrSat12pt 12mm	12-614	3/8Dr DpImSkt6pt 7/16	1-210-04-3-2	4 1/2RD SM File w/PlHdl
1037	OE Wr 1-1/16x1-1/4	1213MSC	WRChrSat12pt 13mm	12-616	3/8Dr DpImSkt6pt 1/2	1-230-04-3-2	4 RD SM File w/PlHdl
10600	DblHd FL WR 3/8x7/16	1214MSC	WRChrSat12pt 14mm	12-618	3/8Dr DpImSkt6pt 9/16	1-210-08-1-2	8 1/2RD BST File w/Hdle
10602	DblHd FL WR 1/2x9/16	1215MSC	WRChrSat12pt 15mm	12-620	3/8Dr DpImSkt6pt 5/8	1-230-08-1-2	8 RD BST File w/Hdle
10604	DblHd FL WR 5/8x11/16	1217MSC	WRChrSat12pt 17mm	12-622	3/8Dr DpImSkt6pt 11/16	20401	20oz FG Crv Claw Hmr
10606	DblHd FL WR 3/4x7/8	1218MSC	WRChrSat12pt 18 mm	12-624	3/8Dr DpImSkt6pt 3/4	20544	16oz Bl PN FG Hdle Hmr
10650	FL NUT WR 9x11 mm	1219MSC	WRChrSat12pt 19 mm	12-626	3/8Dr DpImSkt6pt 13/16	20545	24oz Bl PN FG Hdle Hmr
10652	FL NUT WR 10x12 mm	1210SC	WRChrSat12pt 5/16	12-628	3/8Dr DpImSkt6pt 7/8	20651	48oz CrPN FG LgHdl Hmr
10654	FL NUT WR 13x14 mm	1212SC	WRChrSat12pt 3/8	12-630	3/8Dr DpImSkt6pt 15/16	20678	32ozDrilling FG Hdle Hmr
10656	FL NUT WR 15x17 mm	1214SC	WRChrSat12pt 7/16	12-632	3/8Dr DpImSkt6pt 1	21661	2pc PryBar BmdHdl
10658	FL NUT WR 19x21 mm	1216SC	WRChrSat12pt 1/2	13406A	Chr Adj WRes 6	23092	2pc Ret Rg Pls Set
1112A	Min OE WRChrSat 3/16	1218SC	WRChrSat12pt 9/16	13408A	Chr Adj WRes 8	23101	6-1/4 Sl Jt Pl
1113A	Min OE WRChrSat 13/64	1210MRC	Rev Rat Comb WR 10 mm	13410A	Chr Adj WRes 10	23103	9-3/4 Sl Jt Pl
1114A	Min OE WRChrSat 7/32	1211MRC	Rev Rat Comb WR 11 mm	13412A	Chr Adj WRes 12	23201	CrvJaw w/Ctr LckPl 5
1115A	Min OE WRChrSat 15/64	1212MRC	Rev Rat Comb WR 12 mm	13418A	18 Chr Adj Wr Pol Hd	23202	CrvJaw w/Ctr LckPl 7
1116A	Min OE WRChrSat 1/4	1213MRC	Rev Rat Comb WR 13 mm	13518	Cast Iron Pipe WR 8	23203	CrvJaw w/Ctr LckPl 10
1118A	Min OE WRChrSat 9/32	1214MRC	Rev Rat Comb WR 14 mm	13522	Cast Iron Pipe WR 12	23301	CrvJaw wire Ctr LckPl 5
1120A	Min OE WRChrSat 5/16	1215MRC	Rev Rat Comb WR 15 mm	13526	Cast Iron Pipe WR 18	23302	CrvJaw wire Ctr LckPl 7
1122A	Min OE WRChrSat 11/32	1216MRC	Rev Rat Comb WR 16 mm	14-612	1/2Dr DpImSkt6pt 3/8	23305	Str Jaw LckPl 10
1124A	Min OE WRChrSat 3/8	1217MRC	Rev Rat Comb WR 17 mm	14-614	1/2Dr DpImSkt6pt 7/16	23310	Lg Ns wire Ctr LckPls 9
1128A	Min OE WRChrSat 7/16	1218MRC	Rev Rat Comb WR 18 mm	14-616	1/2Dr DpImSkt6pt 1/2	23320	Lck C-Cl LckPl 6
1132A	Min OE WRChrSat 1/2	1219MRC	Rev Rat Comb WR 19 mm	14-618	1/2Dr DpImSkt6pt 9/16	23503	FrEnd Strip-Cut/Crimper
1136A	Min OE WRChrSat 9/16	1210RC	Rev Rat Comb WR 5/16	14-620	1/2Dr DpImSkt6pt 5/8	23506	Heavy Duty Stripper/Ctr
1140A	Min OE WRChrSat 5/8	1212RC	Rev Rat Comb WR 3/8	14-622	1/2Dr DpImSkt6pt11/16	23535	Cg Super Stripper 20-30
11920	Fl Hd SQDr 3/8x1/2	1214RC	Rev Rat Comb WR 7/16	14-624	1/2Dr DpImSkt6pt 3/4	23404	5-1/2 Diag Cut BmdHdl
11900	Fl Hd Comb WR 3/8	1216RC	Rev Rat Comb WR 1/2	14-626	1/2Dr DpImSkt6pt13/16	23407	8 Diag Cut BmdHdl
11901	Fl Hd Comb WR 7/16	1218RC	Rev Rat Comb WR 9/16	14-628	1/2Dr DpImSkt6pt 7/8	23409	6-1/4 Bent Nose BmdHdl
11902	Fl Hd Comb WR 1/2	1221MSC	WRChrSat12pt 21 mm	14-630	1/2Dr DpImSkt6pt15/16	PL-95C	5-1/2 Lg Ns BmdHdl
11903	Fl Hd Comb WR 9/16	1222MSC	WRChrSat12pt 22 mm	14-632	1/2Dr DpImSkt6pt 1	PL-77C	8 Lg Ns BmdHdl
11904	Fl Hd Comb WR 5/8	1224MSC	WRChrSat12pt 24 mm	14-634	1/2Dr DpImSkt6pt 1-1/16	222D	Alligator Pl 6
11905	Fl Hd Comb WR 11/16	1227MSC	WRChrSat12pt 27 mm	14-636	1/2Dr DpImSkt6pt 1-1/8	223D	Alligator Pl 7 1/2
11906	Fl Hd Comb WR 3/4	1220SC	WRChrSat12pt 5/8	14-638	1/2Dr DpImSkt6pt 1-3/16	224D	Alligator Pl 9 1/2
11952	Ofs Comb WR 3/8	1222SC	WRChrSat12pt 11/16	14-640	1/2Dr DpImSkt6pt 1-1/4	24201A	Cab Scr 1/8x4
11953	Ofs Comb WR 7/16	1224SC	WRChrSat12pt 3/4	14-642	1/2Dr DpImSkt6pt 1-5/16	24207A	Cab Scr 3/16x3
11954	Ofs Comb WR 1/2	1226SC	WRChrSat12pt 13/16	14-644	1/2Dr DpImSkt6pt 1-3/8	24211A	Cab Scr 3/16x6
11955	Ofs Comb WR 9/16	1228SC	WRChrSat12pt 7/8	14-646	1/2Dr DpImSkt6pt 1-7/16	24213A	Cab Scr 3/16x10
11956	Ofs Comb WR 5/8	1220RC	Rev Rat Comb WR 5/8	14-648	1/2Dr DpImSkt6pt 1-1/2	24205A	Sl Scr 3/16x4
11957	Ofs Comb WR 11/16	1222RC	Rev Rat Comb WR 11/16	1723	OE Wr 3/8x7/16	24217A	Sl Scr 1/4x1 1/2
11958	Ofs Comb WR 3/4	1224RC	Rev Rat Comb WR 3/4	1725	OE Wr 7/16x1/2	24219A	Sl Scr 1/4x4
11959	Ofs Comb WR 13/16	1230MSC	WRChrSat12pt 30 mm	1725B	OE Wr 1/2x9/16	24237A	Sl Scr 5/16x6
11960	Ofs Comb WR 7/8	1232MSC	WRChrSat12pt 32 mm	1727	OE Wr 9/16x5/8	24241A	Sl Scr 3/8x8
1207MSC	WRChrSat12pt 7mm	1234MSC	WRChrSat12pt 34 mm	1729B	OE Wr 11/16x3/4	24249A	Ph Scr # 1x3
1208MSC	WRChrSat12pt 8mm	1236MSC	WRChrSat12pt 36 mm	1731B	OE Wr 13/16x7/8	24251A	Ph Scr # 2x1 1/2
1209MSC	WRChrSat12pt 9mm	1230SC	WRChrSat12pt 15/16	1-100-04-3-2	4 Hd SM File w/PlHdl	24253A	Ph Scr # 2x4
1206MRC	6mm Rat Comb Wr	1232SC	WRChrSat12pt 1	1-111-04-3-2	4 WRD SM File w/PlHdl	24263A	Torx Scr T10x4

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Maxxum Set WSC-680TB (con't)

Product Code	Description
24265A	Torx Scr T15x4
24267A	Torx Scr T20x4
24269A	Torx Scr T25x4
24271A	Torx Scr T27x4
24273A	Torx Scr T30x4
24239A	5/16x8 Rd Sl Bmd Hdle
24243A	3/8x12 Rd Sl Bmd Hdle
24259A	#3x6 Ph Bmd Hdle
24401	3/16 Csh Gr Ntdrv
24403	1/4 Csh Gr Ntdrv
24405	5/16 Csh Gr Ntdrv
24407	11/32 Csh Gr Ntdrv
2503MFRMH	1/2Dr Cl Trq Wr 250 F-Lb
PL-209X	Lnms'S Pl Comf Gr 9 -1/2
28201	Av Snips Left
28203	Av Snips Right
28205	Av Snips Str
2-02B	3/8Dr Imp Ext 3
2-103A	3/8Dr Imp Ext 3
2-106A	3/8Dr Imp Ext 6
2-140B	3/8Dr Imp Uni Joint
2-4A	3/8Dr Imp ADptr3/8Fx1/2M
2-608	3/8Dr ImSkt6pt 1/4
2-610	3/8Dr ImSkt6pt 5/16
2-612	3/8Dr ImSkt6pt 3/8
2-614	3/8Dr ImSkt6pt 7/16
2-616	3/8Dr ImSkt6pt 1/2
2-618	3/8Dr ImSkt6pt 9/16
2-620	3/8Dr ImSkt6pt 5/8
2-622	3/8Dr ImSkt6pt 11/1
2-624	3/8Dr ImSkt6pt 3/4
2-626	3/8Dr ImSkt6pt 13/1
2-628	3/8Dr ImSkt6pt 7/8
2-630	3/8Dr ImSkt6pt 15/1
2-632	3/8Dr ImSkt6pt 1
2M-607	Std ImSkt6pt 7 mm
2M-608	Std ImSkt6pt 8 mm
2M-609	Std ImSkt6pt 9 mm
2M-610	Std ImSkt6pt 10 mm
2M-611	Std ImSkt6pt 11 mm
2M-612	Std ImSkt6pt 12 mm
2M-613	Std ImSkt6pt 13 mm
2M-614	Std ImSkt6pt 14 mm
2M-615	Std ImSkt6pt 15 mm
2M-616	Std ImSkt6pt 16 mm
2M-617	Std ImSkt6pt 17 mm
2M-618	Std ImSkt6pt 18 mm
2M-619	Std ImSkt6pt 19 mm
300-14-F15/16-HP	TlBx Saw Pl14 15TPI
30009	1/4 Fx3/8 M Adapter
31008	3/8 Fx1/4 M Adapter
31009	3/8 Fx1/2 M Adapter
31301	3/8Dr SpkPl Skt 5/8
31303	3/8Dr SpkPl Skt 13/16
32008	1/2 Fx3/8 M Adapter
32412	1/2Dr Skt 3/8
32414	1/2Dr Skt 7/16
32416	1/2Dr Skt 1/2
32418	1/2Dr Skt 9/16
32420	1/2Dr Skt 5/8
32422	1/2Dr Skt 11/16
32424	1/2Dr Skt 3/4
32426	1/2Dr Skt 13/16
32428	1/2Dr Skt 7/8
32430	1/2Dr Skt 15/16
32432	1/2Dr Skt 1
32434	1/2Dr Skt 1 1/16
32436	1/2Dr Skt 1 1/8
32438	1/2Dr Skt 1 3/16
32440	1/2Dr Skt 1 1/4
32448	1/2Dr Skt 1 1/2
325	Prof Hksw Hdle 12
33008	3/4F*1/2MAdapter
35182	3/8Dr Torx Bit Skt T25
35183	3/8Dr Torx Bit Skt T27
35184	3/8Dr Torx Bit Skt T30
35185	3/8Dr Torx Bit Skt T40
35186	3/8Dr Torx Bit Skt T45
35187	3/8Dr Torx Bit Skt T47
35188	3/8Dr Torx Bit Skt T50
396-LAP	Fldg Saw Bmd 8 7TPI
40000	1/4x6 GsktScpr BmdHdl
40052	QckBl AutoUtKnife5pk 025
40058	Fldg Ut Knife
40150	Tel Pick-Up Tl BmdHdl
40201	4pc MiniPick/Hook BmdHdl
40221	12 Strap WR
40251	4pc Ut Tl Set BmdHdl
42302	Std Seat Creeper
43605	Tube Ctr 1-1/8
43618	Pl Hose Ctr
4559-24	Bolt Ctr Cmf Grs 24
4-102	1/2Dr Imp Ext 3-1/2
4-105A	1/2Dr Imp Ext 5
4-110A	1/2Dr Imp Ext 10
4-140B	1/2Dr Imp U-Joint
4-2f	1/2Dr Imp ADpr1/2 Fx3/8
4-6	1/2Dr Imp ADpr1/2 Fx3/4
4-612	1/2Dr Imp Skt6pt 3/8
4-614	1/2Dr Imp Skt6pt 7/16
4-616	1/2Dr Imp Skt6pt 1/2
4-618	1/2Dr Imp Skt6pt 9/16
4-620	1/2Dr Imp Skt6pt 5/8
4-622	1/2Dr Imp Skt6pt 11/16
4-624	1/2Dr Imp Skt6pt 3/4
4-626	1/2Dr Imp Skt6pt 13/16
4-628	1/2Dr Imp Skt6pt 7/8
4-630	1/2Dr Imp Skt6pt 15/16
4-632	1/2Dr Imp Skt6pt 1
4-634	1/2Dr Imp Skt6pt 1-1/16
4-636	1/2Dr Imp Skt6pt 1-1/8
4-638	1/2Dr Imp Skt6pt 1-3/16
4-640	1/2Dr Imp Skt6pt 1-1/4
4-642	1/2Dr Imp Skt6pt 1-5/16
4-644	1/2Dr Imp Skt6pt 1-3/8
4-646	1/2Dr Imp Skt6pt 1-7/16
4-648	1/2Dr Imp Skt6pt 1-1/2
4M-610	1/2Dr ImSkt6pt 10mm
4M-611	1/2Dr ImSkt6pt 11mm
4M-612	1/2Dr ImSkt6pt 12mm
4M-613	1/2Dr ImSkt6pt 13mm
4M-614	1/2Dr ImSkt6pt 14mm
4M-615	1/2Dr ImSkt6pt 15mm
4M-616	1/2Dr ImSkt6pt 16mm
4M-617	1/2Dr ImSkt6pt 17mm
4M-618	1/2Dr ImSkt6pt 18mm
4M-619	1/2Dr ImSkt6pt 19mm
4M-620	1/2Dr ImSkt6pt 20mm
4M-621	1/2Dr ImSkt6pt 21mm
4M-622	1/2Dr ImSkt6pt 22mm
4M-623	1/2Dr ImSkt6pt 23mm
4M-624	1/2Dr ImSkt6pt 24mm
4M-625	1/2Dr ImSkt6pt 25mm
4M-626	1/2Dr ImSkt6pt 26mm
4M-627	1/2Dr ImSkt6pt 27mm
4M-629	1/2Dr ImSkt6pt 29mm
4M-630	1/2Dr ImSkt6pt 30mm
4M-632	1/2Dr ImSkt6pt 32M
4M-634	1/2Dr ImSkt6pt 34mm
4M-636	1/2Dr ImSkt6pt 36mm
50721	3Drw 34 Cart-Rb Red
7029B	BxWRChrSat12pt 11/16x3/4
7033C	BxWRChrSat12pt 15/16x1
7723	BxWRChrSat12pt 3/8x7/16
7725B	BxWRChrSat12pt 1/2x9/16
7727A	BxWRChrSat12pt 5/8x11/16
7731A	BxWRChrSat12pt 3/4x7/8
7731B	BxWRChrSat12pt 13/16x7/8
8223	Adj Joint Pls 8
8225	Adj Joint Pls 12
3906-300-18-10P	Bi Hksw Bl 12 18TPI
B-101	3/8Dr Ext 1 1/2
B-108	3/8Dr Ext 3
B-110	3/8Dr Ext 6
B-115	3/8Dr Ext 11
B-118	3/8Dr Ext 18
B-140A	3/8Dr U-Joint
B-15	3/8Dr Speeder
B-1208	Skt12pt 1/4
B-1210	Skt12pt 5/16
B-1212	Skt12pt 3/8
B-1214	Skt12pt 7/16
B-1216	Skt12pt 1/2
B-1218	Skt12pt 9/16
B-1220	Skt12pt 5/8
B-1222	Skt12pt 11/16
B-1224	Skt12pt 3/4
B-1226	Skt12pt 13/16
B-1228	Skt12pt 7/8
B-1230	Skt12pt 15/16
B-1232	Skt12pt 1
B-20A	3/8Dr Sliding T Hdle
B-40A	3/8Dr FlHdl
B-52EHA	3/8Dr Encl Hd Rat 8
B-52EHLA	3/8Dr Encl Hd Rat 10-3/4
B-70	Chr Ratchet Spinner
BA-4A	Sh HexBtSkt 1/8
BA-5A	Sh HexBtSkt 5/32
BA-6A	Sh HexBtSkt 3/16
BA-7A	Sh HexBtSkt 7/32
BA-8A	Sh HexBtSkt 1/4
BA-10A	Sh HexBtSkt 5/16
BA-12A	Sh HexBtSkt 3/8
BA-10A-3P	3/8Dr Ph Skt 3-Pt
BA-10A-3S	3/8Dr SlSkt 9/32x045
BA-10A-4S	3/8Dr SlSkt 5/16x055
BA-12A-4P	3/8Dr Ph Skt 4-Pt
BA-5A-1S	3/8Dr SlSkt 3/16x032
BA-7A-1P	3/8Dr Ph Skt 1-Pt
BA-7A-2P	3/8Dr Ph Skt 2-Pt
BA-7A-2S	3/8Dr SlSkt 7/32x040
BD-1208	Dp Skt12pt 1/4
BD-1210	Dp Skt12pt 5/16
BD-1212	Dp Skt12pt 3/8
BD-1214	Dp Skt12pt 7/16
BD-1216	Dp Skt12pt 1/2
BD-1218	Dp Skt12pt 9/16
BD-1220	Dp Skt12pt 5/8
BD-1222	Dp Skt12pt 11/16
BD-1224	Dp Skt12pt 3/4
BD-1226	Dp Skt12pt 13/16
BD-1228	Dp Skt12pt 7/8
BD-1230	Dp Skt12pt 15/16
BD-1232	Dp Skt12pt 1
BFE-8	3/8Dr Flible Ext 8
BHMD-30	3/8Dr Hd ImpDrr
BM-1206	6 mm 3/8Dr Std12pt Skt
BM-1207	7 mm 3/8Dr Std12pt Skt
BM-1208	8 mm 3/8Dr Std12pt Skt
BM-1209	9 mm 3/8Dr Std12pt Skt
BM-1210	10 mm 3/8Dr Std12pt Skt
BM-1210	10 mm 3/8Dr Std12pt Skt
BM-1211	11 mm 3/8Dr Std12pt Skt
BM-1212	12 mm 3/8Dr Std12pt Skt
BM-1213	13 mm 3/8Dr Std12pt Skt
BM-1214	14 mm 3/8Dr Std12pt Skt
BM-1215	15 mm 3/8Dr Std12pt Skt
BM-1216	16 mm 3/8Dr Std12pt Skt
BM-1217	17 mm 3/8Dr Std12pt Skt
BM-1218	18 mm 3/8Dr Std12pt Skt
BM-1219	19 mm 3/8Dr Std12pt Skt
BM-1220	20 mm 3/8Dr Std12pt Skt
BM-1221	21 mm 3/8Dr Std12pt Skt
BM-1222	22 mm 3/8Dr Std12pt Skt
BM-1223	23 mm 3/8Dr Std12pt Skt
BM-1224	24 mm 3/8Dr Std12pt Skt
BM-1226	26 mm 3/8Dr Std12pt Skt
C-10	Cd Chs 5 StSz 5/16
C-12	Cd Chs 5-1/4 StSz 5/16
C-16	Cd Chs 6 StSz 3/8
C-20	Cd Chs 6-1/2 StSz 1/2
C-24	Cd Chs 7 StSz 5/8
C-28	Cd Chs 7-1/2 StSz 3/8
C-32	Cd Chs 8 StSz 7/8
C-36	Cd Chs 8 StSz 7/8
C-8	Cd Chs 4-3/4 StSz 1/4
CC-404C	C-Cl Cpr Scr 4
CC-406C	C-Cl Cpr Scr 6
CW-4	Chain Wr
EX-21A	ExtrDrill Sz 1/8
EX-21B	ExtrDrill Sz 3/16
EX-22A	ExtrDrill Sz 7/32
EX-24A	ExtrDrill Sz 5/16
EX-25B	ExtrDrill Sz 3/8
EX-25A	ExtrDrill Sz 15/32
EX-26A	ExtrDrill Sz 9/16
EX-28	ExtrDrill Sz 21/32
EX-29	ExtrDrill Sz 13/16
GS-1	Master Feeler Gauge Set
GSC-12	GsktScpr-8-3/4x1 1/2
HSB-2.6A	Brass Hmr 2-1/2 Lb
HSF-155A	Hmr Body 1-1/4 Lb 1-1/2
HSF-15N	Hmr Tip Med Hard 1-1/2
HSF-15S	Hmr Tip Soft 1-1/2
HSF-15xH	Hmr Tip Extra Hard1-1/2
JHW-16	Deadblow Hmr 16oz
JHW-32	Deadblow Hmr 32oz
M-102	1/4Dr Ext 2
M-104	1/4Dr Ext 4
M-106A	1/4Dr Spinner Hdle
M-110	1/4Dr Ext 10
M-115	1/4Dr Ext 6
M-140A	1/4Dr U-Joint
M-15A	1/4Dr Speeder
30008	1/4Dr Sliding T Hdle
M-42A	1/4Dr FlHdl
M-52EHA	1/4Dr Encl Hd Ratchet 5
M-605	Skt6pt 5/32
M-606	Skt6pt 3/16
M-607	Skt6pt 7/32
M-608	Skt6pt 1/4
M-609	Skt6pt 9/32
M-610	Skt6pt 5/16
M-611	Skt6pt 11/32
M-612	Skt6pt 3/8
M-614	Skt6pt 7/16
M-616	Skt6pt 1/2
M-618	Skt6pt 9/16
MFE-6	1/4Dr Flible Ext 6
MM-604	Mm Skt6pt 4mm
MM-605	Mm Skt6pt 5mm
MM-605.5	Mm Skt6pt 55mm
MM-606	Mm Skt6pt 6mm
MM-607	Mm Skt6pt 7mm
MM-608	Mm Skt6pt 8mm
MM-609	Mm Skt6pt 9mm
MM-610	Mm Skt6pt 10mm
MM-611	Mm Skt6pt 11mm
MM-612	Mm Skt6pt 12mm
MM-613	Mm Skt6pt 13mm
MM-614	Mm Skt6pt 14mm
MWS-27	Hex Key Set 11-Pcs
MWS-47	Hex Key Set 7-Pcs
P-10	Pinpch 7 StSz 1/2
P-13	Sldpch 4-1/2 StSz 5/16
P-14	Sldpch 4-1/2 StSz 5/16
P-15	Sldpch 5 StSz 3/8
P-16	Sldpch 5 StSz 3/8
P-17	Sldpch 6 StSz 1/2
P-25	LgTprPch 8-1/2 StSz 1/2
P-26	LgTprPch 9 StSz 1/2
P-28	LgTprPch 11 StSz 5/8
P-3	Pinpch 4-3/4 StSz 5/16
P-30	Prickpch 5 StSz 3/8
P-4	Pinpch 5 StSz 5/16
P-40	Centerpch 5 StSz 3/8
P-42	Centerpch 6 StSz 1/2
P-5	Pinpch 5-1/4 StSz 5/16
P-6	Pinpch 5-1/2 StSz 5/16
P-8	Pinpch 7 StSz 3/8
PL-1519C	Superjoint Pls 5
PL-1515	Lck Rg Pls 8
PL-1600C	Snap Rg Pls & Tips Set
PL-533	Fixed Tip Ret Rg Pl-Ext
PL-534	Fixed Tip Ret Rg Pl-Ext
PLS-6A	General Service Pls Set
S-102P	1/2Dr Ext 2
S-10A	1/2Dr Speeder 13-5/8
S-110P	1/2Dr Ext 5
S-115P	1/2Dr Ext 10
S-121P	1/2Dr Ext 20
S-140A	1/2Dr U-Joint
S-15A	1/2Dr Speeder 18-1/16
S-20A	1/2Dr Sliding T Hdle
S-40AA	1/2Dr FlHdl 10-7/16
S-41AA	1/2Dr FlHdl 15-1/2
S-52EHA	1/2Dr Encl Hd Rat 10-3/8
S-52EHLA	1/2Dr Encl Hd Rat 15
S-60D	1/2Dr Stud Remover
S-70	1/2Dr Ratchet Spinner
SA-8A	HexBtSkt 1/4
SA-10A	HexBtSkt 5/16
SA-12A	HexBtSkt 3/8
SA-16A	HexBtSkt 1/2
SA-18A	HexBtSkt 9/16
SA-20A	HexBtSkt 5/8
SA-10A-3S	1/2Dr SlBitSkt
SA-12A-4S	1/2Dr SlBitSkt
SA-10A-3P	1/2Dr Ph Skt 3-Pt
SA-12A-4P	1/2Dr Ph Skt 4-Pt

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Maxxum Set WSC-680TB (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
SB-40AA	1/2Dr FlHdl 10-13/16 Blk	ST-1230	1/2Dr Std12ptSkt 15/16	STM-1213	1/2Dr Skt12pt 13mm	STM-1227	1/2Dr Skt12pt 27mm
SH-130	1/2Dr ADp 1/2 Fx3/4 M	ST-1231	1/2Dr Std12ptSkt 31/32	STM-1214	1/2Dr Skt12pt 14mm	STM-1228	1/2Dr Skt12pt 28mm
ST-1212	1/2Dr Std12ptSkt 3/8	ST-1232	1/2Dr Std12ptSkt 1	STM-1215	1/2Dr Skt12pt 15mm	STM-1229	1/2Dr Skt12pt 29mm
ST-1214	1/2Dr Std12ptSkt 7/16	ST-1234	1/2Dr Std12ptSkt 1 1/16	STM-1216	1/2Dr Skt12pt 16mm	STM-1230	1/2Dr Skt12pt 30mm
ST-1216	1/2Dr Std12ptSkt 1/2	ST-1236	1/2Dr Std12ptSkt 1 1/8	STM-1217	1/2Dr Skt12pt 17mm	STM-1232	1/2Dr Skt12pt 32mm
ST-1218	1/2Dr Std12ptSkt 9/16	ST-1238	1/2Dr Std12ptSkt 1 3/16	STM-1218	1/2Dr Skt12pt 18mm	STM-1234	1/2Dr Skt12pt 34mm
ST-1219	1/2Dr Std12ptSkt 19/32	ST-1240	1/2Dr Std12ptSkt 1 1/4	STM-1219	1/2Dr Skt12pt 19mm	STM-1236	1/2Dr Skt12pt 36mm
ST-1220	1/2Dr Std12ptSkt 5/8	ST-1242	1/2Dr Std12ptSkt 1 5/16	STM-1220	1/2Dr Skt12pt 20mm	WRS-1	Rat Scrr
ST-1221	1/2Dr Std12ptSkt 21/32	ST-1244	1/2Dr Std12ptSkt 1 3/8	STM-1221	1/2Dr Skt12pt 21mm	WS-45	Hex Key Set 8-Pcs
ST-1222	1/2Dr Std12ptSkt 11/16	ST-1246	1/2Dr Std12ptSkt 1 7/16	STM-1222	1/2Dr Skt12pt 22mm	W55TC10	55" 10 DRAWER TOP CHEST RED
ST-1224	1/2Dr Std12ptSkt 3/4	ST-1248	1/2Dr Std12ptSkt 1 1/2	STM-1223	1/2Dr Skt12pt 23mm	W55RC11	55" 11 DRAWER ROLL CAB RED
ST-1225	1/2Dr Std12ptSkt 25/32	STM-1210	1/2Dr Skt12pt 10mm	STM-1224	1/2Dr Skt12pt 24mm		
ST-1226	1/2Dr Std12ptSkt 13/16	STM-1211	1/2Dr Skt12pt 11mm	STM-1225	1/2Dr Skt12pt 25mm		
ST-1228	1/2Dr Std12ptSkt 7/8	STM-1212	1/2Dr Skt12pt 12mm	STM-1226	1/2Dr Skt12pt 26mm		

Contents: Maxxum Set Fractional WSC-680SAE

Refer to Master Sets Section Pages 24 & 25 for Photo and Description

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1002MFRMH	3/8Dr Cl Trq Wr 100 F-Lb	1230SC	WRChrSat12pt 15/16	20401	20oz FG Crv Claw Hmr	2-140B	3/8Dr Imp Uni Joint
10111	Hex Key Set Sh 11-Pc	1232SC	WRChrSat12pt 1	20544	16oz Bl PN FG Hdle Hmr	2-4A	3/8Dr Imp ADptr3/8Fx1/2M
10213	Hex Key Set Lg 13-Pc	1234SC	WRChrSat12pt 1-1/16	20545	24oz Bl PN FG Hdle Hmr	2-608	3/8Dr ImSkt6pt 1/4
1020	OE Wr 1/4x5/16	1236SC	WRChrSat12pt 1-1/8	20651	48oz CrPN FG LgHdl Hmr	2-610	3/8Dr ImSkt6pt 5/16
1033C	OE Wr 15/16x1	1240SC	WRChrSat12pt 1-1/4	20678	32ozDrilling FG Hdle Hmr	2-612	3/8Dr ImSkt6pt 3/8
1037B	OE Wr 1-1/8x1-3/16	12-610	3/8Dr DpImSkt6pt 5/16	21661	2pc PryBar BmdHdl	2-614	3/8Dr ImSkt6pt 7/16
1037	OE Wr 1-1/16x1-1/4	12-612	3/8Dr DpImSkt6pt 3/8	23092	2pc Ret Rg Pls Set	2-616	3/8Dr ImSkt6pt 1/2
10600	DblHd FL WR 3/8x7/16	12-614	3/8Dr DpImSkt6pt 7/16	23101	6-1/4 Sl Jt Pl	2-618	3/8Dr ImSkt6pt 9/16
10602	DblHd FL WR 1/2x9/16	12-616	3/8Dr DpImSkt6pt 1/2	23103	9-3/4 Sl Jt Pl	2-620	3/8Dr ImSkt6pt 5/8
10604	DblHd FL WR 5/8x11/16	12-618	3/8Dr DpImSkt6pt 9/16	23201	CrvJaw w/Ctr LckPl 5	2-622	3/8Dr ImSkt6pt 11/1
10606	DblHd FL WR 3/4x7/8	12-620	3/8Dr DpImSkt6pt 5/8	23202	CrvJaw w/Ctr LckPl 7	2-624	3/8Dr ImSkt6pt 3/4
1112A	Min OE WRChrSat 3/16	12-622	3/8Dr DpImSkt6pt 11/16	23203	CrvJaw w/Ctr LckPl 10	2-626	3/8Dr ImSkt6pt 13/1
1113A	Min OE WRChrSat 13/64	12-624	3/8Dr DpImSkt6pt 3/4	23301	CrvJaw wire Ctr LckPl 5	2-628	3/8Dr ImSkt6pt 7/8
1114A	Min OE WRChrSat 7/32	12-626	3/8Dr DpImSkt6pt 13/16	23302	CrvJaw wire Ctr LckPl 7	2-630	3/8Dr ImSkt6pt 15/1
1115A	Min OE WRChrSat 15/64	12-628	3/8Dr DpImSkt6pt 7/8	23305	Str Jaw LckPl 10	2-632	3/8Dr ImSkt6pt 1
1116A	Min OE WRChrSat 1/4	12-630	3/8Dr DpImSkt6pt 15/16	23310	Lg Ns wire Ctr LckPls 9	300-14-F15/16-HP	TIBx Saw PI14 15TPI
1118A	Min OE WRChrSat 9/32	12-632	3/8Dr DpImSkt6pt 1	23320	Lck C-Cl LckPl 6	30009	1/4 Fx3/8 M Adapter
1120A	Min OE WRChrSat 5/16	13406A	Chr Adj WRes 6	23503	FrEnd Strip-Cut/Crimper	31008	3/8 Fx1/4 M Adapter
1122A	Min OE WRChrSat 11/32	13408A	Chr Adj WRes 8	23506	Heavy Duty Stripper/Ctr	31009	3/8 Fx1/2 M Adapter
1124A	Min OE WRChrSat 3/8	13410A	Chr Adj WRes 10	23535	Cg Super Stripper 20-30	31301	3/8Dr SpkPl Skt 5/8
1128A	Min OE WRChrSat 7/16	13412A	Chr Adj WRes 12	23404	5-1/2 Diag Cut BmdHdl	31303	3/8Dr SpkPl Skt 13/16
1132A	Min OE WRChrSat 1/2	13418A	18 Chr Adj Wr Pol Hd	23407	8 Diag Cut BmdHdl	32008	1/2 Fx3/8 M Adapter
1136A	Min OE WRChrSat 9/16	13518	Cast Iron Pipe WR 8	23409	6-1/4 Bent Nose BmdHdl	32412	1/2Dr Skt 3/8
1140A	Min OE WRChrSat 5/8	13522	Cast Iron Pipe WR 12	PL-95C	5-1/2 Lg Ns BmdHdl	32414	1/2Dr Skt 7/16
11900	Fl Hd Comb WR 3/8	13526	Cast Iron Pipe WR 18	PL-77C	8 Lg Ns BmdHdl	32416	1/2Dr Skt 1/2
11901	Fl Hd Comb WR 7/16	14-612	1/2Dr DpImSkt6pt 3/8	222D	Alligator Pl 6	32418	1/2Dr Skt 9/16
11902	Fl Hd Comb WR 1/2	14-614	1/2Dr DpImSkt6pt 7/16	223D	Alligator Pl 7 1/2	32420	1/2Dr Skt 5/8
11903	Fl Hd Comb WR 9/16	14-616	1/2Dr DpImSkt6pt 1/2	224D	Alligator Pl 9 1/2	32422	1/2Dr Skt 11/16
11904	Fl Hd Comb WR 5/8	14-618	1/2Dr DpImSkt6pt 9/16	24201A	Cab Scr 1/8x4	32424	1/2Dr Skt 3/4
11905	Fl Hd Comb WR 11/16	14-620	1/2Dr DpImSkt6pt 5/8	24207A	Cab Scr 3/16x3	32426	1/2Dr Skt 13/16
11906	Fl Hd Comb WR 3/4	14-622	1/2Dr DpImSkt6pt11/16	24211A	Cab Scr 3/16x6	32428	1/2Dr Skt 7/8
11952	Ofs Comb WR 3/8	14-624	1/2Dr DpImSkt6pt 3/4	24213A	Cab Scr 3/16x10	32430	1/2Dr Skt 15/16
11953	Ofs Comb WR 7/16	14-626	1/2Dr DpImSkt6pt13/16	24205A	Sl Scr 3/16x4	32432	1/2Dr Skt 1
11954	Ofs Comb WR 1/2	14-628	1/2Dr DpImSkt6pt 7/8	24217A	Sl Scr 1/4x1 1/2	32434	1/2Dr Skt 1 1/16
11955	Ofs Comb WR 9/16	14-630	1/2Dr DpImSkt6pt15/16	24219A	Sl Scr 1/4x4	32436	1/2Dr Skt 1 1/8
11956	Ofs Comb WR 5/8	14-632	1/2Dr DpImSkt6pt 1	24237A	Sl Scr 5/16x6	32438	1/2Dr Skt 1 3/16
11957	Ofs Comb WR 11/16	14-634	1/2Dr DpImSkt6pt 1-1/16	24241A	Sl Scr 3/8x8	32440	1/2Dr Skt 1 1/4
11958	Ofs Comb WR 3/4	14-636	1/2Dr DpImSkt6pt 1-1/8	24249A	Ph Scr # 1x3	32448	1/2Dr Skt 1 1/2
11959	Ofs Comb WR 13/16	14-638	1/2Dr DpImSkt6pt 1-3/16	24251A	Ph Scr # 2x1 1/2	325	Prof Hksw Hdle 12
11960	Ofs Comb WR 7/8	14-640	1/2Dr DpImSkt6pt 1-1/4	24253A	Ph Scr # 2x4	33008	3/4F*1/2MAdapter
11920	Fl Hd SQDr 3/8x1/2	14-642	1/2Dr DpImSkt6pt 1-5/16	24263A	Torx Scr T10x4	35182	3/8Dr Torx Bit Skt T25
1206MRC	6mm Rat Comb Wr	14-644	1/2Dr DpImSkt6pt 1-3/8	24265A	Torx Scr T15x4	35183	3/8Dr Torx Bit Skt T27
1208RC	1/4 Rat Comb Wr	14-646	1/2Dr DpImSkt6pt 1-7/16	24267A	Torx Scr T20x4	35184	3/8Dr Torx Bit Skt T30
1210SC	WRChrSat12pt 5/16	14-648	1/2Dr DpImSkt6pt 1-1/2	24269A	Torx Scr T25x4	35185	3/8Dr Torx Bit Skt T40
1212SC	WRChrSat12pt 3/8	1723	OE Wr 3/8x7/16	24271A	Torx Scr T27x4	35186	3/8Dr Torx Bit Skt T45
1214SC	WRChrSat12pt 7/16	1725	OE Wr 7/16x1/2	24273A	Torx Scr T30x4	35187	3/8Dr Torx Bit Skt T47
1216SC	WRChrSat12pt 1/2	1725B	OE Wr 1/2x9/16	24239A	5/16x8 Rd Sl Bmd Hdle	35188	3/8Dr Torx Bit Skt T50
1218SC	WRChrSat12pt 9/16	1727	OE Wr 9/16x5/8	24243A	3/8x12 Rd Sl Bmd Hdle	396-LAP	Fldg Saw Bmd 8 7TPI
1210RC	Rev Rat Comb WR 5/16	1729B	OE Wr 11/16x3/4	24259A	#3x6 Ph Bmd Hdle	40000	1/4x6 GsktScpr BmdHdl
1212RC	Rev Rat Comb WR 3/8	1731B	OE Wr 13/16x7/8	24401	3/16 Csh Gr Ntdrv	40052	QckBl AutoUtKnife5pk 025
1214RC	Rev Rat Comb WR 7/16	1-100-04-3-2	4 Hd SM File w/PlHdl	24403	1/4 Csh Gr Ntdrv	40058	Fldg Ut Knife
1216RC	Rev Rat Comb WR 1/2	1-111-04-3-2	4 WRD SM File w/PlHdl	24405	5/16 Csh Gr Ntdrv	40150	Tel Pick-Up Tl BmdHdl
1218RC	Rev Rat Comb WR 9/16	1-160-04-3-2	4 SQ SM File w/PlHdl	24407	11/32 Csh Gr Ntdrv	40201	4pc MiniPick/Hook BmdHdl
1220SC	WRChrSat12pt 5/8	1-170-04-3-2	4 3 SQ SM File w/PlHdl	2503MFRMH	1/2Dr Cl Trq Wr 250 F-Lb	40221	12 Strap WR
1222SC	WRChrSat12pt 11/16	1-100-08-1-2	8 Hd BST File w/Hdle	PL-209X	Lnms'S Pl Comf Gr 9 -1/2	40251	4pc Ut Tl Set BmdHdl
1224SC	WRChrSat12pt 3/4	1-100-08-2-2	8 Hd 2ND File w/Hdle	28201	Av Snips Left	42302	Std Seat Creeper
1226SC	WRChrSat12pt 13/16	1-160-08-1-2	8 SQ BST File w/Hdle	28203	Av Snips Right	43605	Tube Ctr 1-1/8
1228SC	WRChrSat12pt 7/8	1-210-04-3-2	4 1/2RD SM File w/PlHdl	28205	Av Snips Str	43618	Pl Hose Ctr
1220RC	Rev Rat Comb WR 5/8	1-230-04-3-2	4 RD SM File w/PlHdl	2-02B	3/8Dr Imp Ext 3	4559-24	Bolt Ctr Cmf Grs 24
1222RC	Rev Rat Comb WR 11/16	1-210-08-1-2	8 1/2RD BST File w/Hdle	2-103A	3/8Dr Imp Ext 3	4-102	1/2Dr Imp Ext 3-1/2
1224RC	Rev Rat Comb WR 3/4	1-230-08-1-2	8 RD BST File w/Hdle	2-106A	3/8Dr Imp Ext 6	4-105A	1/2Dr Imp Ext 5

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Maxxum Set Fractional WSC-680SAE (con't)

Product Code	Description
4-110A	1/2Dr Imp Ext 10
4-140B	1/2Dr Imp U-Joint
4-2A	1/2Dr Imp ADpr1/2 Fx3/8
40639	1/2Dr Imp ADpr1/2 Fx3/4
4-612	1/2Dr Imp Skt6pt 3/8
4-614	1/2Dr Imp Skt6pt 7/16
4-616	1/2Dr Imp Skt6pt 1/2
4-618	1/2Dr Imp Skt6pt 9/16
4-620	1/2Dr Imp Skt6pt 5/8
4-622	1/2Dr Imp Skt6pt 11/16
4-624	1/2Dr Imp Skt6pt 3/4
4-626	1/2Dr Imp Skt6pt 13/16
4-628	1/2Dr Imp Skt6pt 7/8
4-630	1/2Dr Imp Skt6pt 15/16
4-632	1/2Dr Imp Skt6pt 1
4-634	1/2Dr Imp Skt6pt 1-1/16
4-636	1/2Dr Imp Skt6pt 1-1/8
4-638	1/2Dr Imp Skt6pt 1-3/16
4-640	1/2Dr Imp Skt6pt 1-1/4
4-642	1/2Dr Imp Skt6pt 1-5/16
4-644	1/2Dr Imp Skt6pt 1-3/8
4-646	1/2Dr Imp Skt6pt 1-7/16
4-648	1/2Dr Imp Skt6pt 1-1/2
7029B	BxWRChrSat12pt 11/16x3/4
7033C	BxWRChrSat12pt 15/16x1
7723	BxWRChrSat12pt 3/8x7/16
7725B	BxWRChrSat12pt 1/2x9/16
7727A	BxWRChrSat12pt 5/8x11/16
7731A	BxWRChrSat12pt 3/4x7/8
7731B	BxWRChrSat12pt 13/16x7/8
8223	Adj Joint Pls 8
8225	Adj Joint Pls 12
3906-300-18-10P	Bi Hksw Bl 12 18TPI
B-101	3/8Dr Ext 1 1/2
B-108	3/8Dr Ext 3
B-110	3/8Dr Ext 6
B-115	3/8Dr Ext 11
B-118	3/8Dr Ext 18
B-140A	3/8Dr U-Joint
B-15	3/8Dr Speeder
B-1208	Skt12pt 1/4
B-1210	Skt12pt 5/16
B-1212	Skt12pt 3/8
B-1214	Skt12pt 7/16
B-1216	Skt12pt 1/2
B-1218	Skt12pt 9/16
B-1220	Skt12pt 5/8
B-1222	Skt12pt 11/16
B-1224	Skt12pt 3/4
B-1226	Skt12pt 13/16
B-1228	Skt12pt 7/8
B-1230	Skt12pt 15/16
B-1232	Skt12pt 1
B-20A	3/8Dr Sliding T Hdle
B-40A	3/8Dr FlHdl
B-52EHA	3/8Dr Encl Hd Rat 8
B-52EHLA	3/8Dr Encl Hd Rat 10-3/4
B-70	Chr Ratchet Spinner
BA-4A	Sh HexBtSkt 1/8
BA-5A	Sh HexBtSkt 5/32
BA-6A	Sh HexBtSkt 3/16
BA-7A	Sh HexBtSkt 7/32
BA-8A	Sh HexBtSkt 1/4
BA-10A	Sh HexBtSkt 5/16
BA-12A	Sh HexBtSkt 3/8
BA-10A-3P	3/8Dr Ph Skt 3-Pt
BA-10A-3S	3/8Dr SlSkt 9/32x045
BA-10A-4S	3/8Dr SlSkt 5/16x055
BA-12A-4P	3/8Dr Ph Skt 4-Pt
BA-5A-1S	3/8Dr SlSkt 3/16x032
BA-7A-1P	3/8Dr Ph Skt 1-Pt
BA-7A-2P	3/8Dr Ph Skt 2-Pt
BA-7A-2S	3/8Dr SlSkt 7/32x040
BD-1208	Dp Skt12pt 1/4
BD-1210	Dp Skt12pt 5/16
BD-1212	Dp Skt12pt 3/8
BD-1214	Dp Skt12pt 7/16
BD-1216	Dp Skt12pt 1/2
BD-1218	Dp Skt12pt 9/16
BD-1220	Dp Skt12pt 5/8
BD-1222	Dp Skt12pt 11/16
BD-1224	Dp Skt12pt 3/4
BD-1226	Dp Skt12pt 13/16
BD-1228	Dp Skt12pt 7/8
BD-1230	Dp Skt12pt 15/16
BD-1232	Dp Skt12pt 1
BFE-8	3/8Dr Flible Ext 8
BHMD-30	3/8Dr Hd ImpDrr
C-10	Cd Chs 5 StSz 5/16
C-12	Cd Chs 5-1/4 StSz 5/16
C-16	Cd Chs 6 StSz 3/8
C-20	Cd Chs 6-1/2 StSz 1/2
C-24	Cd Chs 7 StSz 5/8
C-28	Cd Chs 7-1/2 StSz 3/8
C-32	Cd Chs 8 StSz 7/8
C-36	Cd Chs 8 StSz 7/8
C-8	Cd Chs 4-3/4 StSz 1/4
CC-404C	C-Cl Cpr Scr 4
CC-406C	C-Cl Cpr Scr 6
CW-4	Chain Wr
Ex-21A	ExtrDrill Sz 1/8
Ex-21B	ExtrDrill Sz 3/16
Ex-22A	ExtrDrill Sz 7/32
Ex-24A	ExtrDrill Sz 5/16
Ex-25B	ExtrDrill Sz 3/8
Ex-25A	ExtrDrill Sz 15/32
Ex-26A	ExtrDrill Sz 9/16
Ex-28	ExtrDrill Sz 21/32
Ex-29	ExtrDrill Sz 13/16
GS-1	Master Feeler Gauge Set
GSC-12	GsktScpr-8-3/4x1 1/2
HSB-25	Brass Hmr 2-1/2 Lb
HSF-152A	Hmr Body 1-1/4 Lb 1-1/2
HSF-15N	Hmr Tip Med Hard 1-1/2
HSF-15S	Hmr Tip Soft 1-1/2
HSF-15xH	Hmr Tip Extra Hard1-1/2
JHW-16	Deadblow Hmr 16oz
JHW-32	Deadblow Hmr 32oz
M-102	1/4Dr Ext 2
M-104	1/4Dr Ext 4
M-106A	1/4Dr Spinner Hdle
M-110	1/4Dr Ext 10
M-115	1/4Dr Ext 6
M-140A	1/4Dr U-Joint
M-15A	1/4Dr Speeder
M-20A	1/4Dr Sliding T Hdle
M-42A	1/4Dr FlHdl
M-52EHA	1/4Dr Encl Hd Ratchet 5
M-605	Skt6pt 5/32
M-606	Skt6pt 3/16
M-607	Skt6pt 7/32
M-608	Skt6pt 1/4
M-609	Skt6pt 9/32
M-610	Skt6pt 5/16
M-611	Skt6pt 11/32
M-612	Skt6pt 3/8
M-614	Skt6pt 7/16
M-616	Skt6pt 1/2
M-618	Skt6pt 9/16
MFE-6	1/4Dr Flible Ext 6
MWS-27	Hex Key Set 11-Pcs
MWS-47	Hex Key Set 7-Pcs
P-10	Pinpch 7 StSz 1/2
P-13	Sldpch 4-1/2 StSz 5/16
P-14	Sldpch 4-1/2 StSz 5/16
P-15	Sldpch 5 StSz 3/8
P-16	Sldpch 5 StSz 3/8
P-17	Sldpch 6 StSz 1/2
P-25	LgTprPch 8-1/2 StSz 1/2
P-26	LgTprPch 9 StSz 1/2
P-28	LgTprPch 11 StSz 5/8
P-3	Pinpch 4-3/4 StSz 5/16
P-30	Prickpch 5 StSz 3/8
P-4	Pinpch 5 StSz 5/16
P-40	Centerpch 5 StSz 3/8
P-42	Centerpch 6 StSz 1/2
P-5	Pinpch 5-1/4 StSz 5/16
P-6	Pinpch 5-1/2 StSz 5/16
P-8	Pinpch 7 StSz 3/8
PL-1519C	Superjoint Pls 5
PL-1515	Lck Rg Pls 8
PL-1600C	Snap Rg Pls & Tips Set
PL-533	Fixed Tip Ret Rg Pl-Ext
PL-534	Fixed Tip Ret Rg Pl-Ext
PLS-6A	General Service Pls Set
S-102P	1/2Dr Ext 2
S-10A	1/2Dr Speeder 13-5/8
S-110P	1/2Dr Ext 5
S-115P	1/2Dr Ext 10
S-121P	1/2Dr Ext 20
S-140A	1/2Dr U-Joint
S-15A	1/2Dr Speeder 18-1/16
S-20A	1/2Dr Sliding T Hdle
S-40AA	1/2Dr FlHdl 10-7/16
S-41AA	1/2Dr FlHdl 15-1/2
S-52EH	1/2Dr Encl Hd Rat 10-3/8
S-52EHL	1/2Dr Encl Hd Rat 15
S-60D	1/2Dr Stud Remover
S-70	1/2Dr Ratchet Spinner
SA-8A	HexBtSkt 1/4
SA-10A	HexBtSkt 5/16
SA-12A	HexBtSkt 3/8
SA-16A	HexBtSkt 1/2
SA-18A	HexBtSkt 9/16
SA-20A	HexBtSkt 5/8
SA-10A-3S	1/2Dr SlBitSkt
SA-12A-4S	1/2Dr SlBitSkt
SA-10A-3P	1/2Dr Ph Skt 3-Pt
SA-12A-4P	1/2Dr Ph Skt 4-Pt
SB-40AA	1/2Dr FlHdl 10-13/16 Blk
SH-130	1/2Dr ADp 1/2 Fx3/4 M
ST-1212	1/2Dr Std12ptSkt 3/8
ST-1214	1/2Dr Std12ptSkt 7/16
ST-1216	1/2Dr Std12ptSkt 1/2
ST-1218	1/2Dr Std12ptSkt 9/16
ST-1219	1/2Dr Std12ptSkt 19/32
ST-1220	1/2Dr Std12ptSkt 5/8
ST-1221	1/2Dr Std12ptSkt 21/32
ST-1222	1/2Dr Std12ptSkt 11/16
ST-1224	1/2Dr Std12ptSkt 3/4
ST-1225	1/2Dr Std12ptSkt 25/32
ST-1226	1/2Dr Std12ptSkt 13/16
ST-1228	1/2Dr Std12ptSkt 7/8
ST-1230	1/2Dr Std12ptSkt 15/16
ST-1231	1/2Dr Std12ptSkt 31/32
ST-1232	1/2Dr Std12ptSkt 1
ST-1234	1/2Dr Std12ptSkt 1 1/16
ST-1236	1/2Dr Std12ptSkt 1 1/8
ST-1238	1/2Dr Std12ptSkt 1 3/16
ST-1240	1/2Dr Std12ptSkt 1 1/4
ST-1242	1/2Dr Std12ptSkt 1 5/16
ST-1244	1/2Dr Std12ptSkt 1 3/8
ST-1246	1/2Dr Std12ptSkt 1 7/16
ST-1248	1/2Dr Std12ptSkt 1 1/2
WRS-1	Rat Scrr
WS-45	Hex Key Set 8-Pcs

Contents: Maxxum Set Metric WSC-680MM

Refer to Master Sets Section Pages 24 & 25 for Photo and Description

Product Code	Description
1002MFRMH	3/8Dr Cl Trq Wr 100 F-Lb
10111	Hex Key Set Sh 11-Pc
10213	Hex Key Set Lg 13-Pc
10650	FL NUT WR 9x11 mm
10652	FL NUT WR 10x12 mm
10654	FL NUT WR 13x14 mm
10656	FL NUT WR 15x17 mm
10658	FL NUT WR 19x21 mm
1207MSC	WRChrSat12pt 7mm
1208MSC	WRChrSat12pt 8mm
1209MSC	WRChrSat12pt 9mm
1206MRC	6mm Rat Comb Wr
1208RC	1/4 Rat Comb Wr
1208MRC	Rev Rat Comb WR 8 mm
1209MRC	Rev Rat Comb WR 9 mm
1210MSC	WRChrSat12pt 10mm
1211MSC	WRChrSat12pt 11mm
1212MSC	WRChrSat12pt 12mm
1213MSC	WRChrSat12pt 13mm
1214MSC	WRChrSat12pt 14mm
1215MSC	WRChrSat12pt 15mm
1217MSC	WRChrSat12pt 17mm
1218MSC	WRChrSat12pt 18 mm
1219MSC	WRChrSat12pt 19 mm
1210MRC	Rev Rat Comb WR 10 mm
1211MRC	Rev Rat Comb WR 11 mm
1212MRC	Rev Rat Comb WR 12 mm
1213MRC	Rev Rat Comb WR 13 mm
1214MRC	Rev Rat Comb WR 14 mm
1215MRC	Rev Rat Comb WR 15 mm
1216MRC	Rev Rat Comb WR 16 mm
1217MRC	Rev Rat Comb WR 17 mm
1218MRC	Rev Rat Comb WR 18 mm
1219MRC	Rev Rat Comb WR 19 mm
1221MSC	WRChrSat12pt 21 mm
1222MSC	WRChrSat12pt 22 mm
1224MSC	WRChrSat12pt 24 mm
1227MSC	WRChrSat12pt 27 mm
1230MSC	WRChrSat12pt 30 mm
1232MSC	WRChrSat12pt 32 mm
1234MSC	WRChrSat12pt 34 mm
1236MSC	WRChrSat12pt 36 mm
1-100-04-3-2	4 Hd SM File w/PlHdl
1-111-04-3-2	4 WRD SM File w/PlHdl
1-160-04-3-2	4 SQ SM File w/PlHdl
1-170-04-3-2	4 3 SQ SM File w/PlHdl
1-210-04-3-2	4 1/2RD SM File w/PlHdl
1-230-04-3-2	4 RD SM File w/PlHdl
1-100-08-1-2	8 Hd BST File w/Hdle
1-100-08-2-2	8 Hd 2ND File w/Hdle
1-160-08-1-2	8 SQ BST File w/Hdle
1-210-08-1-2	8 1/2RD BST File w/Hdle
1-230-08-1-2	8 RD BST File w/Hdle
20401	20oz FG Crv Claw Hmr
20544	16oz Bl PN FG Hdle Hmr
20545	24oz Bl PN FG Hdle Hmr
20651	48oz CrPN FG LgHdl Hmr
20678	32ozDrilling FG Hdle Hmr
21661	2pc PryBar BmdHdl
23092	2pc Ret Rg Pls Set
23101	6-1/4 Sl Jt Pl
23103	9-3/4 Sl Jt Pl
23201	CrvJaw w/Ctr LckPl 5
23202	CrvJaw w/Ctr LckPl 7
23203	CrvJaw w/Ctr LckPl 10
23301	CrvJaw wire Ctr LckPl 5
23302	CrvJaw wire Ctr LckPl 7
23305	Str Jaw LckPl 10
23310	Lg Ns wire Ctr LckPls 9
23320	Lck C-Cl LckPl 6
23503	FrEnd Strip-Cut/Crimper
23506	Heavy Duty Stripper/Ctr
23535	Cg Super Stripper 20-30
23404	5-1/2 Diag Cut BmdHdl
23407	8 Diag Cut BmdHdl
23409	6-1/4 Bent Nose BmdHdl
PL-95C	5-1/2 Lg Ns BmdHdl
PL-77C	8 Lg Ns BmdHdl
222D	Alligator Pl 6
223D	Alligator Pl 7 1/2
224D	Alligator Pl 9 1/2
24201A	Cab Scr 1/8x4
24207A	Cab Scr 3/16x3
24211A	Cab Scr 3/16x6
24213A	Cab Scr 3/16x10
24205A	Sl Scr 3/16x4
24217A	Sl Scr 1/4x1 1/2
24219A	Sl Scr 1/4x4
24237A	Sl Scr 5/16x6
24241A	Sl Scr 3/8x8
24249A	Ph Scr # 1x3
24251A	Ph Scr # 2x1 1/2
24253A	Ph Scr # 2x4
24263A	Torx Scr T10x4
24265A	Torx Scr T15x4
24267A	Torx Scr T20x4
24269A	Torx Scr T25x4
24271A	Torx Scr T27x4
24273A	Torx Scr T30x4
24239A	5/16x8 Rd Sl Bmd Hdle
24243A	3/8x12 Rd Sl Bmd Hdle
24259A	#3x6 Ph Bmd Hdle
24401	3/16 Csh Gr Ntdrv
24403	1/4 Csh Gr Ntdrv
24405	5/16 Csh Gr Ntdrv
24407	11/32 Csh Gr Ntdrv
2503MFRMH	1/2Dr Cl Trq Wr 250 F-Lb
PL-209X	Lnms'S Pl Comf Gr 9 -1/2
28201	Av Snips Left
28203	Av Snips Right
28205	Av Snips Str
2-02B	3/8Dr Imp Ext 3
2-103A	3/8Dr Imp Ext 3
2-106A	3/8Dr Imp Ext 6
2-140B	3/8Dr Imp Uni Joint
2-4A	3/8Dr Imp ADptr3/8Fx1/2M
2M-607	Std ImSkt6pt 7 mm
2M-608	Std ImSkt6pt 8 mm
2M-609	Std ImSkt6pt 9 mm
2M-610	Std ImSkt6pt 10 mm
2M-611	Std ImSkt6pt 11 mm
2M-612	Std ImSkt6pt 12 mm
2M-613	Std ImSkt6pt 13 mm
2M-614	Std ImSkt6pt 14 mm
2M-615	Std ImSkt6pt 15 mm
2M-616	Std ImSkt6pt 16 mm
2M-617	Std ImSkt6pt 17 mm
2M-618	Std ImSkt6pt 18 mm
2M-619	Std ImSkt6pt 19 mm
300-14-F15/16-HP	TlBx Saw Pl14 15TPI
30009	1/4 Fx3/8 M Adapter
31008	3/8 Fx1/4 M Adapter
31009	3/8 Fx1/2 M Adapter
325	Prof Hksw Hdle 12
35182	3/8Dr Torx Bit Skt T25
35183	3/8Dr Torx Bit Skt T27
35184	3/8Dr Torx Bit Skt T30
35185	3/8Dr Torx Bit Skt T40
35186	3/8Dr Torx Bit Skt T45
35187	3/8Dr Torx Bit Skt T47
35188	3/8Dr Torx Bit Skt T50
396-LAP	Fldg Saw Bmd 8 7TPI
40000	1/4x6 GsktScpr BmdHdl
40052	QckBl AutoUtKnife5pk 025
40058	Fldg Ut Knife
40150	Tel Pick-Up Tl BmdHdl
40201	4pc MiniPick/Hook BmdHdl
40221	12 Strap WR
40251	4pc Ut Tl Set BmdHdl
42302	Std Seat Creeper
43605	Tube Ctr 1-1/8
43618	Pl Hose Ctr
4559-24	Bolt Ctr Cmf Grs 24
4-102	1/2Dr Imp Ext 3-1/2
4-105A	1/2Dr Imp Ext 5
4-110A	1/2Dr Imp Ext 10
4-140B	1/2Dr Imp U-Joint
4-2F	1/2Dr Imp ADpr1/2 Fx3/8
4-6	1/2Dr Imp ADpr1/2 Fx3/4
4M-610	1/2Dr ImSkt6pt 10mm
4M-611	1/2Dr ImSkt6pt 11mm
4M-612	1/2Dr ImSkt6pt 12mm
4M-613	1/2Dr ImSkt6pt 13mm
4M-614	1/2Dr ImSkt6pt 14mm
4M-615	1/2Dr ImSkt6pt 15mm
4M-616	1/2Dr ImSkt6pt 16mm
4M-617	1/2Dr ImSkt6pt 17mm
4M-618	1/2Dr ImSkt6pt 18mm
4M-619	1/2Dr ImSkt6pt 19mm
4M-620	1/2Dr ImSkt6pt 20mm
4M-621	1/2Dr ImSkt6pt 21mm
4M-622	1/2Dr ImSkt6pt 22mm
4M-623	1/2Dr ImSkt6pt 23mm
4M-624	1/2Dr ImSkt6pt 24mm
4M-625	1/2Dr ImSkt6pt 25mm
4M-626	1/2Dr ImSkt6pt 26mm
4M-627	1/2Dr ImSkt6pt 27mm
4M-629	1/2Dr ImSkt6pt 29mm
4M-630	1/2Dr ImSkt6pt 30mm
4M-632	1/2Dr ImSkt6pt 32M
4M-634	1/2Dr ImSkt6pt 34mm
4M-636	1/2Dr ImSkt6pt 36mm
8223	Adj Joint Pls 8
8225	Adj Joint Pls 12
3906-300-18-10P	Bi Hksw Bl 12 18TPI
B-101	3/8Dr Ext 1 1/2
B-108	3/8Dr Ext 3
B-110	3/8Dr Ext 6
B-115	3/8Dr Ext 11
B-118	3/8Dr Ext 18
B-140A	3/8Dr U-Joint
B-15	3/8Dr Speeder
B-20A	3/8Dr Sliding T Hdle
B-40A	3/8Dr FlHdl
B-52EHA	3/8Dr Encl Hd Rat 8
B-52EHLA	3/8Dr Encl Hd Rat 10-3/4
B-70	Chr Ratchet Spinner
BFE-8	3/8Dr Flible Ext 8
BHMD-30	3/8Dr Hd ImpDrr
BM-1206	6 mm 3/8Dr Std12pt Skt
BM-1207	7 mm 3/8Dr Std12pt Skt
BM-1208	8 mm 3/8Dr Std12pt Skt
BM-1209	9 mm 3/8Dr Std12pt Skt
BM-1210	10 mm 3/8Dr Std12pt Skt
BM-1210	10 mm 3/8Dr Std12pt Skt
BM-1211	11 mm 3/8Dr Std12pt Skt
BM-1212	12 mm 3/8Dr Std12pt Skt
BM-1213	13 mm 3/8Dr Std12pt Skt
BM-1214	14 mm 3/8Dr Std12pt Skt
BM-1215	15 mm 3/8Dr Std12pt Skt
BM-1216	16 mm 3/8Dr Std12pt Skt
BM-1217	17 mm 3/8Dr Std12pt Skt
BM-1218	18 mm 3/8Dr Std12pt Skt
BM-1219	19 mm 3/8Dr Std12pt Skt
BM-1220	20 mm 3/8Dr Std12pt Skt
BM-1221	21 mm 3/8Dr Std12pt Skt
BM-1222	22 mm 3/8Dr Std12pt Skt
BM-1223	23 mm 3/8Dr Std12pt Skt
BM-1224	24 mm 3/8Dr Std12pt Skt
BM-1226	26 mm 3/8Dr Std12pt Skt
C-10	Cd Chs 5 StSz 5/16
C-12	Cd Chs 5-1/4 StSz 5/16
C-16	Cd Chs 6 StSz 3/8
C-20	Cd Chs 6-1/2 StSz 1/2
C-24	Cd Chs 7 StSz 5/8
C-28	Cd Chs 7-1/2 StSz 3/8
C-32	Cd Chs 8 StSz 7/8
C-36	Cd Chs 8 StSz 7/8
C-8	Cd Chs 4-3/4 StSz 1/4
CC-404C	C-Cl Cpr Scr 4
CC-406C	C-Cl Cpr Scr 6
CW-4	Chain Wr
GS-1	Master Feeler Gauge Set
GSC-12	GsktScpr-8-3/4x1 1/2
HSB-2.6A	Brass Hmr 2-1/2 Lb
HSF-151A	Hmr Body 1-1/4 Lb 1-1/2
HSF-15N	Hmr Tip Med Hard 1-1/2
HSF-15S	Hmr Tip Soft 1-1/2
HSF-15xH	Hmr Tip Extra Hard1-1/2
JHW-16	Deadblow Hmr 16oz
JHW-32	Deadblow Hmr 32oz
M-102	1/4Dr Ext 2
M-104	1/4Dr Ext 4
M-106A	1/4Dr Spinner Hdle
M-110	1/4Dr Ext 10
M-115	1/4Dr Ext 6
M-140A	1/4Dr U-Joint
M-15A	1/4Dr Speeder
30008	1/4Dr Sliding T Hdle
M-42A	1/4Dr FlHdl
M-52EHA	1/4Dr Encl Hd Ratchet 5
MFE-6	1/4Dr Flible Ext 6
MM-604	Mm Skt6pt 4mm
MM-605	Mm Skt6pt 5mm
MM-605.5	Mm Skt6pt 55mm
MM-606	Mm Skt6pt 6mm
MM-607	Mm Skt6pt 7mm
MM-608	Mm Skt6pt 8mm
MM-609	Mm Skt6pt 9mm
MM-610	Mm Skt6pt 10mm
MM-611	Mm Skt6pt 11mm
MM-612	Mm Skt6pt 12mm
MM-613	Mm Skt6pt 13mm
MM-614	Mm Skt6pt 14mm
MWS-27	Hex Key Set 11-Pcs
MWS-47	Hex Key Set 7-Pcs
P-10	Pinpch 7 StSz 1/2
P-13	Sldpch 4-1/2 StSz 5/16
P-14	Sldpch 4-1/2 StSz 5/16
P-15	Sldpch 5 StSz 3/8
P-16	Sldpch 5 StSz 3/8
P-17	Sldpch 6 StSz 1/2
P-25	LgTprPch 8-1/2 StSz 1/2
P-26	LgTprPch 9 StSz 1/2
P-28	LgTprPch 11 StSz 5/8
P-3	Pinpch 4-3/4 StSz 5/16
P-30	Prickpch 5 StSz 3/8
P-4	Pinpch 5 StSz 5/16
P-40	Centerpch 5 StSz 3/8
P-42	Centerpch 6 StSz 1/2
P-5	Pinpch 5-1/4 StSz 5/16
P-6	Pinpch 5-1/2 StSz 5/16
P-8	Pinpch 7 StSz 3/8
PL-1519C	Superjoint Pls 5
PL-1515	Lck Rg Pls 8
PL-1600C	Snap Rg Pls & Tips Set
PL-533	Fixed Tip Ret Rg Pl-Ext
PL-534	Fixed Tip Ret Rg Pl-Ext
PLS-6A	General Service Pls Set
S-102P	1/2Dr Ext 2
S-10A	1/2Dr Speeder 13-5/8
S-110P	1/2Dr Ext 5
S-115P	1/2Dr Ext 10
S-121P	1/2Dr Ext 20
S-140A	1/2Dr U-Joint
S-15A	1/2Dr Speeder 18-1/16
S-20A	1/2Dr Sliding T Hdle
S-40AA	1/2Dr FlHdl 10-7/16
S-41AA	1/2Dr FlHdl 15-1/2
S-52EHA	1/2Dr Encl Hd Rat 10-3/8
S-52EHLA	1/2Dr Encl Hd Rat 15
S-60D	1/2Dr Stud Remover
S-70	1/2Dr Ratchet Spinner
SB-40AA	1/2Dr FlHdl 10-13/16 Blk
SH-130	1/2Dr ADp 1/2 Fx3/4 M
STM-1210	1/2Dr Skt12pt 10mm
STM-1211	1/2Dr Skt12pt 11mm
STM-1212	1/2Dr Skt12pt 12mm
STM-1213	1/2Dr Skt12pt 13mm
STM-1214	1/2Dr Skt12pt 14mm
STM-1215	1/2Dr Skt12pt 15mm
STM-1216	1/2Dr Skt12pt 16mm
STM-1217	1/2Dr Skt12pt 17mm
STM-1218	1/2Dr Skt12pt 18mm
STM-1219	1/2Dr Skt12pt 19mm
STM-1220	1/2Dr Skt12pt 20mm
STM-1221	1/2Dr Skt12pt 21mm
STM-1222	1/2Dr Skt12pt 22mm
STM-1223	1/2Dr Skt12pt 23mm
STM-1224	1/2Dr Skt12pt 24mm
STM-1225	1/2Dr Skt12pt 25mm
STM-1226	1/2Dr Skt12pt 26mm
STM-1227	1/2Dr Skt12pt 27mm
STM-1228	1/2Dr Skt12pt 28mm
STM-1229	1/2Dr Skt12pt 29mm
STM-1230	1/2Dr Skt12pt 30mm
STM-1232	1/2Dr Skt12pt 32mm
STM-1234	1/2Dr Skt12pt 34mm
STM-1236	1/2Dr Skt12pt 36mm
WRS-1	Rat Scrr

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Contents: Monster Set WSMSC-595TB

Refer to Master Sets Section Pages 26 & 27 for Photo and Description

Note: WSMSC-595 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description
208	Mini Hksw Alum Hdle 10
1723	Op End Wrench 3/8 X 7/16"
1727	Op End Wrench 9/16 X 5/8"
10213	Hex Key Set Lg 13-pc
10509	Hex Key Set Short MM 9 Pcs
10700	3/8 DR CRFT WR 3/8 OE
10701	3/8 DR CRFT WR 7/16 OE
10702	3/8 DR CRFT WR 1/2 OE
10703	3/8 DR CRFT WR 9/16 OE
10704	3/8 DR CRFT WR 5/8 OE
10705	3/8 DR CRFT WR 11/16 OE
10706	3/8 DR CRFT WR 3/4 OE
10707	3/8 DR CRFT WR 13/16 OE
10708	3/8 DR CRFT WR 7/8 OE
10709	3/8 DR CRFT WR 15/16 OE
10710	3/8 DR CRFT WR 1 OE
10711	3/8 DR CRFT WR 1-1/16 OE
10712	3/8 DR CRFT WR 1-1/18 OE
10713	3/8 DR CRFT WR 1-3/16 OE
10714	3/8 DR CRFT WR 1-1/4 OE
10715	3/8 DR CRFT WR 1-5/16 OE
10716	3/8 DR CRFT WR 1-3/8 OE
10717	3/8 DR CRFT WR 1-7/16 OE
10718	3/8 DR CRFT WR 1-1/2 OE
10719	3/8 DR CRFT WR 1-9/16 OE
10720	3/8 DR CRFT WR 1-5/8 OE
10721	3/8 DR CRFT WR 1-11/16 OE
10722	3/8 DR CRFT WR 1-3/4 OE
10723	3/8 DR CRFT WR 1-13/16 OE
10724	3/8 DR CRFT WR 1-7/8 OE
10725	3/8 DR CRFT WR 1-15/16 OE
10726	3/8 DR CRFT WR 2 OE
10759	3/8 DR CRFT WR 9MM OE
10760	3/8 DR CRFT WR 10MM OE
10761	3/8 DR CRFT WR 11MM OE
10762	3/8 DR CRFT WR 12MM OE
10763	3/8 DR CRFT WR 13MM OE
10764	3/8 DR CRFT WR 14MM OE
10765	3/8 DR CRFT WR 15MM OE
10766	3/8 DR CRFT WR 16MM OE
10767	3/8 DR CRFT WR 17MM OE
10768	3/8 DR CRFT WR 18MM OE
10769	3/8 DR CRFT WR 19MM OE
10770	3/8 DR CRFT WR 20MM OE
10771	3/8 DR CRFT WR 21MM OE
10772	3/8 DR CRFT WR 22MM OE
10773	3/8 DR CRFT WR 23MM OE
10774	3/8 DR CRFT WR 24MM OE
10810	1/2 DR CRFT WR 15/16 OE
10811	1/2 DR CRFT WR 1 OE
10812	1/2 DR CRFT WR 1-1/16 OE
10813	1/2 DR CRFT WR 1-1/8 OE
10814	1/2 DR CRFT WR 1-3/16 OE
10815	1/2 DR CRFT WR 1-1/4 OE
10816	1/2 DR CRFT WR 1-5/16 OE
10817	1/2 DR CRFT WR 1-3/8 OE
10818	1/2 DR CRFT WR 1-7/16 OE
10819	1/2 DR CRFT WR 1-1/2 OE
10820	1/2 DR CRFT WR 1-9/16 OE
10821	1/2 DR CRFT WR 1-5/8 OE
10822	1/2 DR CRFT WR 1-1/16 OE
10823	1/2 DR CRFT WR 1-3/4 OE
10824	1/2 DR CRFT WR 1-13/16 OE
10825	1/2 DR CRFT WR 1-7/8 OE
10826	1/2 DR CRFT WR 1-15/16 OE
10827	1/2 DR CRFT WR 2 OE
10828	1/2 DR CRFT WR 2-1/16 OE
10829	1/2 DR CRFT WR 2-1/8 OE
10830	1/2 DR CRFT WR 2-3/16 OE
10831	1/2 DR CRFT WR 2-1/4 OE
10832	1/2 DR CRFT WR 2-5/16 OE
10833	1/2 DR CRFT WR 2-3/8 OE
10834	1/2 DR CRFT WR 2-7/16 OE
10835	1/2 DR CRFT WR 2-1/2 OE
11212	Hi Pol-Combo Wr 12 Pt 3/8"
11214	Hi Pol-Combo Wr 12 Pt 7/16"
11216	Hi Pol-Combo Wr 12 Pt 1/2"
11218	Hi Pol-Combo Wr 12 Pt 9/16"
11220	Hi Pol-Combo Wr 12 Pt 5/8"
11222	Hi Pol-Combo Wr 12 Pt 11/16"
11224	Hi Pol-Combo Wr 12 Pt 3/4"
11226	Hi Pol-Combo Wr 12 Pt 13/16"
11228	Hi Pol-Combo Wr 12 Pt 7/8"
11230	Hi Pol-Combo Wr 12 Pt 15/16"
11232	Hi Pol-Combo Wr 12 Pt 1"
11312	Stubby Combo Wr 3/8"
11314	Stubby Combo Wr 7/16"
11316	Stubby Combo Wr 1/2"
11318	Stubby Combo Wr 9/16"
11320	Stubby Combo Wr 5/8"
11322	Stubby Combo Wr 11/16"
11324	Stubby Combo Wr 3/4"
11606	Hi Pol-Combo Wr 12 Pt 6MM
11607	Hi Pol-Combo Wr 12 Pt 7MM
11608	Hi Pol-Combo Wr 12 Pt 8MM
11609	Hi Pol-Combo Wr 12 Pt 9MM
11610	Hi Pol-Combo Wr 12 Pt 10MM
11611	Hi Pol-Combo Wr 12 Pt 11MM
11612	Hi Pol-Combo Wr 12 Pt 12MM
11613	Hi Pol-Combo Wr 12 Pt 13MM
11614	Hi Pol-Combo Wr 12 Pt 14MM
11615	Hi Pol-Combo Wr 12 Pt 15MM
11616	Hi Pol-Combo Wr 12 Pt 16MM
11617	Hi Pol-Combo Wr 12 Pt 17MM
11618	Hi Pol-Combo Wr 12 Pt 18MM
11619	Hi Pol-Combo Wr 12 Pt 19MM
11710	Stubby Combo Wr 10MM
11712	Stubby Combo Wr 12MM
11713	Stubby Combo Wr 13MM
11714	Stubby Combo Wr 14MM
11715	Stubby Combo Wr 15MM
11717	Stubby Combo Wr 17MM
11718	Stubby Combo Wr 18MM
13213	Bl End Hex Key Lg 13-pc
13609	Bl End Hex KeyLgMet13-pc
20542	8 Oz BP Fbrgls Handle Hammer
20544	16oz Bl PN FG Hdle Hmr
23092	2 Pcs Retaining Ring Pliers Set
23101	6-1/4 Sl Jt Pl
23102	8" Slip Joint Plier
23105	9-3/4" Groove-Joint Plier
23301	CrvJaw wire Ctr LckPl 5
23302	CrvJaw wire Ctr LckPl 7
23305	Str Jaw LckPl 10
23309	Long Locking Pliers /w Cutter 6"
23310	Lg Ns wire Ctr LckPls 9
23403	8" Linesman Plier
23407	7" Hvy Duty Diagonal Cutting
23411	8" Long Nose
24102	Offset Slotted Screwdrr - 1/4
24104	Offset Phillips # 1 X # 2
24203A	Screwdrr 3/16X1-1/2" Round Slotted
24205A	Screwdrr 3/16X4" Round Slotted
24217A	Screwdrr 1/4X1-1/2" Round Slotted
24219A	Screwdrr 1/4X4" Round Slotted
24237A	Screwdrr 5/16X6" Round Slotted
24241A	Screwdrr 3/8X8" Round Slotted
24247A	Screwdrr #1 X 1-1/2 Phillips®
24249A	Screwdrr #1 X 3 Phillips®
24251A	Screwdrr #2 X 1-1/2 Phillips®
24253A	Screwdrr #2 X 4 Phillips®
24257A	Screwdrr #2 X 8 Phillips®
24259A	Screwdrr #3 X 6 Phillips®
24263A	Screwdrr Torx® #T10 X 4
24265A	Screwdrr Torx® #T15 X 4
24267A	Screwdrr Torx® #T20 X 4
24269A	Screwdrr Torx® #T25 X 4
24271A	Screwdrr Torx® #T27 X 4
24273A	Screwdrr Torx® #T30 X 4
24401	Nutdrr 3/16 X 3" Cushion Grip
24403	Nutdrr 1/4 X 3" Cushion Grip
24405	Nutdrr 5/16 X 3" Cushion Grip
24407	Nutdrr 11/32 X 3" Cushion Grip
24409	Nutdrr 3/8 X 3" Cushion Grip
24411	Nutdrr 7/16 X 3" Cushion Grip
24413	Nutdrr 1/2 X 3" Cushion Grip
24451	Nutdrrs, MM-4
24452	Nutdrrs, MM-5
24453	Nutdrrs, MM-5.5
24454	Nutdrrs, MM-6
24455	Nutdrrs, MM-7
24456	Nutdrrs, MM-8
24457	Nutdrrs, MM-9
24458	Nutdrrs, MM-10
24459	Nutdrrs, MM-11
24460	Nutdrrs, MM-12
24461	Nutdrrs, MM-13
24462	Nutdrrs, MM-14
28201	Aviation Snips Left Cut
28203	Aviation Snips Right Cut
28205	Aviation Snips Straight Cut
30206	1/4" Dr Std Skt 12-Pt 3/16"
30207	1/4" Dr Std Skt 12-Pt 7/32"
30208	1/4" Dr Std Skt 12-Pt 1/4"
30209	1/4" Dr Std Skt 12-Pt 9/32"
30210	1/4" Dr Std Skt 12-Pt 5/16"
30211	1/4" Dr Std Skt 12-Pt 11/32"
30212	1/4" Dr Std Skt 12-Pt 3/8"
30214	1/4" Dr Std Skt 12-Pt 7/16"
30216	1/4" Dr Std Skt 12-Pt 1/2"
30218	1/4" Dr Std Skt 12-Pt 9/16"
30406	1/4" Dr Dp Skt 12-Pt 3/16"
30407	1/4" Dr Dp Skt 12-Pt 7/32"
30408	1/4" Dr Dp Skt 12-Pt 1/4"
30409	1/4" Dr Dp Skt 12-Pt 9/32"
30410	1/4" Dr Dp Skt 12-Pt 5/16"
30411	1/4" Dr Dp Skt 12-Pt 11/32"
30412	1/4" Dr Dp Skt 12-Pt 3/8"
30414	1/4" Dr Dp Skt 12-Pt 7/16"
30416	1/4" Dr Dp Skt 12-Pt 1/2"
30418	1/4" Dr Dp Skt 12-Pt 9/16"
30504	1/4" Dr Std Skt 6-Pt 4MM
30505	1/4" Dr Std Skt 6-Pt 5MM
30506	1/4" Dr Std Skt 6-Pt 6MM
30507	1/4" Dr Std Skt 6-Pt 7MM
30508	1/4" Dr Std Skt 6-Pt 8MM
30509	1/4" Dr Std Skt 6-Pt 9MM
30510	1/4" Dr Std Skt 6-Pt 10MM
30511	1/4" Dr Std Skt 6-Pt 11MM
30512	1/4" Dr Std Skt 6-Pt 12MM
30513	1/4" Dr Std Skt 6-Pt 13MM
30514	1/4" Dr Std Skt 6-Pt 14MM
30599	1/4" Dr Std Skt 6-Pt 5.5MM
30704	1/4" Dr Dp Skt 6-Pt 4MM
30705	1/4" Dr Dp Skt 6-Pt 5MM
30706	1/4" Dr Dp Skt 6-Pt 6MM
30707	1/4" Dr Dp Skt 6-Pt 7MM
30708	1/4" Dr Dp Skt 6-Pt 8MM
30709	1/4" Dr Dp Skt 6-Pt 9MM
30710	1/4" Dr Dp Skt 6-Pt 10MM
30711	1/4" Dr Dp Skt 6-Pt 11MM
30712	1/4" Dr Dp Skt 6-Pt 12MM
30713	1/4" Dr Dp Skt 6-Pt 13MM
30714	1/4" Dr Dp Skt 6-Pt 14MM
30755	1/4" Dr Dp Skt 6-Pt 5.5MM
31208	3/8" Dr Std Skt 12-Pt 1/4"
31210	3/8" Dr Std Skt 12-Pt 5/16"
31212	3/8" Dr Std Skt 12 Pt 3/8"
31214	3/8" Dr Std Skt 12-Pt 7/16"
31216	3/8" Dr Std Skt 12-Pt 1/2"
31218	3/8" Dr Std Skt 12-Pt 9/16"
31220	3/8" Dr Std Skt 12-Pt 5/8"
31222	3/8" Dr Std Skt 12-Pt 11/16"
31224	3/8" Dr Std Skt 12-Pt 3/4"
31226	3/8" Dr Std Skt 12-Pt 13/16"
31228	3/8" Dr Std Skt 12-Pt 7/8"
31230	3/8" Dr Std Skt 12-Pt 15/16"
31232	3/8" Dr Std Skt 12-Pt 1"
31301	3/8" Dr Spark Plug Skt 5/8"
31303	3/8" Dr Spark Plug Skt 13/16"
31606	3/8" Dr Std Skt 12-Pt 6MM
31607	3/8" Dr Std Skt 12-Pt 7MM
31608	3/8" Dr Std Skt 12-Pt 8MM
31609	3/8" Dr Std Skt 12-Pt 9MM
31610	3/8" Dr Std Skt 12-Pt 10MM
31611	3/8" Dr Std Skt 12-Pt 11MM
31612	3/8" Dr Std Skt 12-Pt 12MM
31613	3/8" Dr Std Skt 12-Pt 13MM
31614	3/8" Dr Std Skt 12-Pt 14MM
31615	3/8" Dr Std Skt 12-Pt 15MM
31616	3/8" Dr Std Skt 12-Pt 16MM
31617	3/8" Dr Std Skt 12-Pt 17MM
31618	3/8" Dr Std Skt 12-Pt 18MM
31619	3/8" Dr Std Skt 12-Pt 19MM
31925	3/8" Dr Std Sck Set 12-Pt 13 Pcs
31943	3/8" Dr Std Sck Set 12-Pt 14 Pcs
32412	1/2" Dr Dp Skt 12-Pt 3/8"
32414	1/2" Dr Dp Skt 12-Pt 7/16"
32416	1/2" Dr Dp Skt 12-Pt 1/2"
32418	1/2" Dr Dp Skt 12-Pt 9/16"
32420	1/2" Dr Dp Skt 12-Pt 5/8"
32422	1/2" Dr Dp Skt 12-Pt 11/16"
32424	1/2" Dr Dp Skt 12-Pt 3/4"
32426	1/2" Dr Dp Skt 12-Pt 13/16"
32428	1/2" Dr Dp Skt 12-Pt 7/8"
32430	1/2" Dr Dp Skt 12-Pt 15/16"
32432	1/2" Dr Dp Skt 12-Pt 1"
32434	1/2" Dr Dp Skt 12-Pt 1-1/16"
32436	1/2" Dr Dp Skt 12-Pt 1-1/8"
32438	1/2" Dr Dp Skt 12-Pt 1-3/16"
32440	1/2" Dr Dp Skt 12-Pt 1-1/4"
32448	1/2" Dr Dp Skt 12-Pt 1-1/2"
32610	1/2" Dr Std Skt 12-Pt 10MM
32611	1/2" Dr Std Skt 12-Pt 11MM
32612	1/2" Dr Std Skt 12-Pt 12MM
32613	1/2" Dr Std Skt 12-Pt 13MM
32614	1/2" Dr Std Skt 12-Pt 14MM
32615	1/2" Dr Std Skt 12-Pt 15MM
32616	1/2" Dr Std Skt 12-Pt 16MM
32617	1/2" Dr Std Skt 12-Pt 17MM
32618	1/2" Dr Std Skt 12-Pt 18MM
32619	1/2" Dr Std Skt 12-Pt 19MM
32809	1/2" Dr Dp Skt 12-Pt 9MM
32810	1/2" Dr Dp Skt 12-Pt 10MM
32811	1/2" Dr Dp Skt 12-Pt 11MM
32812	1/2" Dr Dp Skt 12-Pt 12MM
32813	1/2" Dr Dp Skt 12-Pt 13MM
32814	1/2" Dr Dp Skt 12-Pt 14MM
32815	1/2" Dr Dp Skt 12-Pt 15MM
32816	1/2" Dr Dp Skt 12-Pt 16MM
32817	1/2" Dr Dp Skt 12-Pt 17MM
32818	1/2" Dr Dp Skt 12-Pt 18MM
32819	1/2" Dr Dp Skt 12-Pt 19MM
32820	1/2" Dr Dp Skt 12-Pt 20MM
32821	1/2" Dr Dp Skt 12-Pt 21MM
32822	1/2" Dr Dp Skt 12-Pt 22MM
32823	1/2" Dr Dp Skt 12-Pt 23MM
32824	1/2" Dr Dp Skt 12-Pt 24MM
32928	1/2" Dr Dp Skt Set 12-Pt 16 Pcs
35100	3/8" Dr Hex Bit Skt 1/8"
35101	3/8" Dr Hex Bit Skt 9/64"
35102	3/8" Dr Hex Bit Skt 5/32"
35103	3/8" Dr Hex Bit Skt 3/16"
35104	3/8" Dr Hex Bit Skt 7/32"
35105	3/8" Dr Hex Bit Skt 1/4"
35106	3/8" Dr Hex Bit Skt 5/16"
35107	3/8" Dr Hex Bit Skt 3/8"
35140	3/8" Dr Slotted Skt 1/4"
35141	3/8" Dr Slotted Skt 5/16"
35142	3/8" Dr Slotted Skt 3/8"
35143	3/8" Dr Slotted Skt 3/16"
35150	3/8" Dr Phillips® Skt #1"
35151	3/8" Dr Phillips® Skt #2"
35152	3/8" Dr Phillips® Skt #3"
35170	3/8 Dr Hex Bit Skt 4MM
35171	3/8 Dr Hex Bit Skt 5MM
35172	3/8 Dr Hex Bit Skt 6MM
35173	3/8 Dr Hex Bit Skt 7MM
35174	3/8 Dr Hex Bit Skt 8MM
35175	3/8 Dr Hex Bit Skt 9MM
35176	3/8 Dr Hex Bit Skt 10MM
35182	3/8" Dr Torx Bit Skt T25
35183	3/8" Dr Torx Bit Skt T27
35184	3/8" Dr Torx Bit Skt T30
35185	3/8" Dr Torx Bit Skt T40
35186	3/8" Dr Torx Bit Skt T45
35187	3/8" Dr Torx Bit Skt T47
35188	3/8" Dr Torx Bit Skt T50
36108	3/8" Dr Std Imp Skt 6-Pt 1/4"
36110	3/8" Dr Std Imp Skt 6-Pt 5/16"
36112	3/8" Dr Std Imp Skt 6-Pt 3/8"
36114	3/8" Dr Std Imp Skt 6-Pt 7/16"
36116	3/8" Dr Std Imp Skt 6-Pt 1/2"
36118	3/8" Dr Std Imp Skt 6-Pt 9/16"
36120	3/8" Dr Std Imp Skt 6-Pt 5/8"
36122	3/8" Dr Std Imp Skt 6-Pt 11/16"
36124	3/8" Dr Std Imp Skt 6-Pt 3/4"
36308	3/8" Dr Dp Imp Skt 6-Pt 1/4"

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Contents: Monster Set WSMSC-595TB (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
36310	3/8" Dr Dp Imp Skt 6-Pt 5/16"	37518	1/2" Dr Std Imp Skt 6-Pt 18M	13406A	Chr Adj WRes 6	PC-17	17-Pcs Punch & Chisel Set
36312	3/8" Dr Dp Imp Skt 6-Pt 3/8"	37519	1/2" Dr Std Imp Skt 6-Pt 19M	13408A	Chr Adj WRes 8	PL-167	End Cutting Nippers 7-1/2"
36314	3/8" Dr Dp Imp Skt 6-Pt 7/16"	37710	1/2" Dr Dp Imp Skt 6-Pt 10MM	13410A	Chr Adj WRes 10	SB-59/S15-1	Bit Magazine 15 Pcss
36316	3/8" Dr Dp Imp Skt 6-Pt 1/2"	37711	1/2" Dr Dp Imp Skt 6-Pt 11MM	13412A	Chr Adj WRes 12	SB-59/S15-3	Bit Magazine 15 Pcss
36318	3/8" Dr Dp Imp Skt 6-Pt 9/16"	37712	1/2" Dr Dp Imp Skt 6-Pt 12MM	1725B	Op End Wrench 1/2 X 9/16"	W55TC10	55" 10 DRAWER TOP CHEST RED
36320	3/8" Dr Dp Imp Skt 6-Pt 5/8"	37713	1/2" Dr Dp Imp Skt 6-Pt 13MM	1729B	Op End Wrench 11/16 X 3/4"	W55RC11	55" 11 DRAWER ROLL CAB RED
36322	3/8" Dr Dp Imp Skt 6-Pt 11/16"	37714	1/2" Dr Dp Imp Skt 6-Pt 14MM	1731B	Op End Wrench 13/16 X 7/8"		
36324	3/8" Dr Dp Imp Skt 6-Pt 3/4"	37715	1/2" Dr Dp Imp Skt 6-Pt 15MM	225-S	Hacksaw Frame		
37510	1/2" Dr Std Imp Skt 6-Pt 10M	37716	1/2" Dr Dp Imp Skt 6-Pt 16MM	BE-8577	Screwdrr Bit Holder - 1/4" Hex		
37511	1/2" Dr Std Imp Skt 6-Pt 11M	37717	1/2" Dr Dp Imp Skt 6-Pt 17MM	C-718	RlBr 5/8 StSz 18		
37512	1/2" Dr Std Imp Skt 6-Pt 12M	37718	1/2" Dr Dp Imp Skt 6-Pt 18MM	C-80	Pinch Bar 5/8" Flat 14"		
37513	1/2" Dr Std Imp Skt 6-Pt 13M	37719	1/2" Dr Dp Imp Skt 6-Pt 19MM	C-807	Pry Bars - Screwdrr Type		
37514	1/2" Dr Std Imp Skt 6-Pt 14M	40052	QckBl Ut Knife5pk 025	C-812	Pry Bars - Screwdrr Type		
37515	1/2" Dr Std Imp Skt 6-Pt 15M	50607	79 Pcs 3/8" Dr Deluxe Tool Set	HSF-8SET	8 Pcs Soft Face Hammer Set		
37516	1/2" Dr Std Imp Skt 6-Pt 16M	50668	23Pc 1/2"Dr. Sae Skt Set	MTB-3-16-M-E	Tape Measure 5/8 X 12		
37517	1/2" Dr Std Imp Skt 6-Pt 17M	50672	27 Pc 1/4 Dr 12 Pt Compact Set	MWS-26	Op End Wr Set 6-Pcs		

Contents: Master Maintenance Service Set WSC-352TB

Refer to Master Sets Section Page 28 for Photo and Description

Note: WSC-352 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1020	OE WR 1/4x5/16	14-630	1/2Dr DpImSkt6pt15/16	4-636	1/2Dr ImSkt6pt 1-1/8	BD-1224	3/8Dr Dp Skt12pt 3/4
1027B	OE WR 5/8x11/16	14-632	1/2Dr DpImSkt6pt 1	471	Adj Hk Spr 3/4 To 2	BD-1226	3/8Dr Dp Skt12pt13/16
1033A	OE WR 7/8x15/16	14-634	1/2Dr DpImSkt6pt 1-1/16	472	Adj Hk Spr 1-1/4 To 3	BD-1228	3/8Dr Dp Skt12pt 7/8
1033C	OE WR 15/16x1	14-636	1/2Dr DpImSkt6pt 1-1/8	474	Adj Hk Spr 2 To 4-3/4	BD-1230	3/8Dr Dp Skt12pt 5/16
1037	OE WR 1-1/16x1-1/4	1723	OE WR 5/16x3/8	474A	Adj Hk Spr 4-1/2 To 6-1/4	BD-1232	3/8Dr Dp Skt12pt 1
1037B	OE WR 1-1/8x1-3/16	1725B	OE WR 1/2x9/16	482	Adj Face Spr 2	BD-808	3/8Dr Skt 8-Pt 1/4
1038	OE WR 1-1/4x1-5/16	1731	OE WR 3/4x13/16	483	Adj Face Spr 3	BD-810	3/8Dr Skt 8-Pt 5/16
1-100-04-3-2	4 Hd SM File w/PlHdl	20546	Bl PN Hmr 2 Lb	484	Adj Face Spr 4	BD-812	3/8Dr Skt 8-Pt 3/8
1-111-04-3-2	4 WRD SM File w/PlHdl	20651	CrPN Hmr 3 Lb	625	Scraper	BD-814	3/8Dr Skt 8-Pt 7/16
1-160-04-3-2	4 SQ SM File w/PlHdl	23303	Curv Lock Pls W/Ctr10	6-4A	3/4Dr Im ADpr 3/4 F 1	BD-816	3/8Dr Skt 8-Pt 1/2
1-170-04-3-2	4 3 SQ SM File w/PlHdl	23303	Crv Lock Pls 10	7029B	BxWR 12pt 11/16x3/4	BFE-8	3/8Dr Flible Ext 8
1-210-04-3-2	4 1/2RD SM File w/PlHdl	23310	Lg Lock Pls W/Ctr 9	7033C	BxWR 12pt 15/16x1	BU-1212	3/8Dr U-Skt12pt 3
1-230-04-3-2	4 RD SM File w/PlHdl	23320	Cl Lock Pls Reg Tip 6	7038	BxWR 12pt1-1/8x1-3/16	BU-1214	3/8Dr U-Skt12pt 7
11312	Midget Comb WR 12pt 3/8	23321	Cl Lock Pls Reg Tip 11	7039B	BxWR 12pt1-1/4x1-5/16	BU-1216	3/8Dr U-Skt12pt 1
11314	Midget Comb WR12pt 7/16	23403	SideCut SlJt Pls 7-1/2	7723	BxWR 12pt 3/8x7/16	BU-1218	3/8Dr U-Skt12pt 9
11316	Midget Comb WR12pt 1/2	23503	Wire Stripper / Crimer	7725B	BxWR 12pt 1/2x9/16	BU-1220	3/8Dr U-Skt12pt 5
11318	Midget Comb WR 12pt 9/16	24401	3/16x3 Ntdrv Csh Gr	7727A	BxWR 12pt 5/8x11/16	BU-1222	3/8Dr U-Skt12pt 1
11320	Midget Comb WR 12pt 5/8	24403	1/4x3 Ntdrv Csh Gr	7731B	BxWR 12pt 13/16x7/8	BU-1224	3/8Dr U-Skt12pt 3
11322	Midget Comb WR12pt 11/16	24405	5/16x3 Ntdrv Csh Gr	B-108	3/8Dr Ext 3	C-12	Cd Chs 3/8
11324	Midget Comb WR12pt 3/4	24407	11/32x3 Ntdrv Csh Gr	B-110	3/8Dr Ext 6	C-15	Cd Chs 7/16
1212SC	Comb WR 12pt 3/8	24409	3/8x3 Ntdrv Csh Gr	B-115	3/8Dr Ext 10 1/2	C-20	Cd Chs 5/8
1214SC	Comb WR 12pt 7/16	24411	7/16x3 Ntdrv Csh Gr	B-1208	3/8Dr Skt12pt 1/4	C-24	Cd Chs 3/4
1216SC	Comb WR 12pt 1/2	24413	1/2x3 Ntdrv Csh Gr	B-1210	3/8Dr Skt12pt 5/16	C-83	Pch Bar 7/8 Flat 19-5/8
1218SC	Comb WR 12pt 9/16	2-4A	3/8Dr Im ADptr3/8F 1/2M	B-1211	3/8Dr Skt12pt 11/32	C-84	Pch Bar 1 Flat 29 3/4
1220SC	Comb WR 12pt 5/8	2-610	3/8Dr ImSkt6pt 5/16	B-1212	3/8Dr Skt12pt 3/8	CC-402C	C-Cl Cpr Screw 2
1222SC	Comb WR 12pt 11/16	2-612	3/8Dr ImSkt6pt 3/8	B-1214	3/8Dr Skt12pt 7/16	CC-404C	C-Cl Cpr Screw 4
1224SC	Comb WR 12pt 3/4	2-614	3/8Dr ImSkt6pt 7/16	B-1216	3/8Dr Skt12pt 1/2	CW-4	Chain WR
1226SC	Comb WR 12pt 13/16	2-616	3/8Dr ImSkt6pt 1/2	B-1218	3/8Dr Skt12pt 9/16	GS-1	Master Feeler Gauge Set
1228SC	Comb WR 12pt 7/8	2-618	3/8Dr ImSkt6pt 9/16	B-1220	3/8Dr Skt12pt 5/8	GS-3	Comb Feeler Gauge Set
1230SC	Comb WR 12pt 15/16	2-620	3/8Dr ImSkt6pt 5/8	B-1222	3/8Dr Skt12pt 11/16	GSC-12	GsktScpr-8-3/4x1 1/2
1232SC	Comb WR 12pt 1	2-622	3/8Dr ImSkt6pt 11/16	B-1224	3/8Dr Skt12pt 3/4	H-110	3/4Dr Ext 8
1234SC	Comb WR 12pt 1 1/16	2-624	3/8Dr ImSkt6pt 3/4	B-1226	3/8Dr Skt12pt 13/16	H-115	3/4Dr Ext 15 1/2
1236SC	Comb WR 12pt 1 1/8	2744	Multi Purpose Shear	B-1228	3/8Dr Skt12pt 7/8	H-1248	3/4Dr Skt12pt 1-1/2
1238SC	Comb WR 12pt 1 3/16	28201	Metal Shear Left	B-1230	3/8Dr Dp Skt12pt 5/16	H-1252	3/4Dr Skt12pt 1-5/8
1240SC	Comb WR 12pt 1 1/4	28203	Metal Shear Right	B-1232	3/8Dr Dp Skt12pt 1	H-1258	3/4Dr Skt12pt 1-13/16
1242	Comb WR 12pt 1 5/16	28205	Metal Shear Str	B-140A	3/8Dr U-Joint	H-1260	3/4Dr Skt12pt 1-7/8
1244	Comb WR 12pt 1 3/8	28449	Pch / Chs Holder	B-15	3/8Dr Speeder	H-1264	3/4Dr Skt12pt 2
1246	Comb WR 12pt 1 7/16	325	Hksw Frame	B-20A	3/8Dr Sliding T Hdle	H-1270	3/4Dr Skt12pt 2-3/16
1248	Comb WR 12pt 1 1/2	3832-22	Carbide Holesaw 7/8	B-40A	3/8Dr FlHdl	H-1272	3/4Dr Skt12pt 2-1/4
12-610	3/8Dr DpImSkt6pt 5/16	3832-25	Carbide Holesaw 1	B-52EHA	3/8Dr Encl Hd Rat8	H-1276	3/4Dr Skt12pt 2-3/8
12-612	3/8Dr DpImSkt6pt 3/8	3832-29	Carbide Holesaw 1 1/8	B-52EHLA	3/8Dr Encl Hd Rat 10-3/4	H-41AA	3/4Dr FlHdl Chr
12-614	3/8Dr DpImSkt6pt 7/16	3832-32	Carbide Holesaw 1 1-4	B-70	3/8Dr Ratchet Spinner	H-51AB1	3/4Dr Ratchet
12-616	3/8Dr DpImSkt6pt 1/2	3832-38	Carbide Holesaw 1 1/2	BA-10A	3/8Dr HexBtSkt 5/16	HBP-2-0A	Bl PN Hmr 12oz
12-618	3/8Dr DpImSkt6pt 9/16	3834-ADP	Holesaw Adp	BA-12A	3/8Dr HexBtSkt 3/8	HBP-2A	Bl PN Hmr 1-1/2 Lb
12-620	3/8Dr DpImSkt6pt 5/8	3834-ARBR-730	Arbor	BA-4A	3/8Dr HexBtSkt 1/8	HK-050	L-Type Hex Key 050
12-622	3/8Dr DpImSkt6pt 11/16	4-2F	1/2Dr Im ADpr1/2 F 3/8	BA-5A	3/8Dr HexBtSkt 5/32	HK-1/16	L-Type Hex Key 1/16
12-624	3/8Dr DpImSkt6pt 3/4	4-6	1/2Dr Im ADpr1/2 F 3/4	BA-6A	3/8Dr HexBtSkt 3/16	HK-1/4	L-Type Hex Key 1/4
13408A	Adj WR 8 Chr	4-616	1/2Dr ImSkt6pt 1/2	BA-7A	3/8Dr HexBtSkt 7/32	HK-1/8	L-Type Hex Key 1/8
13415A	Adj WR 15 Chr	4-618	1/2Dr ImSkt6pt 9/16	BA-8A	3/8Dr HexBtSkt 1/4	HK-3/16	L-Type Hex Key 3/16
13424A	Adj WR 24 Chr	4-620	1/2Dr ImSkt6pt 5/8	BD-1208	3/8Dr Dp Skt12pt 1/4	HK-3/32	L-Type Hex Key 3/32
14-616	1/2Dr DpImSkt6pt 1/2	4-622	1/2Dr ImSkt6pt 11/16	BD-1210	3/8Dr Dp Skt12pt 5/16	HK-3/8	L-Type Hex Key 3/8
14-618	1/2Dr DpImSkt6pt 9/16	4-624	1/2Dr ImSkt6pt 3/4	BD-1212	3/8Dr Dp Skt12pt 3/8	HK-5/32	L-Type Hex Key 5/32
14-620	1/2Dr DpImSkt6pt 5/8	4-626	1/2Dr ImSkt6pt 13/16	BD-1214	3/8Dr Dp Skt12pt 7/16	HK-5/64	L-Type Hex Key 5/64
14-622	1/2Dr DpImSkt6pt11/16	4-628	1/2Dr ImSkt6pt 7/8	BD-1216	3/8Dr Dp Skt12pt 1/2	HK-7/32	L-Type Hex Key 7/32
14-624	1/2Dr DpImSkt6pt 3/4	4-630	1/2Dr ImSkt6pt 15/16	BD-1218	3/8Dr Dp Skt12pt 9/16	HK-7/64	L-Type Hex Key 7/64
14-626	1/2Dr DpImSkt6pt13/16	4-632	1/2Dr ImSkt6pt 1	BD-1220	3/8Dr Dp Skt12pt 5/8	HK-9/64	L-Type Hex Key 9/64
14-628	1/2Dr DpImSkt6pt 7/8	4-634	1/2Dr ImSkt6pt 7/8	BD-1222	3/8Dr Dp Skt12pt11/16	HSB-1.5A	Brass Hmr 1-1/2 Lb

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Master Maintenance Service Set WSC-352TB (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
JHW-24	Deadblow Hmr 24oz	P-39	Centerpch5/16PT4-1/4	SA-20A	1/2Dr HexBtSkt 5/8	ST-1230	1/2Dr Skt12pt 15/16
JHW-48	Deadblow Hmr 48oz	P-4	Pinpch 1/8 PT 4-3/4	SD-1216	1/2Dr Dp Skt12pt 9/16	ST-1232	1/2Dr Skt12pt 1
M-102	1/4Dr Ext 2	P-40	Centerpch 3/8 PT 5	SD-1218	1/2Dr Dp Skt12pt 5/8	ST-1234	1/2Dr Skt12pt 1-1/16
M-104	1/4Dr Ext 4	P-5	Pinpch 5/32 PT 5	SD-1220	1/2Dr Dp Skt12pt 11/16	ST-1236	1/2Dr Skt12pt 1-1/8
M-106A	1/4Dr Spinner Hdle	P-6	Pinpch 3/16 PT 5-1/4	SD-1222	1/2Dr Dp Skt12pt 3/4	ST-1238	1/2Dr Skt12pt 1-3/16
M-115	1/4Dr Ext 6	P-8	Pinpch 1/4 PT 5-3/4	SD-1224	1/2Dr Dp Skt12pt 25/3	ST-1240	1/2Dr Skt12pt 1-1/4
M-1208	1/4Dr Skt12pt 1/4	PL-126C	Crv Chain Nose Pls6-1/4	SD-1226	1/2Dr Dp Skt12pt 13/1	ST-1242	1/2Dr Skt12pt 1-5/16
M-1210	1/4Dr Skt12pt 5/16	PL-149C	Duckbill Pls Sh Nose 8	SD-1228	1/2Dr Dp Skt12pt 7/8	ST-812	1/2Dr Skt 8-Pt 3/8
M-1211	1/4Dr Skt12pt 11/32	PL-1523C	Ut Superjoint Pls 12	SD-1230	1/2Dr Dp Skt12pt 15/16	ST-814	1/2Dr Skt 8-Pt 7/16
M-1212	1/4Dr Skt12pt 3/8	PL-1524C	Ut Superjoint Pls 16	SD-1232	1/2Dr Dp Skt12pt 1	ST-816	1/2Dr Skt 8-Pt 1/2
M-1214	1/4Dr Skt12pt 7/16	PL-47C	Diag Cut Pls Reg 7	SD-1234	1/2Dr Dp Skt12pt 1-1/16	ST-818	1/2Dr Skt 8-Pt 9/16
M-1216	1/4Dr Skt12pt 1/2	PL-529	Snap Rg Tip Set	SD-1236	1/2Dr Dp Skt12pt 1-1/8	ST-820	1/2Dr Skt 8-Pt 5/8
M-1218	1/4Dr Skt12pt 9/16	PL-57C	Diag Cut Pls Hi Lvrg	SDE-43	Scr Electr 3	ST-822	1/2Dr Skt 8-Pt 11/16
M-140A	1/4Dr U-Joint	PL-77C	Chn Nose PlsxL Nose 7-3/4	SDP-1-3	Scr Ph 1-Pt 3	ST-824	1/2Dr Skt 8-Pt 3/4
M-52EHA	1/4Dr Encl Hd Ratchet 5	RB-1214	RatBxWR 6pt 3/8x7/16	SDP-2-4	Scr Ph 2-Pt 4	ST-826	1/2Dr Skt 8-Pt 13/16
MD-1210	1/4Dr Dp Skt12pt 5/16	RB-1618	RatBxWR 6pt 1/2x9/16	SDP-2-8	Scr Ph 2-Pt	ST-828	1/2Dr Skt 8-Pt 7/8
MD-1211	1/4Dr Dp Skt12pt 11/3	RB-2022	RatBxWR 12pt 5/8x11/16	SDP-3-6	Scr Ph 3-Pt 6	ST-830	1/2Dr Skt 8-Pt 15/16
MD-1212	1/4Dr Dp Skt12pt 3/8	RB-2428	RatBxWR 12pt 3/4x7/8	SDR-22	Scr RD 3'	ST-832	1/2Dr Skt 8-Pt 1
MD-1214	1/4Dr Dp Skt12pt 7/16	RB-810	RatBxWR 6pt 1/4x5/116	SDR-24	Scr RD 4	TS50100	1/2Dr TurboSkt 1
MD-1216	1/4Dr Dp Skt12pt 1/2	S-102P	1/2Dr Ext 2	SDR-26	Scr RD 6	TS50750	1/2Dr TurboSkt 3/4
MD-1218	1/4Dr Dp Skt12pt 9/16	S-110P	1/2Dr Ext 5-1/2	SDR-28	Scr RD 8	TS50812	1/2Dr TurboSkt 13/16
O-471	Adj Pin Spr 3/4 To 2	S-115P	1/2Dr Ext 10	SDR-30	Scr RD 10	TS50875	1/2Dr TurboSkt 7/8
O-472	Adj Pin Spr 1-1/4 To 3	S-140A	1/2Dr U-Joint	ST-1212	1/2Dr Skt12pt 3/8	TS50937	1/2Dr TurboSkt 15/16
O-474	Adj Pin Spr 2 To 4-3/4	S-15A	1/2Dr Speeder 18-7/8	ST-1214	1/2Dr Skt12pt 7/16	W40RC7	40" Roll Cabinet
O-474A	Adj Pin Spr 4-1/2 - 6-1/4	S-20A	1/2Dr Sliding T Hdle	ST-1216	1/2Dr Skt12pt 1/2	W40TC4	40 Top Chest
P-10	Pinpch 5/16 PT 6	S-41AA	1/2Dr FlHdl 17	ST-1218	1/2Dr Skt12pt 9/16	WRS-1	Rat Scr
P-14	Sldpch 1/8 PT 5	S-52EHA	1/2Dr Encl Hd Rat 10 3/8	ST-1220	1/2Dr Skt12pt 5/8	XFN-0810	FL NUT WR 1/4x5/16
P-15	Sldpch 5/32 PT 5	SA-10A	1/2Dr HexBtSkt 5/16	ST-1222	1/2Dr Skt12pt 11/16	XFN-1214	FL NUT WR 3/8x7/16
P-16	Sldpch 3/16 PT 5	SA-12A	1/2Dr HexBtSkt 3/8	ST-1224	1/2Dr Skt12pt 3/4	XFN-1618	FL NUT WR 1/2x9/16
P-17	Sldpch 1/4' PT 5	SA-16A	1/2Dr HexBtSkt 1/2	ST-1226	1/2Dr Skt12pt 13/16	XFN-2022	FL NUT WR 5/8x11/16
P-18	Sldpch 3/8 PT 5	SA-18A	1/2Dr HexBtSkt 9/16	ST-1228	1/2Dr Skt12pt 7/8	XFN-2432	FL NUT WR 3/4x1

Contents: Petroleum Oilfield Service Set - WMSC-344TB

Refer to Master Sets Section Page 31 for Photo and Description

Note: WMSC-344 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1207MSC	Sc Combo Wr 12pt 7MM	14-620	1/2" Dr Deep Imp Skt 6-Pt 5/8"	2-624	3/8" Dr Std Imp Skt 6-Pt 3/4"	AB-8A	Adj. Wr 8" Black
1208MSC	Sc Combo Wr 12pt 8MM	14-622	1/2" Dr Deep Imp Skt 6-Pt 11/16"	2628 G-160	Side Cutting Combo Plier Ergo® 6-1/4"	B-101	3/8" Dr Extension 1 1/2"
1209MSC	Sc Combo Wr 12pt 9MM	14-624	1/2" Dr Deep Imp Skt 6-Pt 3/4"	35182	3/8" Dr Torx Bit Skt T25	B-108	3/8" Dr Extension 3"
1210MSC	Sc Combo Wr 12pt 10MM	14-626	1/2" Dr Deep Imp Skt 6-Pt 13/16"	35183	3/8" Dr Torx Bit Skt T27	B-110	3/8" Dr Extension 6"
1211MSC	Sc Combo Wr 12pt 11MM	14-628	1/2" Dr Deep Imp Skt 6-Pt 7/8"	35184	3/8" Dr Torx Bit Skt T30	B-115	3/8" Dr Extension 11"
1212MSC	Sc Combo Wr 12pt 12MM	14-630	1/2" Dr Deep Imp Skt 6-Pt 15/16"	35186	3/8" Dr Torx Bit Skt T45	B-118	3/8" Dr Extension 18"
1213MSC	Sc Combo Wr 12pt 13MM	14-632	1/2" Dr Deep Imp Skt 6-Pt 1"	35187	3/8" Dr Torx Bit Skt T47	B-1210	3/8" Dr Std Skt 12pt 5/16"
1214MSC	Sc Combo Wr 12pt 14MM	14-634	1/2" Dr Deep Imp Skt 6-Pt 1-1/16"	35188	3/8" Dr Torx Bit Skt T50	B-1212	3/8" Dr Std Skt 12pt 3/8"
1215MSC	Sc Combo Wr 12pt 15MM	14-636	1/2" Dr Deep Imp Skt 6-Pt 1-1/8"	38158	3/4" Dr Std Imp Skt 6-Pt 1-13/16"	B-1214	3/8" Dr Std Skt 12pt 7/16"
1216MSC	Sc Combo Wr 12pt 16MM	14-638	1/2" Dr Deep Imp Skt 6-Pt 1-3/16"	40000	1/4 X 6 Gasket Scraper	B-1216	3/8" Dr Std Skt 12pt 1/2"
1217MSC	Sc Combo Wr 12pt 17MM	14-640	1/2" Dr Deep Imp Skt 6-Pt 1-1/4"	40201	4 Pcs Mini Pick& Hook Set	B-1218	3/8" Dr Std Skt 12pt 9/16"
1218MSC	Sc Combo Wr 12pt 18MM	14-642	1/2" Dr Deep Imp Skt 6-Pt 1-5/16"	40251	4 Pcs Utility Tool Set	B-1220	3/8" Dr Std Skt 12pt 5/8"
1219MSC	Sc Combo Wr 12pt 19MM	14-644	1/2" Dr Deep Imp Skt 6-Pt 1-3/8"	4-612	1/2" Dr Std Imp Skt 6-Pt 3/8"	B-1222	3/8" Dr Std Skt 12pt 11/16"
1220MSC	Sc Combo Wr 12pt 20MM	14-646	1/2" Dr Deep Imp Skt 6-Pt 1-7/16"	4-614	1/2" Dr Std Imp Skt 6-Pt 7/16"	B-1224	3/8" Dr Std Skt 12pt 3/4"
1222MSC	Sc Combo Wr 12pt 22MM	14-648	1/2" Dr Deep Imp Skt 6-Pt 1-1/2"	4-616	1/2" Dr Std Imp Skt 6-Pt 1/2"	B-1226	3/8" Dr Std Skt 12pt 13/16"
1210SC	Sc Combo Wr 12pt 5/16"	14M-610	1/2" Dr Deep Imp Skt 6-Pt 10MM	4-618	1/2" Dr Std Imp Skt 6-Pt 9/16"	B-1228	3/8" Dr Std Skt 12pt 7/8"
1212SC	Sc Combo Wr 12pt 3/8"	14M-611	1/2" Dr Deep Imp Skt 6-Pt 11MM	4-620	1/2" Dr Std Imp Skt 6-Pt 5/8"	B-140A	3/8" Dr Uni Jt
1214SC	Sc Combo Wr 12pt 7/16"	14M-612	1/2" Dr Deep Imp Skt 6-Pt 12MM	4-622	1/2" Dr Std Imp Skt 6-Pt 11/16"	B-52EHA	3/8" Dr Enclosed Head Ratchet 8"
1216SC	Sc Combo Wr 12pt 1/2"	14M-613	1/2" Dr Deep Imp Skt 6-Pt 13MM	4-624	1/2" Dr Std Imp Skt 6-Pt 3/4"	B-52EHLA	3/8" Dr Enclosed Head Ratchet 10-3/4"
1218SC	Sc Combo Wr 12pt 9/16"	14M-614	1/2" Dr Deep Imp Skt 6-Pt 14MM	4-626	1/2" Dr Std Imp Skt 6-Pt 13/16"	BA-10A	3/8 Dr Hex Bit Skt 5/16"
1220SC	Sc Combo Wr 12pt 5/8"	14M-615	1/2" Dr Deep Imp Skt 6-Pt 15MM	4-628	1/2" Dr Std Imp Skt 6-Pt 7/8"	BA-12A	3/8 Dr Hex Bit Skt 3/8"
1222SC	Sc Combo Wr 12pt 11/16"	14M-616	1/2" Dr Deep Imp Skt 6-Pt 16MM	4-630	1/2" Dr Std Imp Skt 6-Pt 15/16"	BA-4A	3/8 Dr Hex Bit Skt 1/8"
1224SC	Sc Combo Wr 12pt 3/4"	14M-617	1/2" Dr Deep Imp Skt 6-Pt 17MM	4-632	1/2" Dr Std Imp Skt 6-Pt 1"	BA-5A	3/8 Dr Hex Bit Skt 5/32"
1226SC	Sc Combo Wr 12pt 13/16"	14M-618	1/2" Dr Deep Imp Skt 6-Pt 18MM	4-634	1/2" Dr Std Imp Skt 6-Pt 1-1/16"	BA-6A	3/8 Dr Hex Bit Skt 3/16"
1228SC	Sc Combo Wr 12pt 7/8"	14M-619	1/2" Dr Deep Imp Skt 6-Pt 19MM	4-636	1/2" Dr Std Imp Skt 6-Pt 1-1/8"	BA-7A	3/8 Dr Hex Bit Skt 7/32"
1230SC	Sc Combo Wr 12pt 15/16"	14M-620	1/2" Dr Deep Imp Skt 6-Pt 20MM	4-640	1/2" Dr Std Imp Skt 6-Pt 1-1/4"	BA-8A	3/8 Dr Hex Bit Skt 1/4"
1232SC	Sc Combo Wr 12pt 1"	14M-621	1/2" Dr Deep Imp Skt 6-Pt 21MM	4M-610	1/2" Dr Std Imp Skt 6-Pt 10M	BD-1208	3/8" Dr Deep Skt 12pt 1/4"
1234SC	Sc Combo Wr 12pt 1-1/16"	14M-622	1/2" Dr Deep Imp Skt 6-Pt 22MM	4M-611	1/2" Dr Std Imp Skt 6-Pt 11M	BD-1210	3/8" Dr Deep Skt 12pt 5/16"
1236SC	Sc Combo Wr 12pt 1-1/8"	14M-623	1/2" Dr Deep Imp Skt 6-Pt 23MM	4M-612	1/2" Dr Std Imp Skt 6-Pt 12M	BD-1212	3/8" Dr Deep Skt 12pt 3/8"
1240SC	Sc Combo Wr 12pt 1-1/4"	14M-624	1/2" Dr Deep Imp Skt 6-Pt 24MM	4M-613	1/2" Dr Std Imp Skt 6-Pt 13M	BD-1214	3/8" Dr Deep Skt 12pt 7/16"
12-610	3/8" Dr Deep Imp Skt 6-Pt 5/16"	14M-627	1/2" Dr Deep Imp Skt 6-Pt 27MM	4M-614	1/2" Dr Std Imp Skt 6-Pt 14M	BD-1216	3/8" Dr Deep Skt 12pt 1/2"
12-612	3/8" Dr Deep Imp Skt 6-Pt 3/8"	20678	32 Oz Drilling Hammer	4M-615	1/2" Dr Std Imp Skt 6-Pt 15M	BD-1218	3/8" Dr Deep Skt 12pt 9/16"
12-614	3/8" Dr Deep Imp Skt 6-Pt 7/16"	23203	10" Cft Grip Locking Pliers Curved Jaw	4M-616	1/2" Dr Std Imp Skt 6-Pt 16M	BD-1220	3/8" Dr Deep Skt 12pt 5/8"
12-616	3/8" Dr Deep Imp Skt 6-Pt 1/2"	23210	7" Cft Grip Locking Pliers Straight Jaw	4M-617	1/2" Dr Std Imp Skt 6-Pt 17M	BD-1222	3/8" Dr Deep Skt 12pt11/16"
12-618	3/8" Dr Deep Imp Skt 6-Pt 9/16"	23220	6" Cft Grip Locking Pliers Long Nose	4M-618	1/2" Dr Std Imp Skt 6-Pt 18M	BD-1224	3/8" Dr Deep Skt 12pt 3/4"
12-620	3/8" Dr Deep Imp Skt 6-Pt 5/8"	23503	Front End Strip-Cut/Crmp	4M-619	1/2" Dr Std Imp Skt 6-Pt 19M	BD-1226	3/8" Dr Deep Skt 12pt 13/16"
12-622	3/8" Dr Deep Imp Skt 6-Pt 11/16"	2-610	3/8" Dr Std Imp Skt 6-Pt 5/16"	4M-620	1/2" Dr Std Imp Skt 6-Pt 20M	BD-1228	3/8" Dr Deep Skt 12pt 7/8"
12-624	3/8" Dr Deep Imp Skt 6-Pt 3/4"	2-612	3/8" Dr Std Imp Skt 6-Pt 3/8"	4M-621	1/2" Dr Std Imp Skt 6-Pt 21M	BD-1230	3/8" Dr Deep Skt 12pt 5/16"
13508	18" Pipe Wr Aluminum Hvy-Duty	2-614	3/8" Dr Std Imp Skt 6-Pt 7/16"	4M-622	1/2" Dr Std Imp Skt 6-Pt 22M	BD-1232	3/8" Dr Deep Skt 12pt 1"
14-612	1/2" Dr Deep Imp Skt 6-Pt 3/8"	2-616	3/8" Dr Std Imp Skt 6-Pt 1/2"	4M-623	1/2" Dr Std Imp Skt 6-Pt 23M	BS-130B	3/8" Dr Adaptor 3/8 F X 1/2 M Black
14-614	1/2" Dr Deep Imp Skt 6-Pt 7/16"	2-618	3/8" Dr Std Imp Skt 6-Pt 9/16"	4M-624	1/2" Dr Std Imp Skt 6-Pt 24M	BU-1212	3/8" Dr Univ Skt 12pt 3/8"
14-616	1/2" Dr Deep Imp Skt 6-Pt 1/2"	2-620	3/8" Dr Std Imp Skt 6-Pt 5/8"	4M-627	1/2" Dr Std Imp Skt 6-Pt 27M	BU-1214	3/8" Dr Univ Skt 12pt 7/16"
14-618	1/2" Dr Deep Imp Skt 6-Pt 9/16"	2-622	3/8" Dr Std Imp Skt 6-Pt 11/16"	AB-12A	Adj. Wr 12" Black	BU-1216	3/8" Dr Univ Skt 12pt 1/2"

Contents: Petroleum Oilfield Service Set - WMSC-344TB (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
BU-1218	3/8" Dr Univ Skt 12pt 9/16"	PL-46C	Dia Cutting Pliers, Reg. 6"	SMD-1217	1/2" Dr Deep Skt 12pt 17MM	STM-1214	1/2" Dr Std Skt 12pt 14MM
BU-1220	3/8" Dr Univ Skt 12pt 5/8"	PL-76C	Chain Nose Pliers Long Nose 6-1/2"	SMD-1217	1/2" Dr Deep Skt 12pt 17MM	STM-1214	1/2" Dr Std Skt 12pt 14MM
BU-1222	3/8" Dr Univ Skt 12pt 11/16"	S-102P	1/2" Dr Extension 2"	SMD-1218	1/2" Dr Deep Skt 12pt 18MM	STM-1215	1/2" Dr Std Skt 12pt 15MM
BU-1224	3/8" Dr Univ Skt 12pt 3/4"	S-110P	1/2" Dr Extension 5"	SMD-1218	1/2" Dr Deep Skt 12pt 18MM	STM-1215	1/2" Dr Std Skt 12pt 15MM
C-10	Cold Chisel 5/16"	S-115P	1/2" Dr Extension 10"	SMD-1219	1/2" Dr Deep Skt 12pt 19MM	STM-1216	1/2" Dr Std Skt 12pt 16MM
C-16	Cold Chisel 1/2"	S-140A	1/2" Dr Uni Joint	SMD-1219	1/2" Dr Deep Skt 12pt 19MM	STM-1216	1/2" Dr Std Skt 12pt 16MM
C-24	Cold Chisel 3/4"	S-41AA	1/2" Dr Flex Hdl 15-1/2"	SMD-1221	1/2" Dr Deep Skt 12pt 21MM	STM-1217	1/2" Dr Std Skt 12pt 17MM
C-807	Pry Bars - Screwdrr Type	S-52EHA	1/2" Dr Enclosed Head Ratchet 10-3/8"	SMD-1221	1/2" Dr Deep Skt 12pt 21MM	STM-1217	1/2" Dr Std Skt 12pt 17MM
C-812	Pry Bars - Screwdrr Type	SDE-43	Screwdrr Electricians 3"	SMD-1222	1/2" Dr Deep Skt 12pt 22MM	STM-1218	1/2" Dr Std Skt 12pt 18MM
C-818	Pry Bars - Screwdrr Type	SDE-46	Screwdrr Electricians 6"	SMD-1222	1/2" Dr Deep Skt 12pt 22MM	STM-1218	1/2" Dr Std Skt 12pt 18MM
HBP-2A	Ball Pein HaMMer Ergo Hdl 1-1/2 Lb	SDP-1-3	Screwdrr Phillips® 1-Pt 3"	SMD-1224	1/2" Dr Deep Skt 12pt 24MM	STM-1219	1/2" Dr Std Skt 12pt 19MM
P-15	Solid Punch 5/32" Pt 5"	SDP-2-4	Screwdrr Phillips® 2-Pt 4"	SMD-1224	1/2" Dr Deep Skt 12pt 24MM	STM-1219	1/2" Dr Std Skt 12pt 19MM
P-4	Pin Punch 1/8" Pt. 4-3/4"	SDP-3-6	Screwdrr Phillips® 3-Pt 6"	SMD-1227	1/2" Dr Deep Skt 12pt 27MM	STM-1220	1/2" Dr Std Skt 12pt 20MM
P-40	Center Punch 3/8" Pt 5"	SDR-24	Screwdrr Round 4"	SMD-1227	1/2" Dr Deep Skt 12pt 27MM	STM-1220	1/2" Dr Std Skt 12pt 20MM
P-6	Pin Punch 3/16" Pt 5-1/4"	SDR-26	Screwdrr Round 6"	SMD-1230	1/2" Dr Deep Skt 12pt 30MM	STM-1221	1/2" Dr Std Skt 12pt 21MM
P-8	Pin Punch 1/4" Pt 5-3/4"	SDR-28	Screwdrr Round 8"	SMD-1230	1/2" Dr Deep Skt 12pt 30MM	STM-1221	1/2" Dr Std Skt 12pt 21MM
PL-1519C	Utility Superjoint Pliers 5"	SMD-1213	1/2" Dr Deep Skt 12pt 13MM	STM-1210	1/2" Dr Std Skt 12pt 10MM	STM-1222	1/2" Dr Std Skt 12pt 22MM
PL-1520C	Utility Superjoint Pliers 10"	SMD-1213	1/2" Dr Deep Skt 12pt 13MM	STM-1210	1/2" Dr Std Skt 12pt 10MM	STM-1222	1/2" Dr Std Skt 12pt 22MM
PL-1620	Snap Ring Pliers - 0°	SMD-1214	1/2" Dr Deep Skt 12pt 14MM	STM-1211	1/2" Dr Std Skt 12pt 11MM	STM-1223	1/2" Dr Std Skt 12pt 23MM
PL-1622	Snap Ring Pliers - 90°	SMD-1214	1/2" Dr Deep Skt 12pt 14MM	STM-1211	1/2" Dr Std Skt 12pt 11MM	STM-1223	1/2" Dr Std Skt 12pt 23MM
PL-1623	Snap Ring Pliers - 0°	SMD-1215	1/2" Dr Deep Skt 12pt 15MM	STM-1212	1/2" Dr Std Skt 12pt 12MM	STM-1224	1/2" Dr Std Skt 12pt 24MM
PL-1625	Snap Ring Pliers - 90°	SMD-1215	1/2" Dr Deep Skt 12pt 15MM	STM-1212	1/2" Dr Std Skt 12pt 12MM	STM-1224	1/2" Dr Std Skt 12pt 24MM
PL-1626	Snap Ring Pliers - 0°	SMD-1216	1/2" Dr Deep Skt 12pt 16MM	STM-1213	1/2" Dr Std Skt 12pt 13MM	W40RC7	40" 4 Drawer Pro Top Chest
PL-1628	Snap Ring Pliers - 90°	SMD-1216	1/2" Dr Deep Skt 12pt 16MM	STM-1213	1/2" Dr Std Skt 12pt 13MM	W40TC4	40" 7 Drawer Pro Roll Cab

Contents: Intermediate Technician Tool Set WSC-317TB

Refer to Master Sets Section Page 29 for Photo and Description

Note: WSC-317 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
10600	Flr Nut Wr 3/8 X 7/16"	1217MRC	Rtch Combo Wr 12Pt 17MM	31116	3/8" Dr Std Skt 6-Pt 1/2"	32422	1/2" Dr Dp Skt 12-Pt 11/16"
10602	Flr Nut Wr 1/2 X 9/16"	1218MRC	Rtch Combo Wr 12Pt 18MM	31118	3/8" Dr Std Skt 6-Pt 9/16"	32424	1/2" Dr Dp Skt 12-Pt 3/4"
10604	Flr Nut Wr 5/8 X 11/16"	1219MRC	Rtch Combo Wr 12Pt 19MM	31120	3/8" Dr Std Skt 6-Pt 5/8"	32426	1/2" Dr Dp Skt 12-Pt 13/16"
10606	Flr Nut Wr 3/4 X 7/8"	1210RC	Rtch Combo Wr 12Pt 5/16"	31122	3/8" Dr Std Skt 6-Pt 11/16"	32428	1/2" Dr Dp Skt 12-Pt 7/8"
10650	Flr Nut Wr 9MM X 11MM	1212RC	Rtch Combo Wr 12Pt 3/8"	31124	3/8" Dr Std Skt 6-Pt 3/4"	32430	1/2" Dr Dp Skt 12-Pt 15/16"
10652	Flr Nut Wr 10MM X 12MM	1214RC	Rtch Combo Wr 12Pt 7/16"	31301	3/8" Dr Spark Plug Skt 5/8"	32432	1/2" Dr Dp Skt 12-Pt 1"
10654	Flr Nut Wr 13MM X 14MM	1216RC	Rtch Combo Wr 12Pt 1/2"	31303	3/8" Dr Spark Plug Skt 13/16"	32609	1/2" Dr Std Skt 12-Pt 9MM
10656	Flr Nut Wr 15MM X 17MM	1218RC	Rtch Combo Wr 12Pt 9/16"	31408	3/8" Dr Dp Skt 12-Pt 1/4"	32610	1/2" Dr Std Skt 12-Pt 10MM
10658	Flr Nut Wr 19MM X 21MM	1220RC	Rtch Combo Wr 12Pt 5/8"	31410	3/8" Dr Dp Skt 12-Pt 5/16"	32611	1/2" Dr Std Skt 12-Pt 11MM
11108	Combo Wr 12 Pt 1/4"	1222RC	Rtch Combo Wr 12Pt 11/16"	31412	3/8" Dr Dp Skt 12-Pt 3/8"	32612	1/2" Dr Std Skt 12-Pt 12MM
11110	Combo Wr 12 Pt 5/16"	1224RC	Rtch Combo Wr 12Pt 3/4"	31414	3/8" Dr Dp Skt 12-Pt 7/16"	32613	1/2" Dr Std Skt 12-Pt 13MM
11112	Combo Wr 12 Pt 3/8"	13213	Ball End Hex Key Long 13 Piece	31416	3/8" Dr Dp Skt 12-Pt 1/2"	32614	1/2" Dr Std Skt 12-Pt 14MM
11114	Combo Wr 12 Pt 7/16"	13406A	Chrome Adj. Wr 6"	31418	3/8" Dr Dp Skt 12-Pt 9/16"	32615	1/2" Dr Std Skt 12-Pt 15MM
11116	Combo Wr 12 Pt 1/2"	13408A	Chrome Adj. Wr 8"	31420	3/8" Dr Dp Skt 12-Pt 5/8"	32616	1/2" Dr Std Skt 12-Pt 16MM
11118	Combo Wr 12 Pt 9/16"	13410A	Chrome Adj. Wr 10"	31422	3/8" Dr Dp Skt 12-Pt11/16"	32617	1/2" Dr Std Skt 12-Pt 17MM
11120	Combo Wr 12 Pt 5/8"	13520	10" Pipe Wr Cast Iron Heavy-Duty	31424	3/8" Dr Dp Skt 12-Pt 3/4"	32618	1/2" Dr Std Skt 12-Pt 18MM
11122	Combo Wr 12 Pt 11/16"	13609	Metric Ball Hex Key Long 9 Piece	31510	3/8" Dr Std Skt 6-Pt 10MM	32619	1/2" Dr Std Skt 12-Pt 19MM
11124	Combo Wr 12 Pt 3/4"	20543	2 Oz Ball Pein Hammer	31511	3/8" Dr Std Skt 6-Pt 11MM	32620	1/2" Dr Std Skt 12-Pt 20MM
11126	Combo Wr 12 Pt 13/16"	20545	24 Oz Ball Pein Hammer	31512	3/8" Dr Std Skt 6-Pt 12MM	32621	1/2" Dr Std Skt 12-Pt 21MM
11128	Combo Wr 12 Pt 7/8"	21661	18" Cft Grip Prybar	31513	3/8" Dr Std Skt 6-Pt 13MM	32622	1/2" Dr Std Skt 12-Pt 22MM
11130	Combo Wr 12 Pt 15/16"	21661	8" Cft Grip Prybar	31514	3/8" Dr Std Skt 6-Pt 14MM	32623	1/2" Dr Std Skt 12-Pt 23MM
11132	Combo Wr 12 Pt 1"	23102	8" Slip Joint Plier	31515	3/8" Dr Std Skt 6-Pt 15MM	32624	1/2" Dr Std Skt 12-Pt 24MM
11134	Combo Wr 12 Pt 1-1/16"	23105	9-3/4" Groove-Joint Plier	31516	3/8" Dr Std Skt 6-Pt 16MM	35081	1/4" Dr Torx Bit Skt T15
11136	Combo Wr 12 Pt 1-1/8"	23107	15-3/4" Groove-Joint Plier	31517	3/8" Dr Std Skt 6-Pt 17MM	35082	1/4" Dr Torx Bit Skt T20
11140	Combo Wr 12 Pt 1-1/4"	23201	5" Cft Grip Lck Pliers Curved Jaw	31810	3/8" Dr Dp Skt 12-Pt 10MM	35083	1/4" Dr Torx Bit Skt T25
1-143-08-1-2	Mill File ergo®8" Bastard Cut44 TPI	23202	7" Cft Grip Lck Pliers Curved Jaw	31811	3/8" Dr Dp Skt 12-Pt 11MM	35100	3/8" Dr Hex Bit Skt, 1/8"
1-210-08-2-2	Half Rd File ergo® 8" Second. 36 TPI	23211	10" Cft Grip Lck Pliers Straight Jaw	31812	3/8" Dr Dp Skt 12-Pt 12MM	35101	3/8" Dr Hex Bit Skt, 9/64
1-230-08-2-2	RD File ergo® 8" Second 36 TPI	23220	6" Cft Grip Lck Pliers Long Nose	31813	3/8" Dr Dp Skt 12-Pt 13MM	35102	3/8" Dr Hex Bit Skt, 5/32
4-186-06-2-2	Slim Taper File 6" ergo® Second	23407	7" Heavy Duty Diagonal Cutting	31814	3/8" Dr Dp Skt 12-Pt 14MM	35103	3/8" Dr Hex Bit Skt, 3/16
11506	Combo Wr 12 Pt 6MM	23411	8" Long Nose	31815	3/8" Dr Dp Skt 12-Pt 15MM	35104	3/8" Dr Hex Bit Skt, 7/32
11507	Combo Wr 12 Pt 7MM	24217A	Scr 1/4X1-1/2" RD Slotted	31816	3/8" Dr Dp Skt 12-Pt 16MM	35105	3/8" Dr Hex Bit Skt, 1/4
11508	Combo Wr 12 Pt 8MM	24219A	Scr 1/4X4" RD Slotted	31817	3/8" Dr Dp Skt 12-Pt 17MM	35106	3/8" Dr Hex Bit Skt, 5/16
11509	Combo Wr 12 Pt 9MM	24229A	Scr 1/4X6" RD Slotted	32001	1/2" Dr Ratchet 9-7/8"	35107	3/8" Dr Hex Bit Skt 3/8
11510	Combo Wr 12 Pt 10MM	24237A	Scr 5/16X6" RD Slotted	32002	1/2" Dr Ext 3"	35140	3/8" Dr Slotted Skt 1/4"
11511	Combo Wr 12 Pt 11MM	24241A	Scr 3/8X8" RD Slotted	32003	1/2" Dr Ext 6"	35141	3/8" Dr Slotted Skt 5/16"
11512	Combo Wr 12 Pt 12MM	24249A	Scr #1 X 3 Phillips®	32004	1/2" Dr Ext 10"	35142	3/8" Dr Slotted Skt 3/8"
11513	Combo Wr 12 Pt 13MM	24251A	Scr #2 X 1-1/2 Phillips®	32006	1/2" Dr Universal Joint	35143	3/8" Dr Slotted Skt 3/16"
11514	Combo Wr 12 Pt 14MM	24253A	Scr #2 X 4 Phillips®	32007	1/2" Dr Sliding T Handle	35150	3/8" Dr Phillips® Skt #1"
11515	Combo Wr 12 Pt 15MM	2502MRMH	3/8" Dr 30-250 In. Lb. Micro-Adj.	32212	1/2" Dr Std Skt 12-Pt 3/8"	35151	3/8" Dr Phillips® Skt #2"
11516	Combo Wr 12 Pt 16MM	2503MFRMH	1/2" Dr 30-250 Ft. Lb. Micro-Adj.	32214	1/2" Dr Std Skt 12-Pt 7/16"	35152	3/8" Dr Phillips® Skt #3"
11517	Combo Wr 12 Pt 17MM	30001	1/4" Dr Ratchet 5-1/4"	32216	1/2" Dr Std Skt 12-Pt 1/2"	35170	3/8 Dr Hex Bit Skt, 4 mm
11518	Combo Wr 12 Pt 18MM	30003	1/4" Dr Ext 1-1/2"	32218	1/2" Dr Std Skt 12-Pt 9/16"	35171	3/8 Dr Hex Bit Skt, 5 mm
11519	Combo Wr 12 Pt 19MM	30004	1/4" Dr Ext 6"	32220	1/2" Dr Std Skt 12-Pt 5/8"	35172	3/8 Dr Hex Bit Skt, 6 mm
11520	Combo Wr 12 Pt 20MM	30005	6 1/4" Dr Flex Bar	32222	1/2" Dr Std Skt 12-Pt 11/16"	35173	3/8 Dr Hex Bit Skt , 7 mm
11521	Combo Wr 12 Pt 21MM	30007	1/4" Dr Universal Joint	32224	1/2" Dr Std Skt 12-Pt 3/4"	35174	3/8 Dr Hex Bit Skt, 8 mm
11522	Combo Wr 12 Pt 22MM	30008	1/4" Dr Sliding T-Handle	32226	1/2" Dr Std Skt 12-Pt 13/16"	35175	3/8 Dr Hex Bit Skt, 9 mm
11523	Combo Wr 12 Pt 23MM	31001	3/8" Dr Ratchet 7-3/4"	32228	1/2" Dr Std Skt 12-Pt 7/8"	35176	3/8 Dr Hex Bit Skt , 10 mm
11524	Combo Wr 12 Pt 24MM	31002	3/8" Dr Ext 3"	32230	1/2" Dr Std Skt 12-Pt 15/16"	35184	3/8" Dr Torx Bit Skt T30
1208MRC	Rtch Combo Wr 12Pt 8MM	31003	3/8" Dr Ext 6"	32232	1/2" Dr Std Skt 12-Pt 1"	35185	3/8" Dr Torx Bit Skt T40
1209MRC	Rtch Combo Wr 12Pt 9MM	31004	3/8" Dr Ext 10"	32234	1/2" Dr Std Skt 12-Pt 1-1/16"	35186	3/8" Dr Torx Bit Skt T45
1210MRC	Rtch Combo Wr 12Pt 10MM	31005	10 3/8" Dr Flex Bar	32236	1/2" Dr Std Skt 12-Pt 1-1/8"	35188	3/8" Dr Torx Bit Skt T50
1211MRC	Rtch Combo Wr 12Pt 11MM	31006	3/8" Dr Universal Joint	32238	1/2" Dr Std Skt 12-Pt 1-3/16"	37330	1/2" Dr Dp Impact Skt 6-Pt 15/16"
1212MRC	Rtch Combo Wr 12Pt 12MM	31007	3/8" Dr Sliding T-Handle	32240	1/2" Dr Std Skt 12-Pt 1-1/4"	37332	1/2" Dr Dp Impact Skt 6-Pt 1"
1213MRC	Rtch Combo Wr 12Pt 13MM	31108	3/8" Dr Std Skt 6-Pt 1/4"	32248	1/2" Dr Std Skt 12-Pt 1-1/2"	7029B	Box Wr 12-Pt 11/16 X 3/4"
1214MRC	Rtch Combo Wr 12Pt 14MM	31110	3/8" Dr Std Skt 6-Pt 5/16"	32416	1/2" Dr Dp Skt 12-Pt 1/2"	7033C	Box Wr 12-Pt 15/16 X 1"
1215MRC	Rtch Combo Wr 12Pt 15MM	31112	3/8" Dr Std Skt 6 Pt 3/8"	32418	1/2" Dr Dp Skt 12-Pt 9/16"	7723	Box Wr 12-Pt 3/8 X 7/16"
1216MRC	Rtch Combo Wr 12Pt 16MM	31114	3/8" Dr Std Skt 6-Pt 7/16"	32420	1/2" Dr Dp Skt 12-Pt 5/8"	7725B	Box Wr 12-Pt 1/2 X 9/16"

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Intermediate Technician Tool Set WSC-317TB (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
7727A	Box Wr 12-Pt 5/8 X 11/16"	EX-21B	3/16" Fl Scr Ext	M-808	1/4" Dr Std Skt 8-Pt 1/4"	SMD-1217	1/2" Dr Dp Skts 12 Pt 17 MM
7731A	Box Wr 12-Pt 3/4 X 7/8"	EX-22A	7/32" Fl Scr Ext	M-810	1/4" Dr Std Skt 8-Pt 5/16"	SMD-1218	1/2" Dr Dp Skts 12 Pt 18 MM
7731B	Box Wr 12-Pt 13/16 X 7/8"	EX-24A	5/16" Fl Scr Ext	M-812	1/4" Dr Std Skt 8-Pt 3/8"	SMD-1219	1/2" Dr Dp Skts 12 Pt 19 MM
850002	Tape Measure	EX-25A	15/32" Fl Scr Ext	P-30	Prick Punch 3/8" Point 5"	SMD-1221	1/2" Dr Dp Skts 12 Pt 21 MM
C-16	Cold Chisel 1/2"	EX-25B	3/8" Fl Scr Ext	P-40	Center Punch 3/8" Point 5"	SMD-1222	1/2" Dr Dp Skts 12 Pt 22 MM
C-20	Cold Chisel 5/8"	EX-26A	9/16" Fl Scr Ext	P-6	Pin Punch 3/16" Point 5-1/4"	SMD-1224	1/2" Dr Dp Skts 12 Pt 24 MM
C-24	Cold Chisel 3/4"	EX-28	21/32" Fl Scr Ext	PL-529	Snap Ring Plier Set	SMD-1227	1/2" Dr Dp Skts 12 Pt 27 MM
C-715	Roll Bar 16"	EX-29	13/16" Fl Scr Ext	SMD-1213	1/2" Dr Dp Skts 12 Pt 13 MM	SMD-1230	1/2" Dr Dp Skts 12 Pt 30 MM
C-8	Cold Chisel 1/4"	GS-1	Master Feeler Gauge Set	SMD-1214	1/2" Dr Dp Skts 12 Pt 14 MM	W40RC7	40" Roller Cabinet
CW-4	Chain Wr	HSB-1.5A	Brass Hammer, 1-1/2 Lb	SMD-1215	1/2" Dr Dp Skts 12 Pt 15 MM	W40TC4	40" Top Chest
EX-21A	1/8" Fl Scr Ext	JHW-32	Deadblow Hammer 32 Oz	SMD-1216	1/2" Dr Dp Skts 12 Pt 16 MM		

Contents: 265 Piece Oilfield Service Set WSC-281TB

Refer to Master Sets Section Page 32 for Photo and Description

Note: WSC-281 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1242	COMB WRCH 12PT 1-5/16	87008	10 TON 2 JAW PULLER 5-1/2	C-8	COLD CHISEL, 1/4	PL-126C	CURVED CHAIN NOSE PLIERS,6-1/4
1244	COMB WRCH 12PT 1-3/8	100P-8MD	8PC PREM MIXED SD SET	C-82A	PINCH BAR, 7/8 FLAT, 18	PL-149C	DUCKBILL PLIERS, SHORT NOSE, 8
1246	COMB WRCH 12PT 1-7/16	13342A	4 PC. CHROME ADJ WR SET VINYL	C-84	PINCH BAR, 1 FLAT, 29 3/4	PL-167	END CUTTING NIPPERS, 7-1/2
1248	COMB WRCH 12PT 1-1/2 & 38MM	1502MRMH	3/8 DR 20-150 IN-LB MICRO ADJ	CC-404S	C-CLAMP, STANDARD SCREW, 4	PL-204C	SIDE CUTTERS, ELECTR., 7
8723	BOX WRENCH, 12-PT, 3/8 X 7/16	2503MFRMH	1/2 DR 30-250 FT-LB MICRO ADJ	CW-4	CHAIN WRENCH	PL-45C	DIAG. CUTTING PLIERS, REG., 5
10509	HEX KEY SET, SHORT, METRIC, 9-pieces	8725B	BOX WRENCH, 12-PT, 1/2 X 9/16	EXS-30	6-PC SCREW EXTRAC. SET (ROLL)	PL-529	HVY DTY SNAP RING PLIERS SET
11692	FL WR SET 5 PC 9MM - 21MM	8727A	BOX WRENCH, 12-PT, 5/8 X 11/16	GS-4	PISTON FEELER GAUGE SET	PL-57C	DIAG. CUTTING PLIERS, HI LVRG,
13213	BALL END HEX KEY, LONG, 13-PC	8729A	BOX WRENCH, 12-PT,11/16 X 13/1	HBP-0A	BALL PEIN HAMMER, 1 LB	S-10A	1/2 DR. SPEEDER, 13-7/16
13508	18 HD PIPE WRENCH ALUMINUM	8731A	BOX WRENCH, 12-PT, 3/4 X 7/8	HBP-4A	BALL PEIN HAMMER 2 LB	S-140A	1/2 DR. UNIVERSAL JOINT
13510	24 HD PIPE WRENCH ALUMINUM	B-108	3/8 DR. EXTENSION, 3	HSB-1.5A	BRASS HAMMER, 1-1/2 LB	S-40AA	1/2 DR FLEX HANDLE 10-13/16
21661	2PC PRY BAR SET BIMOLD HANDLES	B-110	3/8 DR. EXTENSION, 6	JHW-24	DEADBLOW HAMMER, 24 OZ	S-52EHA	1/2 DR ENCL HEAD RAT 10-3/8
23105	9-3/4 GROOVE JOINT PLIER 7 POS	B-115	3/8 DR. EXTENSION, 10 1/2	M-102	1/4 DR. EXTENSION, 2	WS-1168RC	8 PC RAT COMBO SET 12 PT
23106	11-3/4 GROOVE JOINT PLIER 7POS	B-118	3/8 DR. EXTENSION, 18	M-106A	1/4 DR SPINNER HANDLE	WS-1172SCA	SC COMB WRCH SET 15PC
23107	15-3/4 GROOVE JOINT PLIER 9POS	B-140A	3/8 DR. UNIVERSAL JOINT	M-115	1/4 DR. EXTENSION, 6	WS-1710A	OPEN END WRENCH SET 10 PCS
23303	CURV LCK PLIERS W/CUTTER 10"	B-15	3/8 DR. SPEEDER	M-140A	1/4 DR. UNIVERSAL JOINT	WSB-10RC	3/8 DR REG SKT SET, 12-PT, 10-piece
23304	STRAIGHT LCK PLIERS 7"	B-20A	3/8 DR. SLIDING T HANDLE	M-42A	1/4 DR. FLEX HANDLE	WSB-7A	3/8 DR HEX BIT SKT SET, 7-PC
23503	FRONT END STRIP-CUT/CRIMPER	B-52EHA	3/8 DR ENCLOSED HEAD RAT 8	M-52EHA	1/4 DR ENCL HEAD RATCHET 5	WSB-7U	3/8 DR UNIV SKT SET, 12-PT, 7-piece
24050	7 PC CUSH GRIP NUTDRIVER SET	BD-808	3/8 DR. STD SKT, 8-PT, 1/4	MSS-15RC	1/2 DR REG SKT SET, 12-PT, 15-Pieces	WSBD-9RC	3/8 DR DEEP SKT SET, 12-PT, 9-piece
28205	AVIATION SNIPS STRAIGHT CUT	BD-810	3/8 DR. STD SKT, 8-PT, 5/16	P-10	PIN PUNCH, 5/16 POINT. 6	WSH-22TB	WSH-22 WITH TOOLBOX
28301	STRAIGHT PATTERN SNIPS 7"	BD-812	3/8 DR. STD SKT, 8-PT, 3/8	P-12	SOLID PUNCH, 1/16 POINT, 5	WSM-11HRC	1/4 DR REG SKT SET, 6-PT, 11-Piece
28449	PUNCH / CHISEL HOLDER	C-12	COLD CHISEL, 3/8	P-14	SOLID PUNCH, 1/8 POINT, 5	WSMD-10HRC	1/4 DR. DEEP SKT SET, 6-PT, 10 Piece
33008	3/4F X 1/2M ADAPTER	C-15	COLD CHISEL, 7/16	P-16	SOLID PUNCH, 3/16 POINT, 5	WSS-15RC	1/2 DR REG SKT SET, 12-PT, 15-Pieces
40000	1/4 X 6 GASKET SCRAP BIMOL HDL	C-44	CAPE CHISEL, 5/16	P-40	CENTER PUNCH, 3/8 POINT, 5	WSS-3XT	1/2 DR EXTENSION SET, 3-PC
40058	FOLDING UTILITY KNIFE BLUE ANO	C-60	DIAMOND POINT CHISEL, 1/4	P-8	PIN PUNCH, 1/4 POINT, 5-3/4	WSSS-6RC	1/2 DR HEX BIT SKT SET, 6-PC
40150	TELESCOPIC PICKUP BIMOLD HDL	C-715	ROLL BAR, 16	PL-116C	NEEDLE NOSE PLIERS, LG NOSE, 7		

Contents: Advanced Maintenance Service Set WSC-277TB

Refer to Master Sets Section Page 30 for Photo and Description

Note: WSC-277 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1020	OE WR 1/4x5/16	1723	OE WR 5/16x3/8	3832-22	Carbide Holesaw 7/8	B-52EHA	3/8Dr Encl Hd Rat 7-3/
1027B	OE WR 5/8x11/16	1725B	OE WR 1/2x9/16	3832-25	Carbide Holesaw 1	B-52EHLA	3/8Dr Encl Hd Rat 10-1/2
1037	OE WR 1-1/16x1-1/4	1731	OE WR 3/4x13/16	3832-29	Carbide Holesaw 1 1/8	B-70	3/8Dr Ratchet Spinner
1038	OE WR 1-1/4x1-5/16	1-100-04-3-2	4 Hd SM File w/PlHdl	3832-32	Carbide Holesaw 1 1/4	BA-10A	3/8Dr HexBtSkt 5/16
1033A	OE WR 7/8x15/16	1-111-04-3-2	4 WRD SM File w/PlHdl	3832-38	Carbide Holesaw 1 1/2	BA-12A	3/8Dr HexBtSkt 3/8
1033C	OE WR 15/16x1	1-160-04-3-2	4 SQ SM File w/PlHdl	3834-ADP	Holesaw Adp	BA-4A	3/8Dr HexBtSkt 1/8
1037B	OE WR 1-1/8x1-3/16	1-170-04-3-2	4 3 SQ SM File w/PlHdl	3834-ARBR-730	Arbor	BA-5A	3/8Dr HexBtSkt 5/32
11312	Midget Comb WR 12pt 3/8	1-210-04-3-2	4 1/2RD SM File w/PlHdl	4-2F	1/2Dr Im ADpr1/2 F 3/8	BA-6A	3/8Dr HexBtSkt 3/16
11314	Midget Comb WR12pt 7/16	1-230-04-3-2	4 RD SM File w/PlHdl	625	Scrp	BA-7A	3/8Dr HexBtSkt 7/32
11316	Midget Comb WR12pt 1/2	23152	SideCut SlJt Pls 7-1/2	7029B	BxWR 12pt 11/16x3/4	BA-8A	3/8Dr HexBtSkt 1/4
11318	Midget Comb WR 12pt 9/16	23303	Curv Lock Pls W/Ctr10	7033C	BxWR 12pt 15/16x1	BD-1208	3/8Dr Dp Skt12pt 1/4
11320	Midget Comb WR 12pt 5/8	23303	Crv Lock Pls 10	7038	BxWR 12pt1-1/8x1-3/	BD-1210	3/8Dr Dp Skt12pt 5/16
11322	Midget Comb WR12pt 11/16	23310	Lg Lock Pls W/Ctr 9	7039B	BxWR 12pt1-1/4x1-5/	BD-1212	3/8Dr Dp Skt12pt 3/8
11324	Midget Comb WR12pt 3/4	23503	Wire Stripper / Crimper	7723	BxWR 12pt 3/8x7/16	BD-1214	3/8Dr Dp Skt12pt 7/16
1212SC	Comb WR 12pt 3/8	24401	3/16x3 Ntdrv Csh Gr	7725B	BxWR 12pt 1/2x9/16	BD-1216	3/8Dr Dp Skt12pt 1/2
1214SC	Comb WR 12pt 7/16	24403	1/4x3 Ntdrv Csh Gr	7727A	BxWR 12pt 5/8x11/16	BD-1218	3/8Dr Dp Skt12pt 9/16
1216SC	Comb WR 12pt 1/2	24405	5/16x3 Ntdrv Csh Gr	7731B	BxWR 12pt 15/16x1	BD-1220	3/8Dr Dp Skt12pt 5/8
1218SC	Comb WR 12pt 9/16	24407	11/32x3 Ntdrv Csh Gr	B-108	3/8Dr Ext 3	BD-1222	3/8Dr Dp Skt12pt11/16
1220SC	Comb WR 12pt 5/8	24409	3/8x3 Ntdrv Csh Gr	B-110	3/8Dr Ext 6	BD-1224	3/8Dr Dp Skt12pt 3/4
1222SC	Comb WR 12pt 11/16	24411	7/16x3 Ntdrv Csh Gr	B-115	3/8Dr Ext 10 1/2	BD-1226	3/8Dr Dp Skt12pt13/16
1224SC	Comb WR 12pt 3/4	24413	1/2x3 Ntdrv Csh Gr	B-1208	3/8Dr Skt12pt 1/4	BD-1228	3/8Dr Dp Skt12pt 7/8
1226SC	Comb WR 12pt 13/16	2-4A	3/8Dr Im ADptr3/8F 1/2M	B-1210	3/8Dr Skt12pt 5/16	BD-1230	3/8Dr Dp Skt12pt 5/16
1228SC	Comb WR 12pt 7/8	2-610	3/8Dr ImSkt6pt 5/16	B-1211	3/8Dr Skt12pt 11/32	BD-1232	3/8Dr Dp Skt12pt 1
1230SC	Comb WR 12pt 15/16	2-612	3/8Dr ImSkt6pt 3/8	B-1212	3/8Dr Skt12pt 3/8	BD-808	3/8Dr Skt 8-Pt 1/4
1232SC	Comb WR 12pt 1	2-614	3/8Dr ImSkt6pt 7/16	B-1214	3/8Dr Skt12pt 7/16	BD-810	3/8Dr Skt 8-Pt 5/16
12-610	3/8Dr DpImSkt6pt 5/16	2-616	3/8Dr ImSkt6pt 1/2	B-1216	3/8Dr Skt12pt 1/2	BD-812	3/8Dr Skt 8-Pt 3/8
12-612	3/8Dr DpImSkt6pt 3/8	2-618	3/8Dr ImSkt6pt 9/16	B-1218	3/8Dr Skt12pt 9/16	BD-814	3/8Dr Skt 8-Pt 7/16
12-614	3/8Dr DpImSkt6pt 7/16	2-620	3/8Dr ImSkt6pt 5/8	B-1220	3/8Dr Skt12pt 5/8	BD-816	3/8Dr Skt 8-Pt 1/2
12-616	3/8Dr DpImSkt6pt 1/2	2-622	3/8Dr ImSkt6pt 11/1	B-1222	3/8Dr Skt12pt 11/16	BFE-8	3/8Dr Flible Ext 8
12-618	3/8Dr DpImSkt6pt 9/16	2-624	3/8Dr ImSkt6pt 3/4	B-1224	3/8Dr Skt12pt 3/4	BU-1212	3/8Dr U-Skt12pt 3
12-620	3/8Dr DpImSkt6pt 5/8	2744	Multi Purpose Shear	B-1226	3/8Dr Skt12pt 13/16	BU-1214	3/8Dr U-Skt12pt 7
12-622	3/8Dr DpImSkt6pt 11/16	28201	Metal Shear Left	B-1228	3/8Dr Skt12pt 7/8	BU-1216	3/8Dr U-Skt12pt 1
12-624	3/8Dr DpImSkt6pt 3/4	28203	Metal Shear Right	B-140A	3/8Dr U-Joint	BU-1218	3/8Dr U-Skt12pt 9
13408A	Adj WR 8 Chr	28205	Metal Shear Str	B-15	3/8Dr Speeder	BU-1220	3/8Dr U-Skt12pt 5
13415A	Adj WR 15 Chr	28449	Pch / Chs Holder	B-20A	3/8Dr Sliding T Hdle	BU-1222	3/8Dr U-Skt12pt 1
13424A	Adj WR 24 Chr	325	Hksw	B-40A	3/8Dr FlHdl	BU-1224	3/8Dr U-Skt12pt 3

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Advanced Maintenance Service Set WSC-277TB (con't)

Product Code	Description
C-12	Cd Chs 3/8
C-15	Cd Chs 7/16
C-20	Cd Chs 5/8
C-24	Cd Chs 3/4
GS-1	Master Feeler Gauge Set
GS-3	Comb Feeler Gauge Set
GSC-12	GsktScpr-8-3/4x1 1/2
HBP-2-0A	Bl PN Hmr 12oz
HBP-2A	Bl PN Hmr 1-1/2 Lb
HK-050	L-Type Hex Key 050
HK-1/16	L-Type Hex Key 1/16
HK-1/4	L-Type Hex Key 1/4
HK-1/8	L-Type Hex Key 1/8
HK-3/16	L-Type Hex Key 3/16
HK-3/32	L-Type Hex Key 3/32
HK-3/8	L-Type Hex Key 3/8
HK-5/32	L-Type Hex Key 5/32
HK-5/64	L-Type Hex Key 5/64
HK-7/32	L-Type Hex Key 7/32
HK-7/64	L-Type Hex Key 7/64
HK-9/64	L-Type Hex Key 9/64
JHW-24	Deadblow Hmr 24oz
M-102	1/4Dr Ext 2
M-104	1/4Dr Ext 4
M-106A	1/4Dr Spinner Hdle
M-115	1/4Dr Ext 6
M-1208	1/4Dr Skt12pt 1/4
M-1210	1/4Dr Skt12pt 5/16
M-1211	1/4Dr Skt12pt 11/32
M-1212	1/4Dr Skt12pt 3/8
M-1214	1/4Dr Skt12pt 7/16
M-1216	1/4Dr Skt12pt 1/2
M-1218	1/4Dr Skt12pt 9/16
M-140A	1/4Dr U-Joint
M-52EHA	1/4Dr Encl Hd Ratchet 5
MD-1210	1/4Dr Dp Skt12pt 5/16
MD-1211	1/4Dr Dp Skt12pt 11/3
MD-1212	1/4Dr Dp Skt12pt 3/8
MD-1214	1/4Dr Dp Skt12pt 7/16
MD-1216	1/4Dr Dp Skt12pt 1/2
MD-1218	1/4Dr Dp Skt12pt 9/16
P-10	Pinpch 5/16 PT 6
P-14	Sldpch 1/8 PT 5
P-15	Sldpch 5/32 PT 5
P-16	Sldpch 3/16 PT 5
P-17	Sldpch 1/4' PT 5
P-18	Sldpch 3/8 PT 5
P-39	Centerpch5/16PT4-1/4
P-4	Pinpch 1/8 PT 4-3/4
P-40	Centerpch 3/8 PT 5
P-5	Pinpch 5/32 PT 5
P-6	Pinpch 3/16 PT 5-1/4
P-8	Pinpch 1/4 PT 5-3/4
PL-126C	Crv Chain Nose Pls6-1/4
PL-149C	Duckbill Pls Sh Nose 8
PL-1523C	Ut Superjoint Pls 12
PL-1524C	Ut Superjoint Pls 16
PL-47C	Diag Cut Pls Reg 7
PL-57C	Diag Cut Pls Hi Lvrg
PL-77C	Chn Nose PlsxL Nose 7-3
RB-1214	RatBxWR 6pt 3/8x7/1
RB-1618	RatBxWR 6pt 1/2x9/1
RB-2022	RatBxWR 12pt 5/8x11
RB-2428	RatBxWR 12pt 3/4x7/
RB-810	RatBxWR 6pt 1/4x5/1
S-102P	1/2Dr Ext 2
S-110P	1/2Dr Ext 5-1/2
S-140A	1/2Dr U-Joint
S-15A	1/2Dr Speeder 18-7/8
S-20A	1/2Dr Sliding T Hdle
S-41AA	1/2Dr FlHdl 17
S-52EHA	1/2Dr Encl Hd Rat 7-3/
SA-10A	1/2Dr HexBtSkt 5/16
SA-12A	1/2Dr HexBtSkt 3/8
SA-16A	1/2Dr HexBtSkt 1/2
SA-18A	1/2Dr HexBtSkt 9/16
SA-20A	1/2Dr HexBtSkt 5/8
SD-1216	1/2Dr Dp Skt12pt 9/16
SD-1218	1/2Dr Dp Skt12pt 5/8
SD-1220	1/2Dr Dp Skt12pt 11/1
SD-1222	1/2Dr Dp Skt12pt 3/4
SD-1224	1/2Dr Dp Skt12pt 25/3
SD-1226	1/2Dr Dp Skt12pt 13/1
SD-1228	1/2Dr Dp Skt12pt 7/8
SD-1230	1/2Dr Dp Skt12pt 15/1
SD-1232	1/2Dr Dp Skt12pt 1
SD-1234	1/2Dr Dp Skt12pt 1-1/
SD-1236	1/2Dr Dp Skt12pt 1-1/
SDE-43	Scr Electr 3
SDP-1-3	Scr Ph 1-Pt 3
SDP-2-4	Scr Ph 2-Pt 4
SDP-2-8	Scr Ph 2-Pt
SDP-3-6	Scr Ph 3-Pt 6
SDR-22	Scr RD 3'
SDR-24	Scr RD 4
SDR-26	Scr RD 6
SDR-28	Scr RD 8
SDR-30	Scr RD 10
ST-1212	1/2Dr Skt12pt 3/8
ST-1214	1/2Dr Skt12pt 7/16
ST-1216	1/2Dr Skt12pt 1/2
ST-1218	1/2Dr Skt12pt 9/16
ST-1220	1/2Dr Skt12pt 5/8
ST-1222	1/2Dr Skt12pt 11/16
ST-1224	1/2Dr Skt12pt 3/4
ST-1226	1/2Dr Skt12pt 13/16
ST-1228	1/2Dr Skt12pt 7/8
ST-1230	1/2Dr Skt12pt 15/16
ST-1232	1/2Dr Skt12pt 1
ST-1234	1/2Dr Skt12pt 1-1/1
ST-1236	1/2Dr Skt12pt 1-1/8
ST-1238	1/2Dr Skt12pt 1-3/1
ST-1240	1/2Dr Skt12pt 1-1/4
ST-1242	1/2Dr Skt12pt 1-5/1
ST-812	1/2Dr Skt 8-Pt 3/8
ST-814	1/2Dr Skt 8-Pt 7/16
ST-816	1/2Dr Skt 8-Pt 1/2
ST-818	1/2Dr Skt 8-Pt 9/16
ST-820	1/2Dr Skt 8-Pt 5/8
ST-822	1/2Dr Skt 8-Pt 11/16
ST-824	1/2Dr Skt 8-Pt 3/4
ST-826	1/2Dr Skt 8-Pt 13/16
ST-828	1/2Dr Skt 8-Pt 7/8
ST-830	1/2Dr Skt 8-Pt 15/16
ST-832	1/2Dr Skt 8-Pt 1
W40RC7	40" Roll Cabinet
W40TC4	40 Top Chest
WRS-1	Rat Scr
XFN-0810	FL NUT WR 1/4x5/16
XFN-1214	FL NUT WR 3/8x7/16
XFN-1618	FL NUT WR 1/2x9/16
XFN-2022	FL NUT WR 5/8x11/16
XFN-2432	FL NUT WR 3/4x1

Contents: General Maintenance Tool Set WSC-238TB

Refer to Master Sets Section Page 33 for Photo and Description

Note: WSC-238 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description
10600	Flare Nut Wrench 3/8 X 7/16"
10602	Flare Nut Wrench 1/2 X 9/16"
10604	Flare Nut Wrench 5/8 X 11/16"
10606	Flare Nut Wrench 3/4 X 7/8"
10652	Flare Nut Wrench 10MM X 12MM
10654	Flare Nut Wrench 13MM X 14MM
10656	Flare Nut Wrench 15MM X 17MM
10658	Flare Nut Wrench 19MM X 21MM
11108	Combo Wrench 12 Pt 1/4"
11110	Combo Wrench 12 Pt 5/16"
11112	Combo Wrench 12 Pt 3/8"
11114	Combo Wrench 12 Pt 7/16"
11116	Combo Wrench 12 Pt 1/2"
11118	Combo Wrench 12 Pt 9/16"
11120	Combo Wrench 12 Pt 5/8"
11122	Combo Wrench 12 Pt 11/16"
11124	Combo Wrench 12 Pt 3/4"
11126	Combo Wrench 12 Pt 13/16"
11128	Combo Wrench 12 Pt 7/8"
11130	Combo Wrench 12 Pt 15/16"
11132	Combo Wrench 12 Pt 1"
11506	Combo Wrench 12 Pt 6MM
11507	Combo Wrench 12 Pt 7MM
11508	Combo Wrench 12 Pt 8MM
11509	Combo Wrench 12 Pt 9MM
11510	Combo Wrench 12 Pt 10MM
11511	Combo Wrench 12 Pt 11MM
11512	Combo Wrench 12 Pt 12MM
11513	Combo Wrench 12 Pt 13MM
11514	Combo Wrench 12 Pt 14MM
11515	Combo Wrench 12 Pt 15MM
11516	Combo Wrench 12 Pt 16MM
11517	Combo Wrench 12 Pt 17MM
11518	Combo Wrench 12 Pt 18MM
11519	Combo Wrench 12 Pt 19MM
11520	Combo Wrench 12 Pt 20MM
11521	Combo Wrench 12 Pt 21MM
11522	Combo Wrench 12 Pt 22MM
11523	Combo Wrench 12 Pt 23MM
13410A	Chrome Adj. Wrench 10"
20651	48 Oz Cross Pein HaMMer
23102	8" Slip Joint Plier
23303	Curved-Jaw Locking Pliers /w Cutter 10"
23407	7" Hvy Duty Diagonal Cutting
23409	6-1/4" Bent Nose
23411	8" Long Nose
24203A	Screwdrr 3/16X1-1/2" Round Slotted
24205A	Screwdrr 3/16X4" Round Slotted
24209A	Screwdrr 3/16X6" Round Slotted
24215A	Screwdrr 3/16X9" Round Slotted
24219A	Screwdrr 1/4X4" Round Slotted
24229A	Screwdrr 1/4X6" Round Slotted
24237A	Screwdrr 5/16X6" Round Slotted
24247A	Screwdrr #1 X 1-1/2 Phillips®
24249A	Screwdrr #1 X 3 Phillips®
24249A	Screwdrr #1 X 3 Phillips®
24253A	Screwdrr #2 X 4 Phillips®
24259A	Screwdrr #3 X 6 Phillips®
24263A	Screwdrr Torx® #T10 X 4
24265A	Screwdrr Torx® #T15 X 4
24267A	Screwdrr Torx® #T20 X 4
24269A	Screwdrr Torx® #T25 X 4
24271A	Screwdrr Torx® #T27 X 4
24273A	Screwdrr Torx® #T30 X 4
30002	1-1/2 Ext 1/4Dr
30003	1/4" Dr Extension 3"
30004	1/4" Dr Extension 6"
30007	1/4" Dr Uni Joint
30008	1/4" Dr Sliding T-Handle
30010	1/4 DR SPINNER
30011	1/4" Dr Ratchet 60 Tooth 5-1/4"
30604	1/4" Dr Std Socket 12-Pt 4MM
30605	1/4" Dr Std Socket 12-Pt 5MM
30606	1/4" Dr Std Socket 12-Pt 6MM
30607	1/4" Dr Std Socket 12-Pt 7MM
30608	1/4" Dr Std Socket 12-Pt 8MM
30609	1/4" Dr Std Socket 12-Pt 9MM
30610	1/4" Dr Std Socket 12-Pt 10MM
30611	1/4" Dr Std Socket 12-Pt 11MM
30612	1/4" Dr Std Socket 12-Pt 12MM
30613	1/4" Dr Std Socket 12-Pt 13MM
30614	1/4" Dr Std Socket 12-Pt 14MM
30699	1/4" Dr Std Socket 12-Pt 5.5MM
30705	1/4" Dr Deep Socket 6-Pt 5MM
30706	1/4" Dr Deep Socket 6-Pt 6MM
30707	1/4" Dr Deep Socket 6-Pt 7MM
30708	1/4" Dr Deep Socket 6-Pt 8MM
30709	1/4" Dr Deep Socket 6-Pt 9MM
30710	1/4" Dr Deep Socket 6-Pt 10MM
30711	1/4" Dr Deep Socket 6-Pt 11MM
30712	1/4" Dr Deep Socket 6-Pt 12MM
30713	1/4" Dr Deep Socket 6-Pt 13MM
30755	1/4" Dr Deep Socket 6-Pt 5.5MM
30904	1/4" Dr Hex Bit Socket Set 6 Pcs
30908	1/4" Dr Torx Bit Socket Set 6 Pcs
31001	3/8" Dr Ratchet 7-3/4"
31002	3/8" Dr Extension 3"
31003	3/8" Dr Extension 6"
31004	3/8" Dr Extension 10"
31006	3/8" Dr Uni Joint
31009	3/8" Dr Adaptor 3/8 F X 1/2 M
31108	3/8" Dr Std Socket 6-Pt 1/4"
31112	3/8" Dr Std Socket 6 Pt 3/8"
31116	3/8" Dr Std Socket 6-Pt 1/2"
31118	3/8" Dr Std Socket 6-Pt 9/16"
31120	3/8" Dr Std Socket 6-Pt 5/8"
31122	3/8" Dr Std Socket 6-Pt 11/16"
31126	3/8" Dr Std Socket 6-Pt 13/16"
31301	3/8" Dr Spark Plug Socket 5/8"
31303	3/8" Dr Spark Plug Socket 13/16"
31528	3/8" Dr Std Flex Skt 6-Pt 8MM
31530	3/8" Dr Std Flex Skt 6-Pt 10MM
31531	3/8" Dr Std Flex Skt 6-Pt 11MM
31532	3/8" Dr Std Flex Skt 6-Pt 12MM
31533	3/8" Dr Std Flex Skt 6-Pt 13MM
31534	3/8" Dr Std Flex Skt 6-Pt 14MM
31535	3/8" Dr Std Flex Skt 6-Pt 15MM
31536	3/8" Dr Std Flex Skt 6-Pt 16MM
31537	3/8" Dr Std Flex Skt 6-Pt 17MM
31538	3/8" Dr Std Flex Skt 6-Pt 18MM
31539	3/8" Dr Std Flex Skt 6-Pt 19MM
32001	1/2" Dr Ratchet 9-7/8"
32003	1/2" Dr Extension 6"
32004	1/2" Dr Extension 10"
32005	1/2" Dr Flex Handle 15-1/2"
32006	1/2" Dr Uni Joint
32112	1/2" Dr Std Socket 6-Pt 3/8"
32114	1/2" Dr Std Socket 6-Pt 7/16"
32116	1/2" Dr Std Socket 6-Pt 1/2"
32118	1/2" Dr Std Socket 6-Pt 9/16"
32120	1/2" Dr Std Socket 6-Pt 5/8"
32122	1/2" Dr Std Socket 6-Pt 11/16"
32124	1/2" Dr Std Socket 6-Pt 3/4"
32126	1/2" Dr Std Socket 6-Pt 13/16"
32128	1/2" Dr Std Socket 6-Pt 7/8"
32130	1/2" Dr Std Socket 6-Pt 15/16"
32132	1/2" Dr Std Socket 6-Pt 1"
32134	1/2" Dr Std Socket 6-Pt 1-1/16"
32136	1/2" Dr Std Socket 6-Pt 1-1/8"
32138	1/2" Dr Std Socket 6-Pt 1-3/16"
32140	1/2" Dr Std Socket 6-Pt 1-1/4"
32510	1/2" Dr Std Socket 6-Pt 10MM
32511	1/2" Dr Std Socket 6-Pt 11MM
32512	1/2" Dr Std Socket 6-Pt 12MM
32513	1/2" Dr Std Socket 6-Pt 13MM
32514	1/2" Dr Std Socket 6-Pt 14MM
32515	1/2" Dr Std Socket 6-Pt 15MM
32516	1/2" Dr Std Socket 6-Pt 16MM
32517	1/2" Dr Std Socket 6-Pt 17MM
32518	1/2" Dr Std Socket 6-Pt 18MM
32519	1/2" Dr Std Socket 6-Pt 19MM
32520	1/2" Dr Std Socket 6-Pt 20MM
32521	1/2" Dr Std Socket 6-Pt 21MM
32521	1/2" Dr Std Socket 6-Pt 21MM
32522	1/2" Dr Std Socket 6-Pt 22MM
32523	1/2" Dr Std Socket 6-Pt 23MM
32524	1/2" Dr Std Socket 6-Pt 24MM
32526	1/2" Dr Std Socket 6-Pt 26MM
32527	1/2" Dr Std Socket 6-Pt 27MM
32528	1/2" Dr Std Socket 6-Pt 28MM
32530	1/2" Dr Std Socket 6-Pt 30MM
32532	1/2" Dr Std Socket 6-Pt 32MM
35040	1/4" Dr Slotted Bit Socket 5/32"
35041	1/4" Dr Slotted Bit Socket 7/32"
35042	1/4" Dr Slotted Bit Socket 9/32"
35051	1/4" Dr Phillips® Bit Socket #1
35052	1/4" Dr Phillips® Bit Socket #2
35053	3-PT PHILLIPS BIT SKT 1/4 DR
35079	T8 TORX BIT SKT 1/4 DR
35080	1/4" Dr Torx Bit Socket T10
35081	1/4" Dr Torx Bit Socket T15
35082	1/4" Dr Torx Bit Socket T20
35083	1/4" Dr Torx Bit Socket T25
35084	1/4" Dr Torx Bit Socket T27
35085	1/4" Dr Torx Bit Socket T30
35186	3/8" Dr Torx Bit Socket T45
35188	3/8" Dr Torx Bit Socket T50
35286	1/2" Dr Torx Bit Socket T55
35287	1/2" Dr Torx Bit Socket T60
7224	Quick Adjust Water Pump Plier
8033A	Box Wrench 12-Pt 7/8 X 15/16"
8720	Box Wrench 12-Pt 1/4 X 5/16"
8723	Box Wrench 12-Pt 3/8 X 7/16"
8725	Box Wrench 12-Pt 7/16 X 1/2"
8725B	Box Wrench 12-Pt 1/2 X 9/16"
8727A	Box Wrench 12-Pt 5/8 X 11/16"
8729A	Box Wrench 12-Pt11/16 X 13/16"
900T-020-100	T Handle Hex 2
900T-025-100	T Handle Hex 2.5
900T-030-100	T Handle Hex 3
900T-040-150	T Handle Hex 4
900T-050-150	T Handle Hex 5
900T-060-200	T Handle Hex 6
900T-080-200	T Handle Hex 8
900T-094	T Handle Hex 3/32
900T-100-200	T Handle Hex 10
900T-109	T Handle Hex 7/64
900T-125	T Handle Hex 1/8
900T-156	T Handle Hex 5/32
900T-188	T Handle Hex 3/16
900T-219	T Handle Hex 7/32
900T-250	T Handle Hex 1/4
900T-313	T Handle Hex.20 5/16"
900T-375	T Handle Hex.24 3/8"

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: General Maintenance Tool Set WSC-238TB (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
BE-8600	Screwdrr Phillips® Ergo® #0 X 6-1/2"	BWM-2124	Dbl Box Wrench 21MM X 24MM	C-36	Cold Chisel 1-1/8"	P-8	Pin Punch 1/4" Pt 5-3/4"
BE-8908	Screwdrr Torx® Ergo® #8 X 6-1/2"	BWM-2224	Dbl Box Wrench 22MM X 24MM	C-46	Cape Chisel 3/8	PL-1626	Snap Ring Pliers - 0°
BE-8940	Screwdrr Torx® Ergo® #40 X 12-1/2"	C-20	Cold Chisel 5/8"	JHW-16	Deadblow HaMMer 16 Oz	PL-1626	Snap Ring Pliers - 0°
BWM-0810	Dbl Box Wrench 8MM X 10MM	C-20	Cold Chisel 5/8"	P-10	Pin Punch 5/16" Pt. 6"	PL-1628	Snap Ring Pliers - 90°
BWM-1011	Dbl Box Wrench 10MM X 11MM	C-24	Cold Chisel 3/4"	P-24	Long Taper Punch 3/32" Pt 9"	PL-1628	Snap Ring Pliers - 90°
BWM-1213	Dbl Box Wrench 12MM X 13MM	C-24	Cold Chisel 3/4"	P-25	Long Taper Punch 5/32" Pt 9"	W40RC7	40" Roll Cabinet
BWM-1415	Dbl Box Wrench 14MM X 15MM	C-28	Cold Chisel 7/8"	P-26	Long Taper Punch 3/16" Pt10"	W40TC4	40 Top Chest
BWM-1618	Dbl Box Wrench 16MM X 17MM	C-32	Cold Chisel 1"	P-42	Center Punch 1/2" Pt 6"		
BWM-1821	Dbl Box Wrench 18MM X 21MM	C-32	Cold Chisel 1"	P-6	Pin Punch 3/16" Pt 5-1/4"		

Contents: Maintenance Tool Set WSC-231TB

Refer to Master Sets Section Page 34 for Photo and Description

Note: WSC-231 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1020	Open End Wr 1/4 X 5/16"	24409	NutDrr 3/8 X 3" Cushion Grip	31009	3/8" F X 1/2" M Adapter	32130	1/2 Dr Std Soc 6-Pt 15/16
1033C	Open End Wr 15/16 X 1"	24411	NutDrr 7/16 X 3" Cushion Grip	31013	3/8"Dr. 1/4" Bit Holder	32132	1/2 Dr Std Soc 6-Pt 1
1037	Open End Wr 1-1/16 X 1-1/4"	24413	NutDrr 1/2 X 3" Cushion Grip	31108	1/4" Std 6Pt Skt 3/8" Dr	32134	1/2 Dr Std Soc 6-Pt 1-1/16
1037B	Open End Wr 1-1/8 X 1-3/16"	24803	1/4" X 1" Hex Bit, Slotted 5/32"	31110	5/16" Std 6Pt Skt 3/8" Dr	32136	1/2 Dr Std Soc 6-Pt 1-1/8
11312	Stubby Combo Wr 3/8"	24805	1/4" X 1" Hex Bit, Slotted 3/16"	31112	3/8" Std 6Pt Skt 3/8" Dr	32138	1/2 Dr Std Soc 6-Pt 1-3/16
11314	Stubby Combo Wr 7/16"	24807	1/4" X 1" Hex Bit, Slotted 1/4"	31114	7/16" Std 6Pt Skt 3/8" Dr	32140	1/2 Dr Std Soc 6-Pt 1-1/4
11316	Stubby Combo Wr 1/2"	24809	1/4" X 1" Hex Bit, Phillip #0	31116	1/2" Std 6Pt Skt 3/8" Dr	35100	3/8" Dr Hex Bit Skt 1/8"
11318	Stubby Combo Wr 9/16"	24811	1/4" X 1" Hex Bit, Phillip #1	31118	9/16" Std 6Pt Skt 3/8" Dr	35101	3/8" Dr Hex Bit Skt 9/64"
11320	Stubby Combo Wr 5/8"	24813	1/4" X 1" Hex Bit, Phillip #2	31120	5/8" Std 6Pt Skt 3/8" Dr	35102	3/8" Dr Hex Bit Skt 5/32"
11322	Stubby Combo Wr 11/16"	24815	1/4" X 1" Hex Bit, Phillip #3	31122	11/16" Std 6Pt Skt 3/8" Dr	35103	3/8" Dr Hex Bit Skt 3/16"
11324	Stubby Combo Wr 3/4"	24819	1/4" X 1" Hex Bit, Square #1	31124	3/4" Std 6Pt Skt 3/8" Dr	35104	3/8" Dr Hex Bit Skt 7/32"
11952	3/8 Cmb Wr Offset	24821	1/4" X 1" Hex Bit, Square #2	31126	13/16" Std 6Pt Skt 3/8" Dr	35105	3/8" Dr Hex Bit Skt 1/4"
11953	7/16 Cmb Wr Offset	24911	1/4 X 1 Hex Bit Hex 1/8	31128	7/8" Std 6Pt Skt 3/8" Dr	35106	3/8" Dr Hex Bit Skt 5/16"
11954	1/2 Cmb Wr Offset	24915	1/4 X 1 Hex Bit Hex 5/32	31130	15/16" Std 6Pt Skt 3/8" Dr	35107	3/8" Dr Hex Bit Skt 3/8"
11955	9/16 Cmb Wr Offset	24919	1/4 X 1 Hex Bit Hex 7/32	31132	1" Std 6Pt Skt 3/8" Dr	50871	27" Top Chest
11956	5/8 Cmb Wr Offset	24921	1/4 X 1 Hex Bit Hex 1/4	31408	3/8" Dr Dp Skt 12-Pt 1/4"	50901	27" Roll Cabinet
11957	11/16 Cmb Wr Offset	28201	Aviation Snips Left Cut	31410	3/8" Dr Dp Skt 12-Pt 5/16"	625	Carbide Scraper ergo® 1"
11958	3/4 Cmb Wr Offset	28203	Aviation Snips Right Cut	31412	3/8" Dr Dp Skt 12-Pt 3/8"	7723	Box Wr 12-Pt 3/8 X 7/16"
11959	13/16 Cmb Wr Offset	28205	Aviation Snips Straight Cut	31414	3/8" Dr Dp Skt 12-Pt 7/16"	7725B	Box Wr 12-Pt 1/2 X 9/16"
11960	7/8 Cmb Wr Offset	28449	Punch / Chisel Holder	31416	3/8" Dr Dp Skt 12-Pt 1/2"	BA-4A	3/8 Dr Hex Bit Skt 1/8"
11961	Combo Wr Offset 15/16"	306	Hacksaw Frame	31418	3/8" Dr Dp Skt 12-Pt 9/16"	BA-5A	3/8 Dr Hex Bit Skt 5/32"
11962	Combo Wr Offset 1"	30001	1/4 Dr Pear Head Ratchet 5-1/4	31420	3/8" Dr Dp Skt 12-Pt 5/8"	BA-6A	3/8 Dr Hex Bit Skt 3/16"
1-100-04-3-2	4 Hd SM File w/PlHdl	30002	1-1/2 In 1/4 Dr Ext	31422	3/8" Dr Dp Skt 12-Pt11/16"	BA-7A	3/8 Dr Hex Bit Skt 7/32"
1-111-04-3-2	4 WRD SM File w/PlHdl	30004	6 In 1/4 Dr Ext	31424	3/8" Dr Dp Skt 12-Pt 3/4"	BA-8A	3/8 Dr Hex Bit Skt 1/4"
1-160-04-3-2	4 SQ SM File w/PlHdl	30005	6 In 1/4 Dr Flex Bar	31506	6Mm Std 6Pt Skt 3/8" Dr	BA-10A	3/8 Dr Hex Bit Skt 5/16"
1-170-04-3-2	4 3 SQ SM File w/PlHdl	30006	1/4 Dr Spinner Handle	31507	7Mm Std 6Pt Skt 3/8" Dr	BA-12A	3/8 Dr Hex Bit Skt 3/8"
1-210-04-3-2	4 1/2RD SM File w/PlHdl	30007	1/4 Dr Universal Joint	31508	8Mm Std 6Pt Skt 3/8" Dr	BU-1212	3/8" Dr Univ Skt 12-Pt 3/8"
1-230-04-3-2	4 RD SM File w/PlHdl	30106	3/16 Std 6Pt Skt 1/4 Dr	31509	9Mm Std 6Pt Skt 3/8" Dr	BU-1214	3/8" Dr Univ Skt 12-Pt 7/16"
13408A	8 Adj Wrench Polished Head	30107	7/32 Std 6Pt Skt 1/4 Dr	31510	10Mm Std 6Pt Skt 3/8" Dr	BU-1216	3/8" Dr Univ Skt 12-Pt 1/2"
1723	Open End Wr 3/8 X 7/16"	30108	1/4 Std 6Pt Skt 1/4 Dr	31511	11Mm Std 6Pt Skt 3/8" Dr	BU-1218	3/8" Dr Univ Skt 12-Pt 9/16"
1725	Open End Wr 7/16 X 1/2"	30109	9/32 Std 6Pt Skt 1/4 Dr	31512	12Mm Std 6Pt Skt 3/8" Dr	BU-1220	3/8" Dr Univ Skt 12-Pt 5/8"
1725B	Open End Wr 1/2 X 9/16"	30110	5/16 Std 6Pt Skt 1/4 Dr	31513	13Mm Std 6Pt Skt 3/8" Dr	BU-1222	3/8" Dr Univ Skt 12-Pt 11/16"
1727	Open End Wr 9/16 X 5/8"	30111	11/32 Std 6Pt Skt 1/4 Dr	31514	14Mm Std 6Pt Skt 3/8" Dr	BU-1224	3/8" Dr Univ Skt 12-Pt 3/4"
1729B	Open End Wr 11/16 X 3/4"	30112	3/8 Std 6Pt Skt 1/4 Dr	31515	15Mm Std 6Pt Skt 3/8" Dr	C-10	Cold Chisel 5/16"
1731B	Open End Wr 13/16 X 7/8"	30114	7/16 Std 6Pt Skt 1/4 Dr	31516	16Mm Std 6Pt Skt 3/8" Dr	C-16	Cold Chisel 1/2"
20002	C-Clamp Copper Screw 2"	30116	1/2 Std 6Pt Skt 1/4 Dr	31517	17Mm Std 6Pt Skt 3/8" Dr	C-24	Cold Chisel 3/4"
20006	C-Clamp Copper Screw 6"	30118	9/16 Std 6Pt Skt 1/4 Dr	31518	18Mm Std 6Pt Skt 3/8" Dr	GSC-12	Gasket Scraper-8-3/4 X 1 1/2"
20543	12 Oz Ball Pein Hmmer	30306	3/16 Dp 6Pt Skt 1/4 Dr	31519	19Mm Std 6Pt Skt 3/8" Dr	HK-050	L-Type Hex Key, .050
23102	8 Slip Joint	30307	7/32 Dp 6Pt Skt 1/4 Dr	32001	1/2 Dr Ratchet 9-7/8	HK-1/16	L-Type Hex Key, 1/16
23105	9-3/4 Groove Jt Plier 7 Pos	30308	1/4 Dp 6Pt Skt 1/4 Dr	32002	3 In 1/2 Dr Ext	HK-5/64	L-Type Hex Key, 5/64
23406	6-1/4" Dia Cut	30309	9/32 Dp 6Pt Skt 1/4 Dr	32003	6 In 1/2 Dr Ext	HK-3/32	L-Type Hex Key, 3/32
23407	6-1/4 Dia Cut Dipped Hdl Th	30310	5/16 Dp 6Pt Skt 1/4 Dr	32004	10 In 1/2 Dr Ext	HK-7/64	L-Type Hex Key, 7/64
23409	6-1/4 Dia Cut Dipped Hdl Th	30311	11/32 Dp 6Pt Skt 1/4 Dr	32005	15 In 1/2 Dr Flex Bar	HK-1/8	L-Type Hex Key, 1/8
24205A	Scr 3/16X4" Round Slt	30312	3/8 Dp 6Pt Skt 1/4 Dr	32006	1/2 Dr Universal Joint	HK-9/64	L-Type Hex Key, 9/64
24217A	Scr 1/4X1-1/2" Round Slt	30314	7/16 Dp 6Pt Skt 1/4 Dr	32008	1/2 F X 3/8 M Adapter	HK-5/32	L-Type Hex Key, 5/32
24219A	Scr 1/4X4" Round Slt	30316	1/2 Dp 6Pt Skt 1/4 Dr	32009	1/2 F X 3/4 M Adapter	HK-3/16	L-Type Hex Key, 3/16
24237A	Scr 5/16X6" Round Slt	30318	9/16 Dp 6Pt Skt 1/4 Dr	32112	1/2 Dr Std Soc 6-Pt 3/8	HK-7/32	L-Type Hex Key, 7/32
24241A	Scr 3/8X8" Round Slt	31001	3/8" Dr Ratchet 7-3/4"	32114	1/2 Dr Std Soc 6-Pt 7/16	HK-1/4	L-Type Hex Key, 1/4
24249A	Scr #1 X 3 Phillips®	31002	3" Ext 3/8" Dr	32116	1/2 Dr Std Soc 6-Pt 1/2	HK-5/16	L-Type Hex Key 5/16
24251A	Scr #2 X 1-1/2 Phillips®	31003	6" Ext 3/8" Dr	32118	1/2 Dr Std Soc 6-Pt 9/16	HK-3/8	L-Type Hex Key, 3/8
24253A	Scr #2 X 4 Phillips®	31004	10" Ext 3/8" Dr	32120	1/2 Dr Std Soc 6-Pt 5/8	P-15	Solid Punch 5/32" Point 5"
24401	NutDrr 3/16 X 3" Cushion Grip	31005	10" 3/8" Dr Flex Bar	32122	1/2 Dr Std Soc 6-Pt 11/16	P-4	Pin Punch 1/8" Point. 4-3/4"
24403	NutDrr 1/4 X 3" Cushion Grip	31006	3/8" Dr Universal Joint	32124	1/2 Dr Std Soc 6-Pt 3/4	P-40	Center Punch 3/8" Point 5"
24405	NutDrr 5/16 X 3" Cushion Grip	31007	3/8" Dr Sliding T-Handle	32126	1/2 Dr Std Soc 6-Pt 13/16	P-6	Pin Punch 3/16" Point 5-1/4"
24407	NutDrr 11/32 X 3" Cushion Grip	31008	3/8" F X 1/4" M Adapter	32128	1/2 Dr Std Soc 6-Pt 7/8	P-8	Pin Punch 1/4" Point 5-3/4"

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Contents: Intermediate Maintenance Service Set WSC-173TB

Refer to Master Sets Section Page 35 for Photo and Description

Note: WSC-173 Includes All Tools Only, Without Tool Storage Cabinets

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1020	OE WR 1/4x5/16	24413	1/2x3 Ntdrv Csh Gr	BD-1228	3/8Dr Dp Skt12pt 7/8	P-10	Pinpch 5/16 PT 6
1027B	OE WR 5/8x11/16	2744	Multi Purpose Shear	BU-1212	3/8Dr U-Skt12pt 3/8	P-14	Sldpch 1/8 PT 5
1037	OE WR 1-1/16x1-1/4	28201	Metal Shear Left	BU-1214	3/8Dr U-Skt12pt 7/16	P-16	Sldpch 3/16 PT 5
1038	OE WR 1-1/4x1-5/16	28203	Metal Shear Right	BU-1216	3/8Dr U-Skt12pt 1/2	P-18	Sldpch 3/8 PT 5
1033A	OE WR 7/8x15/16	28205	Metal Shear Str	BU-1218	3/8Dr U-Skt12pt 9/16	P-39	Centerpch5/16PT4-1/4
1033C	OE WR 15/16x1	28449	Pch / Chs Holder	BU-1220	3/8Dr U-Skt12pt 5/8	P-4	Pinpch 1/8 PT 4-3/4
1037B	OE WR 1-1/8x1-3/16	325	Hacksaw	BU-1222	3/8Dr U-Skt12pt 1/1/16	P-40	Centerpch 3/8 PT 5
11312	Midget Comb WR 12pt 3/8	625	Scraper	BU-1224	3/8Dr U-Skt12pt 3/4	P-6	Pinpch 3/16 PT 5-1/4
11314	Midget Comb WR12pt 7/16	7723	BxWR 12pt 3/8x7/16	C-12	Cd Chs 3/8	PL-47C	Diag Cut Pls Reg 7
11316	Midget Comb WR12pt 1/2	7725B	BxWR 12pt 1/2x9/16	C-15	Cd Chs 7/16	PL-57C	Diag Cut Pls Hi Lvrg
11318	Midget Comb WR 12pt 9/16	B-1208	3/8Dr Skt12pt 1/4	C-24	Cd Chs 3/4	S-102P	1/2Dr Ext 2
11320	Midget Comb WR 12pt 5/8	B-1210	3/8Dr Skt12pt 5/16	GSC-12	GsktScpr-8-3/4x1 1/2	S-110P	1/2Dr Ext 5-1/2
11322	Midget Comb WR12pt 11/16	B-1211	3/8Dr Skt12pt 11/32	HBP-2-0A	Bl PN Hmr 12oz	S-140A	1/2Dr U-Joint
11324	Midget Comb WR12pt 3/4	B-1212	3/8Dr Skt12pt 3/8	HK-050	L-Type Hex Key 050	S-41AA	1/2Dr FlHdl 17
1212SC	Comb WR 12pt 3/8	B-1214	3/8Dr Skt12pt 7/16	HK-1/16	L-Type Hex Key 1/16	S-52EHA	1/2Dr Encl Hd Rat 7-3/4
1214SC	Comb WR 12pt 7/16	B-1216	3/8Dr Skt12pt 1/2	HK-1/4	L-Type Hex Key 1/4	SDE-43	Scr Electr 3
1216SC	Comb WR 12pt 1/2	B-1218	3/8Dr Skt12pt 9/16	HK-1/8	L-Type Hex Key 1/8	SDP-1-3	Scr Ph 1-Pt 3
1218SC	Comb WR 12pt 9/16	B-1220	3/8Dr Skt12pt 5/8	HK-3/16	L-Type Hex Key 3/16	SDP-2-4	Scr Ph 2-Pt 4
1220SC	Comb WR 12pt 5/8	B-1222	3/8Dr Skt12pt 11/16	HK-3/32	L-Type Hex Key 3/32	SDP-2-8	Scr Ph 2-Pt
1222SC	Comb WR 12pt 11/16	B-1224	3/8Dr Skt12pt 3/4	HK-3/8	L-Type Hex Key 3/8	SDR-22	Scr RD 3'
1224SC	Comb WR 12pt 3/4	B-1226	3/8Dr Skt12pt 13/16	HK-5/32	L-Type Hex Key 5/32	SDR-24	Scr RD 4
1226SC	Comb WR 12pt 13/16	B-1228	3/8Dr Skt12pt 7/8	HK-5/64	L-Type Hex Key 5/64	SDR-26	Scr RD 6
1228SC	Comb WR 12pt 7/8	B-108	3/8Dr Ext 3	HK-7/32	L-Type Hex Key 7/32	SDR-28	Scr RD 8
1230SC	Comb WR 12pt 15/16	B-110	3/8Dr Ext 6	HK-7/64	L-Type Hex Key 7/64	ST-1212	1/2Dr Skt12pt 3/8
1232SC	Comb WR 12pt 1	B-140A	3/8Dr U-Joint	HK-9/64	L-Type Hex Key 9/64	ST-1214	1/2Dr Skt12pt 7/16
13408A	Adj WR 8 Chr	B-40A	3/8Dr FlHdl	M-1208	1/4Dr Skt12pt 1/4	ST-1216	1/2Dr Skt12pt 1/2
1723	OE WR 3/8x7/16	B-52EHA	3/8Dr Encl Hd Rat 7-3/	M-1210	1/4Dr Skt12pt 5/16	ST-1218	1/2Dr Skt12pt 9/16
1725B	OE WR 1/2x9/16	BA-10A	3/8Dr HexBtSkt 5/16	M-1211	1/4Dr Skt12pt 11/32	ST-1220	1/2Dr Skt12pt 5/8
1731	OE WR 3/4x13/16	BA-12A	3/8Dr HexBtSkt 3/8	M-1212	1/4Dr Skt12pt 3/8	ST-1222	1/2Dr Skt12pt 11/16
1-100-04-3-2	4 Hd SM File w/PlHdl	BA-4A	3/8Dr HexBtSkt 1/8	M-1214	1/4Dr Skt12pt 7/16	ST-1224	1/2Dr Skt12pt 3/4
1-111-04-3-2	4 WRD SM File w/PlHdl	BA-5A	3/8Dr HexBtSkt 5/32	M-1216	1/4Dr Skt12pt 1/2	ST-1226	1/2Dr Skt12pt 13/16
1-160-04-3-2	4 SQ SM File w/PlHdl	BA-6A	3/8Dr HexBtSkt 3/16	M-1218	1/4Dr Skt12pt 9/16	ST-1228	1/2Dr Skt12pt 7/8
1-170-04-3-2	4 3 SQ SM File w/PlHdl	BA-7A	3/8Dr HexBtSkt 7/32	M-102	1/4Dr Ext 2	ST-1230	1/2Dr Skt12pt 15/16
1-210-04-3-2	4 1/2RD SM File w/PlHdl	BA-8A	3/8Dr HexBtSkt 1/4	M-104	1/4Dr Ext 4	ST-1232	1/2Dr Skt12pt 1
1-230-04-3-2	4 RD SM File w/PlHdl	BD-1208	3/8Dr Dp Skt12pt 1/4	M-106A	1/4Dr Spinner Hdle	ST-1234	1/2Dr Skt12pt 1-1/16
23152	SideCut SlJt Pls 7-1/2	BD-1210	3/8Dr Dp Skt12pt 5/16	M-115	1/4Dr Ext 6	ST-1236	1/2Dr Skt12pt 1-1/8
23503	Wire Stripper / Crimper	BD-1212	3/8Dr Dp Skt12pt 3/8	M-140A	1/4Dr U-Joint	ST-1238	1/2Dr Skt12pt 1-3/16
PL-77C	Chn Nose PlsxL Nose 7-3/4	BD-1214	3/8Dr Dp Skt12pt 7/16	M-52EHA	1/4Dr Encl Hd Ratchet 5	ST-1240	1/2Dr Skt12pt 1-1/4
24401	3/16x3 Ntdrv Csh Gr	BD-1216	3/8Dr Dp Skt12pt 1/2	MD-1210	1/4Dr Dp Skt12pt 5/16	ST-1242	1/2Dr Skt12pt 1-5/16
24403	1/4x3 Ntdrv Csh Gr	BD-1218	3/8Dr Dp Skt12pt 9/16	MD-1211	1/4Dr Dp Skt12pt 11/3	W26RC7	26" Roll Cabinet
24405	5/16x3 Ntdrv Csh Gr	BD-1220	3/8Dr Dp Skt12pt 5/8	MD-1212	1/4Dr Dp Skt12pt 3/8	W26TC4	26" Top Chest
24407	11/32x3 Ntdrv Csh Gr	BD-1222	3/8Dr Dp Skt12pt11/16	MD-1214	1/4Dr Dp Skt12pt 7/16		
24409	3/8x3 Ntdrv Csh Gr	BD-1224	3/8Dr Dp Skt12pt 3/4	MD-1216	1/4Dr Dp Skt12pt 1/2		
24411	7/16x3 Ntdrv Csh Gr	BD-1226	3/8Dr Dp Skt12pt13/16	MD-1218	1/4Dr Dp Skt12pt 9/16		

Contents: Heavy Maintenance Service Set WSC-172TB

Refer to Master Sets Section Page 36 for Photo and Description

Note: WSC-172 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1180	WRChrSat12pt 1 5/8	B-108	3/8 DrExt 3"	H-1244	3/4Dr Skt12pt 1-3/8	PL-76C	Chn Nose Pliers, Lg Nose, 6-1/
1182	WRChrSat12pt 1 11/16	B-110	3/8 DrExt 6"	H-1246	3/4Dr Skt12pt 1-7/16	PL-8C	Comb. Slip-Joint Pliers, 8
1184	WRChrSat12pt 1 3/4	B-1208	3/8 Dr Skt12pt 1/4	H-1248	3/4Dr Skt12pt 1-1/2	RFW-12	Rat FL NUT WR 3/8
1186	WRChrSat12pt 1 13/16	B-1210	3/8 Dr Skt12pt 5/16	H-1252	3/4Dr Skt12pt 1-5/8	RFW-14	Rat FL NUT WR 7/16
1188	WRChrSat12pt 1 7/8	B-1211	3/8Dr Skt12pt 11/32	H-1254	3/4Dr Skt12pt 1-11/16	RFW-16	Rat FL NUT WR 1/2
1190	WRChrSat12pt 2	B-1212	3/8 Dr Skt12pt 3/8	H-1256	3/4Dr Skt12pt 1-3/4	RFW-18	Rat FL NUT WR 9/16
1210SC	WRChrSat12pt 5/16	B-1214	3/8 Dr Skt12pt 7/16	H-51B	3/4Dr Rev Ratchet 20	RFW-20	Rat FL NUT WR 5/8
1212SC	WRChrSat12pt 3/8	B-1216	3/8 Dr Skt12pt 1/2	HK-050	L-Type Hex Key, .050	S-102P	1/2Dr Ext 2
1214SC	WRChrSat12pt 7/16	B-1218	3/8 Dr Skt12pt 9/16	HK-1/16	L-Type Hex Key, 1/16	S-110P	1/2 Dr. Extension, 5-1/2
1216SC	WRChrSat12pt 1/2	B-1220	3/8 Dr Skt12pt 5/8	HK-5/64	L-Type Hex Key, 5/64	S-115P	1/2 Dr. Extension, 10
1218SC	WRChrSat12pt 9/16	B-1222	3/8 Dr Skt12pt 11/16	HK-3/32	L-Type Hex Key, 3/32	S-140A	1/2 Dr. Universal Joint
1220SC	WRChrSat12pt 5/8	B-1224	3/8 Dr Skt12pt 3/4	HK-7/64	L-Type Hex Key, 7/64	S-15A	1/2Dr Speeder 18-7/8
1222SC	WRChrSat12pt 11/16	B-1226	3/8 Dr Skt12pt 13/16	HK-1/8	L-Type Hex Key, 1/8	S-20A	1/2Dr Sliding T Hdle
1224SC	WRChrSat12pt 3/4	B-1228	3/8 Dr Skt12pt 7/8	HK-9/64	L-Type Hex Key, 9/64	S-41AA	1/2 Dr. Flex Handle, 17
1226SC	WRChrSat12pt 13/16	B-1230	3/8 Dr Skt12pt 15/16	HK-5/32	L-Type Hex Key, 5/32	S-52EHA	1/2 Dr Encl Head Rat 10-3/8
1228SC	WRChrSat12pt 7/8	B-1232	3/8 Dr Skt12pt 1	HK-3/16	L-Type Hex Key, 3/16	S-60D	1/2Dr Stud Remover
1230SC	WRChrSat12pt 15/16	B-140A	3/8Dr U-Joint	HK-7/32	L-Type Hex Key, 7/32	SA-10A	1/2 Dr. Hex Bit Skt, 5/16
1232SC	WRChrSat12pt 1	B-40A	3/8Dr FlHdl	HK-1/4	L-Type Hex Key, 1/4	SA-12A	1/2 Dr. Hex Bit Skt, 3/8
1234SC	WRChrSat12pt 1-1/16	B-52EHA	3/8Dr EncHd Rat 8	HK-5/16	L-Type Hex Key 5/16	SA-16A	1/2 Dr. Hex Bit Skt, 1/2
1236SC	WRChrSat12pt 1-1/8	C-10	Cold Chisel, 5/16	HK-3/8	L-Type Hex Key, 3/8	SA-18A	1/2 Dr. Hex Bit Skt, 9/16
1240SC	WRChrSat12pt 1-1/4	C-126	X-Lg Cd Chs 3/4 Flat 18	HSF-150A	Hmr Body 12oz 1-1/2	SA-20A	1/2 Dr. Hex Bit Skt, 5/8
1242	WRChrSat12pt 1-5/16	C-16	Cold Chisel, 1/2	HSF-15M	Hmr Tip Medium 1-1/2	SA-8A	1/2 Dr. Hex Bit Skt, 1/4
1244	WRChrSat12pt 1 3/8	C-24	Cold Chisel, 3/4	HSF-15T	Hmr Tip Tough 1-1/2	SD-1216	1/2 Dr. Dp Skt, 12-Pt, 1/2
1246	WRChrSat12pt 1 7/16	C-28	Cd Chs 7/8	P-14	Sldpch 1/8 PT 5	SD-1218	1/2 Dr. Dp Skt, 12-Pt, 9/16
1248	WRChrSat12pt 1 1/2	C-62	Diamond PT Chs 3/8	P-15	Solid Punch, 5/32 Point, 5	SD-1220	1/2 Dr. Dp Skt, 12-Pt, 5/8
13408A	Adj WR 8 Chr	C-718	Roll Bar	P-17	Sldpch 1/4 PT 5	SD-1222	1/2 Dr. Dp Skt, 12-Pt, 11/16
13412A	Adj WR 12 Chr	C-82	Pch Bar 3/4 Flat 15-7/8	P-28	LgTprPch 1/4 PT 12	SD-1224	1/2 Dr. Dp Skt, 12-Pt, 3/4
20542	Bl PN Hmr 8oz	CC-404C	C-Cl Cpr Screw 4	P-32	Prickpch 1/2 PT 6	SD-1226	1/2 Dr. Dp Skt, 12-Pt, 13/16
20544	Bl PN Hmr 1 Lb	CC-406C	C-Cl Cpr Screw 6	P-4	Pin Punch, 1/8 Point. 4-3/4	SD-1228	1/2 Dr. Dp Skt, 12-Pt, 7/8
20651	CrPN Hmr 3 Lb	CW-4	Chain WR	P-40	Center Punch, 3/8 Point, 5	SD-1230	1/2 Dr. Dp Skt, 12-Pt, 15/16
8033C	BxWR 12pt 15/16x1	GS-1	MasterFeelerGaugeSet	P-6	Pin Punch, 3/16 Point, 5-1/4	SD-1232	1/2 Dr. Dp Skt, 12-Pt, 1
8720	BxWR 12pt 1/4x5/16	H-104	3/4Dr Ext 3	P-8	Pin Punch, 1/4 Point, 5-3/4	SD-1234	1/2 Dr. Dp Skt, 12-Pt, 1-1/16
8723	BxWR 12pt 3/8x7/16	H-110	3/4Dr Ext 8	PL-116C	Needle Nose Pliers, Lg Nose, 7	SD-1236	1/2 Dr. Dp Skt, 12-Pt, 1-1/8
8725B	BxWR 12pt 1/2x9/16	H-1232	3/4Dr Skt12pt 1	PL-1515	Lock Ring Pliers, 8	SDP-1-3	Scr Ph 1-Pt 3
8727	BxWR 12pt 9/16x5/8	H-1234	3/4Dr Skt12pt 1-1/16	PL-1520C	Utility Superjoint Pliers, 10	SDP-2-4	Scr Ph 2-Pt 4
8727A	BxWR 12pt 5/8x11/16	H-1236	3/4Dr Skt12pt 1-1/8	PL-1524C	Utility Superjoint Pliers, 16	SDP-2-ST	Scr Ph 2-Pt S
8729A	BxWR 12pt1 1/16x13/1	H-1240	3/4Dr Skt12pt 1-1/4	PL-1600C	Snap Ring Pliers & Tips Set	SDP-3-6	Scr Ph 3-Pt 6
8731A	BxWR 12pt 3/4x7/8	H-1242	3/4Dr Skt12pt 1-5/16	PL-57C	Diag. Cutting Pliers, Hi Lvrg,	SDP-4-6	Scr Ph 4-Pt 6

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Heavy Maintenance Service Set WSC-172TB (con't)

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
SDR-24	Sl-Rd Shank-4 (1/4)	ST-1212	1/2 Dr. Std Skt, 12-Pt, 3/8	ST-1222	1/2 Dr. Std Skt, 12-Pt, 11/16	ST-1232	1/2 Dr. Std Skt, 12-Pt, 1
SDR-26	Sl-Sq Shank-6 (5/16)	ST-1214	1/2 Dr. Std Skt, 12-Pt, 7/16	ST-1224	1/2 Dr. Std Skt, 12-Pt, 3/4	ST-1234	1/2 Dr. Std Skt, 12-Pt, 1-1/1
SDR-28	Sl-Sq Shank-8 (3/8)	ST-1216	1/2 Dr. Std Skt, 12-Pt, 1/2	ST-1226	1/2 Dr. Std Skt, 12-Pt, 13/16	ST-1236	1/2 Dr. Std Skt, 12-Pt, 1-1/8
SDS-33	Sl-Sq Shank-12 (3/8)	ST-1218	1/2 Dr. Std Skt, 12-Pt, 9/16	ST-1228	1/2 Dr. Std Skt, 12-Pt, 7/8	ST-1240	1/2 Dr. Std Skt, 12-Pt, 1-1/4
SDS-62	Stby Sl Tip 1-1/2x1/4	ST-1220	1/2 Dr. Std Skt, 12-Pt, 5/8	ST-1230	1/2 Dr. Std Skt, 12-Pt, 15/16		

Contents: Electrical Maintenance Service Set WSC-167TB

Refer to Master Sets Section Page 37 for Photo and Description

Note: WSC-167 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1112A	Min OE WRChrSat 3/16	23542	Elec Mini-Stripper 5-1/2	40150	Tel Pick-Up Tl	BE-8640S	Scr Ins Ph® 4-Pt 14-1/4
1113A	Min OE WRChrSat 13/64	23543	Elec Mini-Crimper 5-1/2	40251	4pc Ut Tl Set	HK-050	L-Type Hex Key, .050
1114A	Min OE WRChrSat 7/32	2427 S-200	60° Crv Nose Pl Ins 8	8223	Adj Joint Pls 8	HK-1/16	L-Type Hex Key, 1/16
1115A	Min OE WRChrSat 15/64	24401	3/16x3 Ntdrv Csh Gr	8224	Adj Joint Pls 10	HK-1/4	L-Type Hex Key, 1/4
1116A	Min OE WRChrSat 1/4	24403	1/4x3 Ntdrv Csh Gr	850002	Tape Rule 1x30	HK-1/8	L-Type Hex Key, 1/8
1118A	Min OE WRChrSat 9/32	24405	5/16x3 Ntdrv Csh Gr	B-108	3/8Dr Ext 3	HK-3/16	L-Type Hex Key, 3/16
1120A	Min OE WRChrSat 5/16	24407	11/32x3 Ntdrv Csh Gr	B-1208	3/8Dr Skt12pt 1/4	HK-3/32	L-Type Hex Key, 3/32
1122A	Min OE WRChrSat 11/32	24409	3/8x3 Ntdrv Csh Gr	B-1210	3/8Dr Skt12pt 5/16	HK-3/8	L-Type Hex Key, 3/8
1124A	Min OE WRChrSat 3/8	24411	7/16x3 Ntdrv Csh Gr	B-1212	3/8Dr Skt12pt 3/8	HK-5/16	L-Type Hex Key 5/16
1128A	Min OE WRChrSat 7/16	24413	1/2x3 Ntdrv Csh Gr	B-1214	3/8Dr Skt12pt 7/16	HK-5/32	L-Type Hex Key, 5/32
1132A	Min OE WRChrSat 1/2	2520 S	Cable Ctr Rubber Grs 23-5/8	B-1216	3/8Dr Skt12pt 1/2	HK-5/64	L-Type Hex Key, 5/64
1136A	Min OE WRChrSat 9/16	2533-7	Lg Ns Pl Grs 7	B-1218	3/8Dr Skt12pt 9/16	HK-7/32	L-Type Hex Key, 7/32
1140A	Min OE WRChrSat 5/8	2628 G-180	Side-Cut Comb Pls -8	B-1220	3/8Dr Skt12pt 5/8	HK-7/64	L-Type Hex Key, 7/64
1210RC	Rev Rat Comb WR 5/16	2628 S-200	Side Cut Comb Pl Ins Gr 8	B-1222	3/8Dr Skt12pt 11/16	HK-9/64	L-Type Hex Key, 9/64
1212RC	Rev Rat Comb WR 3/8	300-14-F15/16-HP	TIBx Saw Pl14 15TPI	B-1224	3/8Dr Skt12pt 3/4	JHW-24	Deadblow Hmr 24oz
1214RC	Rev Rat Comb WR 7/16	325	Prof Hksw Hdle 12	B-52EHA	3/8Dr Encl Hd Rat 8	M-102	1/4Dr Ext 2
1216RC	Rev Rat Comb WR 1/2	3830-22-VIP	Bi Holesaw 7/8	BA-10LA	Lg HexBtSkt 5/16	M-106A	1/4Dr Spinner Hdle
1218RC	Rev Rat Comb WR 9/16	3830-29-VIP	Bi Holesaw 1 1/8	BA-12LA	Lg HexBtSkt 3/8	M-140A	1/4Dr U-Joint
1220RC	Rev Rat Comb WR 5/8	3830-35-VIP	Bi Holesaw 1 3/8	BA-4LA	Lg HexBtSkt 1/8	M-52EHA	1/4Dr Encl Hd Ratchet 5
1222RC	Rev Rat Comb WR 11/16	3830-44-VIP	Bi Holesaw 1 3/4	BA-5LA	Lg HexBtSkt 5/32	M-604	1/4Dr Skt6pt 1/8
1224RC	Rev Rat Comb WR 3/4	3830-51-VIP	Bi Holesaw 2	BA-6LA	Lg HexBtSkt 3/16	M-605	Skt6pt 5/32
13406A	6" Chr Adj WR - Pol Hd	3830-64-VIP	Bi Holesaw 2 1/2	BA-7LA	Lg HexBtSkt 7/32	M-606	Skt6pt 3/16
20401	20oz Crv Claw Hmr	3834-ARBR-11152QC	Hlsw Arb Fits 1 1/4 To 6	BA-8LA	Lg HexBtSkt 1/4	M-607	Skt6pt 7/32
20544	16oz Bl PN Hmr	3834-ARBR-730	Hlsw Arb Fits 9/16 To 1 3/16	BB-526	3/8Dr Penta-Skt	M-608	Skt6pt 1/4
2101S-160	Diag Cut Pl Insul 6-1/4	3834-EXT-1	Holesaw Ext	BE-8010S	Scr Ins Sl 7x3x1/8	M-609	Skt6pt 9/32
2101S-180	Diag Cut Pl Ins 7	3840-100-10-SC-1P	BiRecipBL 4 10TPI	BE-8020	Sl Scr 2x1/8 Tip 6	M-610	Skt6pt 5/16
2101S-200	Diag Cut Pl Ins 8	3840-100-18-SC-1P	BiRecipBL 4 18TPI	BE-8040	Sl Scr 4x5/32xtip 8 3/4	M-611	Skt6pt 11/32
2203-8	Diag Cut Pl Str 8	3840-100-24-ST-1P	BiRecipBL 4 24TPI U-Thg	BE-8050S	Scr Ins Sl 8-3/4x4x5/32	M-612	Skt6pt 3/8
23303	Curv Lock-Pl Cutr10	3840-100-6-ST-1P	BiRecipBL 4 6TPI U-Thg	BE-8065S	Scr Ins Sl Ergo13-1/2x7x1/4	M-614	Skt6pt 7/16
23309	Lg Lock-Pl W/Ctr 6	3840-150-10-ST-1P	BiRecipBL 6 10TPI U-Thg	BE-8150	Sl Scr 4x7/32xtip 8 3/4	M-616	Skt6pt 1/2
23503	FrEnd Strip-Cut/Crmp	3840-150-14-ST-1P	BiRecipBL 6 14TPI U-Thg	BE-8155	Sl Scr 5x1/4 Tip9 3/46	M-618	Skt6pt 9/16
23506	Hd Strp/Ctr 10-20	3840-150-18-ST-1P	BiRecipBL 6 18TPI U-Thg	BE-8230S	Scr Ins Sl 9-3/4x5x1/8	MB-131BA	1/4Dr Adp 1/4 M & 3/8 F Blk
23512	12-2 14-2 Romex Strpr	3840-150-24-ST-1P	BiRecipBL 6 24TPI U-Thg	BE-8255S	Scr Ins Sl 11-3/4x7x3/16	PC-6-DRY	Drywall Saw
23515	10-2 Romex Stripper	3840-150-5/8-SL-1P	BiRecipBL 6 5/8TPI	BE-8600S	Scr Ins Ph® 0-Pt 7	PL-1519C	Superjoint Pls 5
23521	Hd Strp/Ctr 22-30	3840-150-7-SL-1P	BiRecipBL 6 7TPI	BE-8610	Ph Scr 3x1 Pt 7 3/4	PL-209X	Lnms'S Pl Comf Gr 9 -1/2
23530	Coax Cable Tl	3906-300-18-10P	10P Hksw Bl	BE-8610S	Scr Ins Ph® 1-Pt 8	W40RC7	40" Roll Cabinet
23533	Cg Super Stripper 10-18	40052	Qkbld Autoload Ut Kn	BE-8620	Ph Scr 4x2 Pt 8 3/4	WRS-1	Rat Scrdrvr
23535	Cg Super Stripper 20-30	40058	Fldg Ut Knife	BE-8620S	Scr Ins Ph® 2-Pt 8-3/4		
23541	Elec Mini-Ctr 5-1/2	40072	QckBl DispBulk	BE-8630S	Scr Ins Ph® 3-Pt 11-3/4		

Contents: Petroleum Oilfield Service Set - WMSC-142TB

Refer to Master Sets Section Page 38 for Photo and Description

Note: WMSC-142 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
038.055.100	Thru-Bld Slotted Scr -8-1/2"	1230SC	Sc Combo Wr 12pt 15/16"	B-1228	3/8" Dr Std Skt 12pt 7/8"	MM-606	1/4" Dr Std Skt 6-Pt 6MM
038.065.125	Thru-Bld Slotted Scr -10	1232SC	Sc Combo Wr 12pt 1"	B-140A	3/8" Dr Uni Jt	MM-607	1/4" Dr Std Skt 6-Pt 7MM
038.080.150	Thru-Bld Slotted Scr -11-1/2"	23524	Front End Crmp Strp/Ctr	B-40A	3/8" Dr Flex Hdl	MM-608	1/4" Dr Std Skt 6-Pt 8MM
040.001.100	Thru-Bld Pozidriv® Scr -8-1/2"	31606	3/8" Dr Std Skt 12pt 6MM	B-52EHA	3/8" Dr Enclosed Head Ratchet 8"	MM-609	1/4" Dr Std Skt 6-Pt 9MM
040.002.125	Thru-Bld Pozidriv® Scr -10	31607	3/8" Dr Std Skt 12pt 7MM	M-106A	1/4" Dr Spinner Hdl	MM-610	1/4" Dr Std Skt 6-Pt 10MM
040.003.150	Thru-Bld Pozidriv® Scr -11-1/2"	31608	3/8" Dr Std Skt 12pt 8MM	M-106A	1/4" Dr Spinner Hdl	MM-611	1/4" Dr Std Skt 6-Pt 11MM
1207MSC	Sc Combo Wr 12pt 7MM	31609	3/8" Dr Std Skt 12pt 9MM	M-115	1/4" Dr Extension 6"	MM-612	1/4" Dr Std Skt 6-Pt 12MM
1208MSC	Sc Combo Wr 12pt 8MM	31610	3/8" Dr Std Skt 12pt 10MM	M-140A	1/4" Dr Uni Joint	MM-613	1/4" Dr Std Skt 6-Pt 13MM
1209MSC	Sc Combo Wr 12pt 9MM	31611	3/8" Dr Std Skt 12pt 11MM	M-52EHA	1/4" Dr Enclosed Head Ratchet 5-1/4"	MM-614	1/4" Dr Std Skt 6-Pt 14MM
1210MSC	Sc Combo Wr 12pt 10MM	31612	3/8" Dr Std Skt 12pt 12MM	M-605	1/4" Dr Std Skt 6-Pt 5/32"	MMD-604	1/4" Dr Deep Skt 6-Pt 4MM
1211MSC	Sc Combo Wr 12pt 11MM	31613	3/8" Dr Std Skt 12pt 13MM	M-606	1/4" Dr Std Skt 6-Pt 3/16"	MMD-605	1/4" Dr Deep Skt 6-Pt 5MM
1212MSC	Sc Combo Wr 12pt 12MM	31614	3/8" Dr Std Skt 12pt 14MM	M-607	1/4" Dr Std Skt 6-Pt 7/32"	MMD-605.5	1/4" Dr Deep Skt 6-Pt 5.5MM
1213MSC	Sc Combo Wr 12pt 13MM	31615	3/8" Dr Std Skt 12pt 15MM	M-608	1/4" Dr Std Skt 6-Pt 1/4"	MMD-606	1/4" Dr Deep Skt 6-Pt 6MM
1214MSC	Sc Combo Wr 12pt 14MM	31616	3/8" Dr Std Skt 12pt 16MM	M-609	1/4" Dr Std Skt 6-Pt 9/32"	MMD-607	1/4" Dr Deep Skt 6-Pt 7MM
1215MSC	Sc Combo Wr 12pt 15MM	31617	3/8" Dr Std Skt 12pt 17MM	M-610	1/4" Dr Std Skt 6-Pt 5/16"	MMD-608	1/4" Dr Deep Skt 6-Pt 8MM
1217MSC	Sc Combo Wr 12pt 17MM	31618	3/8" Dr Std Skt 12pt 18MM	M-611	1/4" Dr Std Skt 6-Pt 11/32"	MMD-609	1/4" Dr Deep Skt 6-Pt 9MM
1210RC	Ratcheting Combo Wr 12Pt 5/16"	31619	3/8" Dr Std Skt 12pt 19MM	M-612	1/4" Dr Std Skt 6-Pt 3/8"	MMD-610	1/4" Dr Deep Skt 6-Pt 10MM
1212RC	Ratcheting Combo Wr 12Pt 3/8"	40150	Telescopic Pick-Up Tool	M-614	1/4" Dr Std Skt 6-Pt 7/16"	MMD-611	1/4" Dr Deep Skt 6-Pt 11MM
1214RC	Ratcheting Combo Wr 12Pt 7/16"	706-1	Prec Screwdrr Set, 4 Slotted & 2 Phillips	M-616	1/4" Dr Std Skt 6-Pt 1/2"	MMD-612	1/4" Dr Deep Skt 6-Pt 12MM
1216RC	Ratcheting Combo Wr 12Pt 1/2"	900T-10US	10 Pcs, T Hdl Set, Sae	M-618	1/4" Dr Std Skt 6-Pt 9/16"	MMD-613	1/4" Dr Deep Skt 6-Pt 13MM
1218RC	Ratcheting Combo Wr 12Pt 9/16"	AB-6A	Adj. Wr 6" Black	MD-606	1/4" Dr Deep Skt 6-Pt 3/16"	MMD-614	1/4" Dr Deep Skt 6-Pt 14MM
1220RC	Ratcheting Combo Wr 12Pt 5/8"	AB-8A	Adj. Wr 8" Black	MD-607	1/4" Dr Deep Skt 6-Pt 7/32"	PL-114CS	Needle Nose Pliers Short Nose 4-1/2"
1222RC	Ratcheting Combo Wr 12Pt 11/16"	B-108	3/8" Dr Extension 3"	MD-608	1/4" Dr Deep Skt 6-Pt 1/4"	PL-126C	Curved Chain Nose Pliers 6-1/4"
1224RC	Ratcheting Combo Wr 12Pt 3/4"	B-110	3/8" Dr Extension 6"	MD-609	1/4" Dr Deep Skt 6-Pt 9/32"	PL-1520C	Utility Superjoint Pliers 10"
1212SC	Sc Combo Wr 12pt 3/8"	B-115	3/8" Dr Extension 11"	MD-610	1/4" Dr Deep Skt 6-Pt 5/16"	PL-46C	Dia Cutting Pliers, Reg, 6"
1214SC	Sc Combo Wr 12pt 7/16"	B-1212	3/8" Dr Std Skt 12pt 3/8"	MD-611	1/4" Dr Deep Skt 6-Pt 11/32"	PL-6C	Combo Slip-Joint Pliers 6"
1216SC	Sc Combo Wr 12pt 1/2"	B-1214	3/8" Dr Std Skt 12pt 7/16"	MD-612	1/4" Dr Deep Skt 6-Pt 3/8"	PL-75C	Chain Nose Pliers Long Nose 6-3/4"
1218SC	Sc Combo Wr 12pt 9/16"	B-1216	3/8" Dr Std Skt 12pt 1/2"	MD-614	1/4" Dr Deep Skt 6-Pt 7/16"	PLM-1CS	Dia Cutting Pliers, Flush, , 4-1/4"
1220SC	Sc Combo Wr 12pt 5/8"	B-1218	3/8" Dr Std Skt 12pt 9/16"	MD-616	1/4" Dr Deep Skt 6-Pt 1/2"	SOTGA294	Mirror Rectangular
1222SC	Sc Combo Wr 12pt 11/16"	B-1220	3/8" Dr Std Skt 12pt 5/8"	MD-618	1/4" Dr Deep Skt 6-Pt 9/16"	SOTPWC52A	Connector Plier
1224SC	Sc Combo Wr 12pt 3/4"	B-1222	3/8" Dr Std Skt 12pt 11/16"	MM-604	1/4" Dr Std Skt 6-Pt 4MM	SOTPWC80A	Cable Cutter
1226SC	Sc Combo Wr 12pt 13/16"	B-1224	3/8" Dr Std Skt 12pt 3/4"	MM-605	1/4" Dr Std Skt 6-Pt 5MM	W40RC7	40" W x 20" Deep 7 Drawer Roll Cab
1228SC	Sc Combo Wr 12pt 7/8"	B-1226	3/8" Dr Std Skt 12pt 13/16"	MM-605.5	1/4" Dr Std Skt 6-Pt 5.5MM		

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Industrial Plumbing & Pipefitting Tool Set WSC-137TB

Refer to Master Sets Section Page 38 for Photo and Description

Note: WSC-137 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1210RC	Rev Rat Comb WR 5/16	21661	2pc PryBar	3840-150-24-ST-1P	BiRecipBL 6 24TPI U-Thg	87038	Collet 3/8 NPT
1212RC	Rev Rat Comb WR 3/8	2213-8	Diagional Cut Pl Angled 8	3840-100-10-SC-1P	BiRecipBL 4 10TPI	9031 R US	Blkx-Wide Adj WR 8
1214RC	Rev Rat Comb WR 7/16	23303	Curv Lock-PL Cutr10	3840-100-24-ST-1P	BiRecipBL 4 24TPI U-Thg	9070 RP US	Blk Adj/Pipe WR 6
1216RC	Rev Rat Comb WR 1/2	23309	Lg Lock-PL W/Ctr 6	3840-150-10-ST-1P	BiRecipBL 6 10TPI U-Thg	9072 RP US	Blk Adj/Pipe WR 10
1218RC	Rev Rat Comb WR 9/16	24205A	Sl Scr 3/16x4	3840-150-18-ST-1P	BiRecipBL 6 18TPI U-Thg	9073 RP US	Blk Adj/Pipe WR 12
1210SC	WRChrSat12pt 5/16	24217A	Sl Scr 1/4x1 1/2	3840-150-7-SL-1P	BiRecipBL 6 7TPI	C-10	Cd Chs 5 StSz 5/16
1212SC	WRChrSat12pt 3/8	24219A	Sl Scr 1/4x4	3906-300-18-10P	10P Bi Hksw Bl	C-16	Cd Chs 6 StSz 3/8
1214SC	WRChrSat12pt 7/16	24237A	Sl Scr 5/16x6	40052	Qkbld Autoload Ut Kn	C-24	Cd Chs 7 StSz 5/8
1216SC	WRChrSat12pt 1/2	24241A	Sl Scr 3/8x8	40058	Fldg Ut Knife	C-715	Roll Bar 16
1218SC	WRChrSat12pt 9/16	24249A	Ph Scr # 1x3	40072	QckBl DispBulk	CC-406C	C-Cl Cpr SCr 6
1220RC	Rev Rat Comb WR 5/8	24251A	Ph Scr # 2x1 1/2	40150	Tel Pick-Up Tl	CW-4	Chain Wr
1222RC	Rev Rat Comb WR 11/16	24253A	Ph Scr # 2x4	40251	4pc Ut Tl Set	FJ-20	Flange Jacks Pair
1224RC	Rev Rat Comb WR 3/4	2533-7	Lg Ns Pl Grs 7	40221	12 Strap WR	GSC-12	GsktScpr-8-3/4x1 1/2
1220SC	WRChrSat12pt 5/8	28205	Av Snips Str Cut	43603	Mini-Tube Ctr 5/8	JHW-48	Deadblow Hmr 48oz
1222SC	WRChrSat12pt 11/16	28307	Str Snips 12	43607	Tube Ctr 2-5/8	P-15	Sldpch 5 StSz 3/8
1224SC	WRChrSat12pt 3/4	28449	Pch / Chs Holder	43618	Pl Hose Ctr	P-4	Pinpch 5 StSz 5/16
1226SC	WRChrSat12pt 13/16	300-14-F15/16-HP	TlBx Saw Pl14 15TPI	43621	Tube Bender 3/8 Cap	P-40	Centerpch 5 StSz 3/8
1228SC	WRChrSat12pt 7/8	325	Prof Hksw Hdle 12	43631	45° FlaRg Tl	P-6	Pinpch 5-1/2 StSz 5/16
1230SC	WRChrSat12pt 15/16	3830-22-VIP	Bi Holesaw 7/8	8226	Adj Joint Pls 16	P-8	Pinpch 7 StSz 3/8
1232SC	WRChrSat12pt 1	3830-29-VIP	Bi Holesaw 1 1/8	8225	Adj Joint Pls 12	PC-6-DRY	Dry Wall Saw
1234SC	WRChrSat12pt 1-1/16	3830-35-VIP	Bi Holesaw 1 3/8	8231	Adj Jt Pls 8- X-W Jaw	PL-8C	Cb Slip-Joint Pls 8
1236SC	WRChrSat12pt 1-1/8	3830-44-VIP	Bi Holesaw 1 3/4	850002	Tape Rule 1x30	RFW-12	Rat FL NUT WR 3/8
1240SC	WRChrSat12pt 1-1/4	3830-51-VIP	Bi Holesaw 2	87039	Stud Rem/Inst Housing	RFW-14	Rat FL NUT WR 7/16
13415A	15 Chr Adj WR - Pol Hd	3830-64-VIP	Bi Holesaw 2 1/2	87040	Collet 1/2 NPT	RFW-16	Rat FL NUT WR 1/2
13418A	18 Chr Adj WR - Pol Hd	3834-ARBR-730	Hlsw Arb 9/16 - 1-3/16	87041	Collet 3/4 NPT	RFW-18	Rat FL NUT WR 9/16
13522	12 Pipe Wr Cast HD	3834-ARBR-11152QC	Hlsw Arb 1-1/4 to 6	87042	Stud Rem/Inst Hsg	RFW-20	Rat FL NUT WR 5/8
13526	18 Pipe Wr Cast HD	3834-EXT-1	Holesaw Ext	87043	Collet 1 NPT	RFW-22	Rat FL NUT WR 11/16
13510	24 Pipe Wr Alum HD	3840-100-6-ST-1P	BiRecipBL 4 6TPI U-Thg	87044	Collet 1 1/2 NPT	RFW-24	Rat FL NUT WR 3/4
147	Univ-WR 41-3/4	3840-100-18-SC-1P	BiRecipBL 4 18TPI	87035	Stud Rem/Inst Housing	WRS-1	Rat Scr
20401	20oz Crv Claw Hmr	3840-150-5/8-SL-1P	BiRecipBL 6 5/8TPI	87036	Collet 1/8 NPT	W40RC7	40" Roll Cabinet
20651	48oz CrPN Hmr	3840-150-14-ST-1P	BiRecipBL 6 14TPI U-Thg	87037	Collet 1/4 NPT		

Contents: Maintenance Tool Set WSC-130TB

Refer to Master Sets Section Page 39 for Photo and Description

Note: WSC-130 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
11312	Stubby Combo Wr 3/8"	24803	1/4" X 1" Hex Bit, Slotted 5/32"	31128	7/8" Std 6Pt Skt 3/8" Dr	32128	1/2 Dr Std Soc 6-Pt 7/8
11314	Stubby Combo Wr 7/16"	24805	1/4" X 1" Hex Bit, Slotted 3/16"	31130	15/16" Std 6Pt Skt 3/8" Dr	32130	1/2 Dr Std Soc 6-Pt 15/16
11316	Stubby Combo Wr 1/2"	24807	1/4" X 1" Hex Bit, Slotted 1/4"	31132	1" Std 6Pt Skt 3/8" Dr	32132	1/2 Dr Std Soc 6-Pt 1
11318	Stubby Combo Wr 9/16"	24809	1/4" X 1" Hex Bit, Phillip #0	31506	6Mm Std 6Pt Skt 3/8" Dr	32134	1/2 Dr Std Soc 6-Pt 1-1/16
11320	Stubby Combo Wr 5/8"	24811	1/4" X 1" Hex Bit, Phillip #1	31507	7Mm Std 6Pt Skt 3/8" Dr	32136	1/2 Dr Std Soc 6-Pt 1-1/8
11322	Stubby Combo Wr 11/16"	24813	1/4" X 1" Hex Bit, Phillip #2	31508	8Mm Std 6Pt Skt 3/8" Dr	32138	1/2 Dr Std Soc 6-Pt 1-3/16
11324	Stubby Combo Wr 3/4"	24815	1/4" X 1" Hex Bit, Phillip #3	31509	9Mm Std 6Pt Skt 3/8" Dr	32140	1/2 Dr Std Soc 6-Pt 1-1/4
11952	3/8 Cmb Wr Offset	24819	1/4" X 1" Hex Bit, Square #1	31510	10Mm Std 6Pt Skt 3/8" Dr	50721	3Drw 34 Cart-Rb Red
11953	7/16 Cmb Wr Offset	24821	1/4" X 1" Hex Bit, Square #2	31511	11Mm Std 6Pt Skt 3/8" Dr	625	Carbide Scraper ergo® 1"
11954	1/2 Cmb Wr Offset	24911	1/4 X 1 Hex Bit Hex 1/8	31512	12Mm Std 6Pt Skt 3/8" Dr	C-10	Cold Chisel 5/16"
11955	9/16 Cmb Wr Offset	24915	1/4 X 1 Hex Bit Hex 5/32	31513	13Mm Std 6Pt Skt 3/8" Dr	C-16	Cold Chisel 1/2"
11956	5/8 Cmb Wr Offset	24919	1/4 X 1 Hex Bit Hex 7/32	31514	14Mm Std 6Pt Skt 3/8" Dr	C-24	Cold Chisel 3/4"
11957	11/16 Cmb Wr Offset	24921	1/4 X 1 Hex Bit Hex 1/4	31515	15Mm Std 6Pt Skt 3/8" Dr	GSC-12	Gasket Scraper-8-3/4 X 1 1/2"
11958	3/4 Cmb Wr Offset	31001	3/8" Dr Ratchet 7-3/4"	31516	16Mm Std 6Pt Skt 3/8" Dr	HK-050	L-Type Hex Key, .050
11959	13/16 Cmb Wr Offset	31002	3" Ext 3/8" Dr	31517	17Mm Std 6Pt Skt 3/8" Dr	HK-1/16	L-Type Hex Key, 1/16
11960	7/8 Cmb Wr Offset	31003	6" Ext 3/8" Dr	31518	18Mm Std 6Pt Skt 3/8" Dr	HK-1/4	L-Type Hex Key, 1/4
13408A	8" Chrome Adj Wr	31004	10" Ext 3/8" Dr	31519	19Mm Std 6Pt Skt 3/8" Dr	HK-1/8	L-Type Hex Key, 1/8
13412A	12" Chrome Adj Wr	31005	10" 3/8" Dr Flex Bar	32001	1/2 Dr Ratchet 9-7/8	HK-3/16	L-Type Hex Key, 3/16
13524	14" HD Pipe Wr	31006	3/8" Dr Universal Joint	32002	3 In 1/2 Dr Ext	HK-3/32	L-Type Hex Key, 3/32
20544	16oz Bl PN Hmr	31007	3/8" Dr Sliding T-Handle	32003	6 In 1/2 Dr Ext	HK-3/8	L-Type Hex Key, 3/8
23102	8" Slip Joint Pliers	31008	3/8" F X 1/4" M Adapter	32004	10 In 1/2 Dr Ext	HK-5/16	L-Type Hex Key 5/16
23105	9-3/4" Groove Joint Pliers	31009	3/8" F X 1/2" M Adapter	32005	15 In 1/2 Dr Flex Bar	HK-5/32	L-Type Hex Key, 5/32
23406	6-1/4" Diagonal	31013	3/8"Dr. 1/4" Bit Holder	32006	1/2 Dr Universal Joint	HK-5/64	L-Type Hex Key, 5/64
23407	7" Diagonal Cutting Pliers	31108	1/4" Std 6Pt Skt 3/8" Dr	32008	1/2 F X 3/8 M Adapter	HK-7/32	L-Type Hex Key, 7/32
23409	6-1/4" LN Pliers With Side Cutter	31110	5/16" Std 6Pt Skt 3/8" Dr	32009	1/2 F X 3/4 M Adapter	HK-7/64	L-Type Hex Key, 7/64
24205A	Scr 3/16X4" Rd Slotted	31112	3/8" Std 6Pt Skt 3/8" Dr	32112	1/2 Dr Std Soc 6-Pt 3/8	HK-9/64	L-Type Hex Key, 9/64
24217A	Scr 1/4X1-1/2" Rd Slotted	31114	7/16" Std 6Pt Skt 3/8" Dr	32114	1/2 Dr Std Soc 6-Pt 7/16	P-15	Solid Punch 5/32" Point 5"
24219A	Scr 1/4X4" Rd Slotted	31116	1/2" Std 6Pt Skt 3/8" Dr	32116	1/2 Dr Std Soc 6-Pt 1/2	P-4	Pin Punch 1/8" Point. 4-3/4"
24237A	Scr 5/16X6" Rd Slotted	31118	9/16" Std 6Pt Skt 3/8" Dr	32118	1/2 Dr Std Soc 6-Pt 9/16	P-40	Center Punch 3/8" Point 5"
24241A	Scr 3/8X8" Rd Slotted	31120	5/8" Std 6Pt Skt 3/8" Dr	32120	1/2 Dr Std Soc 6-Pt 5/8	P-6	Pin Punch 3/16" Point 5-1/4"
24249A	Scr #1 X 3 Phillips®	31122	11/16" Std 6Pt Skt 3/8" Dr	32122	1/2 Dr Std Soc 6-Pt 11/16	P-8	Pin Punch 1/4" Point 5-3/4"
24251A	Scr #2 X 1-1/2 Phillips®	31124	3/4" Std 6Pt Skt 3/8" Dr	32124	1/2 Dr Std Soc 6-Pt 3/4		
24253A	Scr #2 X 4 Phillips®	31126	13/16" Std 6Pt Skt 3/8" Dr	32126	1/2 Dr Std Soc 6-Pt 13/16		

All master set contents are subject to change over time, for updated information contact customer service or visit our website **snapon.com/industrialbrands**

Contents: Basic Machine Repair Set WSC-102TB

Refer to Master Sets Section Page 40 for Photo and Description

Note: WSC-102 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1210SC	WRChrSat12pt 5/16	HK-1/8	L-Type Hex Key, 1/8	M-606	Skt6pt 3/16	SA-16A	HexBtSkt 1/2
1212SC	WRChrSat12pt 3/8	HK-3/16	L-Type Hex Key, 3/16	P-28	LgTprPch 1/4 PT 12	SA-18A	HexBtSkt 9/16
1214SC	WRChrSat12pt 7/16	HK-3/32	L-Type Hex Key, 3/32	P-40	Centerpch 3/8 PT 5	SA-20A	HexBtSkt 5/8
1216SC	WRChrSat12pt 1/2	HK-3/8	L-Type Hex Key, 3/8	P-8	Pinpch 1/4 PT 5-3/4	SA-8A	HexBtSkt 1/4
1218SC	WRChrSat12pt 9/16	HK-5/16	L-Type Hex Key 5/16	PL-1515	Lock Rg Pls 8	SDP-1-3	Scr Ph 1-Pt 3
1220SC	WRChrSat12pt 5/8	HK-5/32	L-Type Hex Key, 5/32	PL-1520C	Ut Superjoint Pls 10	SDP-2-4	Scr Ph 2-Pt 4
1222SC	WRChrSat12pt 11/16	HK-5/64	L-Type Hex Key, 5/64	PL-1600C	Snap Rg Pls & Tips Set	SDP-3-6	Scr Ph 3-Pt 6
1224SC	WRChrSat12pt 3/4	HK-7/32	L-Type Hex Key, 7/32	PL-57C	Diag Cut Pls Hi Lvrg	SDR-24	Sl-rd Shank-4 (1/4)
1226SC	WRChrSat12pt 13/16	HK-7/64	L-Type Hex Key, 7/64	PL-76C	Chn Nose Pls Lg Nose 6-1/	SDR-26	Sl-SQ Shank-6 (5/16)
1228SC	WRChrSat12pt 7/8	HK-9/64	L-Type Hex Key, 9/64	PL-8C	Comb Slip-Joint Pls 8	ST-1212	1/2Dr Skt12pt 3/8
1230SC	WRChrSat12pt 15/16	HSF-150A	Hmr Body 12oz 1-1/2	RFW-12	Rat FL NUT WR 3/8	ST-1214	Skt12pt 7/16
1232SC	WRChrSat12pt 1	HSF-15N	Hmr Tip Med Hard 1-1/2	RFW-14	Rat FL NUT WR 7/16	ST-1216	Skt12pt 7/16
1234SC	WRChrSat12pt 1-1/16	HSF-15T	Hmr Tip Tough 1-1/2	RFW-16	Rat FL NUT WR 1/2	ST-1218	Skt12pt 7/16
1236SC	WRChrSat12pt 1-1/8	M-102	Ext 2	RFW-18	Rat FL NUT WR 9/16	ST-1220	Skt12pt 7/16
1240SC	WRChrSat12pt 1-1/4	M-106A	Spinner Hdle	RFW-20	Rat FL NUT WR 5/8	ST-1222	Skt12pt 7/16
13408A	Adj WR 8 Chr	M-1208	Skt12pt 1/4	S-102P	1/2Dr Ext 2	ST-1224	Skt12pt 7/16
13412A	Adj WR 12 Chr	M-1210	Skt12pt 5/16	S-110P	Ext 5	ST-1226	Skt12pt 7/16
20544	Bl PN Hmr 1 Lb	M-1211	Skt12pt 11/32	S-115P	Ext 10	ST-1228	Skt12pt 7/16
C-16	Cd Chs 1/2	M-1212	Skt12pt 3/8	S-140A	U-Joint	ST-1230	Skt12pt 7/16
C-24	Cd Chs 3/4	M-1214	Skt12pt 7/16	S-15A	1/2Dr Speeder 18-7/8	ST-1232	Skt12pt 7/16
C-28	Cd Chs 7/8	M-1216	Skt12pt 1/2	S-20A	1/2Dr Sliding T Hdle	ST-1234	1/2Dr Skt12pt 1-1/16
C-82	Pch Bar 3/4 Flat 15-7/8	M-1218	Skt12pt 9/16	S-41AA	FlHdl 17	ST-1236	1/2Dr Skt12pt 1-1/8
GS-1	Master Feeler Gauge Set	M-140A	Univer Joint	S-52EHA	Narrow Hd Ratchet 10 3/8	ST-1240	1/2Dr Skt12pt 1-1/4
HK-050	L-Type Hex Key, .050	M-42A	1/4Dr FlHdl	S-60D	1/2Dr Stud Remover	W26RC7	26" Roll Cabinet
HK-1/16	L-Type Hex Key, 1/16	M-52EHA	Narrow Hd Ratchet 5 1/2	SA-10A	HexBtSkt 5/16		
HK-1/4	L-Type Hex Key, 1/4	M-605	Skt6pt 5/32	SA-12A	HexBtSkt 3/8		

Contents: Oilfield Service Set - MSOS-102TB

Refer to Master Sets Section Page 40 for Photo and Description

Note: MSOS-102 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
11108	Combo Wr 12 Pt 1/4"	31001	3/8" Dr Ratchet 7-3/4"	32005	1/2" Dr Flex Hdl 15-1/2"	AP-8A	Adj. Wr 8" Chrome
11110	Combo Wr 12 Pt 5/16"	31002	3/8" Dr Extension 3"	32214	1/2" Dr Std Skt 12pt 7/16"	AP-12A	Adj. Wr 12" Chrome
11112	Combo Wr 12 Pt 3/8"	31003	3/8" Dr Extension 6"	32216	1/2" Dr Std Skt 12pt 1/2"	AP-15A	Adj. Wr 15" Chrome
11114	Combo Wr 12 Pt 7/16"	31112	3/8" Dr Std Skt 6 Pt 3/8"	32218	1/2" Dr Std Skt 12pt 9/16"	C-10	Cold Chisel 5/16"
11116	Combo Wr 12 Pt 1/2"	31114	3/8" Dr Std Skt 6-Pt 7/16"	32220	1/2" Dr Std Skt 12pt 5/8"	C-16	Cold Chisel 1/2"
11118	Combo Wr 12 Pt 9/16"	31116	3/8" Dr Std Skt 6-Pt 1/2"	32222	1/2" Dr Std Skt 12pt 11/16"	C-24	Cold Chisel 3/4"
11120	Combo Wr 12 Pt 5/8"	31118	3/8" Dr Std Skt 6-Pt 9/16"	32224	1/2" Dr Std Skt 12pt 3/4"	P-15	Solid Punch 5/32" Pt 5"
11122	Combo Wr 12 Pt 11/16"	31120	3/8" Dr Std Skt 6-Pt 5/8"	32226	1/2" Dr Std Skt 12pt 13/16"	P-4	Pin Punch 1/8" Pt. 4-3/4"
11124	Combo Wr 12 Pt 3/4"	31122	3/8" Dr Std Skt 6-Pt 11/16"	32228	1/2" Dr Std Skt 12pt 7/8"	P-40	Center Punch 3/8" Pt 5"
11126	Combo Wr 12 Pt 13/16"	31124	3/8" Dr Std Skt 6-Pt 3/4"	32230	1/2" Dr Std Skt 12pt 15/16"	P-6	Pin Punch 3/16" Pt 5-1/4"
11128	Combo Wr 12 Pt 7/8"	31301	3/8" Dr Spark Plug Skt 5/8"	32232	1/2" Dr Std Skt 12pt 1"	P-8	Pin Punch 1/4" Pt 5-3/4"
11130	Combo Wr 12 Pt 15/16"	31412	3/8" Dr Deep Skt 12pt 3/8"	32234	1/2" Dr Std Skt 12pt 1-1/16"	PL-1520C	Utility Superjoint Pliers 10"
11132	Combo Wr 12 Pt 1"	31414	3/8" Dr Deep Skt 12pt 7/16"	32236	1/2" Dr Std Skt 12pt 1-1/8"	S-41AA	1/2" Dr Flex Hdl 15-1/2"
11134	Combo Wr 12 Pt 1-1/16"	31416	3/8" Dr Deep Skt 12pt 1/2"	32240	1/2" Dr Std Skt 12pt 1-1/4"	SDE-43	Screwdrr Electricians 3"
11136	Combo Wr 12 Pt 1-1/8"	31418	3/8" Dr Deep Skt 12pt 9/16"	32416	1/2" Dr Deep Skt 12pt 1/2"	SDE-46	Screwdrr Electricians 6"
11140	Combo Wr 12 Pt 1-1/4"	31420	3/8" Dr Deep Skt 12pt 5/8"	32418	1/2" Dr Deep Skt 12pt 9/16"	SDP-1-3	Screwdrr Phillips® 1-Pt 3"
13213	Ball End Hex Key Long 13 Pcs	31422	3/8" Dr Deep Skt 12pt11/16"	32420	1/2" Dr Deep Skt 12pt 5/8"	SDP-2-4	Screwdrr Phillips® 2-Pt 4"
20678	32 Oz Drilling HaMMer	31424	3/8" Dr Deep Skt 12pt 3/4"	32422	1/2" Dr Deep Skt 12pt 11/16"	SDP-3-6	Screwdrr Phillips® 3-Pt 6"
23301	Curved-Jaw Locking Pliers /w Cutter 5"	32001	1/2" Dr Ratchet 9-7/8"	32424	1/2" Dr Deep Skt 12pt 3/4"	SDR-24	Screwdrr Round 4"
23303	Curved-Jaw Locking Pliers /w Cutter 10"	32003	1/2" Dr Extension 6"	32426	1/2" Dr Deep Skt 12pt 13/16"	SDR-26	Screwdrr Round 6"
23309	Long Locking Pliers /w Cutter 6"	32003	1/2" Dr Extension 6"	32428	1/2" Dr Deep Skt 12pt 7/8"	SDR-28	Screwdrr Round 8"
23310	Long Locking Pliers /w Cutter 9"	32004	1/2" Dr Extension 10"	40201	4 Pcs Mini Pick& Hook Set	W26RC7	26" W - 7 Drawer Roll Cab

Contents: Basic Electrical Repair Set WSC-95TB

Refer to Master Sets Section Page 41 for Photo and Description

Note: WSC-95 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1112A	Min OE WRChrSat 3/16	24405	5/16 Csh Gr Ntdrv	BE-8040	Sl Scr 4x5/32xTip 8 3/4	HK-7/32	L-Type Hex Key, 7/32
1113A	Min OE WRChrSat 13/64	24407	11/32 Csh Gr Ntdrv	BE-8050S	Scr Ins Sl 8-3/4x4x5/32	HK-1/4	L-Type Hex Key, 1/4
1114A	Min OE WRChrSat 7/32	24409	3/8 Csh Gr Ntdrv	BE-8065S	Scr Ins Sl Ergo13-1/2x7x1/4	HK-5/16	L-Type Hex Key 5/16
1115A	Min OE WRChrSat 15/64	24411	7/16 Csh Gr Ntdrv	BE-8150	Sl Scr 4x7/32xTip 8 3/4	HK-3/8	L-Type Hex Key, 3/8
1116A	Min OE WRChrSat 1/4	24413	1/2 Csh Gr Ntdrv	BE-8155	Sl Scr 5x1/4 Tip9 3/46	M-102	1/4Dr Ext 2
1118A	Min OE WRChrSat 9/32	2533-7	Lg Ns Pl Grs 7	BE-8230S	Scr Ins Sl 9-3/4x5x1/8	M-106A	1/4Dr Spinner Hdle
1120A	Min OE WRChrSat 5/16	2628 G-180	SideCut SlJt Pls 7-	BE-8255S	Scr Ins Sl 11-3/4x7x3/16	M-140A	1/4Dr U-Joint
1122A	Min OE WRChrSat 11/32	2628 S-200	Side Cut Comb Pl Ins Gr 8	BE-8600S	Scr Ins Ph® 0-Pt 7	M-52EHA	1/4Dr Encl Hd Ratchet 5
1124A	Min OE WRChrSat 3/8	50721	3Drw 34 Cart-Rb Red	BE-8610	Ph Scr 3x1 PT 7 3/4	M-604	1/4Dr Skt6pt 1/8
1128A	Min OE WRChrSat 7/16	8224	Adj Joint Pls 10	BE-8610S	Scr Ins Ph® 1-Pt 8	M-605	Skt6pt 5/32
1132A	Min OE WRChrSat 1/2	B-108	3/8Dr Ext 3	BE-8620	Ph Scr 4x2 PT 8 3/4	M-606	Skt6pt 3/16
1136A	Min OE WRChrSat 9/16	B-1208	3/8Dr Skt12pt 1/4	BE-8620S	Scr Ins Ph® 2-Pt 8-3/4	M-607	Skt6pt 7/32
1140A	Min OE WRChrSat 5/8	B-1210	3/8Dr Skt12pt 5/16	BE-8630S	Scr Ins Ph® 3-Pt 11-3/4	M-608	Skt6pt 1/4
13406A	Adj WR 6 Chr	B-1211	3/8Dr Skt12pt 11/32	BE-8640S	Scr Ins Ph® 4-Pt 14-1/4	M-609	Skt6pt 9/32
2101S-160	Diag Cut Pl Insul 6-1/4	B-1212	3/8Dr Skt12pt 3/8	HBP-5-0A	Bl PN Hmr 4oz	M-610	Skt6pt 5/16
2101S-200	Diag Cut Pl Ins 8	B-1214	3/8Dr Skt12pt 7/16	HK-050	L-Type Hex Key, .050	M-611	Skt6pt 11/32
2203-8	Diag Cut Pl Str 8x-Wide Hdl	B-1216	3/8Dr Skt12pt 1/2	HK-1/16	L-Type Hex Key, 1/16	M-612	Skt6pt 3/8
23503	FrEnd Strip-Cut/Crmp	B-1218	3/8Dr Skt12pt 9/16	HK-5/64	L-Type Hex Key, 5/64	M-614	Skt6pt 7/16
23506	Hd Strp/Ctr 10-20	B-1220	3/8Dr Skt12pt 5/8	HK-3/32	L-Type Hex Key, 3/32	M-616	Skt6pt 1/2
23533	Cg Super Stripper 10-18	B-1222	3/8Dr Skt12pt 11/16	HK-7/64	L-Type Hex Key, 7/64	M-618	Skt6pt 9/16
23535	Cg Super Stripper 20-30	B-1224	3/8Dr Skt12pt 3/4	HK-1/8	L-Type Hex Key, 1/8	MB-131BA	1/4Dr Adp 1/4mx3/8f Blk
2427 S-200	60° Crv Nose Pl Ins 8	B-52EHA	3/8Dr EncHd Rat 8	HK-9/64	L-Type Hex Key, 9/64	PL-1519C	Superjoint Pls 5
24401	3/16 Csh Gr Ntdrv	BE-8010S	Scr Ins Sl 7x3x1/8	HK-5/32	L-Type Hex Key, 5/32	PL-209X	Lnms'S Pl Comf Gr 9 -1/2
24403	1/4 Csh Gr Ntdrv	BE-8020	Sl Scr 2x1/8 Tip 6	HK-3/16	L-Type Hex Key, 3/16		

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Contents: General Industrial Repair Set WSC-88TB

Refer to Master Sets Section Page 41 for Photo and Description

Note: WSC-88 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
13406A	Adj WR 6 Chr	B-1208	Skt12Pt 1/4	PL-1520C	Ut SuPerjoint Pls 10	SDS-33	Sl-Sq Shank-12 (3/8)
13410A	Adj WR 10 Chr	B-1210	Skt12Pt 5/16	PL-46C	Diag Cut Pls Reg 6	ST-1212	1/2Dr Skt12Pt 3/8
1210SC	WRChrSat12Pt 5/16	B-1211	3/8Dr Skt12Pt 11/32	PL-76C	Chn Nose Pls Lg Nose 6-1/2	ST-1214	1/2Dr Skt12Pt 7/16
1212SC	WRChrSat12Pt 3/8	B-1212	Skt12Pt 3/8	PL-8C	Comb SliP-Joint Pls 8	ST-1216	1/2Dr Skt12Pt 1/2
1214SC	WRChrSat12Pt 7/16	B-1214	Skt12Pt 7/16	S-102P	1/2Dr Ext 2	ST-1218	1/2Dr Skt12Pt 9/16
1216SC	WRChrSat12Pt 1/2	B-1216	Skt12Pt 1/2	S-110P	1/2Dr Ext 5-1/2	ST-1220	1/2Dr Skt12Pt 5/8
1218SC	WRChrSat12Pt 9/16	B-1218	Skt12Pt 9/16	S-115P	1/2Dr Ext 10	ST-1222	1/2Dr Skt12Pt 11/16
1220SC	WRChrSat12Pt 5/8	B-1220	Skt12Pt 5/8	S-140A	1/2Dr U-Joint	ST-1224	1/2Dr Skt12Pt 3/4
1222SC	WRChrSat12Pt 11/16	B-1222	Skt12Pt 11/16	S-15A	1/2Dr SPeeder 18-7/8	ST-1226	1/2Dr Skt12Pt 13/16
1224SC	WRChrSat12Pt 3/4	B-1224	Skt12Pt 3/4	S-20A	1/2Dr Sliding T Hdle	ST-1228	1/2Dr Skt12Pt 7/8
1226SC	WRChrSat12Pt 13/16	B-1226	Skt12Pt 13/16	S-41AA	1/2Dr FlHdl 15-1/2	ST-1230	1/2Dr Skt12Pt 15/16
1228SC	WRChrSat12Pt 7/8	B-1228	Skt12Pt 7/8	S-52EHA	1/2Dr Encl Hd Rat 10-3/8	ST-1232	1/2Dr Skt12Pt 1
1230SC	WRChrSat12Pt 15/16	B-1230	Skt12Pt 15/16	SDP-1-3	Scr Ph 1-Pt 3	ST-1234	1/2Dr Skt12Pt 1-1/16
1232SC	WRChrSat12Pt 1	B-1232	Skt12Pt 1	SDP-2-4	Scr Ph 2-Pt 4	ST-1236	1/2Dr Skt12Pt 1-1/8
1234SC	WRChrSat12Pt 1-1/16	B-140A	3/8Dr U-Joint	SDP-3-6	Scr Ph 3-Pt 6	ST-1240	1/2Dr Skt12Pt 1-1/4
1236SC	WRChrSat12Pt 1-1/8	B-40A	3/8Dr FlHdl	SDP-4-6	Scr Ph 4-Pt 6	WS-44	Hex Key Set 13-Pcs
1240SC	WRChrSat12Pt 1-1/4	B-52EHA	3/8Dr EncHd Rat 8	SDR-24	Sl-Rd Shank-4 (1/4)	XFN-1214	Fl Nut WR 3/8x7/16
B-108	3/8Dr Ext 3	CC-406C	C-Cl CPr Screw 6	SDP-2-ST	Scr Ph 2-Pt	XFN-1618	Fl Nut WR 1/2x9/16
B-110	3/8Dr Ext 6	GS-1	Master Feeler Gauge Set	SDR-26	Sl-Sq Shank-6 (5/16)	W26RC7	26 Roll Cabinet

Contents: General Service Set WSC-80TB

Refer to Master Sets Section Page 42 for Photo and Description

Note: WSC-80 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1210SC	WRChrSat12pt 5/16	B-1208	3/8Dr Skt12pt 1/4	C-24	Cd Chs 3/4	SDP-2-4	Scrr Ph 2-Pt 4
1212SC	WRChrSat12pt 3/8	B-1210	3/8Dr Skt12pt 5/16	GS-1	Master Feeler Gauge Set	SDR-24	Sl-rd Shk-4 (1/4)
1214SC	WRChrSat12pt 7/16	B-1211	3/8Dr Skt12pt 11/32	HBP-2-0A	Bl PN Hmr 12oz	SDR-26	Sl-Sq Shk-6 (5/16)
1216SC	WRChrSat12pt 1/2	B-1212	3/8Dr Skt12pt 3/8	P-15	Sldpch 5/32 Pt 5	SDR-28	Sl-Sq Shk-8 (3/8)
1218SC	WRChrSat12pt 9/16	B-1214	3/8Dr Skt12pt 7/16	P-4	Pinpch 1/8 Pt 4-3/4	SDS-62	Sl-Sq Shk-1-3/4 (1/4)
1220SC	WRChrSat12pt 5/8	B-1216	3/8Dr Skt12pt 1/2	P-40	Centerpch 3/8 Pt 5	SDP-3-6	Scrr Ph 3-Pt 6
1222SC	WRChrSat12pt 11/16	B-1218	3/8Dr Skt12pt 9/16	P-6	Pinpch 3/16 Pt 5-1/4	ST-1212	1/2Dr Skt12pt 3/8
1224SC	WRChrSat12pt 3/4	B-1220	3/8Dr Skt12pt 5/8	P-8	Pinpch 1/4 Pt 5-3/4	ST-1214	1/2Dr Skt12pt 7/16
1226SC	WRChrSat12pt 13/16	B-1222	3/8Dr Skt12pt 11/16	PL-1519C	Ut Superjoint Pls 5	ST-1216	1/2Dr Skt12pt 1/2
1228SC	WRChrSat12pt 7/8	B-1224	3/8Dr Skt12pt 3/4	PL-1520C	Ut Superjoint Pls 10	ST-1218	1/2Dr Skt12pt 9/16
1230SC	WRChrSat12pt 15/16	B-108	3/8Dr Ext 3	PL-46C	Diag Cut Pls Reg 6	ST-1220	1/2Dr Skt12pt 5/8
1232SC	WRChrSat12pt 1	B-110	3/8Dr Ext 6	PL-76C	Chn Nose Pls Lg Nose	ST-1222	1/2Dr Skt12pt 11/16
1234SC	WRChrSat12pt 1-1/16	B-115	3/8Dr Ext 11	S-102P	1/2Dr Ext 2	ST-1224	1/2Dr Skt12pt 3/4
1236SC	WRChrSat12pt 1-1/8	B-140A	3/8Dr U-Joint	S-110P	1/2Dr Ext 5	ST-1226	1/2Dr Skt12pt 13/16
1240SC	WRChrSat12pt 1-1/4	B-15	3/8Dr Speeder	S-115P	1/2Dr Ext 10	ST-1228	1/2Dr Skt12pt 7/8
13406A	6 Chr Adj WR - Pol Hd	B-20A	3/8Dr Sliding T Hdle	S-140A	1/2Dr U-Joint	ST-1230	1/2Dr Skt12pt 15/16
13408A	8 Chr Adj WR - Pol Hd	B-40A	3/8Dr FlHdl	S-15A	1/2Dr Speeder 18-1/16	ST-1232	1/2Dr Skt12pt 1
2628 G-160	Side-Cut Comb Pls -7	B-52EHA	3/8Dr Encl Hd Rat 8	S-20A	1/2Dr Sliding T Hdle	ST-1234	1/2Dr Skt12pt 1-1/16
23503	FrEnd Strip-Cut/Crmp	C-10	Cd Chs 5/16	S-41AA	1/2Dr FlHdl 15-1/2	ST-1236	1/2Dr Skt12pt 1-1/8
50721	3Drw 34 Cart-Rb Red	C-16	Cd Chs 1/2	S-52EHA	1/2Dr Encl Hd Rat 10-3/8	ST-1240	1/2Dr Skt12pt 1-1/4

Contents: Basic Service Set WSC-41TB

Refer to Master Sets Section Page 42 for Photo and Description

Note: WSC-41 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1208SC	Comb WR 12pt 1/4	50721	3Drw 34 Cart-Rb Red	B-1226	3/8Dr Skt12pt 13/16	P-38	Centerpch 1/4 Pt 3-7/8
1210SC	Comb WR 12pt 5/16	B-1208	3/8Dr Skt12pt 1/4	B-1228	3/8Dr Skt12pt 7/8	P-6	Pinpch 3/16 Pt 5-1/4
1212SC	Comb WR 12pt 3/8	B-1210	3/8Dr Skt12pt 5/16	B-1230	3/8Dr Skt12pt 15/16	PL-46C	Diag Cut Pls Reg 6
1214SC	Comb WR 12pt 7/16	B-1211	3/8Dr Skt12pt 11/32	B-1232	3/8Dr Skt12pt 1	PL-76C	Chn Nose Pls Lg Nose 6-1/
1216SC	Comb WR 12pt 1/2	B-1212	3/8Dr Skt12pt 3/8	B-108	3/8Dr Ext 3	PL-8C	Cb Slip-Joint Pls 8
1218SC	Comb WR 12pt 9/16	B-1214	3/8Dr Skt12pt 7/16	B-110	3/8Dr Ext 6	SDP-2-4	Scrr Ph 2-Pt 4
1220SC	Comb WR 12pt 5/8	B-1216	3/8Dr Skt12pt 1/2	B-140A	3/8Dr U-Joint	SDR-24	Sl-rd Shk-4 (1/4)
1222SC	Comb WR 12pt 11/16	B-1218	3/8Dr Skt12pt 9/16	B-40A	3/8Dr FlHdl	SDR-26	Sl-Sq Shk-6 (5/16)
1224SC	Comb WR 12pt 3/4	B-1220	3/8Dr Skt12pt 5/8	B-52A	3/8Dr Rnd Hd Rat7-5/8		
1226SC	Comb WR 12pt 13/16	B-1222	3/8Dr Skt12pt 11/16	C-16	Cd Chs 1/2		
13406A	6 Chr Adj WR - Pol Hd	B-1224	3/8Dr Skt12pt 3/4	20543	Bl PN Hmr 12oz		

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Contents: Metric Maintenance Service Set MSC-225TB

Refer to Master Sets Section Page 43 for Photo and Description

Note: MSC-225 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1207MSC	Comb WR 12pt 7mm	BM-1217	3/8Dr Std12pt Skt 17 mm	MM-605.5	Mm Skt6pt 55Mm	S-52EHA	EncHd ratchet 10 3/8
1208MSC	Comb WR 12pt 8mm	BM-1218	3/8Dr Std12pt Skt 18 mm	MM-606	Mm Skt6pt 6Mm	S-60D	Stud Remover
1209MSC	Comb WR 12pt 9mm	BM-1219	3/8Dr Std12pt Skt 19 mm	MM-607	Mm Skt6pt 7Mm	S-70	Ratchet Spinner
1210MSC	Comb WR 12pt 10mm	BM-1220	3/8Dr Skt12pt 20mm	MM-608	Mm Skt6pt 8Mm	SDE-43	Scr Electr 3
1211MSC	Comb WR 12pt 11mm	BM-1221	3/8Dr Skt12pt 21mm	MM-609	Mm Skt6pt 9Mm	SDE-46	Scr Electr 6
1212MSC	Comb WR 12pt 12mm	BM-1222	3/8Dr Skt12pt 22mm	MM-610	Mm Skt6pt 10Mm	SDE-50	Scr Electr 10
1213MSC	Comb WR 12pt 13mm	BM-1224	3/8Dr Skt12pt 24mm	MM-611	Mm Skt6pt 11Mm	SDE-53	Scr Electr 2-1/2
1214MSC	Comb WR 12pt 14mm	BMD-608	3/8Dr Dp 6 PT Skt 8 mm	MM-612	Mm Skt6pt 12Mm	SDE-8	Scr Electr 8
1215MSC	Comb WR 12pt 15mm	BMD-609	3/8Dr Dp 6 PT Skt 9 mm	MM-613	Mm Skt6pt 13Mm	SDP-1-3	Scr Ph 1-Pt 3
1217MSC	Comb WR 12pt 17mm	BMD-610	3/8Dr Dp 6 PT Skt 10 mm	MM-614	Mm Skt6pt 14Mm	SDP-2-4	Scr Ph 2-Pt 4
1218MSC	Comb WR 12pt 18mm	BMD-611	3/8Dr Dp 6 PT Skt 11 mm	MMD-604	1/4Dr Dp Skt6pt 4mm	SDP-2-ST	Scr Ph 2-Pt
1219MSC	Comb WR 12pt 19mm	BMD-612	3/8Dr Dp 6 PT Skt 12 mm	MMD-605	1/4Dr Dp Skt6pt 5mm	SDP-3-6	Scr Ph 3-Pt 6
1221MSC	Comb WR 12pt 21mm	BMD-613	3/8Dr Dp 6 PT Skt 13 mm	MMD-606	1/4Dr Dp Skt6pt 6mm	SDP-4-6	Scr Ph 4-Pt 6
1222MSC	Comb WR 12pt 22mm	BMD-614	3/8Dr Dp 6 PT Skt 14 mm	MMD-607	1/4Dr Dp Skt6pt 7mm	SDR-24	Sl-Rd Shank-4 (1/4)
1224MSC	Comb WR 12pt 24mm	BMD-615	3/8Dr Dp 6 PT Skt 15 mm	MMD-608	1/4Dr Dp Skt6pt 8mm	SDR-26	Sl-Sq Shank-6 (5/16)
13404A	Adj WR 4 Chr	BMD-616	3/8Dr Dp 6 PT Skt 16 mm	MMD-609	1/4Dr Dp Skt6pt 9mm	SDR-28	Sl-Sq Shank-8 (3/8)
13408A	Adj WR 8 Chr	BMD-617	3/8Dr Dp 6 PT Skt 17 mm	MMD-610	1/4Dr Dp Skt6pt 10mm	SDS-33	Sl-Sq Shank-12 (3/8)
13412A	12 Chr Adj WR - Pol Hd	BMD-618	3/8Dr Dp 6 PT Skt 8 mm	MMD-611	1/4Dr Dp Skt6pt 11mm	SDS-62	Stby Sl Tip 1-1/2x1/4
23503	8 1/4 Ctr Crimper	BMD-619	3/8Dr Dp 6 PT Skt 19 mm	MMD-612	1/4Dr Dp Skt6pt 12mm	SMD-1213	Mm Dp Skt12pt 13 Mm
2503MFRMH	1/2Dr Cl Trq Wr 250 F-Lb	C-10	Cd Chs 5 StSz 5/16	MMD-613	1/4Dr Dp Skt6pt 13mm	SMD-1214	Mm Dp Skt12pt 14 Mm
2628 G-180	7 1/2 Side Cut Slip-Joint	C-12	Cd Chs 5-1/4 StSz 5/16	MMD-614	1/4Dr Dp Skt6pt 14mm	SMD-1215	Mm Dp Skt12pt 15 Mm
471	Adj Hk Spr 3/4 - 2	C-16	Cd Chs 6 StSz 3/8	MWS-47	Hex Key Set 7-Pcs	SMD-1216	Mm Dp Skt12pt 16 Mm
474	Adj Hk Spr 2 - 4-3/4	C-20	Cd Chs 6-1/2 StSz 1/2	O-471	Adj Pin Spr 3/4 To 2	SMD-1217	Mm Dp Skt12pt 17 Mm
4M-613	1/2Dr ImSkt6pt 13mm	C-24	Cd Chs 7 StSz 5/8	O-474	Adj Pin Spr 2 To 4-3/4	SMD-1218	Mm Dp Skt12pt 18 Mm
4M-614	1/2Dr ImSkt6pt 14mm	C-32	Cd Chs 5 StSz 3/8	P-14	Sldpch 4-1/2 StSz 5/16	SMD-1219	Mm Dp Skt12pt 19 Mm
4M-615	1/2Dr ImSkt6pt 15mm	C-42	Cape Chs 5 StSz 3/8	P-15	Sldpch 5 StSz 3/8	SMD-1221	Mm Dp Skt12pt 21 Mm
4M-616	1/2Dr ImSkt6pt 16mm	C-62	DmndPT Chs 6 1/2 StSz 5/8	P-16	Sldpch 5 StSz 3/8	SMD-1222	Mm Dp Skt12pt 22 Mm
4M-617	1/2Dr ImSkt6pt 17mm	C-715	RlBr 16	P-25	LgTprPch 8-1/2 StSz 1/2	SMD-1224	Mm Dp Skt12pt 24 Mm
4M-618	1/2Dr ImSkt6pt 18mm	CW-4	Chain WR	P-28	LgTprPch 11 StSz 5/8	SMD-1227	Mm Dp Skt12pt 27 Mm
4M-619	1/2Dr ImSkt6pt 19mm	HBP-2-0A	Bl PN Hmr 12oz	P-32	Prickpch 6 StSz 1/2	SMD-1230	Mm Dp Skt12pt 30 Mm
4M-621	1/2Dr ImSkt6pt 21mm	HBP-4A	Bl PN Hmr 2 Lb	P-4	Pinpch 5 StSz 5/16	STM-1210	1/2Dr Skt12pt 10mm
4M-622	1/2Dr ImSkt6pt 22mm	HBP-5-0A	Bl PN Hmr 4oz	P-40	Centerpch 5 StSz 3/8	STM-1211	1/2Dr Skt12pt 11mm
4M-624	1/2Dr ImSkt6pt 24mm	HK-10MM	L-Type Hex Key, 10MM	P-6	Pinpch 5-1/2 StSz 5/16	STM-1212	1/2Dr Skt12pt 12mm
4M-627	1/2Dr ImSkt6pt 27mm	HK-12MM	L-Type Hex Key, 12MM	P-8	Pinpch 7 StSz 3/8	STM-1213	1/2Dr Skt12pt 13mm
4M-630	1/2Dr ImSkt6pt 30mm	HK-14MM	L-Type Hex Key, 14MM	PL-126C	Crv Chain Nose Pls 6-1/4	STM-1214	1/2Dr Skt12pt 14mm
B-101	3/8Dr Ext 1-1/2	HK-17MM	L-Type Hex Key, 17MM	PL-1519C	5 Ut Superjoint	STM-1215	1/2Dr Skt12pt 15mm
B-108	Ext 3	HK-2.5MM	L-Type Hex Key, 2.5MM	PL-1520C	10 Ut Superjoint	STM-1216	1/2Dr Skt12pt 16mm
B-110	Ext 6	HK-2MM	L-Type Hex Key, 2MM	PL-1524C	Ut Superjoint Pls 16	STM-1217	1/2Dr Skt12pt 17mm
B-115	3/8Dr Ext 10-1/2	HK-3MM	L-Type Hex Key, 3MM	PL-46C	6 Diag Cut Pl	STM-1218	1/2Dr Skt12pt 18mm
B-140A	U-Joint	HK-4MM	L-Type Hex Key, 4MM	PL-76C	6 1/2 Chain Nose Side Ctr	STM-1219	1/2Dr Skt12pt 19mm
B-15	3/8Dr Speeder	HK-5MM	L-Type Hex Key, 5MM	PL-77C	Chn Nose PlsxL Nose 7-1	STM-1220	1/2Dr Skt12pt 20mm
B-20A	3/8Dr Sliding T Hdle	HK-6MM	L-Type Hex Key, 6MM	PL-8C	Comb Slip-Joint Pls 8	STM-1221	1/2Dr Skt12pt 21mm
B-40A	FlHdl 8 9/16	HK-8MM	L-Type Hex Key, 8MM	RBM-0708	RatBox Wrench, 7 X 8MM	STM-1222	1/2Dr Skt12pt 22mm
B-52EHA	Narrow Hd Ratchet 8	HSF-155A	Hmr Body 1-1/4 Lb 1-1/2	RBM-0910	RatBox Wrench, 9 X 10MM	STM-1223	1/2Dr Skt12pt 23mm
B-70	3/8Dr Ratchet Spinner	HSF-15H	Hmr Tip Hard 1-1/2	RBM-1112	RatBox Wrench,11 X 12MM	STM-1224	1/2Dr Skt12pt 24mm
BFE-8	3/8Dr Flible Ext 8	HSF-15S	Hmr Tip Soft 1-1/2	RBM-1314	RatBox Wrench,13 X 14MM	STM-1225	1/2Dr Skt12pt 25mm
BM-1208	3/8Dr Std12pt Skt 8 mm	M-102	Ext 2	RBM-1517	RatBox Wrench,15 X 17MM	STM-1226	1/2Dr Skt12pt 26mm
BM-1209	3/8Dr Std12pt Skt 9 mm	M-106A	Spinner Hdle	S-102P	Ext 2	STM-1227	1/2Dr Skt12pt 27mm
BM-1210	3/8Dr Std12pt Skt 10 mm	M-115	Ext 6	S-110P	Ext 5	STM-1228	1/2Dr Skt12pt 28mm
BM-1211	3/8Dr Std12pt Skt 11 mm	M-140A	U-Joint	S-115P	Ext 10	STM-1229	1/2Dr Skt12pt 29mm
BM-1212	3/8Dr Std12pt Skt 12 mm	M-20A	1/4Dr Sliding T Hdle	S-140A	U-Joint	STM-1230	1/2Dr Skt12pt 30mm
BM-1213	3/8Dr Std12pt Skt 13 mm	M-42A	1/4Dr FlHdl	S-15A	Speeder 18	STM-1232	1/2Dr Skt12pt 32mm
BM-1214	3/8Dr Std12pt Skt 14 mm	M-52EHA	Narrow Hd Ratchet 5 1/2	S-20A	Sliding T Hdle	STM-1234	1/2Dr Skt12pt 34mm
BM-1215	3/8Dr Std12pt Skt 15 mm	MM-604	Mm Skt6pt 4Mm	S-40AA	FlHdl 10 7/16	STM-1236	1/2Dr Skt12pt 36mm
BM-1216	3/8Dr Std12pt Skt 16 mm	MM-605	Mm Skt6pt 5Mm	S-41AA	FlHdl 15 1/2	W40RC7	40° Roll Cabinet

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Contents: Metric Heavy Equipment Service Set MSC-118TB

Refer to Master Sets Section Page 44 for Photo and Description

Note: MSC-118 Includes All Tools Only, Without Tool Storage Cabinet

Product Code	Description	Product Code	Description	Product Code	Description	Product Code	Description
1207MSC	Comb WR 12pt 7mm	BM-1209	3/8Dr Skt12pt 9mm	HK-2MM	L-Type Hex Key, 2MM	SDE-46	Scr Electr 6
1208MSC	Comb WR 12pt 8mm	BM-1210	3/8Dr Skt12pt 10mm	HK-3MM	L-Type Hex Key, 3MM	SDE-8	Scr Electr 8
1209MSC	Comb WR 12pt 9mm	BM-1211	3/8Dr Skt12pt 11mm	HK-4MM	L-Type Hex Key, 4MM	SDP-1-3	Scr Ph 1-Pt 3
1210MSC	Comb WR 12pt 10mm	BM-1212	3/8Dr Skt12pt 12mm	HK-5MM	L-Type Hex Key, 5MM	SDP-2-4	Scr Ph 2-Pt 4
1211MSC	Comb WR 12pt 11mm	BM-1213	3/8Dr Skt12pt 13mm	HK-6MM	L-Type Hex Key, 6MM	SDP-3-6	Scr Ph 3-Pt 6
1212MSC	Comb WR 12pt 12mm	BM-1214	3/8Dr Skt12pt 14mm	HK-8MM	L-Type Hex Key, 8MM	SDP-4-6	Scr Ph 4-Pt 6
1213MSC	Comb WR 12pt 13mm	BM-1215	3/8Dr Skt12pt 15mm	HM-1219	3/4Dr Skt12pt 19mm	SDR-24	Sl-Rd Shank-4 (1/4)
1214MSC	Comb WR 12pt 14mm	BM-1216	3/8Dr Skt12pt 16mm	HM-1222	3/4Dr Skt12pt 22mm	SDR-24	Sl-Rd Shank-4 (1/4)
1215MSC	Comb WR 12pt 15mm	BM-1217	3/8Dr Skt12pt 17mm	HM-1224	3/4Dr Skt12pt 24mm	SDR-26	Sl-Sq Shank-6 (5/16)
1217MSC	Comb WR 12pt 17mm	BM-1218	3/8Dr Skt12pt 18mm	HM-1227	3/4Dr Skt12pt 27mm	SDR-28	Sl-Sq Shank-8 (3/8)
1218MSC	Comb WR 12pt 18mm	BM-1219	3/8Dr Skt12pt 19mm	HM-1232	3/4Dr Skt12pt 32mm	SDS-33	Sl-Sq Shank-12 (3/8)
1219MSC	Comb WR 12pt 19mm	BM-1220	3/8Dr Skt12pt 20mm	HM-1236	3/4Dr Skt12pt 36mm	SH-131BF	1/2Dr ADptr 1/2 Mx3/4 F B
1221MSC	Comb WR 12pt 21mm	BM-1221	3/8Dr Skt12pt 21mm	HM-1238	3/4Dr Skt12pt 38mm	STM-1210	1/2Dr Skt12pt 10mm
1222MSC	Comb WR 12pt 22mm	BM-1222	3/8Dr Skt12pt 22mm	HM-1241	3/4Dr Skt12pt 41mm	STM-1211	1/2Dr Skt12pt 11mm
1224MSC	Comb WR 12pt 24mm	BM-1223	3/8Dr Skt12pt 23mm	HM-1246	3/4Dr Skt12pt 46mm	STM-1212	1/2Dr Skt12pt 12mm
1227MSC	Comb WR 12pt 27mm	BM-1224	3/8Dr Skt12pt 24mm	HM-1250	3/4Dr Skt12pt 50mm	STM-1213	1/2Dr Skt12pt 13mm
1230MSC	Comb WR 12pt 30mm	BS-131BF	3/8Dr ADp 1/2 Fx3/8 M	HM-1255	3/4Dr Skt12pt 55mm	STM-1214	1/2Dr Skt12pt 14mm
1232MSC	Comb WR 12pt 32mm	C-12	Cd Chs 3/8	HM-1260	3/4Dr Skt12pt 60mm	STM-1215	1/2Dr Skt12pt 15mm
1236MSC	Comb WR 12pt 36mm	C-24	Cd Chs 3/4	MWS-47	Hex Key Set 7-Pcs	STM-1216	1/2Dr Skt12pt 16mm
13408A	8 Chr Adj WR - Pol Hd	C-715	RlBr 16	P-26	LgTprPch 3/16 Pt10	STM-1217	1/2Dr Skt12pt 17mm
13412A	12 Chr Adj WR - Pol Hd	C-715	RlBr 16	P-29	LgTprPch 5/16 Pt16	STM-1218	1/2Dr Skt12pt 18mm
20544	16oz Bl PN Hmr	H-110	3/4Dr Ext 8	P-40	Centerpch 3/8 Pt 5	STM-1219	1/2Dr Skt12pt 19mm
20545	24oz Bl PN Hmr	H-41AA	3/4Dr FlHdl Chr22-1/8	PL-1520C	Ut Superjoint Pls 10	STM-1220	1/2Dr Skt12pt 20mm
20651	48oz CrPN Hmr	H-51B	3/4Dr Rev Ratchet 20-1/8	PL-47C	Diag Cut Pls Reg 7	STM-1221	1/2Dr Skt12pt 21mm
B-108	3/8Dr Ext 3	HK-10MM	L-Type Hex Key, 10MM	PL-6C	Cb Slip-Joint Pls 6	STM-1222	1/2Dr Skt12pt 22mm
B-110	3/8Dr Ext 6	HK-12MM	L-Type Hex Key, 12MM	PL-76C	Chn Nose Pls Lg Nose 6-1/	W40RC7	40" Roll Carbinet
B-15	3/8Dr Speeder	HK-14MM	L-Type Hex Key, 14MM	S-115P	1/2Dr Ext 10		
B-52EHA	3/8Dr Encl Hd Rat 8	HK-17MM	L-Type Hex Key, 17MM	S-140A	1/2Dr U-Joint		
BM-1208	3/8Dr Skt12pt 8mm	HK-2.5MM	L-Type Hex Key, 2.5MM	S-52EHA	1/2Dr Encl Hd Rat 10-3/8		

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INCH	DECIMAL	MILLIMETER
1/64	.0156	0.397
1/32	.0312	0.794
	.0394	1.000
3/64	.0469	1.191
1/16	.0625	1.587
5/64	.0781	1.984
	.0787	2.000
3/32	.0937	2.381
7/64	.1094	2.778
	.1181	3.000
1/8	.1250	3.175
9/64	.1406	3.572
5/32	.1562	3.969
	.1575	4.000
11/64	.1719	4.366
3/16	.1875	4.762
	.1968	5.000
13/64	.2031	5.159
7/32	.2187	5.556
15/64	.2344	5.953
	.2362	6.000
1/4	.2500	6.350
17/64	.2656	6.747
	.2756	7.000
9/32	.2812	7.144
19/64	.2969	7.541
5/16	.3125	7.937
	.3150	8.000
21/64	.3281	8.334
11/32	.3437	8.731
	.3543	9.000
23/64	.3594	9.128
3/8	.3750	9.525
25/64	.3906	9.922
	.3937	10.000
13/32	.4062	10.319
27/64	.4219	10.716
	.4331	11.000
7/16	.4375	11.112
29/64	.4531	11.509
15/32	.4687	11.906
	.4724	12.000
31/64	.4844	12.303
1/2	.5000	12.700
	.5118	13.000
33/64	.5156	13.097
17/32	.5312	13.494
35/64	.5469	13.891
	.5512	14.000
9/16	.5625	14.287
37/64	.5781	14.684
	.5906	15.000
19/32	.5937	15.081
39/64	.6094	15.478
5/8	.6250	15.875
	.6299	16.000
41/64	.6406	16.272
21/32	.6562	16.669
	.6693	17.000
43/64	.6719	17.066
11/16	.6875	17.462
45/64	.7031	17.859
	.7087	18.000
23/32	.7187	18.256
47/64	.7344	18.653
	.7480	19.000
3/4	.7500	19.050
49/64	.7656	19.447
25/32	.7812	19.844
	.7874	20.000
51/64	.7969	20.241
13/16	.8125	20.637
	.8268	21.000
53/64	.8281	21.034
27/32	.8437	21.431
55/64	.8594	21.828
	.8661	22.000
7/8	.8750	22.225
57/64	.8906	22.622
	.9055	23.000
29/32	.9062	23.019
59/64	.9219	23.416
15/16	.9375	23.812
	.9449	24.000
61/64	.9531	24.209
31/32	.9687	24.606
	.9843	25.000
63/64	.9844	25.003
	1.0000	25.400

MILLIMETERS	INCHES
26	1.0236
27	1.0630
28	1.1024
29	1.1417
30	1.1811
31	1.2205
32	1.2598
33	1.2992
34	1.3386
35	1.3780
36	1.4173
37	1.4567
38	1.4961
39	1.5354
40	1.5748
41	1.6142
42	1.6535
43	1.6929
44	1.7323
45	1.7717
46	1.8110
47	1.8504
48	1.8898
49	1.9291
50	1.9685
51	2.0079
52	2.0472
53	2.0866
54	2.1260
55	2.1654
56	2.2047
57	2.2441
58	2.2835
59	2.3228
60	2.3622
61	2.4016
62	2.4409
63	2.4803
64	2.5197
65	2.5591
66	2.5984
67	2.6378
68	2.6772
69	2.7165
70	2.7559
71	2.7953
72	2.8346
73	2.8740
74	2.9134
75	2.9528
76	2.9921
77	3.0315
78	3.0709
79	3.1102
80	3.1496
81	3.1890
82	3.2283
83	3.2677
84	3.3071
85	3.3465
86	3.3858
87	3.4252
88	3.4646
89	3.5039
90	3.5433
91	3.5827
92	3.6220
93	3.6614

MILLIMETERS	INCHES
94	3.7008
95	3.7402
96	3.7795
97	3.8189
98	3.8583
99	3.8976
100	3.9370
110	4.3307
120	4.7244
130	5.1181
140	5.5118
150	5.9055
160	6.2992
200	7.8740
300	11.8110
400	15.7480
500	19.6850
600	23.6220
700	27.5591
800	31.4961
900	35.4331
1000	39.3701

INCH POUNDS	NEWTON METERS
5	0.565
10	1.13
15	1.70
20	2.26
25	2.83
30	3.39
35	3.96
40	4.52
45	5.09
50	5.65
60	6.78
70	7.91
80	9.04
90	10.17
100	11.3
110	12.4
120	13.6
130	14.7
140	15.8
150	17.0
160	18.1
170	19.2
180	20.3
190	21.5
200	22.6

FOOT POUNDS	NEWTON METERS
1	1.356
2	2.7
3	4.0
4	5.4
5	6.8
6	8.1
7	9.5
8	10.8
9	12.2
10	13.5
11	14.9
12	16.3
13	17.6
14	18.9
15	20.3
16	21.7
17	23.0

FOOT POUNDS	NEWTON METERS
18	24.4
19	25.8
20	27.1
21	28.4
22	29.8
23	31.2
24	32.5
25	33.9
26	35.3
27	36.6
28	38.0
29	39.3
30	40.7
31	42.0
32	43.4
33	44.7
34	46.1
35	47.5
36	48.8
37	50.2
38	51.5
39	52.9
40	54.2
41	55.6
42	56.9
43	58.3
44	59.7
45	61.0
46	62.4
47	63.7
48	65.0
49	66.4
50	67.8
51	69.1
52	70.5
53	71.9
54	73.2
55	74.6
56	75.9
57	77.3
58	78.6
59	80.0
60	81.3
61	82.7
62	84.0
63	85.4
64	86.8
65	88.1
66	89.5
67	90.8
68	92.2
69	93.5
70	94.9
71	96.3
72	97.6
73	99.0
74	100.3
75	101.7
76	103.0
77	104.4
78	105.8
79	107.1
80	108.5
81	109.8
82	111.2
83	112.5
84	113.9

FOOT POUNDS	NEWTON METERS
85	115.2
86	116.6
87	117.9
88	119.3
89	120.7
90	122.0
91	123.4
92	124.7
93	126.0
94	127.4
95	128.8
96	130.2
97	131.5
98	132.9
99	134.2
100	135.6
110	149.0
115	156.0
120	163.0
125	170.0
130	176.0
135	183.0
140	190.0
145	197.0
150	203.0
155	210.0
160	217.0
165	224.0
170	231.0
175	237.0
180	244.0
185	251.0
190	258.0
195	264.0
200	271.0
225	305.0
250	339.0
275	373.0
300	407.0
350	474.0
400	542.0

HEX SOCKET CONVERSIONS

10mm=0.394"

11mm=0.433"

12mm=0.472"

13mm=0.512"

14mm=0.551"

15mm=0.591"

16mm=0.630"

17mm=0.669"

18mm=0.704"

19mm=0.748"

20mm=0.787"

21mm=0.827"

Inch Lbs. x 0.113=Nm; Nm x 8.849=Inch Lbs.; Ft. Lbs x 1.356=Nm; Nm x 0.737=Ft. Lbs.

Product Code	Page #	Product Code	Page #	Product Code	Page #	Product Code	Page #	Product Code	Page #
097411A	85	1-111-08-1-0	582	1-170-10-3-0	584	10-30-51	557	10654	219
099965A	85	1-111-08-2-0	582	1-170-10-3-2	584	10002-I-DTT	96	10654-TH	145
1-100-04-1-0	581	1-111-08-3-0	582	1-210-04-1-0	585	10002-I-ETT	97	10656	219
1-100-04-2-0	581	1-143-04-1-0	583	1-210-04-2-0	585	10002MRMH	111	10656-TH	145
1-100-04-3-0	581	1-143-04-2-0	583	1-210-04-3-0	585	10002MRPH	109	10658	219
1-100-06-1-0	581	1-143-04-3-0	583	1-210-06-1-0	585	10005LDFE	106	10658-TH	145
1-100-06-1-2	581	1-143-06-1-0	583	1-210-06-1-2	585	10005LDFESS	107	10700	294
1-100-06-2-0	581	1-143-06-1-2	583	1-210-06-2-0	585	10005LDFN	106	10701	294
1-100-06-2-2	581	1-143-06-2-0	583	1-210-06-2-2	585	10005LDFNSS	107	10702	294
1-100-06-3-0	581	1-143-06-2-2	583	1-210-06-3-0	585	10005MFRMH	111	10703	294
1-100-08-1-0	581	1-143-06-3-0	583	1-210-06-3-2	585	1001-0-DTT	96	10704	294
1-100-08-1-2	581	1-143-08-1-0	583	1-210-08-1-0	585	1001-I-DTT	96	10705	294
1-100-08-2-0	581	1-143-08-1-2	583	1-210-08-1-2	585	1001-I-ETT	97	10706	294
1-100-08-3-0	581	1-143-08-1-2-TH	174	1-210-08-2-0	585	1001-O-ETT	97	10707	294
1-100-10-1-0	581	1-143-08-2-0	583	1-210-08-2-2	585	1002CASG	99	10708	294
1-100-10-1-2	581	1-143-08-3-0	583	1-210-08-3-0	585	1002CF3	100	10709	294
1-100-10-2-0	581	1-143-10-1-0	583	1-210-10-1-0	585	1002CF3HA	100	10710	294
1-100-10-2-2	581	1-143-10-1-2	583	1-210-10-1-2	585	1002-F-MT	95	10711	294
1-100-10-3-0	581	1-143-10-2-0	583	1-210-10-2-0	585	1002MFRMH	111	10712	294
1-100-12-1-0	581	1-143-10-2-2	583	1-210-10-2-2	585	1002MFRPH	109	10713	294
1-100-12-2-0	581	1-143-10-3-0	583	1-210-10-3-0	585	1002NMRMHSS	110	10714	294
1-100-12-3-0	581	1-143-12-1-0	583	1-210-12-1-0	585	1002TAA-CDI	101	10715	294
1-104-10-2-0	581	1-143-12-2-0	583	1-210-12-1-2	585	1002TQFR	112	10716	294
1-104-10-3-0	581	1-143-12-3-0	583	1-210-12-2-0	585	1003-F-DTC	97	10717	294
1-104-12-2-0	581	1-145-12-0-0	583	1-210-12-2-2	585	1003LDFN	106	10718	294
1-104-12-3-0	581	1-145-14-0-0	583	1-210-12-3-0	585	1003LDFNSS	107	10719	294
1-104-14-3-0	581	1-160-04-1-0	584	1-210-14-1-0	585	100NMIMH	113	10720	294
1-106-08-1-0	581	1-160-04-2-0	584	1-230-04-1-0	585	100P-19MD	420	10721	294
1-106-08-1-2	581	1-160-04-3-0	584	1-230-04-2-0	585	100P-5MD	424	10722	294
1-106-10-1-0	581	1-160-06-1-0	584	1-230-04-3-0	585	100P-5MD-TH	160	10723	294
1-106-10-1-2	581	1-160-06-1-2	584	1-230-06-1-0	585	100P-6PD	425	10724	294
1-106-12-1-0	581	1-160-06-2-0	584	1-230-06-1-2	585	100P-6SD	424	10725	294
1-110-04-1-0	582	1-160-06-2-2	584	1-230-06-2-0	585	100P-8MD	423	10726	294
1-110-04-2-0	582	1-160-06-3-0	584	1-230-06-2-2	585	100T-I	113	10740	294
1-110-04-3-0	582	1-160-08-1-0	584	1-230-06-3-0	585	100T-I-SET	113	10741	294
1-110-06-1-0	582	1-160-08-1-2	584	1-230-08-1-0	585	101-I-MT	95	10759	295
1-110-06-2-0	582	1-160-08-2-0	584	1-230-08-1-2	585	10107	236	10760	295
1-110-06-3-0	582	1-160-08-2-2	584	1-230-08-2-0	585	10111	236	10761	295
1-110-08-1-0	582	1-160-08-3-0	584	1-230-08-2-2	585	10113	236	10762	295
1-110-08-1-2	582	1-160-10-1-0	584	1-230-08-2-2-TH	174	1020	207	10763	295
1-110-08-2-0	582	1-160-10-1-2	584	1-230-08-3-0	585	10213	236	10764	295
1-110-08-2-2	582	1-160-10-2-0	584	1-230-10-1-0	585	1027B	207	10765	295
1-110-08-3-0	582	1-160-10-3-0	584	1-230-10-1-2	585	1033A	207	10766	295
1-110-10-1-0	582	1-160-12-1-0	584	1-230-10-2-0	585	1033C	207	10767	295
1-110-10-1-2	582	1-160-12-2-0	584	1-230-10-2-2	585	1037	207	10768	295
1-110-10-2-0	582	1-170-04-3-0	584	1-230-10-3-0	585	1037B	207	10769	295
1-110-10-2-2	582	1-170-06-1-0	584	1-230-10-3-2	585	1038	207	10770	295
1-110-10-3-0	582	1-170-06-1-2	584	1-230-12-1-0	585	1038A	207	10771	295
1-110-10-3-2	582	1-170-06-2-0	584	1-230-12-2-0	585	1039B	207	10772	295
1-110-12-1-0	582	1-170-06-2-2	584	1-230-12-3-0	585	10507	236	10773	295
1-110-12-2-0	582	1-170-06-3-0	584	1-473-06-2-2	579	10509	236	10774	295
1-110-12-3-0	582	1-170-08-1-0	584	1-476-04-3-2	579	10600	219	10792	295
1-110-14-1-0	582	1-170-08-1-2	584	1-476-04-3-2-TH	174	10602	219	10790	295
1-111-04-1-0	582	1-170-08-2-0	584	1-478-08-1-2	579	10604	219	10791	295
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⚠WARNING

WARRANTIES

Safety
Hand tools are generally designed to perform one function — do not use them improperly. Screwdrivers are not chisels, adjustable wrenches are not hammers and pliers are not intended to replace wrenches. Each of our product groups contains specific safety tips for proper tool usage. Additionally, wear appropriate clothing for the job, and always wear safety glasses. A special note on safety... use of hand sockets (chrome finish) with power drive (impact) equipment is a misuse of the tool and can result in serious injury.

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Snap-on Industrial Brands warrants to the original purchaser of CDI Torque Products that the company's torque products are free from defects in workmanship and materials for the duration provided below. Snap-on Industrial Brands will repair or replace CDI Torque Products which fail to give satisfactory service due to defective workmanship or materials (excluding calibration) for 12 months from the date of original purchase. Snap-on Industrial Brands warrants "initial, out of box calibration" of each new, unused CDI Torque Product. Repair, replacement or recalibration, as applicable, shall be at the election and expense of Snap-on Industrial Brands, and is your exclusive remedy in place of all other rights and remedies. Products must be returned with proof of purchase, freight prepaid, to a CDI Torque Products repair center for warranty service. Snap-on Industrial Brands will repair or replace Williams Torque Multipliers which fail to give satisfactory service due to defective workmanship or material for 90 days from the date of original purchase. Snap-on Industrial Brands does not provide any warranty for products subjected to abnormal use. Abnormal use includes misuse, accident, modification, unreasonable use, neglect, lack of maintenance, or use after the tool is significantly worn.

Toolbox Warranties:
All toolboxes sold under the Williams brand will be warranted for a period of one (1) year from the date of purchase against defects in materials and workmanship. Any part(s) which are determined by Snap-on Industrial Brands to be defective in material or workmanship, will be, at Snap-on Industrial Brands discretion, repaired, replaced, or granted a credit. Any toolboxes that are to be returned, must be done through Snap-on Industrial Brands current Return Goods Policy, be sent back freight prepaid, and accompanied with a dated copy of the purchase order. Snap-on Industrial Brands does NOT provide any warranty for products subjected to "abnormal use". Products that are not labeled Williams or Bahco are subject to the warranty provided by the manufacturers of those products and Snap-on Industrial Brands will pass along any such warranties. "Abnormal use" includes misuse, accident, modification, unreasonable use, abuse, neglect, lack of maintenance, use in product-related service, or use after the product is significantly worn. Abnormal use of tool storage units also includes, without limitation, situations when a unit is pulled using a mechanical vehicle, rolled over large drops, used in a highly corrosive environment, used as a step stool, modified with non-Snap-on parts, overloaded or modified in any way.

Sioux Tools:
Sioux Tools warrants to the original purchaser that the company's power tools are free from defects in materials and workmanship. For one (1) year following the date of purchase, Sioux Tools will repair or replace, at Sioux Tools' option, any part that is defective in materials or workmanship. All warranty requests or claims must be made no later than 60 days following the end of the 1-year warranty period. Repair or replacement shall be at the election and expense of Sioux Tools, and is the exclusive remedy in place of all other rights and remedies.

TO THE EXTENT ALLOWED BY APPLICABLE LAW, THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SNAP-ON INDUSTRIAL BRANDS AND ITS AFFILIATED COMPANIES SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL COSTS OR DAMAGES INCURRED BY THE PURCHASER OR OTHERS.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or country.

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Snap-on INDUSTRIAL BRANDS
WILLIAMS | BAHCO | CDI TORQUE PRODUCTS | SIOUX

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