

# FEATURING Mitutoyo

## Digimatic Calipers



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Helical Flute Thread Mills - UN



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TuffCut® XR 7 Flute Carbide End Mills



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Ceramic with Grinding Aid Quick Change Discs



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Locking Pliers Sets



Prices Effective January 1, 2023 through March 31, 2023

## DORIAN INDEX Indexable Miniature Boring Bar Set

- For precision finishing boring operations
- Includes 3 boring bars and 10 CVD coated inserts
- For use in alloy steel and stainless steel



### Set Includes: Boring Bar Shank Size Minimum Bore

- S06H-SCLCR-2 .375 .394
- S08K-SCLCR-2 .500 .550
- S10M-SCLCR-2 .625 .708
- (10) CCMT 21.51 CVD coated inserts
- (1) T-8 Torx key
- (1) Storage case

Order No.	Regular Price	SALE
FL4585064	461.78	328.24

8744

## DORIAN Buy a Complete Boring Bar Set

### Includes 4 Boring Bars and 20 TiN Coated Inserts

Set Includes: Boring Bar No. (1 ea.) Shank Size Minimum Bore

- TPBN 06-2 1/2 .430
- TPBN 08-2 1/2 .590
- TPBN 10-2 5/8 .682
- TPBN 12-3 3/4 .845
- (10) TPGH 21.51 inserts
- (10) TPGH 321 inserts
- (1) Torx key T7
- (1) Torx key T10
- (1) Storage case
- Note: Set includes TiN coated grade DPP30GT carbide inserts for general purpose alloy steel, stainless and ductile iron applications



Order No.	Regular Price	SALE
FL4543840	841.37	598.07

8663

## KEO 5 Pc. Combined Drills & Countersinks

### Set #1 - #5

- 60° Plain type
- High speed steel



Order No.	Regular Price	SALE
AV4110000	77.00	58.38

22312

## KEO Center Drills Plain Type 60°

- Right hand
- High speed steel



Size	Drill Bit Size / Cutting Diameter (DC)	Overall Length (OAL)	Order No.	Regular Price	SALE
#0	1/32"	1-1/4"	AV4210032	12.18	9.23
#1	1/8"	1-1/4"	AV4110100	8.50	6.44
#2	3/16"	1-7/8"	AV4110200	8.87	6.73
#3	1/4"	2"	AV4110300	9.25	7.01
#4	5/16"	2-1/8"	AV4110400	9.54	7.24
#4.5	3/8"	2-1/2"	AV4114500	13.16	9.98
#5	7/16"	2-3/4"	AV4110500	15.14	11.48
#6	1/2"	3"	AV4110600	22.75	17.25
#7	5/8"	3-1/4"	AV4110700	34.51	26.16
#8	3/4"	3-1/2"	AV4110800	47.41	35.94
#9	7/8"	3-5/8"	AV4110900	86.01	65.21
#10	1"	3-3/4"	AV4111000	112.91	85.61

22469

## Dumont Keyway Broach Sets

- Now you can make precision holes or keyways in seconds... a few at a time or production quantities... by a simple push-through broaching operation using a hand operated arbor press or hydraulic press
- All sets furnished in handsome varnished wood box come complete with precision broaches, slotted bushings, and necessary shims
- **Set No. 00** - the most common keyway combinations for small keyways and bores. 3 broaches & 5 bushings (all bushings are collared style) = 15 combinations
- **Set No. 10** - Our best selling broach set. 4 broaches & 9 bushings (all bushings are plain style) = 18 combinations



Bushings	Style	Order No.	Regular Price	SALE
1/4 5/16 3/8 7/16 1/2	A	FB5011101	511.36	377.94
1/2 5/8 3/4 7/8 1 1-1/8 1-1/4 1-3/8 1-1/2	B C	FB5011104	892.72	659.79

22311

## Micro Deburring Set

### Model FT3000

- Contains 3 micro tools, (1) micro deburring tool FT1000, (1) micro scraper FT1100 and (1) micro rotodrive countersink FT1200
- Ideal for tool and die maker
- For extra fine jobs
- Blades are not replaceable



Order No.	Regular Price	SALE
FN55FT3000	48.24	29.72

10093

## Dexterity® Cold Weather winter gloves with Water-resistant Protection

- A napped lining provides excellent insulation without adding bulk, keeping hands warm in temperatures down to -5°C / 23°F
- Crinkle-grip palms ensure a strong, steady grip in wet and oily conditions
- Treated to provide water resistance
- Orange backing improves visibility in poor weather conditions



Size	Cut Rating	Puncture Rating	ManufacturerNo	Order No.	Regular Price	SALE
Large	ANSI A3	ANSI Level 4	TKTAGLX-L	SG0273490	12.42	8.83
Medium	ANSI A3	ANSI Level 4	TKTAGLX-M	SG0273480	12.42	8.83
Small	ANSI A3	ANSI Level 4	TKTAGLX-S	SG0273470	12.42	8.83
X-Large	ANSI A3	ANSI Level 4	TKTAGLX-XL	SG0273500	12.42	8.83
2X-Large	ANSI A3	ANSI Level 4	TKTAGLX-XXL	SG0273510	12.42	8.83
3X-Large	ANSI A3	ANSI Level 4	TKTAGLX-XXX	SG0273520	12.42	8.83

30833

## Neck Gaiter-Two Layered FR Material

- Offers a high level of protection against heat, flame and electric arc.
- Designed for maximum comfort and all-day wear.
- Two-layer Kermel-viscose blend.
- Fire Resistant material that is launderable.
- NFPA 70E compliant and CAT2; Ebt 16 cal/cm2.



Type	Color	Fits Hat Size	Material	Order No.	Regular Price	SALE
Gaiter	Grey	One Size	FR SOFT FABRIC	SG0261220	20.35	14.47

30863

## Dexterity® Water Repellant gloves for Cold Environments

- Treated with water repellent formula
- Fleece lining provides excellent winter protection in temperatures down to -5°C / 23°F
- A micropore PVC coating retains its flexibility in sub-zero temperatures
- Extended back of hand coating provides protection in wet and wintry conditions
- Quick-drying and lightweight for all-day comfort



Size	Cut Rating	Abrasion Rating	Puncture Rating	ManufacturerNo	Order No.	Regular Price	SALE
Small	ANSI A3	ANSI Level 3	ANSI Level 2	SNTAPVCFB/S	SG0270150	15.18	10.78
Medium	ANSI A3	ANSI Level 3	ANSI Level 2	SNTAPVCFB/M	SG0270160	15.18	10.78
Large	ANSI A3	ANSI Level 3	ANSI Level 2	SNTAPVCFB/L	SG0270170	15.18	10.78
X-Large	ANSI A3	ANSI Level 3	ANSI Level 2	SNTAPVCFB/XL	SG0270180	15.18	10.78
2X-Large	ANSI A3	ANSI Level 3	ANSI Level 2	SNTAPVCFB/XX	SG0270190	15.18	10.78

30831

## Emerald CX Winter-Cold Gloves with A5 Cut Protection

- Blended DuPont™ Kevlar® and steel knit for 360°
- An acrylic fleece lining provides cold weather protection down to -5°C / 23°F
- A soft, fleece lining keeps hands warm, dry and comfortable
- A PVC palm coating provides a strong, steady grip in wet or dry conditions
- Touchscreen compatible to seamlessly move between tasks



Size	Cut Rating	Abrasion Rating	Puncture Rating	ManufacturerNo	Order No.	Regular Price	SALE
Large	ANSI A5	ANSI Level 4	ANSI Level 3	SCXTAPVC/L	SG0268170	29.86	21.22
Medium	ANSI A5	ANSI Level 4	ANSI Level 3	SCXTAPVC/M	SG0268160	29.86	21.22
Small	ANSI A5	ANSI Level 4	ANSI Level 3	SCXTAPVC/S	SG0268150	29.86	21.22
X-Large	ANSI A5	ANSI Level 4	ANSI Level 3	SCXTAPVC/X	SG0268180	29.86	21.22
2X-Large	ANSI A5	ANSI Level 4	ANSI Level 3	SCXTAPVCXX	SG0268190	29.86	21.22

30830

## TenActiv™ Waterproof Cut-resistant gloves

- 18-gauge knit combines dexterity and comfort
- These gloves deliver unbeatable protection from harsh elements due to Superior's exclusive breathable waterproof and windproof membrane
- Gloves won't turn inside out when taken off
- Foam nitrile palm coatings provide a strong, steady grip when handling lightly oiled parts



Size	Cut Rating	Abrasion Rating	ManufacturerNo	Order No.	Regular Price	SALE
Small	ANSI A4	ANSI Level 3	S18WTFN-7	SG0267180	38.48	27.36
Medium	ANSI A4	ANSI Level 3	S18WTFN-8	SG021875	38.48	27.36
Large	ANSI A4	ANSI Level 3	S18WTFN-9	SG021880	38.48	27.36
X-Large	ANSI A4	ANSI Level 3	S18WTFN-10	SG021885	38.48	27.36
2X-Large	ANSI A4	ANSI Level 3	S18WTFN-11	SG0267190	38.48	27.36
3X-Large	ANSI A4	ANSI Level 3	S18WTFN-12	SG0267200	38.48	27.36

30829

## Watch Cap- Two layered FR Material

- Designed for maximum comfort and all-day wear.
- Two-layer Kermel-viscose blend.
- Fire Resistant material that is launderable.
- NFPA 70E compliant and CAT2; Ebt 16 cal/cm2.



Type	Color	Fits Hat Size	Material	Order No.	Regular Price	SALE
Watch Cap	Grey	One Size	FR SOFT FABRIC	SG0273720	24.68	17.54

30864

## Endura® Winter Gloves with Cut & Arc flash Protection

- Lining provides 360° cut protection with ANSI Level A4 cut resistance
- Arc Flash testing placed these gloves at level 4, with an Arc Thermal Performance Value (ATPV) of 52 cal/cm<sup>2</sup>
- Lined with 100g Thinsulate™ for winter protection in temperatures down to -15°C / 5°F
- High tensile strength goatskin provides outstanding abrasion resistance
- Treated with Oilbloc™ for unbeatable oil and water resistance
- Backs are elasticized for a snug fit



Size	Cut Rating	Abrasion Rating	Arc Rated	Puncture Rating	ManufacturerNo	Order No.	Regular Price	SALE
Small	ANSI A4	ANSI Level 4	ANSI CAT 4	ANSI Level 4	378GOBTKLS	SG0252730	54.86	38.99
Medium	ANSI A4	ANSI Level 4	ANSI CAT 4	ANSI Level 4	378GOBTKLM	SG0252740	54.86	38.99
Large	ANSI A4	ANSI Level 4	ANSI CAT 4	ANSI Level 4	378GOBTKLL	SG0252750	54.86	38.99
X-Large	ANSI A4	ANSI Level 4	ANSI CAT 4	ANSI Level 4	378GOBTKLX	SG0252760	54.86	38.99

30824



## ISCAR PENTACUT Face Grooving Inserts



Cutting Width (CW)	Corner Radius (RE)	ProductName	Grade	Order No.	Price
0.094"	0.0059"	PENTA 34F239-015-22L IC908	IC908	EH6003627	108.25
0.157"	0.0157"	PENTA 34F400-040-22L IC908	IC908	EH6003628	123.32
0.094"	0.0059"	PENTA 34F239-015-22R IC908	IC908	EH6003656	108.25
0.097"	0.0079"	PENTA 34F247-020-22L IC908	IC908	EH6003657	119.85
0.097"	0.0079"	PENTA 34F247-020-22R IC908	IC908	EH6003658	119.85
0.118"	0.0157"	PENTA 34F300-040-22L IC908	IC908	EH6003659	119.85
0.118"	0.0157"	PENTA 34F300-040-22R IC908	IC908	EH6003660	119.85
0.157"	0.0157"	PENTA 34F400-040-22R IC908	IC908	EH6003661	123.32

9063

## ISCAR PENTACUT PCHB R/L... PENTACUT Double-Ended Parting and Grooving Blades

Right hand shown



Right Hand					
Cutting Width Minimum (CWN)	Cutting Width Maximum (CWX)	Overall Length (OAL)	Product-Name	Order No.	Price
0.02"	0.244"	4.331"	PCHBR 32-24L	EH2301674	368.51
0.02"	0.244"	4.331"	PCHBR 26-24L	EH2301686	324.35
0.059"	0.157"	4.331"	PCHBR 26-34L	EH2302300	340.91
0.059"	0.157"	4.331"	PCHBR 32-34L	EH2302301	383.70
0.02"	0.244"	4.331"	PCHBR 26-24R	EH2302306	324.35
0.059"	0.157"	4.331"	PCHBR 26-34R	EH2302307	340.91

Left Hand					
Cutting Width Minimum (CWN)	Cutting Width Maximum (CWX)	Overall Length (OAL)	Product-Name	Order No.	Price
0.02"	0.244"	4.331"	PCHBL 32-24R	EH2301675	368.51
0.02"	0.244"	4.331"	PCHBL 26-24R	EH2301688	324.35
0.059"	0.157"	4.331"	PCHBL 32-34R	EH2302303	383.70

Screw No.: SR16-212-01397Torx Key No.: T 2010/5

9056

## ISCAR PENTACUT PCH R/L... PENTACUT Grooving, Parting and Recessing Holders

Right hand shown



Right Hand							
ProductName	Shank Width (B)	Overall Length (OAL)	Cutting Width Minimum (CWN)	Cutting Width Maximum (CWX)	Shank Height (H)	Order No.	Price
PCHR 12.7-24	1/2"	5"	0.02"	1/8"	1/2"	EH2301625	189.09
PCHR 25.4-34	1"	5-1/2"	0.059"	0.157"	1"	EH2302157	247.06
PCHPR 25.4-34	1"	5-1/2"	0.055"	0.157"	1"	EH2302331	277.42
PCHPR 25.4-24	1"	5-1/2"	0.02"	0.126"	1"	EH2302459	265.00
PCHR 16-D40-3-IQ	0.63"	5.315"	0.118"	0.126"	0.63"	EH2302572	251.20
PCHR 19-D40-3-IQ	3/4"	5.32"	0.118"	0.126"	3/4"	EH2302579	302.26
PCHR 25.4-D40-3-IQ	1"	5.32"	0.118"	0.126"	1"	EH2302581	313.31
PCHR 16-D32-2-IQ	0.63"	4.724"	0.079"	0.094"	0.63"	EH2302674	251.20
PCHR 12.7-D32-2-IQ	1/2"	3.937"	0.079"	0.094"	1/2"	EH2302680	244.30
PCHR 25.4-D32-2-IQ	1"	4.724"	0.079"	0.094"	1"	EH2302682	313.31
PCHR 19-D32-2-IQ	3/4"	4.724"	0.079"	0.094"	3/4"	EH2302684	302.26
PCHRS 12.7-24	1/2"	4.72"	0.031"	0.189"	1/2"	EH2391954	189.09
PCHR 9.5-24	3/8"	5"	0.02"	1/8"	3/8"	EH2393364	189.09
PCHRS 25.4-24	1"	5.32"	0.031"	0.189"	1"	EH2394663	242.92

Left Hand							
ProductName	Shank Width (B)	Overall Length (OAL)	Cutting Width Minimum (CWN)	Cutting Width Maximum (CWX)	Shank Height (H)	Order No.	Price
PCHL 12.7-24	1/2"	5"	0.02"	1/8"	1/2"	EH2301626	189.09
PCHPL 25.4-34	1"	5-1/2"	0.055"	0.157"	1"	EH2302330	277.42
PCHPL 25.4-24	1"	5-1/2"	0.02"	0.126"	1"	EH2302460	265.00
PCHL 16-D40-3-IQ	0.63"	5.315"	0.118"	0.126"	0.63"	EH2302573	251.20
PCHL 19-D40-3-IQ	3/4"	5.32"	0.118"	0.126"	3/4"	EH2302580	302.26
PCHL 25.4-D40-3-IQ	1"	5.32"	0.118"	0.126"	1"	EH2302582	313.31
PCHL 25.4-D32-2-IQ	1"	4.724"	0.079"	0.094"	1"	EH2302681	313.31
PCHLS 25.4-24	1"	5.32"	0.031"	0.189"	1"	EH2398783	242.92

9054



# Your Tool Advisor **Genius**



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### Features:

- Quick Search
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- Up to 25 Tool Alternatives
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- Considers Your Machine's Parameters
- Provides Cutting Conditions, Power Requirements and Metal Removal Rates



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M924 Solid Carbide 4 Flute Corner Radius End Mills

POW-R\*FEED Series M924 End Mills

IMCO's M924 is the second generation of the POW-R-FEED M9 series, designed for production environments. Reinforced cutting edges give you even longer tool life in more demanding applications.

- New AlCrN engineered coating shown to improve tools life exponentially
• Better performance, longer tool life with optimized rake and relief angles
• Plunge, slot, finish in all kinds of materials
• Cut wet or dry, depending on your tool path and the materials you're machining
• Maximum feeds and speeds you never thought possible



SAVE 35%

Table with columns: Cutting Diameter (DC), Connection Diameter Machine Side (DCONMS), Usable Length (LU), Overall Length (OAL), Corner Radius (RE) - 0.015", Corner Radius (RE) - 0.03", Corner Radius (RE) - 0.06". Includes Order No., Regular Price, and SALE price for various sizes.

29997

OMEGA® M725 & M726 Solid Carbide 5 & 6 Flute End Mills

For Hard Materials - Square End

- Mills steels heat treated up to 58-62 HRC with or without coolant
• Optimized geometries, stronger cutting edges, superior balance
• 50° Helix creates a high shear plane for better efficiency and chip control
• AlTiN-X coating



SAVE 35%

Table with columns: Cutting Diameter (DC), Connection Diameter Machine Side (DCONMS), Depth of Cut Maximum (APMX), Overall Length (OAL), Flute Count (NOF), Order No., Regular Price, and SALE price.

22460

POW-R-PATH® IPT7 Solid Carbide 7 Flute HEM End Mills

- Specifically designed to maximize High Efficiency Machining (HEM) techniques
• Unique flute design for maximum metal removal rates
• Thick core for maximum stability and tool life
• 40° Helix
• AlCrN coated



SAVE 35%

Table with columns: Cutting Diameter (DC), Connection Diameter Machine Side (DCONMS), Depth of Cut Maximum (APMX), Overall Length (OAL), Corner Radius (RE) - 0.03", Corner Radius (RE) - 0.06", Corner Radius (RE) - 0.125", Order No., Regular Price, and SALE price.

9795





## **CLEVELAND** Solid Carbide, High Performance, 3-Flute Center Cutting, Square, Single End, ZrN Coated, End Mills for Aluminum Materials

**SAVE 40%**

• Style #CEM-AM3-ZN

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	1/8"	1-1/2"	3/8"	3	CE60C72341	42.97	<b>24.43</b>
3/16"	3/16"	2"	5/16"	3	CE60C72342	51.42	<b>29.24</b>
3/16"	3/16"	2"	9/16"	3	CE60C72343	56.37	<b>32.05</b>
1/4"	1/4"	2-1/2"	3/4"	3	CE60C72345	72.27	<b>41.10</b>
5/16"	5/16"	3-1/2"	1-1/4"	3	CE60C72349	115.62	<b>65.75</b>
3/8"	3/8"	2"	1/2"	3	CE60C72351	80.36	<b>45.69</b>
3/8"	3/8"	2-1/2"	1"	3	CE60C72352	101.38	<b>57.66</b>
3/8"	3/8"	3-1/2"	1-1/2"	3	CE60C72353	132.50	<b>75.35</b>
3/8"	1/2"	2-1/2"	5/8"	3	CE60C72358	145.71	<b>82.85</b>
1/2"	1/2"	3"	1-1/4"	3	CE60C72359	179.40	<b>102.02</b>
1/2"	1/2"	4"	2"	3	CE60C72360	197.92	<b>112.55</b>
5/8"	5/8"	5"	2-1/2"	3	CE60C72364	404.47	<b>230.00</b>
3/4"	3/4"	3"	1"	3	CE60C72366	370.72	<b>210.82</b>
3/4"	3/4"	4"	5/8"	3	CE60C72367	436.46	<b>248.20</b>

29864

## **CLEVELAND** Cobalt, Heavy Duty, 2-Flute, Center Cutting, Square, Single End, Bright, End Mills

**SAVE 40%**

• Style #HGC-2

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	1/8"	2-5/8"	3/4"	2	CE60C75127	35.35	<b>20.10</b>
3/8"	3/8"	2-3/4"	1"	2	CE60C75128	47.32	<b>26.91</b>
3/8"	3/8"	3-1/4"	1-1/2"	2	CE60C75129	55.37	<b>31.48</b>
1/2"	1/2"	2-11/16"	3/16"	2	CE60C75130	48.16	<b>27.38</b>
1/2"	1/2"	3-1/2"	1-1/2"	2	CE60C75131	58.91	<b>33.50</b>
1/2"	1/2"	4"	2"	2	CE60C75132	67.15	<b>38.19</b>
9/16"	9/16"	3-3/8"	1-1/8"	2	CE60C75133	96.33	<b>54.78</b>
5/8"	5/8"	3-3/8"	1-1/8"	2	CE60C75134	92.81	<b>52.78</b>
3/4"	3/4"	3-5/8"	1-5/16"	2	CE60C75135	102.64	<b>58.37</b>
7/8"	7/8"	4"	1-1/2"	2	CE60C75158	150.86	<b>85.79</b>
7/8"	7/8"	4-1/8"	1-1/2"	2	CE60C75159	153.44	<b>87.26</b>
1"	1"	4"	1-1/2"	2	CE60C75160	179.25	<b>101.93</b>
1"	1"	4-1/8"	1-1/2"	2	CE60C75161	173.06	<b>98.41</b>
1"	1"	5-1/2"	3"	2	CE60C75163	233.36	<b>132.70</b>

29862

## **CLEVELAND** Cobalt, Heavy Duty, 4-Flute, Center Cutting, Square, Single End, Bright, End Mills

**SAVE 40%**

• Style #HGC-4C

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/4"	3/8"	3-9/16"	1-3/4"	4	CE60C32691	64.98	<b>36.94</b>
9/32"	3/8"	3-1/8"	1-3/8"	4	CE60C32647	56.13	<b>31.92</b>
5/16"	3/8"	3-1/8"	1-3/8"	4	CE60C32648	57.96	<b>32.96</b>
5/16"	3/8"	3-3/4"	2"	4	CE60C32693	71.06	<b>40.41</b>
3/8"	3/8"	3-1/4"	1-1/2"	4	CE60C42857	54.89	<b>31.22</b>
3/8"	3/8"	4-1/4"	2-1/2"	4	CE60C42913	73.97	<b>42.06</b>
7/16"	3/8"	3-3/4"	1-3/4"	4	CE60C32651	71.06	<b>40.41</b>
1/2"	1/2"	4"	2"	4	CE60C42861	76.47	<b>43.48</b>
5/8"	5/8"	3-3/4"	1-5/8"	4	CE60C42703	117.44	<b>66.78</b>
5/8"	5/8"	4-5/8"	2-1/2"	4	CE60C42864	177.07	<b>100.89</b>
3/4"	3/4"	3-7/8"	1-5/8"	4	CE60C42707	149.36	<b>84.94</b>
3/4"	3/4"	6-1/4"	4"	4	CE60C42924	241.24	<b>137.19</b>
7/8"	7/8"	5-3/4"	3-1/2"	4	CE60C32653	188.73	<b>107.32</b>
1"	1"	4-1/2"	2"	4	CE60C42715	202.09	<b>114.92</b>
1"	1"	6-1/2"	4"	4	CE60C42876	329.69	<b>187.48</b>
1-1/2"	1-1/4"	10-1/2"	8"	4	CE60C32698	957.71	<b>544.61</b>
1-1/2"	1-1/4"	10-1/2"	8"	6	CE60C32699	1003.30	<b>570.53</b>

29540

## **CLEVELAND** Cobalt, Heavy Duty, 2-Flute, Center Cutting, Square, Single End, TiN Coated, End Mills

• Style #HGC-2-TN

**SAVE 40%**

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	1/8"	2-5/8"	3/4"	2	CE60C75137	39.57	<b>22.50</b>
3/8"	3/8"	2-3/4"	1"	2	CE60C75138	53.00	<b>30.14</b>
3/8"	3/8"	3-1/4"	1-1/2"	2	CE60C75139	62.03	<b>35.27</b>
1/2"	1/2"	2-11/16"	3/16"	2	CE60C75140	53.95	<b>30.68</b>
1/2"	1/2"	3-1/2"	1-1/2"	2	CE60C75141	65.94	<b>37.50</b>
1/2"	1/2"	4"	2"	2	CE60C75142	75.20	<b>42.76</b>
9/16"	9/16"	3-3/8"	1-1/8"	2	CE60C75143	107.87	<b>61.34</b>
5/8"	5/8"	3-3/8"	1-1/8"	2	CE60C75144	103.96	<b>59.12</b>
3/4"	3/4"	3-5/8"	1-5/16"	2	CE60C75145	114.95	<b>65.37</b>
7/8"	7/8"	4"	1-1/2"	2	CE60C75167	168.95	<b>96.08</b>
7/8"	7/8"	4-1/8"	1-1/2"	2	CE60C75168	171.87	<b>97.74</b>
1"	1"	4"	1-1/2"	2	CE60C75169	200.79	<b>114.17</b>
1"	1"	4-1/8"	1-1/2"	2	CE60C75170	193.82	<b>110.21</b>
1"	1"	5-1/2"	3"	2	CE60C75172	261.38	<b>148.64</b>

29863

## **CLEVELAND** Solid Carbide, High Performance, 5-Flute, Variable Index, Center Cutting, Square, Single End, AP/Max Coated, End Mills for Ferrous Materials

**SAVE 40%**

• Style #CEM-V2-5R-TA

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
3/16"	3/16"	2"	3/8"	5	CE60C80525	45.69	<b>25.98</b>
3/16"	3/16"	2"	7/16"	5	CE60C80527	64.39	<b>36.61</b>
3/16"	3/16"	2-1/2"	3/4"	5	CE60C80529	67.51	<b>38.39</b>
1/4"	1/4"	2"	1/2"	5	CE60C80531	62.63	<b>35.61</b>
1/4"	1/4"	2-1/2"	3/4"	5	CE60C80533	85.12	<b>48.40</b>
1/4"	1/4"	3"	1-1/4"	5	CE60C80537	106.22	<b>60.40</b>
5/16"	5/16"	2"	1/2"	5	CE60C80538	95.05	<b>54.05</b>
5/16"	5/16"	2-1/2"	13/16"	5	CE60C80540	95.60	<b>54.36</b>
5/16"	5/16"	3"	1-1/4"	5	CE60C80542	107.92	<b>61.37</b>
3/8"	3/8"	2"	5/8"	5	CE60C80545	104.76	<b>59.58</b>
3/8"	3/8"	2-1/2"	7/8"	5	CE60C80547	110.22	<b>62.67</b>
3/8"	3/8"	3"	1-1/8"	5	CE60C80549	149.14	<b>84.81</b>
3/8"	3/8"	4"	2"	5	CE60C80551	152.99	<b>87.00</b>
7/16"	7/16"	2-1/2"	5/8"	5	CE60C80553	141.25	<b>80.33</b>
7/16"	7/16"	3"	1"	5	CE60C80555	159.07	<b>90.46</b>
7/16"	7/16"	4"	2"	5	CE60C80557	186.26	<b>105.92</b>
1/2"	1/2"	2-1/2"	5/8"	5	CE60C80558	142.88	<b>81.25</b>
1/2"	1/2"	3"	1"	5	CE60C80560	155.84	<b>88.62</b>
1/2"	1/2"	3"	1-1/4"	5	CE60C80565	177.17	<b>100.75</b>
1/2"	1/2"	4"	2"	5	CE60C80571	225.35	<b>128.14</b>
5/8"	5/8"	3"	3/4"	5	CE60C80576	267.79	<b>152.27</b>
5/8"	5/8"	3-1/2"	1-1/4"	5	CE60C80578	285.26	<b>162.22</b>
5/8"	5/8"	5"	2-1/4"	5	CE60C80583	415.35	<b>236.19</b>
3/4"	3/4"	3"	1"	5	CE60C80588	341.39	<b>194.13</b>
3/4"	3/4"	4"	1-1/2"	5	CE60C80590	414.34	<b>235.62</b>
3/4"	3/4"	5"	2-1/4"	5	CE60C80595	516.73	<b>302.37</b>
1"	1"	4"	1-1/2"	5	CE60C80600	668.86	<b>380.35</b>
1"	1"	5"	2-1/4"	5	CE60C80605	805.62	<b>458.13</b>
1"	1"	6"	3"	5	CE60C80610	1059.46	<b>602.46</b>

29538







## Replacement Blades

**SAVE 45%**



Product Name	Blade Type	Shaviv Equivalent	Order No.	Regular Price	SALE
Deburring Blade, for Steel, Plastic and Aluminum	B1OCO	None	FN55B10CO	3.48	<b>2.15</b>
Deburring Blade-TiN Coated, HSS-HD, for Very Small Holes	S150-TIN	None	FN55BK31I2	5.39	<b>3.31</b>
NT Right-Handed Cobalt Deburring Swivel Blade Deburring Blade for Steel, Plastic and Aluminum.	N1	B10	FN55N1	2.72	<b>1.68</b>
Deburring Blade, for Steel, Plastic and Aluminum	N1C	B10C	FN55N1C	9.78	<b>6.03</b>
Deburring Blade, for Steel, Plastic and Aluminum	N1D	None	FN55N1D	16.56	<b>10.20</b>
Deburring Blade, left handed, for Steel, Plastic and Aluminum	N1LH	None	FN55N1LH	3.85	<b>2.37</b>
Deburring Blade, for High Wear Materials	N1TIN	B10P	FN55N1TIN	3.55	<b>2.18</b>
Deburring Blade, for Brass and Cast Iron	N2	B20	FN55N2	2.73	<b>1.69</b>
Deburring Blade, for Brass and Cast Iron	N2C	B20C	FN55N2C	9.80	<b>6.03</b>
Deburring Blade, to Remove External & Internal Burrs	N3	B30	FN55N3	3.51	<b>2.16</b>
Deburring Blade, for Inside Cross Holes & Back	N6	B60	FN55N6	5.27	<b>3.24</b>
Deburring Blade, for Steel, Aluminum and Plastic	S10	E100	FN55S10	3.64	<b>2.25</b>
NOGA S100 COBALT HD BLADE	S100	None	FN55S100	4.14	<b>2.55</b>
Deburring Blade, HSS-HD, for Small Holes	S101	None	FN55S101	3.70	<b>2.27</b>
Deburring Blade, left handed, for Small Holes	S101LH	None	FN55S101LH	4.36	<b>2.68</b>
Deburring Blade, left handed, for Steel, Aluminum and Plastic	S10D	None	FN55S10D	17.02	<b>10.49</b>
Deburring Blade, left handed, for Steel, Aluminum and Plastic	S10LH	None	FN55S10LH	4.92	<b>3.04</b>
NOGA S10TIN HD BLADE TIN	S10TIN	E100P	FN55S10TIN	4.58	<b>2.82</b>
NOGA S150 HEAVY DUTY	S150	None	FN55S150	4.13	<b>2.54</b>
Deburring Blade, HSS-HD, for Brass and Cast Iron	S20	E200	FN55S20	3.90	<b>2.40</b>
Deburring Blade, for Fine Point for Brass & Cast Iron	S202	None	FN55S202	4.13	<b>2.54</b>
Deburring Blade, for Removing External & Internal Burrs	S30	E300	FN55S30	3.93	<b>2.41</b>
Deburring Blade, HSS-HD, for Straight Edges	S35	E350	FN55S35	3.98	<b>2.45</b>
Deburring Blade, for Inside Cross Hole & Back	S60	E600	FN55S60	5.55	<b>3.42</b>

24088

## NG Handles & S & N Holders



For Use With	Type	Order No.	Regular Price	SALE
N Blades	N Blade Holder	FN55EL01003	9.22	<b>5.68</b>
S Blades	S Blade Holder	FN55EL02003	9.22	<b>5.68</b>
S Blades	NG-1 Handle	FN55NG1000	11.52	<b>7.10</b>
N Blades	NG-2 Handle	FN55NG2000	11.85	<b>7.30</b>
All Blade Holders	NG-3 Handle	FN55NG3000	11.85	<b>7.30</b>

24075

## Adjustable Scraper

**Includes:** Anodized handle, T80 double end triangular scraper. Medium sized double sided scraper blade



Application	Order No.	Regular Price	SALE
Scraping, Tri mming, Deburring	FN55SC8000	26.81	<b>16.52</b>

24094

## 6 Flute Chatterless Countersink Sets

### High Speed Steel - In Plastic Case

- 7 Piece sets include: 1/4, 5/16, 3/8, 1/2, 5/8, 3/4 and 1" diameter tools
- 4 Piece sets include: 1/4, 1/2, 3/4 and 1" diameter tools
- M A Ford Series #79

Quantity	60 Degrees			90 Degrees			82 Degrees			100 Degrees			90 Degrees, TiN			60 Degrees, TiN			82 Degrees, TiN		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4	BC7579003	146.66	<b>104.25</b>	BC7579013	146.66	<b>104.25</b>	BC7579008	146.66	<b>104.25</b>	BC7579019	146.66	<b>104.25</b>	BC7579384	201.76	<b>143.42</b>	BC7579380	201.76	<b>143.42</b>	BC7579382	201.76	<b>143.42</b>
7	BC7579001	213.42	<b>151.70</b>	BC7579011	213.42	<b>151.70</b>	BC7579006	213.42	<b>151.70</b>	BC7579016	213.42	<b>151.70</b>	-	-	-	-	-	-	-	-	-

9905

## Uniflute® Countersink Sets

### High Speed Steel

- In plastic case
- 4 Pc. sets include: 1/4, 1/2, 3/4 and 1" diameter tools
- 7 Pc. sets include: 3/16, 1/4, 3/8, 1/2, 5/8, 3/4 and 1" diameter tools
- M.A.Ford List #64

**SAVE 30%**



Quantity - 4			
Point Angle (SIG)	Order No.	Regular Price	SALE
60 Degrees	BC7064001	139.21	<b>92.35</b>
82 Degrees	BC7064006	139.21	<b>92.35</b>
90 Degrees	BC7064011	139.21	<b>92.35</b>
100 Degrees	BC7064016	139.21	<b>92.35</b>
120 Degrees	BC7064021	139.21	<b>92.35</b>

Quantity - 7			
Point Angle (SIG)	Order No.	Regular Price	SALE
60 Degrees	BC7064003	197.77	<b>131.20</b>
82 Degrees	BC7064008	197.77	<b>131.20</b>
90 Degrees	BC7064013	197.77	<b>131.20</b>
100 Degrees	BC7064018	197.77	<b>131.20</b>
120 Degrees	BC7064023	197.77	<b>131.20</b>

9955

## 007

- Deburring, cleaning, finishing and countersinking
- Includes: RB handle, o-ring blade, RD16.5 RotoDrive countersink, EX18 External RotoDrive countersink, thread cleaner blade, S100 blade, S150 blade



Order No.	Regular Price	SALE
FN55007	80.40	<b>49.53</b>

10065

## Universal Handy Chuck Holder

### Model PV1000

- Aluminum handle with non-slip covering
- 3-Jaw chuck helps with the quick and secure clamping of a wide variety of tools, blades and blade holders such as scrapers, countersinks, files, etc.
- Hardness 58 HRC



Order No.	Regular Price	SALE
FN55PV1000	77.22	<b>47.57</b>

10120

## Ceramic Convexed Cera-Cut & Blades

- Ideal for all plastic materials, soft metals, surface scraping and parting line deflashing
- Blade can be replaced
- Includes: Cera-Cut handle and 250mm convexed radius blade



Included	Order No.	Regular Price	SALE
Cera-Cut Handle / 250 mm Convex Blade	FN55CR2000	46.35	<b>28.55</b>

10069



## General Purpose Hand Tap Sets

### Ground Thread - High Speed Steel - Bright Finish

- Set consists of 1 each taper, plug and bottoming
- Morse List #2046



Thread Diameter Size (TDZ)	Threads per Inch (TPI)	Flute Count (NOF)	Overall Length (OAL)	Order No.	Regular Price	SALE
1/4"	20	4	2-1/2"	MT3732701	27.05	15.38
1/4"	28	4	2-1/2"	MT3732702	27.05	15.38
5/16"	18	4	2-23/32"	MT3732703	33.12	18.83
5/16"	24	4	2-23/32"	MT3732704	33.12	18.83
3/8"	16	4	2-15/16"	MT3732705	37.59	21.37
3/8"	24	4	2-15/16"	MT3732706	37.59	21.37
7/16"	14	4	3-5/32"	MT3732707	64.64	36.75
7/16"	20	4	3-5/32"	MT3732708	64.64	36.75
1/2"	13	4	3-19/32"	MT3732709	67.56	38.42
1/2"	20	4	3-19/32"	MT3732710	77.24	43.92
9/16"	12	4	3-19/32"	MT3732711	113.59	64.59
9/16"	18	4	3-19/32"	MT3732712	113.59	64.59
5/8"	11	4	3-13/16"	MT3732713	136.98	77.90
5/8"	18	4	3-13/16"	MT3732714	136.98	77.90
11/16"	11	4	4-1/32"	MT3732715	170.32	96.85
11/16"	16	4	4-1/32"	MT3732716	170.32	96.85
3/4"	10	4	4-1/4"	MT3732717	193.14	109.83
3/4"	16	4	4-1/4"	MT3732718	193.14	109.83
7/8"	9	4	4-11/16"	MT3732719	265.75	151.12
7/8"	14	4	4-11/16"	MT3732720	265.75	151.12
1"	8	4	5-1/8"	MT3732721	354.30	201.47
1"	12	4	5-1/8"	MT3732722	354.30	201.47
1"	14	4	5-1/8"	MT3732723	354.30	201.47
1-1/8"	7	4	5-7/16"	MT3732724	567.81	322.88
1-1/8"	12	4	5-7/16"	MT3732725	613.37	348.79
1-1/4"	7	4	5-3/4"	MT3732726	749.59	426.25
1-1/4"	12	4	5-3/4"	MT3732727	760.90	432.69
1-3/8"	6	4	6-1/16"	MT3732728	942.72	536.08
1-3/8"	12	4	6-1/16"	MT3732729	953.88	542.43
1-1/2"	6	4	6-3/8"	MT3732730	1090.36	620.04
1-1/2"	12	4	6-3/8"	MT3732731	1112.79	632.79

10026

## PRO-CUT 39 Pc. Tap & Die Sets

### #4 thru 1/2"1" Adjustable Round Dies

- Self-hinged durable plastic case with removable tray
- Includes one each plug tap and 1" OD die for the following 17 thread sizes plus tools indicated
- Thread sizes:** 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20, 1/8-27 NPT(pipe die is solid round)
- Threading tools:** T-handle tap wrench, straight tap wrenches, die stock



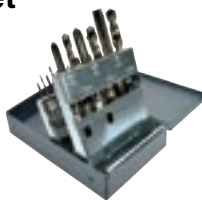
Cutting Edge Material	Order No.	Regular Price	SALE
Carbon Steel	ET51C614	163.17	85.05
HSS	ET51HS614	347.09	180.92

10278

## PRO-CUT Metric Tap and Drill Set

### High Speed Steel with Metal Index

- All the popular taps and necessary drills plus metal index.
- Set Includes:** M2.5x0.45, drill 2.05mm, M3x0.50, drill 2.50mm, M3.5x0.60, drill 2.90mm, M4x0.70, drill 3.30mm, M5x0.80, drill 4.20mm, M6x1.00, drill 5.00mm, M8x1.25, drill 6.70mm, M10x1.5, drill 8.50mm, M12x1.75, drill 10.20mm



FamilyName	Order No.	Regular Price	SALE
PCUET504099TDS-1 ProCut	ET504099TDS	107.33	66.13

10350

## Inch Thread Repair Kits

- Quickly and permanently restore stripped, worn or damaged threads to their original size and condition
- Damaged threads can be restored to better than new condition
- Increase your repair capabilities and restore parts that otherwise would have to be scrapped



Insert Thread Size	Order No.	Regular Price	SALE
#4	EX70540104	87.68	66.47
#5	EX70540105	139.80	105.99
#6	EX70540106	87.65	66.46
#8	EX7054012	88.17	66.85
#10	EX7054013	82.41	62.48
#12	EX7054011	83.31	63.17
1/4"	EX7054014	85.02	64.47
5/16"	EX7054015	88.53	67.13
3/8"	EX7054016	90.28	68.45
7/16"	EX7054017	95.54	72.44
1/2"	EX7054018	135.90	103.05
9/16"	EX7054019	189.58	143.74
5/8"	EX70540110	194.33	147.35
3/4"	EX70540112	227.47	172.47
7/8"	EX70552114	298.31	226.19
1"	EX70552116	440.32	333.86
1 1/8"	EX70552118	552.36	418.81
1 1/4"	EX70552120	544.43	412.79
1 3/8"	EX70552122	591.85	448.74
1 1/2"	EX70552124	639.18	484.63
#6	EX70540206	139.80	105.99
#8	EX7054022	172.77	130.99
#10	EX7054023	92.03	69.77
1/4"	EX7054024	94.66	71.77
5/16"	EX7054025	121.34	92.00
3/8"	EX7054026	103.43	78.42
7/16"	EX7054027	108.73	82.44
1/2"	EX7054028	149.01	112.98
9/16"	EX7054029	203.79	154.51
5/8"	EX70540210	213.30	161.72
3/4"	EX70540212	246.40	186.82
1"	EX70552814	435.63	330.30
1 1/8"	EX70552816	511.32	387.68
1"	EX70552816	511.32	387.68
1 1/8"	EX70552818	639.18	484.63
1 1/4"	EX70552820	733.84	556.40
1 3/8"	EX70552822	804.95	610.32
1 1/2"	EX70552824	852.23	646.16

9761

## HeliCoil Metric Thread Repair Kits

- HeliCoil Inserts quickly and permanently restore stripped, worn or damaged threads to their original size and condition. Damaged threads can be restored to better than new condition. Increase your repair capabilities and restore parts that otherwise would have to be scrapped.



Insert Thread Size	Order No.	Regular Price	SALE
M3	EX7054033	139.80	105.99
M4	EX7054034	88.17	66.85
M5	EX7054035	89.12	67.58
M6	EX7054036	84.15	63.80
M7	EX7054037	85.48	64.81
M8	EX7054038	85.48	64.81
M10	EX70540310	102.98	78.08
M12	EX70540312	116.07	88.01
M14	EX70540314	203.79	154.51
M16	EX70540316	227.47	172.47
M18	EX70540318	269.89	204.64
M20	EX70540320	298.31	226.19
M8	EX7054048	157.95	119.76
M10	EX70540410	157.95	119.76
M10	EX70540510	241.58	183.16
M12	EX70540512	157.95	119.76
M12	EX70540612	157.95	119.76
M14	EX70540614	241.58	183.16
M16	EX70540616	246.23	186.69
M18	EX70540618	273.86	207.65

9764

# CUTTING TOOLS

## WALTER X-treme DH20 High Performance Solid Carbide Coolant Thru Geometry Drills

- 20xD Length
- 140° Point
- TiAlN Coated
- Ideal in steel and applicable in stainless steel, cast iron, aluminum and titanium
- Walter List# A6794TFP

Drill Bit Size / Cutting Diameter (DC)	Decimal Equivalent	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Order No.	Regular Price	SALE
3 mm	0.1181"	6 mm	60 mm	107 mm	TT105564938	465.13	<b>418.78</b>
1/8"	0.125"	0.236"	3-25/64"	5-9/32"	TT105564939	465.13	<b>418.78</b>
3.5 mm	0.1378"	6 mm	86 mm	134 mm	TT105564960	465.13	<b>418.78</b>
9/64"	0.1406"	0.236"	3-25/64"	5-9/32"	TT105564961	465.13	<b>418.78</b>
5/32"	0.1563"	0.236"	3-25/64"	5-9/32"	TT105564962	465.13	<b>418.78</b>
4 mm	0.1575"	6 mm	86 mm	134 mm	TT105564963	465.13	<b>418.78</b>
4.5 mm	0.1772"	6 mm	110 mm	158 mm	TT105564964	465.13	<b>418.78</b>
3/16"	0.1875"	0.236"	4-21/64"	6-7/32"	TT105564965	465.13	<b>418.78</b>
4.8 mm	0.189"	6 mm	110 mm	158 mm	TT105564966	465.13	<b>418.78</b>
5 mm	0.1969"	6 mm	110 mm	158 mm	TT105564967	465.13	<b>418.78</b>
5.5 mm	0.2165"	6 mm	123 mm	170 mm	TT105564968	465.13	<b>418.78</b>
7/32"	0.2188"	0.236"	5-5/16"	7-11/64"	TT105564969	465.13	<b>418.78</b>
5.8 mm	0.2283"	6 mm	135 mm	182 mm	TT105564970	422.34	<b>380.26</b>
6 mm	0.2362"	6 mm	135 mm	182 mm	TT105564971	465.13	<b>418.78</b>
6.1 mm	0.2402"	8 mm	151 mm	200 mm	TT105564972	558.98	<b>503.29</b>
1/4"	0.25"	0.315"	5.94"	7-7/8"	TT105564973	558.98	<b>503.29</b>
6.5 mm	0.2559"	8 mm	151 mm	200 mm	TT105564974	558.98	<b>503.29</b>
6.8 mm	0.2677"	8 mm	151 mm	200 mm	TT105564975	558.98	<b>503.29</b>
7 mm	0.2756"	8 mm	151 mm	200 mm	TT105564976	558.98	<b>503.29</b>
9/32"	0.2813"	0.315"	6-49/64"	8-47/64"	TT105564977	558.98	<b>503.29</b>
7.4 mm	0.2913"	8 mm	172 mm	222 mm	TT105564978	558.98	<b>503.29</b>
7.5 mm	0.2953"	8 mm	172 mm	222 mm	TT105564979	558.98	<b>503.29</b>
5/16"	0.3125"	0.315"	6-49/64"	8-47/64"	TT105564980	558.98	<b>503.29</b>
8 mm	0.315"	8 mm	172 mm	222 mm	TT105564981	558.98	<b>503.29</b>
8.3 mm	0.3268"	10 mm	184 mm	240 mm	TT105564982	651.45	<b>586.55</b>
8.5 mm	0.3346"	10 mm	184 mm	240 mm	TT105564983	651.45	<b>586.55</b>
11/32"	0.3438"	0.394"	7-1/4"	9-29/64"	TT105564984	651.45	<b>586.55</b>
9 mm	0.3543"	10 mm	184 mm	240 mm	TT105564985	651.45	<b>586.55</b>
3/8"	0.375"	0.394"	8-5/64"	10-5/16"	TT105564986	651.45	<b>586.55</b>
9.8 mm	0.3858"	10 mm	205 mm	262 mm	TT105564987	651.45	<b>586.55</b>
10 mm	0.3937"	10 mm	205 mm	262 mm	TT105564988	651.45	<b>586.55</b>

29606

## WALTER Alpha® 4 XD16 High Performance Solid Carbide Coolant Thru Geometry Drills

- 16xD Length
- 140° Point
- DPP Coated
- Ideal in steel, cast iron, aluminum and titanium
- Walter List# A6685TFP

Drill Bit Size / Cutting Diameter (DC)	Decimal Equivalent	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Order No.	Regular Price	SALE
4.5 mm	0.1772"	6 mm	92 mm	140 mm	TT105154849	346.43	<b>311.91</b>
6 mm	0.2362"	6 mm	111 mm	160 mm	TT105154859	346.43	<b>311.91</b>
7 mm	0.2756"	8 mm	124 mm	175 mm	TT105154861	415.44	<b>374.05</b>
13/32"	0.4063"	0.472"	7-1/8"	9-23/32"	TT105293844	656.98	<b>591.53</b>

29604

## Solid Carbide NC Spot Drills

- Premium sub-micrograin carbide
- Bright finished surface
- 90 / 142 double angle point reduces drill tip breakage issues
- Drill point chisel edge is reduced with web thinned 142 entry point grind
- Double angle reduces axial drilling pressure and creates efficient chip formation
- Chamfer angles of 90
- HA - cylindrical shank
- Suitable for a wide range of materials



Drill Bit Size / Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Decimal Equivalent	Flute Count (NOF)	Overall Length (OAL)	Bright, 90 Degrees			Bright, 120 Degrees			AlTiN, 142 Degrees		
					Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/8"	1/8"	0.125"	2	2"	ER45-FU31000317	29.17	<b>26.26</b>	ER45-FU32000317	29.17	<b>26.26</b>	ER-45FUT33000317	32.09	<b>28.89</b>
1/4"	1/4"	0.25"	2	2-1/2"	ER45-FU31000635	57.58	<b>51.84</b>	ER45-FU32000635	57.58	<b>51.84</b>	ER-45FUT33000635	63.34	<b>57.04</b>
3/8"	3/8"	0.375"	2	3"	ER45-FU31000952	95.30	<b>85.80</b>	ER45-FU32000952	95.30	<b>85.80</b>	ER-45FUT33000952	104.83	<b>94.39</b>
1/2"	1/2"	0.5"	2	3"	ER45-FU31001270	164.49	<b>148.09</b>	ER-45FUT32001270	164.49	<b>148.09</b>	ER-45FUT33001270	180.94	<b>162.92</b>
5/8"	5/8"	0.625"	2	4"	ER45-FU31001587	194.55	<b>175.17</b>	ER-45FUT32001587	194.55	<b>175.17</b>	ER-45FUT33001587	214.01	<b>192.68</b>
3/4"	3/4"	0.75"	2	4"	ER45-FU31001905	347.42	<b>312.81</b>	ER-45FUT32001905	347.42	<b>312.81</b>	ER-45FUT33001905	382.17	<b>344.09</b>

28891





**MAXIFLEX® CUT™ Seamless Knit Nitrile Gloves**

- Form Fit and Feel 360° breathability
- Premium Black Micro-Foam Nitrile coated palm
- Green Engineered Yarn Shell
- Reinforced Thumb Crotch
- Sold by the dozen priced by the pair



Size	Color	Cut Rating	Order No.	Regular Price	SALE
Large	Green	ANSI A3	PP1022195	17.45	<b>8.60</b>
Medium	Green	ANSI A3	PP1022200	17.45	<b>8.60</b>
Small	Green	ANSI A3	PP1022205	17.45	<b>8.60</b>
X-Large	Green	ANSI A3	PP1022210	17.45	<b>8.60</b>
2X-Large	Green	ANSI A3	PP1022220	17.45	<b>8.60</b>

30752

**Kut Guard® Double-Ply Kevlar® Sleeve**

- Kevlar provides excellent cut protection and heat resistance for the wrists and arms
- Seamless knit for comfort and flexibility



Size	Order No.	Regular Price	SALE
10"	PP1010390	5.63	<b>2.77</b>
12"	PP1010405	6.46	<b>3.18</b>
14"	PP1010425	7.16	<b>3.53</b>
18"	PP1010465	8.29	<b>4.09</b>
24"	PP1010505	10.95	<b>5.40</b>

29836

**G-Tek® Polykor™ Blended Glove - Double Dipped Nitrile**

- Seamless construction offers increased comfort and breathability
- PolyKor™ shell is lightweight and provides excellent dexterity
- Double-dipped nitrile micro-surface coated palm and fingertips
- Knit wrist helps prevent dirt and debris from entering the glove
- Washable, resistant to chemicals, water, and ultraviolet light
- Extended cuff
- Sold by the dozen priced by the pair



Size	Color	Cut Rating	Order No.	Regular Price	SALE
Large	Salt/Pepper	ANSI A4	PP1021530	10.57	<b>5.21</b>
Medium	Salt/Pepper	ANSI A4	PP1021535	10.57	<b>5.21</b>
Small	Salt/Pepper	ANSI A4	PP1021540	10.57	<b>5.21</b>
X-Large	Salt/Pepper	ANSI A4	PP1021545	10.57	<b>5.21</b>
2X-Large	Salt/Pepper	ANSI A4	PP1021555	10.57	<b>5.21</b>

30753

**Seamless Knit Nylon Glove with Nitrile Coated Foam Grip on Palm & Fingers**

- High dexterity and tactility
- Tough foam nitrile coating for improved grip and durability
- Made with component materials that comply with federal regulations for food contact 21 CFR, 170-199
- Silicone Free
- Sold by the dozen priced by the pair



Size	Color	Material	Order No.	Regular Price	SALE
Small	White	Nylon	PP1030650	8.24	<b>4.06</b>
Medium	White	Nylon	PP1030645	8.24	<b>4.06</b>
Large	White	Nylon	PP1030640	8.24	<b>4.06</b>
X-Large	White	Nylon	PP1030655	8.24	<b>4.06</b>
2X-Large	White	Nylon	PP1030657	8.24	<b>4.06</b>

30754

**Rimless Safety Glasses with Black Temple, Clear Lens, Foam Padding and Anti-Scratch / Anti-Fog Coating**

- Foam padding design forms a seal to keep out dust and airborne particles
- Lightweight, rimless design provides all day user comfort
- Thin, flexible temples provide a secure fit without uncomfortable pressure points
- 9.5 Base curve lens
- Meets ANSI Z87.1+



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Anti-Scratch / Anti-Fog	Black	PP1017710	6.71	<b>3.31</b>

29824

**Fuselage™ Foam Padded with Interchangeable Strap**

- Flame resistant soft foam padding forms a seal to keep out dust and airborne particles
- Comes with both temples AND elastic headband strap
- Temples and strap snap in or out and easily converts from a safety goggle to a dust goggle and back
- Bayonet nylon temples with rubber tips for a secure fit
- 8 Base curve lens
- Meets ANSI Z87.1+



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Anti-Scratch / Anti-Fog	Black/Grey	PP1017440	15.42	<b>7.60</b>
Clear	Anti-Scratch / FogLess 3Sixty	Black/Grey	PP1017470	20.73	<b>10.22</b>

29816

**Rimless Safety Glasses with Clear Temple, Clear Lens and Anti-Scratch / Anti-Fog Coating**

- Lightweight, rimless design provides all day comfort
- Flexible bayonet temples contain rubber pads for a secure, non-slip fit
- Adjustable rubber nose piece provides a comfortable fit
- Meets ANSI Z87.1+ | Meets CSA Z94.3



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Anti-Scratch / Anti-Reflective	Clear	PP1018000	13.12	<b>6.47</b>
Clear	Anti-Scratch / Anti-Fog	Clear	PP1018005	9.54	<b>4.70</b>
Gray	Anti-Scratch / Anti-Fog	Gray	PP1018010	9.54	<b>4.70</b>
Gradient	Anti-Scratch / Anti-Fog	Black	PP1018015	14.08	<b>6.94</b>
I/O Blue	Anti-Scratch / Anti-Fog	Translucent Brown	PP1018020	13.92	<b>6.86</b>
Clear	Anti-Scratch / FogLess 3Sixty	Clear	PP1018025	12.72	<b>6.27</b>
Gray	Anti-Scratch / FogLess 3Sixty	Gray	PP1018030	12.72	<b>6.27</b>

29826

**Seamless Knit Nylon Glove with Nitrile Coated Foam Grip on Palm & Fingers**



- High dexterity and tactility
- Tough foam nitrile coating for improved grip and durability
- Made with component materials that comply with federal regulations for food contact 21 CFR, 170-199
- Silicone Free
- Sold by the dozen priced by the pair

Size	Color	Material	Order No.	Regular Price	SALE
Small	White	Nylon	PP1030650	8.24	<b>4.06</b>
Medium	White	Nylon	PP1030645	8.24	<b>4.06</b>
Large	White	Nylon	PP1030640	8.24	<b>4.06</b>
X-Large	White	Nylon	PP1030655I	8.24	<b>4.06</b>
2X-Large	White	Nylon	PP1030657	8.24	<b>4.06</b>

30823



**Regular Grade Top Grain Cowhide Leather Drivers Glove - Keystone Thumb**

- Top Grain Cowhide leather construction provides comfort, durability, excellent abrasion resistance, and breathability
- Drivers gloves feature slip-on styling to provide good fit and comfort
- Keystone thumb is ergonomic, reduces hand fatigue, offers superior dexterity and durability
- Elastic closure sewn inside glove for safety and comfort
- Meets the content requirements for Chromium VI free leather



Size	Color	Material	Order No.	Regular Price	SALE
Medium	Natural	Leather	PP1027070B	8.76	<b>4.32</b>
Large	Natural	Leather	PP1027074	8.76	<b>4.32</b>
X-Large	Natural	Leather	PP1027080B	8.76	<b>4.32</b>
2X-Large	Natural	Leather	PP1027076	8.76	<b>4.32</b>

30825

**Vented, Short Brim Hard Hat with HDPE Shell, 6-Point Polyester Suspension and Wheel Ratchet Adjustment**



- High-Density Polyethylene (HDPE) shell designed with five raised channels running across the top for strength, and an extended back area for extra protection
- 6-point polyester textile suspension system offers unrivaled comfort without compromising performance
- Revolution™ Wheel Ratchet is easy to use and creates a firm comfortable fit
- Short brim for greater visibility, especially when looking up or in confined spaces
- Meets ANSI/ISEA Z89.1, Type I, Class C requirements

Color	Style	Order No.	Regular Price	SALE
White	Short Brim	PP1032530	32.36	<b>15.95</b>
Yellow	Short Brim	PP1032535	32.36	<b>15.95</b>
White	Standard Brim	PP1032545	32.36	<b>15.95</b>
Yellow	Standard Brim	PP1032550	32.36	<b>15.95</b>
Gray	Standard Brim	PP1032555	32.36	<b>15.95</b>
Blue	Standard Brim	PP1032560	32.36	<b>15.95</b>
Orange	Standard Brim	PP1032570	33.73	<b>16.62</b>
Blue	Short Brim	PP1032540	32.36	<b>15.95</b>

29840

**ANSI Type R Class 2 Two Pocket Zipper Mesh Vest**

- Breathable polyester mesh
- Zipper closure
- 2" silver reflective tape
- 1 internal lower pocket, 1 external chest pocket
- Available in hi-vis lime yellow and hi-vis orange



Size	Length	Chest Size	Color	Order No.	Regular Price	SALE
S	24"	45"	Hi-Vis Yellow	PP1038515	10.32	<b>5.09</b>
M	28"	47"	Hi-Vis Yellow	PP1038510	10.32	<b>5.09</b>
L	28"	49.5"	Hi-Vis Yellow	PP1038505	10.32	<b>5.09</b>
XL	28"	52"	Hi-Vis Yellow	PP1038520	10.32	<b>5.09</b>
2XL	29"	54"	Hi-Vis Yellow	PP1038480	10.32	<b>5.09</b>
3XL	29"	56.5"	Hi-Vis Yellow	PP1038485	10.32	<b>5.09</b>

29802

**ANSI Type R Class 2 Two-Tone Eleven Pocket Mesh Surveyors Vest**

- Breathable polyester mesh
- 2" two-tone tape for optimum visibility
- Zipper closure
- 2 Mic tabs with reinforced stitching
- 11 Pocket construction



Size	Length	Chest Size	Color	Order No.	Regular Price	SALE
S	27"	45"	Hi-Vis Yellow	PP1037930	23.16	<b>11.41</b>
M	27"	47.2"	Hi-Vis Yellow	PP1037925	23.16	<b>11.41</b>
L	28"	49.6"	Hi-Vis Yellow	PP1037920	23.16	<b>11.41</b>
XL	28"	52"	Hi-Vis Yellow	PP1037935	23.16	<b>11.41</b>
2XL	29"	54"	Hi-Vis Yellow	PP1037900	23.16	<b>11.41</b>
3XL	29"	56.7"	Hi-Vis Yellow	PP1037905	23.16	<b>11.41</b>

29803



## Fast Cut Stationary Saw Wheels

- Aluminum oxide grain for use on metal, steel and general applications



Diameter	Thickness	Arbor Hole	Specification	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
12"	1/8"	1"	A24-RBF	5100	10	MG9070105	9.07	<b>7.52</b>
14"	1/8"	5/8"	A24-QBF	4400	10	MG9036233	9.49	<b>7.86</b>
16"	5/32"	1"	A24-RBF	3820	10	MG9070106	27.19	<b>22.52</b>
20"	5/32"	1"	A24-RBF	3100	10	MG9070108	40.60	<b>33.62</b>
20"	3/16"	1"	A24-RBF	3100	10	MG9070109	45.75	<b>37.88</b>
20"	3/16"	1"	A24-RBF	3100	10	MG9070147	52.54	<b>43.51</b>

215



## Zip One Aluminum Oxide Type 1

### Cut Off Wheel

- Fast, free precision cuts
- Clean cutting for less rework
- Unique mix of abrasive grains ensures cool cutting for less discoloration and warping
- Fe-free formulation-guaranteed not to contaminate stainless steel



Diameter	Thickness	Arbor Hole	Grit	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
4 1/2"	1/32"	7/8"	60	13,000	25	WS0111T542	7.18	<b>5.28</b>

710



## Premium Aluminum Oxide

### Grinding Wheels

- Delivers the right combination of performance and value
- Premium aluminum oxide grains provide an even, sharp, clean cut and a hard bond extends life and maximizes performances
- Type 27 designed with fiberglass cut back from the edge to provide instant aggressive grinding on new wheels



Diameter	Thickness	Specification	Maximum RPM	Standard Pack	5/8"-11			7/8"		
					Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4 1/2"	1/4"	A24R	13,000	10	MK5157120	8.19	<b>6.54</b>	MK5157121	4.82	<b>3.85</b>
5"	1/4"	A24R	12,200	10	MK5157122	10.04	<b>8.00</b>	MK5157123	6.84	<b>5.45</b>
6"	1/4"	A24R	10,200	10	MK5157128	12.75	<b>10.15</b>	MK5157129	8.02	<b>6.40</b>
7"	1/4"	A24R	8,500	10	MK5157124	13.88	<b>11.06</b>	MK5157125	9.75	<b>7.77</b>
9"	1/4"	A24R	6,600	10	MK5157126	17.38	<b>13.84</b>	MK5157127	14.04	<b>11.18</b>

21977



## Quickie Cut™ Reinforced Cut-off

### Wheels

- Extra thin reinforced cut off wheels - type 1
- Aluminum oxide cuts metal, steel & stainless
- A36 T-BF wheels provide fast cutting action & good life
- A60-TB-Flex wheels cut fast last longer and flex
- "Iron Free" so no rust will develop
- Box quantity - 25 Pcs.



Diameter	Thickness	Arbor Hole	Specification	Order No.	Regular Price	SALE
4 1/2"	.045"	7/8"	A36-TBF	MG9035514	2.80	<b>2.31</b>
6"	.045"	7/8"	A36-TBF	MG9035517	3.54	<b>2.92</b>
4 1/2"	.035"	7/8"	A60-TB Flex	MG9045010	2.77	<b>2.29</b>
6"	.040"	7/8"	A60-TB Flex	MG9045012	3.58	<b>2.96</b>

22862



## Super Quickie Cut Reinforced Cut-Off

### Wheels

#### Type 1 & Type 27

#1 Wheel choice for steel applications.



Diameter	Thickness	Arbor Hole	Maximum RPM	Specification	Standard Pack	Type 1			Type 27		
						Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4 1/2"	.045"	7/8"	13300	A60-TBF	50	MG9045102	3.67	<b>3.05</b>	MG9045103	3.60	<b>2.98</b>

22873



## Small Diameter Reinforced Cut Off Wheels

### BlueFire- Zirconia alumina and aluminum oxide blend

- Up to 20% improvement over previous zirconia products oxide grain blend
- 3 times the life of aluminum oxide wheels
- Ideal for stainless steel and carbon steel applications
- Excellent performance to price ratio lowers total cutting costs



### Gemini- Quality aluminum oxide

- Good choice for steel and ferrous metals
- Consistent performance at a competitive price

Diameter	Thickness	Arbor Hole	Maximum RPM	Standard Pack	Aluminum Oxide			Zirconia Alumina		
					Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
3"	0.035"	3/8"	25,465	25	MH60030010628	4.30	<b>2.67</b>	MH60030043174	6.97	<b>3.92</b>
3"	1/16"	3/8"	25,465	25	MH60030010647	4.23	<b>2.96</b>	MH60030043175	7.17	<b>4.03</b>
4"	0.035"	3/8"	19,100	25	MH60040010630	6.61	<b>4.60</b>	MH60040043173	9.59	<b>5.38</b>
4"	1/16"	3/8"	19,100	25	MH60040010655	5.82	<b>4.04</b>	MH60040043171	9.59	<b>5.38</b>

24126



## Light Grind & Cut-Off Wheels-Zirconia - Type 1

- Zirconia grain
- High performance for cutting and notching applications
- Use on ferrous metals (iron, steel, welds), stainless steel and high tensile alloys



Diameter	Thickness	Arbor Hole	Grit	Order No.	Regular Price	SALE
3"	1/8"	1/4"	46	SP010301252146Z	5.11	<b>4.23</b>
3"	1/8"	3/8"	46	SP010301253146Z	5.04	<b>4.18</b>
4"	1/8"	1/4"	36	SP010401252136Z	11.06	<b>9.16</b>
4"	1/8"	3/8"	36	SP010401253136Z	5.92	<b>4.90</b>

25163



## Small Diameter Thin Cut-Off Wheels - Ceramic - Type 1

- Ceramic grain
- Fiberglass reinforced
- Durable and self-sharpening for fast, cool cutting and long wheel life
- Use on stainless steel, high tensile alloys and ferrous metals (iron, steel, welds, etc)



Diameter	Thickness	Arbor Hole	Maximum RPM	Specification	Order No.	Regular Price	SALE
2"	.060"	1/4"	30,550	#707	SP010200602160C	5.45	<b>4.52</b>
2"	.060"	3/8"	30,550	#707	SP010200603160C	5.45	<b>4.52</b>
3"	.060"	1/4"	25,000	#707	SP010300602160C	9.34	<b>7.73</b>
3"	.060"	3/8"	25,000	#707	SP010300603160C	9.34	<b>7.73</b>
4"	.060"	3/8"	25,000	#707	SP010400603160C	6.90	<b>5.72</b>

25174

## SURF PRO Small Diameter Thin Cut-Off Wheels - Zirconia - Type 1

- Zirconia grain
- High performance for cutting and notching applications
- Use on ferrous metals (iron, steel, welds), stainless steel and high tensile alloys



Diameter	Thickness	Arbor Hole	Grit	Order No.	Regular Price	SALE
2"	.060"	1/4"	46	SP010200602146Z	4.57	<b>3.78</b>
2"	.060"	1/4"	60	SP010200602160Z	4.57	<b>3.78</b>
2"	.060"	3/8"	46	SP010200603146Z	4.57	<b>3.78</b>
2"	.060"	3/8"	60	SP010200603160Z	4.57	<b>3.78</b>
4"	.060"	3/8"	46	SP010400603146Z	6.97	<b>5.77</b>
4"	.060"	3/8"	60	SP010400603160Z	5.04	<b>4.18</b>
4"	1/16"	1/4"	46	SP010400622146Z	4.05	<b>3.35</b>
4"	1/16"	3/8"	46	SP010400623146Z	4.44	<b>3.67</b>

25176

## CGW Rubber Back-Up Pads

- Rubber back-up pads for use with coarse grits
- Spiral ribs provide contact points and form channels for air flow, extending disc life 30% to 50%
- Larger air holes provide cooler operating and longer abrasive disc life
- Pad size meets ANIS B186.1 standards
- Smooth face pads are excellent for general purpose applications



Air Cooled Spiral Pattern					
Diameter	Arbor Hole	Density	Order No.	Regular Price	SALE
4 1/2"	5/8"-11	Medium	MG9048220	37.59	<b>31.13</b>
5"	5/8"-11	Medium	MG9048221	49.87	<b>41.31</b>
7"	5/8"-11	Medium	MG9048222	66.21	<b>54.83</b>
9"	5/8"-11	Medium	MG9048239	76.33	<b>63.22</b>
7"	5/8"-11	Flexible	MG9049510	66.21	<b>54.83</b>
7"	5/8"-11	Rigid	MG9049511	66.21	<b>54.83</b>
4 1/2"	7/8	Medium	MG9049521	47.68	<b>39.48</b>

Air Cooled Smooth Face					
Diameter	Arbor Hole	Density	Order No.	Regular Price	SALE
7"	5/8"-11	Medium	MG9049506	53.80	<b>44.55</b>
4 1/2"	5/8"-11	Medium	MG9049508	47.68	<b>39.48</b>

Roll-On					
Diameter	Arbor Hole	Density	Order No.	Regular Price	SALE
2"	1/4"	Medium	MG9059732	13.45	<b>11.14</b>
3"	1/4"	Medium	MG9059734	15.37	<b>12.74</b>

Diameter	Arbor Hole	Density	Order No.	Regular Price	SALE
2"	1/4"	Medium	MG9059733	14.15	<b>11.71</b>
3"	1/4"	Medium	MG9059735	16.58	<b>13.72</b>

22870

## SUPERIOR ABRAIVES Quick Change Disc Holders

- Roll-On (TR) features nylon screw type thread
- Turn-On (TS) features metal to metal quick change system



Diameter	Order No.	Regular Price	SALE
3"	MM5964113	22.98	<b>18.81</b>
2"	MM5964198	18.20	<b>14.90</b>
2"	MM5964922	18.22	<b>15.15</b>
3"	MM5964949	23.01	<b>27.62</b>

25121

## CGW Polishing Compound

- Compound will not discolor metals
- White SS51 (1200 Grit) compound helps buff aluminum, steel, stainless and natural stone to the desired finish without adding scratches
- High gloss



Grit	Order No.	Regular Price	SALE
1200	MG9049652	13.87	<b>11.48</b>

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## Shop Rolls

- Coated abrasive rolls are designed for fast and easy sanding of various surfaces and can be torn to exact lengths as needed
- Handy rolls are packaged in a protective, convenient dispenser which eliminates costly waste and permits neat, easy storage
- Length - 50 yds



Grit	Order No.	Width - 1"		Width - 1-1/2"		Width - 2"			
		Reg-ular Price	SALE	Reg-ular Price	SALE	Reg-ular Price	SALE		
P50	MH61R0127728	92.15	<b>78.46</b>	MH61R0127730	128.97	<b>109.79</b>	MH61R0227732	164.13	<b>139.74</b>
P60	MH61R0127729	86.24	<b>73.42</b>	MH61R0127731	120.44	<b>102.53</b>	MH61R0227733	153.27	<b>130.49</b>
P80	MH61R0126276	73.14	<b>62.27</b>	MH61R0126288	102.29	<b>87.07</b>	MH61R0226299	130.13	<b>110.79</b>
P100	MH61R0126275	70.60	<b>60.11</b>	MH61R0126287	98.95	<b>84.23</b>	MH61R0226298	125.79	<b>107.07</b>
P120	MH61R0126274	70.60	<b>60.11</b>	MH61R0126286	98.95	<b>84.23</b>	MH61R0226297	125.79	<b>107.07</b>
P150	MH61R0126273	70.60	<b>60.11</b>	MH61R0126285	98.95	<b>84.23</b>	MH61R0226296	125.79	<b>107.07</b>
P180	MH61R0126272	70.60	<b>60.11</b>	MH61R0126284	98.95	<b>84.23</b>	MH61R0226295	125.79	<b>107.07</b>
P220	MH61R0126271	70.60	<b>60.11</b>	MH61R0126283	98.95	<b>84.23</b>	MH61R0226294	125.79	<b>107.07</b>
P240	MH61R0126270	70.60	<b>60.11</b>	MH61R0126282	98.95	<b>84.23</b>	MH61R0226293	125.79	<b>107.07</b>
P280	MH61R0126269	70.60	<b>60.11</b>	MH61R0126281	98.95	<b>84.23</b>	MH61R0226292	125.79	<b>107.07</b>
P320	MH61R0126268	70.60	<b>60.11</b>	MH61R0126280	98.95	<b>84.23</b>	MH61R0226291	125.79	<b>107.07</b>
P400	MH61R0126267	70.60	<b>60.11</b>	MH61R0126279	98.95	<b>84.23</b>	MH61R0226290	125.79	<b>107.07</b>

24159

## 3M Scotch-Brite™ Roloc™ Surface Conditioning Discs

- Scotch-Brite™ Roloc™ surface non-woven web provides a burr free decorative finish
- Removes grind marks, rust and coatings
- Roloc TR plastic button



Diameter	Maximum RPM	Grade	Color	Standard Pack	Order No.	Regular Price	SALE
1"	30000	Medium	Maroon	200	TM2115392	1.73	<b>1.23</b>
1"	30000	Very Fine	Teal	200	TM2115391	1.73	<b>1.23</b>
1 1/2"	30000	Coarse	Brown	50	TM2108764	1.76	<b>1.28</b>
1 1/2"	30000	Medium	Maroon	50	TM2108765	1.76	<b>1.28</b>
1 1/2"	30000	Very Fine	Teal	50	TM2108766	1.76	<b>1.28</b>
2"	25000	Coarse	Brown	50	TM2105528	2.55	<b>1.85</b>
2"	25000	Medium	Maroon	50	TM2105527	2.55	<b>1.85</b>
2"	25000	Very Fine	Teal	50	TM2105523	2.55	<b>1.85</b>
3"	18000	Coarse	Brown	25	TM2105532	4.85	<b>3.52</b>
3"	18000	Medium	Maroon	25	TM2105531	4.85	<b>3.52</b>
3"	18000	Very Fine	Teal	25	TM2105530	4.85	<b>3.52</b>
4"	12000	Coarse	Brown	4	TM2312954	7.04	<b>5.08</b>

Holder: MM59-64922

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## SURF PRO 5" & 6" PSA Discs - Aluminum Oxide

- For use on disc grinders and sanders
- Long wearing, fast cutting abrasive
- Heavy duty "X" weight resin cloth
- Easily removed without leaving residue on holders or backing plates



Diameter	Grit	Order No.	Regular Price	SALE
5"	36	SP11PSAD05036A	1.41	<b>1.17</b>
5"	40	SP11PSAD05040A	4.09	<b>3.39</b>
5"	60	SP11PSAD05060A	1.17	<b>0.97</b>
5"	80	SP11PSAD05080A	1.18	<b>0.97</b>
5"	100	SP11PSAD05100A	0.98	<b>0.81</b>
5"	120	SP11PSAD05120A	1.10	<b>0.90</b>
6"	36	SP11PSAD06036A	2.00	<b>1.65</b>
6"	40	SP11PSAD06040A	1.73	<b>1.44</b>
6"	60	SP11PSAD06060A	1.58	<b>1.31</b>
6"	80	SP11PSAD06080A	1.51	<b>1.26</b>
6"	100	SP11PSAD06100A	1.45	<b>1.19</b>
6"	120	SP11PSAD06120A	1.45	<b>1.19</b>

25146

# ABRASIVES

## 3M PSA Discs

348D

- Aluminum Oxide - X wt. cloth
- Heavy duty, cloth backed discs for more aggressive applications
- Provides excellent adhesion while removing easily



Diameter	Grit	Standard Pack	Order No.	Regular Price	SALE
2"	50	50	TM1120911	1.57	1.10
2"	60	50	TM1120910	1.54	1.09
2"	80	50	TM1120909	1.46	1.03
2"	P120	50	TM1120907	1.38	0.97
3"	40	50	TM1101335	1.88	1.33
3"	50	50	TM1101334	1.82	1.28
3"	60	50	TM1101333	1.76	1.24
3"	80	50	TM1101332	1.68	1.18
3"	P100	50	TM1101331	1.62	1.16
3"	P120	50	TM1101330	1.62	1.16
5"	36	50	TM1120891	2.79	1.96
5"	40	50	TM1120890	2.64	1.87
5"	50	50	TM1120889	2.52	1.77
5"	60	50	TM1120888	2.40	1.70
5"	80	50	TM1120887	2.26	1.61
5"	P100	50	TM1120886	2.17	1.54
5"	P120	50	TM1120885	2.17	1.54
5"	P150	50	TM1120884	2.17	1.54
5"	P180	50	TM1120883	2.17	1.54
5"	P240	50	TM1120881	2.17	1.54
6"	50	50	TM1120879	3.73	2.63
6"	60	50	TM1120878	3.50	2.48
6"	80	50	TM1120877	3.32	2.35
6"	P100	50	TM1120876	3.11	2.18
6"	P120	50	TM1121497	3.11	2.18
8"	36	50	TM1120874	7.40	5.21
8"	40	50	TM1120873	7.02	4.95
8"	60	50	TM1120871	6.39	4.50
8"	80	50	TM1120870	6.04	4.27
8"	P120	50	TM1120868	5.78	4.09
12"	36	10	TM1188906	17.23	12.15
12"	40	10	TM1188905	16.27	11.48
12"	60	10	TM1188903	14.43	10.17
12"	80	10	TM1188902	13.65	9.61
12"	P100	10	TM1188901	12.86	9.06
16"	36	10	TM1188890	31.68	22.33
16"	60	10	TM1188887	26.63	18.78
16"	80	10	TM1188886	25.10	17.70
18"	36	10	TM1188882	40.17	28.32
18"	60	10	TM1188880	33.73	23.77
20"	36	10	TM1188878	48.80	34.40
20"	40	10	TM1188877	46.11	32.51
20"	50	10	TM1188876	43.52	30.67
20"	60	10	TM1188875	41.06	28.92
20"	80	10	TM1188874	38.67	27.25
24"	36	10	TM1120802	69.80	49.21
24"	40	10	TM1120801	65.19	45.96
24"	80	10	TM1120798	53.64	37.81

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## 3M Stikit™ Disc Rolls 236U

- Aluminum Oxide - C weight paper backing
- Discs for paint, primer, wood, metal, plastic and fiber-glass
- Strong paper backing provides durability and increased cut rates
- Open coat and stearate coating minimizes loading
- 100 Discs per roll, 4 rolls per case



Diameter - 6"				
Grit	Order No.	Regular Price	SALE	
P80	TM1155560	145.22	102.37	
P120	TM1155562	134.05	94.50	
P320	TM1155567	134.05	94.50	

Diameter - 5"				
Grit	Order No.	Regular Price	SALE	
P150	TM1155543	94.91	66.90	
P120	TM1186490	94.91	66.90	
P180	TM1186492	94.91	66.90	
P320	TM1186495	94.91	66.92	

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## PASCO Metallurgical Silicon Carbide Sanding Discs

- Pasco Metallurgical Silicon Carbide Sanding Discs



Plain Back					
Diameter	Grit	Standard Pack	Order No.	Regular Price	SALE
8"	60/60	25	MG9452931	1.15	0.85
8"	120/120	100	MG9452932	0.72	0.55
8"	180/180	100	MG9452933	0.88	0.65
8"	240/240	100	MG9452934	0.59	0.43
8"	320/400	100	MG9452935	0.59	0.43
8"	400/800	100	MG9452936	0.59	0.43
8"	600/1200	100	MG9452937	0.59	0.43
12"	60/60	100	MG9452938	2.56	1.91
12"	120/120	100	MG9452939	1.49	1.10
12"	180/180	100	MG9452940	1.31	0.95
12"	240/240	100	MG9452941	1.21	0.90
12"	320/400	100	MG9452942	1.21	0.90
12"	400/800	100	MG9452943	1.21	0.90
12"	600/1200	100	MG9452944	1.21	0.90

PSA					
Diameter	Grit	Standard Pack	Order No.	Regular Price	SALE
8"	60/P60	100	MG9452945	1.46	1.08
8"	120/P120	100	MG9452946	1.03	0.75
8"	180/P180	100	MG9452947	0.94	0.70
8"	240/P240	100	MG9452948	0.88	0.65
8"	320/P400	100	MG9452949	0.88	0.65
8"	400/P800	100	MG9452950	0.88	0.65
8"	600/P1200	100	MG9452951	0.88	0.65
12"	60/P60	100	MG9452952	3.23	2.39
12"	120/P120	100	MG9452953	3.20	2.36
12"	180/P180	100	MG9452954	1.92	1.44
12"	240/P240	100	MG9452955	1.94	1.45
12"	320/P400	100	MG9452956	1.78	1.32
12"	400/P800	100	MG9452957	1.78	1.32
12"	600/P1200	100	MG9452958	1.78	1.32

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## SURF PRO SGZ-SG Ceramic & Zirconia Resin Fiber Discs

Applicable Material: Stainless Steel, Titanium & Super Alloys, Mild Carbon Steel, Cold Rolled Steel, Cast Iron



Diameter	Arbor Hole	Grit	Order No.	Regular Price	SALE
4 1/2"	7/8"	16	SP11RF457016SGZ	2.13	1.77
4 1/2"	7/8"	24	SP11RF457024SGZ	1.90	1.57
4 1/2"	7/8"	36	SP11RF457036SGZ	1.89	1.56
4 1/2"	7/8"	50	SP11RF457050SGZ	1.62	1.35
4 1/2"	7/8"	60	SP11RF457060SGZ	1.45	1.19
4 1/2"	7/8"	80	SP11RF457080SGZ	1.35	1.12
4 1/2"	7/8"	100	SP11RF457100SGZ	1.30	1.08
4 1/2"	7/8"	120	SP11RF457120SGZ	1.25	1.03
5"	7/8"	16	SP11RF057016SGZ	2.73	2.26
5"	7/8"	24	SP11RF057024SGZ	2.44	2.02
5"	7/8"	36	SP11RF057036SGZ	2.25	1.87
5"	7/8"	50	SP11RF057050SGZ	2.09	1.73
5"	7/8"	60	SP11RF057060SGZ	1.85	1.54
5"	7/8"	80	SP11RF057080SGZ	1.73	1.44
5"	7/8"	100	SP11RF057100SGZ	1.59	1.32
5"	7/8"	120	SP11RF057120SGZ	1.55	1.28
7"	7/8"	16	SP11RF077016SGZ	5.13	4.25
7"	7/8"	24	SP11RF077024SGZ	4.53	3.75
7"	7/8"	36	SP11RF077036SGZ	4.13	3.42
7"	7/8"	50	SP11RF077050SGZ	3.77	3.12
7"	7/8"	60	SP11RF077060SGZ	3.32	2.76
7"	7/8"	80	SP11RF077080SGZ	3.10	2.57
7"	7/8"	100	SP11RF077100SGZ	2.92	2.41
7"	7/8"	120	SP11RF077120SGZ	2.84	2.35

28693



**Ceramic with Grinding Aid Quick Change Discs**

- Ideal for nickel alloys and heat sensitive metals
- Continuous, aggressive cutting action with self-sharpening grain
- Longest life with maximum grain retention of all quick change products



Diameter - 2"						
Type S				Type R		
Grit	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
36	MM6440311	1.47	<b>1.21</b>	MM6440329	1.47	<b>1.21</b>
50	MM6440313	1.35	<b>1.12</b>	MM6440331	1.35	<b>1.12</b>
60	MM6440314	1.29	<b>1.05</b>	MM6440332	1.29	<b>1.05</b>
80	MM6440315	1.25	<b>1.03</b>	MM6440333	1.25	<b>1.03</b>
120	MM6440316	1.22	<b>0.99</b>	MM6440334	1.22	<b>0.99</b>

Diameter - 3"						
Type S				Type R		
Grit	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
36	MM6440317	2.01	<b>1.66</b>	MM6440335	2.01	<b>1.66</b>
50	MM6440319	1.86	<b>1.50</b>	MM6440337	1.86	<b>1.50</b>
60	MM6440320	1.73	<b>1.44</b>	MM6440338	1.73	<b>1.44</b>
80	MM6440321	1.68	<b>1.40</b>	MM6440339	1.68	<b>1.40</b>
120	MM6440322	1.68	<b>1.41</b>	MM6440340	1.68	<b>1.40</b>

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**Resin Fiber Discs**

**Premium Aluminum Oxide:**

- Designed for long life, high stock removal and cool cutting action on metal and welds.

**Zirconia Alumina:**

- High concentration of Zirconia and heat-treated AO grain provides twice the cutting action of premium AO discs and is extremely heat resistant



Diameter - 4 1/2"							
Zirconia Alumina				Aluminum Oxide			
Arbor Hole	Grit	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
7/8"	36	MG9048102	1.41	<b>1.16</b>	MG9048012	1.05	<b>0.88</b>
7/8"	50	MG9048104	1.43	<b>1.19</b>	MG9048014	1.02	<b>0.84</b>
7/8"	60	MG9048105	1.30	<b>1.08</b>	MG9048015	0.95	<b>0.77</b>
7/8"	80	MG9048106	1.30	<b>1.07</b>	MG9048016	0.91	<b>0.76</b>
7/8"	100	-	-	-	MG9048017	0.91	<b>0.76</b>
7/8"	120	-	-	-	MG9048018	0.91	<b>0.76</b>

Diameter - 5"							
Zirconia Alumina				Aluminum Oxide			
Arbor Hole	Grit	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
7/8"	16	-	-	-	MG9048020	1.50	<b>1.26</b>
7/8"	24	MG9048111	1.72	<b>1.42</b>	MG9048021	1.05	<b>0.88</b>
7/8"	36	MG9048112	1.62	<b>1.35</b>	MG9048022	1.17	<b>0.95</b>
7/8"	50	MG9048114	1.50	<b>1.24</b>	MG9048024	1.09	<b>0.89</b>
7/8"	60	MG9048115	1.37	<b>1.13</b>	MG9048025	1.02	<b>0.84</b>
7/8"	80	MG9048116	1.33	<b>1.09</b>	MG9048026	0.98	<b>0.81</b>

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**WEILER 4-1/2" Zirconia Alumina Wolverine Flap Discs**

- Ideal for a working angle of 15° - 25°
- Phenolic Backings
- High cut rate



Arbor Hole - 7/8"					Arbor Hole - 5/8"-11		
Grit	Maximum RPM	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
36	13,000	MK5131343	7.18	<b>5.74</b>	-	-	-
40	13,000	MK5131387	10.21	<b>8.12</b>	MK5131390	12.31	<b>9.79</b>
60	13,000	MK5131345	7.18	<b>5.74</b>	MK5131409	9.11	<b>7.26</b>
60	13,000	MK5131388	10.21	<b>7.37</b>	MK5131410	9.11	<b>7.26</b>
80	13,000	MK5131389	10.21	<b>8.12</b>	-	-	-

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**Velcro Backed Resin Paper Abrasive Discs**

- Aluminum oxide resin free cut treated for metal, wood and plastic
- Easy press-on/peel-off - saves time
- Hook and loop backing adds strength, reducing tearing and run cooler for longer life
- Holding power not affected by dirt, dust, heat, humidity
- We also offer the vacuum hole paper disc and conversion hardware for the clean air vacuum sanders



Order No.	Regular Price	SALE
SP11VBD500400AE	1.84	<b>1.52</b>
SP11VBD500600AE	1.62	<b>1.35</b>
SP11VBD500800AC	1.42	<b>1.18</b>
SP11VBD500800AE	1.53	<b>1.27</b>
SP11VBD500808AC	1.22	<b>1.02</b>
SP11VBD501000AC	1.10	<b>0.91</b>
SP11VBD501008AC	1.37	<b>1.13</b>
SP11VBD501200AC	1.38	<b>1.13</b>
SP11VBD501208AC	1.37	<b>1.13</b>
SP11VBD501500AC	1.37	<b>1.13</b>
SP11VBD501508AC	1.37	<b>1.13</b>
SP11VBD501800AC	1.10	<b>0.91</b>
SP11VBD501808AC	1.10	<b>0.91</b>
SP11VBD502200AC	1.21	<b>0.98</b>
SP11VBD502208AC	1.38	<b>1.13</b>
SP11VBD502400AC	1.10	<b>0.91</b>
SP11VBD502408AC	1.10	<b>0.91</b>
SP11VBD502800AC	1.10	<b>0.91</b>
SP11VBD502808AC	1.10	<b>0.91</b>
SP11VBD503200AC	1.37	<b>1.13</b>
SP11VBD503208AC	1.10	<b>0.91</b>
SP11VBD504000AC	1.10	<b>0.91</b>
SP11VBD504008AC	1.10	<b>0.91</b>
SP11VBD600400AE	2.48	<b>2.06</b>
SP11VBD600600AE	2.25	<b>1.87</b>
SP11VBD600800AC	1.62	<b>1.35</b>
SP11VBD600800AE	2.13	<b>1.77</b>
SP11VBD600808AC	1.62	<b>1.35</b>
SP11VBD601000AC	1.69	<b>1.41</b>
SP11VBD601008AC	1.34	<b>1.10</b>
SP11VBD601200AC	1.34	<b>1.10</b>
SP11VBD601208AC	1.23	<b>1.02</b>
SP11VBD601500AC	1.46	<b>1.22</b>
SP11VBD601508AC	1.69	<b>1.41</b>
SP11VBD601800AC	1.34	<b>1.10</b>
SP11VBD601808AC	1.34	<b>1.10</b>
SP11VBD602200AC	1.34	<b>1.10</b>
SP11VBD602208AC	1.69	<b>1.41</b>
SP11VBD602400AC	1.34	<b>1.10</b>
SP11VBD602408AC	1.34	<b>1.10</b>
SP11VBD602800AC	1.34	<b>1.10</b>
SP11VBD602808AC	3.77	<b>3.12</b>
SP11VBD603200AC	1.34	<b>1.10</b>
SP11VBD603208AC	1.34	<b>1.10</b>
SP11VBD604000AC	1.34	<b>1.10</b>
SP11VBD604008AC	1.34	<b>1.10</b>

25182



**4-1/2" Ceramic Flap Discs**

- Best choice for grinding stainless steel, titanium, inconel, and other hard metals.
- Self-sharpening grain creates a "cool grinding surface" for longer disc life and reduced production cost.
- 13300 Max. RPM



Diameter	Arbor Hole	Grit	Order No.	Regular Price	SALE
4 1/2"	7/8"	36	SP11FD45A27036C	15.18	<b>12.57</b>
4 1/2"	7/8"	40	SP11FD45A27040C	14.08	<b>11.66</b>
4 1/2"	7/8"	60	SP11FD45A27060C	11.90	<b>9.86</b>
4 1/2"	7/8"	80	SP11FD45A27080C	11.06	<b>9.16</b>
4 1/2"	5/8"-11	36	SP11FD45H27036C	15.69	<b>12.99</b>
4 1/2"	5/8"-11	40	SP11FD45H27040C	15.69	<b>12.99</b>
4 1/2"	5/8"-11	60	SP11FD45H27060C	14.71	<b>12.18</b>
4 1/2"	5/8"-11	80	SP11FD45H27080C	13.69	<b>11.34</b>

25134

# ABRASIVES

## **SURF PRO** EAO-Premium Aluminum Oxide Resin Fiber Discs

- **Applicable Material:** Mild Carbon Steel, Cold Rolled Steel, Brass, Bronze, Aluminum & Non-Ferrous Metals, Wood & Sheetrock/Drywall



Diameter	Arbor Hole	Grit	Order No.	Regular Price	SALE
4 1/2"	7/8"	16	SP11RF457016EAO	1.29	<b>1.07</b>
4 1/2"	7/8"	24	SP11RF457024EAO	1.21	<b>1.00</b>
4 1/2"	7/8"	36	SP11RF457036EAO	1.11	<b>0.93</b>
4 1/2"	7/8"	50	SP11RF457050EAO	1.02	<b>0.84</b>
4 1/2"	7/8"	60	SP11RF457060EAO	1.05	<b>0.86</b>
4 1/2"	7/8"	80	SP11RF457080EAO	0.95	<b>0.79</b>
4 1/2"	7/8"	100	SP11RF457100EAO	0.94	<b>0.77</b>
4 1/2"	7/8"	120	SP11RF457120EAO	0.94	<b>0.77</b>
5"	7/8"	16	SP11RF057016EAO	1.41	<b>1.17</b>
5"	7/8"	24	SP11RF057024EAO	1.41	<b>1.17</b>
5"	7/8"	36	SP11RF057036EAO	1.49	<b>1.30</b>
5"	7/8"	50	SP11RF057050EAO	1.29	<b>1.07</b>
5"	7/8"	60	SP11RF057060EAO	1.41	<b>1.17</b>
5"	7/8"	80	SP11RF057080EAO	1.21	<b>1.00</b>
5"	7/8"	100	SP11RF057100EAO	1.17	<b>0.97</b>
5"	7/8"	120	SP11RF057120EAO	1.17	<b>0.97</b>
7"	7/8"	16	SP11RF077016EAO	2.65	<b>2.20</b>
7"	7/8"	24	SP11RF077024EAO	2.52	<b>2.08</b>
7"	7/8"	36	SP11RF077036EAO	2.33	<b>1.93</b>
7"	7/8"	50	SP11RF077050EAO	2.29	<b>1.89</b>
7"	7/8"	60	SP11RF077060EAO	2.17	<b>1.80</b>
7"	7/8"	80	SP11RF077080EAO	2.09	<b>1.73</b>
7"	7/8"	100	SP11RF077100EAO	2.04	<b>1.69</b>
7"	7/8"	120	SP11RF077120EAO	2.04	<b>1.69</b>

28711

## **SURF PRO** AOC- Premium Ceramic & Aluminum Oxide Resin Fiber Discs

- **Applicable Material:** Stainless Steel, Titanium & Super Alloys, Mild Carbon Steel, Cold Rolled Steel, Cast Iron



Diameter	Arbor Hole	Grit	Order No.	Regular Price	SALE
4 1/2"	7/8"	16	SP11RF457016AOC	2.29	<b>1.89</b>
4 1/2"	7/8"	24	SP11RF457024AOC	2.09	<b>1.73</b>
4 1/2"	7/8"	36	SP11RF457036AOC	1.93	<b>1.60</b>
4 1/2"	7/8"	50	SP11RF457050AOC	1.70	<b>1.41</b>
4 1/2"	7/8"	60	SP11RF457060AOC	1.70	<b>1.41</b>
4 1/2"	7/8"	80	SP11RF457080AOC	1.50	<b>1.24</b>
4 1/2"	7/8"	100	SP11RF457100AOC	1.43	<b>1.18</b>
4 1/2"	7/8"	120	SP11RF457120AOC	1.35	<b>1.12</b>
5"	7/8"	16	SP11RF057016AOC	2.73	<b>2.26</b>
5"	7/8"	24	SP11RF057024AOC	2.65	<b>2.20</b>
5"	7/8"	36	SP11RF057036AOC	2.88	<b>2.39</b>
5"	7/8"	50	SP11RF057050AOC	2.21	<b>1.83</b>
5"	7/8"	60	SP11RF057060AOC	2.17	<b>1.80</b>
5"	7/8"	80	SP11RF057080AOC	1.93	<b>1.60</b>
5"	7/8"	100	SP11RF057100AOC	1.85	<b>1.54</b>
5"	7/8"	120	SP11RF057120AOC	1.73	<b>1.44</b>
7"	7/8"	16	SP11RF077016AOC	5.70	<b>4.71</b>
7"	7/8"	24	SP11RF077024AOC	4.94	<b>4.09</b>
7"	7/8"	36	SP11RF077036AOC	4.57	<b>3.78</b>
7"	7/8"	50	SP11RF077050AOC	4.02	<b>3.33</b>
7"	7/8"	60	SP11RF077060AOC	3.98	<b>3.30</b>
7"	7/8"	80	SP11RF077080AOC	3.46	<b>2.86</b>
7"	7/8"	100	SP11RF077100AOC	3.24	<b>2.68</b>
7"	7/8"	120	SP11RF077120AOC	3.10	<b>2.57</b>

28712

## **SURF PRO** PSC-Silicon Carbide Resin Fiber Discs

- **Applicable Material:** Concrete, Stone, Granite, Marble & Ceramic Tile, Fiberglass & Composites, Cast Iron



Diameter	Arbor Hole	Grit	Order No.	Regular Price	SALE
4 1/2"	7/8"	16	SP11RF457016PSC	1.29	<b>1.07</b>
4 1/2"	7/8"	24	SP11RF457024PSC	1.17	<b>0.97</b>
4 1/2"	7/8"	36	SP11RF457036PSC	1.11	<b>0.93</b>
4 1/2"	7/8"	50	SP11RF457050PSC	1.07	<b>0.89</b>
4 1/2"	7/8"	60	SP11RF457060PSC	1.07	<b>0.89</b>
4 1/2"	7/8"	80	SP11RF457080PSC	0.99	<b>0.83</b>
4 1/2"	7/8"	100	SP11RF457100PSC	1.05	<b>0.86</b>
4 1/2"	7/8"	120	SP11RF457120PSC	1.05	<b>0.86</b>
5"	7/8"	16	SP11RF057016PSC	1.49	<b>1.23</b>
5"	7/8"	24	SP11RF057024PSC	1.37	<b>1.13</b>
5"	7/8"	36	SP11RF057036PSC	1.33	<b>1.10</b>
5"	7/8"	50	SP11RF057050PSC	1.29	<b>1.07</b>
5"	7/8"	60	SP11RF057060PSC	1.25	<b>1.03</b>
5"	7/8"	80	SP11RF057080PSC	1.25	<b>1.03</b>
5"	7/8"	100	SP11RF057100PSC	1.21	<b>1.00</b>
5"	7/8"	120	SP11RF057120PSC	1.21	<b>1.00</b>
7"	7/8"	16	SP11RF077016PSC	2.65	<b>2.20</b>
7"	7/8"	24	SP11RF077024PSC	2.80	<b>2.32</b>
7"	7/8"	36	SP11RF077036PSC	2.99	<b>2.24</b>
7"	7/8"	50	SP11RF077050PSC	2.25	<b>1.87</b>
7"	7/8"	60	SP11RF077060PSC	2.17	<b>1.80</b>
7"	7/8"	80	SP11RF077080PSC	2.13	<b>1.77</b>
7"	7/8"	100	SP11RF077100PSC	2.13	<b>1.77</b>
7"	7/8"	120	SP11RF077120PSC	2.09	<b>1.73</b>

28714

## **CGW** Felt / Cotton Buffing Flap Discs - Type 27

- Flexible felt/wool disc easily works with contoured surfaces for consistent polishing action
- Fast mirror finishes
- Use on stainless steel, aluminum, sheet metal mild steel and brass
- CGW White (1200 Grit) Compound for aluminum, steel, and stainless steel
- **MUST USE WITH BUFFING COMPOUND**



Diameter	Arbor Hole	Maximum RPM	Order No.	Regular Price	SALE
4 1/2"	7/8"	13,300	MG9049698	25.46	<b>21.08</b>
5"	7/8"	12,200	MG9049699	29.53	<b>24.46</b>

216

## **3M** 6" x 9" Hand Pads

- Excellent products for hand finishing and cleaning of woods, metals and composites
- Ideal for wood finishing, paint prep and general cleaning
- Priced each / sold in standard pack of 20 only
- Save up to 10% on case qty. (60 pieces)

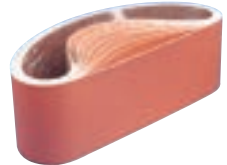


Color	Grade	Order No.	Regular Price	SALE
Light Gray	Ultra Fine	TM2204028	4.48	<b>2.69</b>
Maroon	Very Fine	TM2204029	3.23	<b>2.69</b>
Tan	Medium	TM2218451	596.07	<b>252.25</b>
Tan	Coarse	TM2265055	8.70	<b>5.22</b>
Gray	Medium	TM2265056	5.86	<b>3.52</b>

22601

## **3M** Abrasive Belts - 241D

- Aluminum oxide - X wt. cloth
- Excellent all around abrasive belt for blending and finishing



Width	Length	Grit	Order No.	Regular Price	SALE
1"	42"	60	TM1001450	4.38	<b>3.30</b>
1"	42"	80	TM1001451	3.97	<b>3.00</b>
1"	42"	100	TM1001452	3.73	<b>2.82</b>
1"	42"	120	TM1001453	3.73	<b>2.82</b>
6"	48"	60	TM1001457	19.36	<b>14.61</b>
6"	48"	80	TM1010454	17.58	<b>13.28</b>
6"	48"	100	TM1010455	16.47	<b>12.43</b>
6"	48"	120	TM1010456	16.47	<b>12.43</b>
2"	72"	180	TM1026309	7.08	<b>5.32</b>
2"	72"	60	TM1026316	8.29	<b>6.27</b>
2"	72"	80	TM1033067	7.54	<b>5.69</b>
2"	72"	240	TM1081752	7.08	<b>5.32</b>

22576



**SURF PRO** CGT-100% SG Ceramic Resin Fiber Discs

- **Applicable Material:** Stainless Steel, Titanium & Super Alloys, Mild Carbon Steel, Cold Rolled Steel



Diameter	Arbor Hole	Grit	Order No.	Regular Price	SALE
4 1/2"	7/8"	16	SP11RF457016CGT	3.23	2.68
4 1/2"	7/8"	24	SP11RF457024CGT	2.93	2.43
4 1/2"	7/8"	36	SP11RF457036CGT	2.84	2.35
4 1/2"	7/8"	50	SP11RF457050CGT	2.35	1.94
4 1/2"	7/8"	60	SP11RF457060CGT	2.05	1.70
4 1/2"	7/8"	80	SP11RF457080CGT	1.89	1.56
4 1/2"	7/8"	100	SP11RF457100CGT	1.73	1.44
4 1/2"	7/8"	120	SP11RF457120CGT	1.47	1.22
5"	7/8"	16	SP11RF057016CGT	3.91	3.24
5"	7/8"	24	SP11RF057024CGT	3.81	3.15
5"	7/8"	36	SP11RF057036CGT	3.81	3.15
5"	7/8"	50	SP11RF057050CGT	3.10	2.57
5"	7/8"	60	SP11RF057060CGT	2.65	2.20
5"	7/8"	80	SP11RF057080CGT	2.72	2.35
5"	7/8"	100	SP11RF057100CGT	2.25	1.87
5"	7/8"	120	SP11RF057120CGT	1.89	1.56
7"	7/8"	16	SP11RF077016CGT	7.97	6.60
7"	7/8"	24	SP11RF077024CGT	7.30	6.05
7"	7/8"	36	SP11RF077036CGT	6.46	5.35
7"	7/8"	50	SP11RF077050CGT	5.74	4.75
7"	7/8"	60	SP11RF077060CGT	4.94	4.09
7"	7/8"	80	SP11RF077080CGT	4.53	3.75
7"	7/8"	100	SP11RF077100CGT	4.13	3.42
7"	7/8"	120	SP11RF077120CGT	3.40	2.82

28713

**SURF PRO** Silicon Carbide Bench Wheels

**Features:**

- These wheels cover a broad range of general bench grinding jobs
- Each wheel contains a free nested bushing
- For carbide and non-ferrous material



**Silicon Carbide Grit Range:**

- Medium - 60 grit for roughing of carbide tools
- Fine - 80 grit for all purpose grinding of carbide tools

Diameter - 6", Width - 1/2", Arbor Hole - 1"					
Grade	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
Medium Grit	4,140	1	MH60060036571	70.36	51.80
Medium Grit	4,140	1	MH60060036572	70.36	51.80
Fine Grit	4,140	1	MH60060036573	70.36	51.80

Diameter - 6", Width - 1", Arbor Hole - 1"					
Grade	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
Medium Grit	4,140	1	MH60060037187	87.19	70.61
Medium Grit	4,140	1	MH60060037193	87.19	70.61
Fine Grit	4,140	1	MH60060037194	87.19	70.61

Diameter - 6", Width - 3/4", Arbor Hole - 1"					
Grade	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
Medium Grit	4,140	1	MH60060037190	75.42	61.06
Medium Grit	4,140	1	MH60060037191	75.42	61.06
Fine Grit	4,140	1	MH60060037192	75.42	61.06

Diameter - 7", Width - 1", Arbor Hole - 1"					
Grade	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
Medium Grit	3,600	1	MH60070042300	106.54	86.26
Medium Grit	3,600	1	MH60070042301	106.54	86.26
Fine Grit	3,600	1	MH60070042302	106.54	86.26

24160

**SURF PRO** Economy Diamond Wheel Dressers

- For dressing vitrified grinding wheels



Diamond Carat Size	Shank Diameter - 3/8", Shank Length - 3"			Shank Diameter - 7/16", Shank Length - 3"		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/4"	MN45ED025A	9.27	6.77	MN45ED025B	9.27	6.77
1/2"	MN45ED050A	15.24	11.01	MN45ED050B	15.24	11.01
1"	MN45ED100A	29.86	21.97	MN45ED100B	29.86	21.97
1-1/2"	MN45ED150A	46.82	34.25	MN45ED150B	46.82	34.25
2"	MN45ED200A	57.82	42.74	MN45ED200B	57.82	42.74

674

**3M** Cubitron II Type Q Depressed Center Grinding Wheels

- 3M Cubitron II Type-Q depressed center grinding wheel uses ceramic aluminum oxide as the abrasive material
- Can be run at a maximum speed of 8,500 RPMs



Diameter	Width	Arbor Hole	Maximum RPM	Order No.	Regular Price	SALE
4"	1/4"	3/8"	15,300	TM0178469	19.70	14.87
4"	1/4"	5/8"	15,300	TM0178468	19.70	14.87
4 1/2"	1/4"	5/8"	13,300	TM0164320	23.10	17.45
4 1/2"	1/4"	5/8"-11	13,300	TM0187397	10.16	7.70
4 1/2"	1/4"	5/8"-11	13,300	TM0187453	6.38	4.83
4 1/2"	1/4"	7/8"	13,300	TM0178466	20.46	15.44
5"	1/4"	5/8"	12,250	TM0164317	26.13	19.74
5"	1/4"	5/8"-11	12,250	TM0187446	11.56	8.74
5"	1/4"	7/8"	12,250	TM0178467	23.61	17.82
5"	1/4"	7/8"	12,250	TM0187454	7.41	5.58
6"	1/4"	5/8"	10,200	TM0164318	31.81	24.52
7"	1/4"	5/8"	8,500	TM0164319	33.81	25.01
7"	1/4"	5/8"-11	8,500	TM0187448	16.42	12.38
7"	1/4"	5/8"-11	8,500	TM0187451	14.12	10.67
7"	1/4"	7/8"	10,200	TM0164314	28.78	21.73
7"	1/4"	7/8"	8,500	TM0164315	30.19	22.78
9"	1/4"	5/8"	6,650	TM0187153	44.41	33.53
9"	1/4"	5/8"-11	6,650	TM0187449	24.11	18.19
9"	1/4"	5/8"-11	6,650	TM0187452	21.31	16.09
9"	1/4"	7/8"	6,650	TM0164316	40.84	30.84

95

**SURF PRO** Quantum 3 Depressed Center Wheels - Type 27 - 1/4" Wide

- Reduced hand fatigue from less cutting vibration
- For high metal removal and reduced pressure from faster cutting action
- Less downtime & waste



Diameter	Arbor Hole	Maximum RPM	Order No.	Regular Price	SALE
4 1/2"	5/8"-11	13,580	MH60D045070793	26.41	14.85
4 1/2"	7/8"	13,580	MH60D045070794	22.58	12.69
5"	5/8"-11	12,225	MH60D050070795	29.53	16.61
5"	7/8"	12,225	MH60D050070796	26.41	14.86
6"	5/8"-11	10,185	MH60D060070797	36.50	20.52
6"	7/8"	10,185	MH60D060070798	32.11	18.05
7"	5/8"-11	8,600	MH60D070070799	38.35	21.56
7"	7/8"	8,600	MH60D070070800	33.67	18.94

478

**SURF PRO** Single Point Diamond Dressing Tools

**Features:**

- Consistent diamond structure and shape for repeatable dressing performance
- Well defined diamond point
- Non-resettable



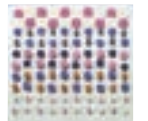
Model No	Shank Diameter	Shank Length	Maximum Compatible Wheel Diameter	Order No.	Regular Price	SALE
BC2M6	3/8"	2"	7"	MH63BC95000	100.33	81.24
BC2M7	7/16"	2"	7"	MH63BC95001	100.33	81.24
BC3M6	3/8"	2"	10"	MH63BC95002	111.50	90.28
BC3M7	7/16"	2"	10"	MH63BC95003	111.50	90.28
BC5M6	3/8"	2"	14"	MH63BC95004	132.83	107.56
BC5M7	7/16"	2"	14"	MH63BC95005	132.83	107.56

24162

**Grier** Mounted Point Kits

**Tool Room Assortment**

- Convenient storage box
- Use on die or in-line/straight shaft grinders
- Blending contours
- Deburring molded parts and mold finishing
- ID grinding, offhand bench grinding, tool and die
- Shank length: 1-1/2"



Spindle Diameter	Number of Pieces	Order No.	Regular Price	SALE
1/8"	100 Piece Assortment	ML50MP100	134.72	104.27
1/4"	50 Piece Assortment	ML50MP50	134.72	104.27

23264

## PRM<sup>PRO</sup> Air Cooled torches 150 & 125

- 17 and 9 Series Torches Air cooled torches
- Silicone Rubber
- 3 Styles to choose from
- Hose not included



150 Amp Air-cooled			
Type	Order No.	Regular Price	SALE
Flex Torch Body	WE1017F	48.37	<b>34.38</b>
Flex Torch Body	WE1017FV	50.80	<b>36.11</b>
Flex Torch Body	WE1017FVMT	133.81	<b>95.11</b>
Torch	WE1017V	41.08	

125 Amp Air-cooled			
Type	Order No.	Regular Price	SALE
Flex Torch Body	WE109F	48.37	<b>34.38</b>
Flex Torch Body	WE109FV	82.20	<b>58.42</b>

2906

## PRM<sup>PRO</sup> Carbons

### Pointed or Jointed

- Pointed sold in package quantity of 50 only
- Jointed sold in package quantity of 100 only



Pointed				
Diameter	Length	Order No.	Regular Price	SALE
3/16"	12"	WE1022033003	24.54	<b>17.44</b>
1/4"	12"	WE1022043003	27.60	<b>19.62</b>
5/16"	12"	WE1022053003	33.73	<b>23.96</b>
3/8"	12"	WE1022063003	42.93	<b>30.52</b>

Jointed				
Diameter	Length	Order No.	Regular Price	SALE
3/8"	17"	WE1024064003	297.52	<b>211.48</b>
1/2"	17"	WE1024084003	364.99	<b>259.44</b>

2950

## PRM<sup>PRO</sup> Tungsten Electrodes

- Complete line of Tungsten Electrodes available
- Priced per package of 10 pieces



Size	Pure			2% Ceriated			1.5% Lanthanated			E3		
	Order No.	Reg-ular Price	SALE	Order No.	Reg-ular Price	SALE	Order No.	Reg-ular Price	SALE	Order No.	Reg-ular Price	SALE
1/16"	WE101167G	25.93	<b>18.43</b>	WE101167GC2	28.52	<b>20.27</b>	WE101167GL	27.05	<b>19.29</b>	WE101167000	23.87	<b>16.95</b>
3/32"	WE103327G	51.47	<b>36.58</b>	WE103327GC2	56.90	<b>35.04</b>	WE103327GL	54.35	<b>38.63</b>	WE103327000	48.60	<b>34.54</b>
1/8"	WE10187G	87.66	<b>62.31</b>	WE10187GC2	96.71	<b>68.73</b>	WE10187GL	92.10	<b>65.46</b>	WE10187000	83.88	<b>59.63</b>

2910

## LEONCO<sup>TECH</sup> Fire Resistant Black Welding Sleeves

- Slip on a pair of welding sleeves for added spatter and heat resistance.
- These black sleeves feature 9 oz. 100% flame retardant material where possible to keep you cool, but include split leather panels in high wear areas.
- Elastic cuffs at each end keep spatter out and hold the sleeves in position.
- Sleeve length 21" (53 cm)



Color	Material	Order No.	Regular Price	SALE
Black	Cotton	LE01KH813	17.29	<b>13.92</b>

29101

## 7018 Mild Steel Electrodes

- High deposition electrode for low and medium carbon steels
- It is an efficient iron powder, low hydrogen electrode with excellent mechanical properties, crack resistance, and X-ray quality welds
- This electrode offers a quiet, stable low penetration spatter-free arc
- Sold by the pound



Diameter	Length	Container Type	ManufacturerNo	Order No.	Regular Price	SALE
3/32"	14"	5 Lb Package	7018505	HR7120240	7.48	<b>5.31</b>
1/8"	14"	5 Lb Package	7018605	HR7120250	7.01	<b>4.98</b>
5/32"	12"	5 Lb Package	7018705	HR7120260	7.01	<b>4.98</b>
3/32"	12"	10 Lb Package	70185010	HR7120270	7.01	<b>4.98</b>

2656

## 301AR/CD Shielding Gas Kit

- Kit includes 10 feet of 3/16" ID approved hose with inert fittings
- Features the Harris time proven 301 flowgauge regulators to give precise control of the most common welding shield gases up to 60 SCFH



Fuel Type	Flow Capacity	Max Inlet PSIG	Outlet Connection	ManufacturerNo	Order No.	Regular Price	SALE
Ar + Mixes	60	3000	5/8-18 RH (F)	4400229	HR7010100	213.52	<b>131.53</b>

2651

## LEONCO<sup>TECH</sup> Black Cloth Welding Shirts

- Treated fabrics are cotton or cotton-blend fabrics that are treated with chemicals that form a permanent bond with the fabric that cannot be washed out when the recommended laundering instructions are followed
- Sleeve length varies by size from 31 in. to 34 in.
- Machine washable
- Features snap sleeves for form fitting cuffs



Size	Material	Khaki			Black		
		Order No.	Reg-ular Price	SALE	Order No.	Reg-ular Price	SALE
Medium	Cotton	LE01KH841M	71.73	<b>57.79</b>	LE01KH809M	71.73	<b>57.79</b>
Large	Cotton	LE01KH841L	71.73	<b>57.79</b>	LE01KH809L	71.73	<b>57.79</b>
X-Large	Cotton	LE01KH841XL	71.73	<b>57.79</b>	LE01KH809XL	71.73	<b>57.79</b>
2X-Large	Cotton	LE01KH841XXL	80.76	<b>65.05</b>	LE01KH809XXL	78.51	<b>63.25</b>

Pricing could change from the mfg please call for current pricing

28737

## LEONCO<sup>TECH</sup> Leather Welding Gloves

- Help prevent injury from hot metals, sparks and grindings
- Leather construction with gauntlet for heat and chemical resistance
- Fabric lined for comfort while welding and cutting
- Winged thumb for greater flexibility



Color	Material	Order No.	Regular Price	SALE
Black/Red	Leather	LE01KH643	21.01	<b>16.92</b>

29094

## Lisle Magnetic Soldering Clamp

- Clamp offers an extra pair of hands when soldering
- Alligator clamps firmly hold wire and small parts
- Flexible design promotes different holding positions
- Clips and base are magnetic
- Arms are magnetic and can be removed and used without the base
- Base is hex shape to fit in a vise



Order No.	Regular Price	SALE
KN6555000	29.00	20.61

2763

## SOLDER-IT! Workbench Torches/Heat Gun

- Automatic Piezo ignition
- Complete portability
- Comfortable rubber grip
- Separate controls for fuel and air
- Unparalleled safety features
- 4 Hours burn time per fill
- Removable safety stand included
- Shipped empty with no fuel



Order No.	Regular Price	SALE
RT52PT200	107.61	71.48

3106

## TITAN Welding Helmets

- Variable shades from DIN 9 to DIN 13
- Ultra high performance filters protect against UV and IR
- Automatically changes from a light to dark when arc is struck
- Complies with DIN, ISO, EN379 safety standards and ANSI Z 87.1 standards
- Durable, light weight material is corrosion resistant and flame retardant
- Utilizes high performance solar cells with 2 built-in 3V lithium batteries as power back-up
- Viewing area: 2.125 x 4"
- 1 Year warranty against mfg defect



Order No.	Regular Price	SALE
KP8241279	235.30	133.81

25291

## Weller Professional Solder Gun Kits

- Dual-heat gun produces 260 or 200 watts
- Pistol grip design
- Fingertip trigger selects high (1st trigger position) or low output (2nd trigger position)
- Ready to use in 6 seconds
- Twin Lights illuminate work
- **Kit contains:** Dual-Heat gun, 1 soldering tip, 1 smoothing tip, 1 cutting tip, flux brush, soldering aid tool and a coil of lead free solder.



Order No.	Regular Price	SALE
RT50D550PK	131.44	98.95

3226

## Protect-O-Screens

- Protects workers from hazards of welding sparks, spatter and UV flash
- Can be used individually or joined together to form multiple panel enclosures
- Features sturdy 18 gauge steel frame and your choice of 12 oz. olive duck or orange transparent vinyl curtain
- Other material and sizes are available
- Purolator dimensional weight shipping rates apply



Width	Height	Color	Order No.	Regular Price	SALE
6	6	Olive	RT5850166	276.04	196.22
6	8	Olive	RT5850186	333.59	237.12

3141

## Flame Retardant Cotton Jackets

- Cotton fabric is processed and treated to be permanently flame retardant, and maintaining it for as many as 50 home washings or 25 commercial washings
- Cooler, lighter, economical solution for light exposure to sparks and spatter
- Weldmite™ 9 oz. FR cotton
- Snap front and wrist closure
- Relaxed full cut fit
- Large inside pocket
- Black anodized non-reflective snaps
- Leather reinforced snaps



Size	Chest Size	Length	Green			Black		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Medium	44"-46"	30"	RT581030M	36.02	25.60	RT581160M	53.96	38.35
Large	48"-50"	30"	RT581030L	36.02	25.60	RT581160L	53.96	38.35
X-Large	52"-54"	30"	RT581030X	36.02	25.60	RT581160X	53.96	38.35
2X-Large	56"-58"	30"	RT5810302X	37.27	26.48	RT5811602X	55.90	39.74

3137

## Welding Curtain Rolls

- Ideal for instant curtains needed for maintenance projects and used widely in robotic welding areas where large curtains are needed to enclose the perimeter of a welding area
- Protects against welding spark and UV flash
- Curtains are grommeted on one side every 12"
- Simply roll out the curtain needed and cut it with scissors



Width	Length	Color	Order No.	Regular Price	SALE
60"	25 yard	Gray	RT5863225	561.19	398.91
60"	25 yard	Orange	RT5863825	561.19	398.91
60"	25 yard	Yellow	RT5863425	561.19	398.91

3144

## TITAN Solar Powered Auto Dark Welding Helmets

- Durable, lightweight material is corrosion resistant and flame retardant
- Ultra high performance filters protect against UV and IR
- Returns to normal when welding stops w/ dark to clear adjustments available
- Special turnover headband mechanism allows for greater comfort and reduces fatigue
- Utilizes high performance solar cells with 2 built-in 3V lithium batteries as power back-up
- Viewing area: 3.86" x 2.17"



Window Style	Order No.	Regular Price	SALE
Auto Darkening	KP8241265	235.30	133.81
Auto Darkening	KP8241266	235.30	133.81
Auto Darkening	KP8241279	235.30	133.81
Fixed Front	KP8241282	235.30	133.81
Fixed Front	KP8241283	235.30	133.81
Auto Darkening	KP8241288	235.30	133.81
Auto Darkening	KP8241289	235.30	133.81
Auto Darkening	KP8241290	235.30	133.81
Auto Darkening	KP8241295	235.30	133.81

25292

**DEWALT 20V MAX 1/2" IMPACT WRENCH**

- Dual LEDs help illuminate the work surface
- Variable-speed dial allows the user to match speed of the router to the application
- Depth adjustment ring allows for fast and easy height adjustments
- Soft start motor with full-time electronic feedback allows the motor to maintain speed during cuts
- Electronic brake slows the motor down faster after the unit is shut off
- Tool only.... battery and charger not included
- Router Motor, Fixed Base, Instruction Manual, Wrench



new product

Drive	Maximum RPM	Battery and Charger	Model No	Order No.	Regular Price	SALE
1/2"	0-2,300	Not Included	DCF880B	PD20DCF880B	281.87	227.06

30734

**DEWALT 20V MAX\* BRUSHLESS DRYWALL SCREWGUN & CUT-OUT TOOL COMBO KIT (2.0AH)**

- Screwgun with 4,400 rpm brushless motor provides corded performance without the cord
- Both tools have DEWALT built motors that deliver maximum run-time
- Screwgun is balanced and ergonomic - comparable to the DW272 DEWALT corded screwgun
- Cut-out tool provides a durable dust sealed switch to protect the life of the tool and 26,000 rpm
- Both tools have bright LEDs to provide greater visibility
- Includes: (1) DCF620 20V MAX\* XR® Li-Ion Brushless Drywall Screwgun - Tool, (1) DCS551 20v MAX\* XR Li-Ion Cordless Cut-out Tool, (2) DCB203: 20V MAX\* Compact Li-Ion Batteries (2.0 Ah), (1) DCB112 - Multi-voltage charger



new product

Type	Model No	Order No.	Regular Price	SALE
Screwgun & Cut-Out Tool Combo Kit	DCG263D2	PD20DCK263D2	586.63	472.58

30738

**DEWALT 20V MAX\* XR® BRUSHLESS CORDLESS COMPACT ROUTER**

- Dual LEDs help illuminate the work surface
- Variable-speed dial allows the user to match speed of the router to the application
- Depth adjustment ring allows for fast and easy height adjustments
- Soft start motor with full-time electronic feedback allows the motor to maintain speed during cuts
- Electronic brake slows the motor down faster after the unit is shut off
- Tool only.... battery and charger not included
- Router Motor, Fixed Base, Instruction Manual, Wrench



new product

Model No	Order No.	Regular Price	SALE
DCW600B	PD20DCW600B	373.46	300.85

30750

**DEWALT 5 IN. 20V MAX XR® ANGLE GRINDER WITH KICKBACK BRAKE**

- Brushless motor requires no brush changes
- Kickback Brake engages when a pinch, stall, or bind-u... will shut off includes E-CLUTCH® / OVER-LOAD PROTECTION
- POWER-LOSS RESET® - The ON/OFF trigger switch has a no-volt release function
- Two stage trigger requires two actions to activate tool
- Paddle Switch
- Tool only.... battery and charger sold separately
- Includes: Side Handle, Hex Key, Inner and outer flange, 4.5 in. type 27 guard



new product

Spindle Size	Voltage	Disc Diameter	Model No	Order No.	Regular Price	SALE
5/8"-11	20 V	5"	DCG413FB	PD20DCG413FB	608.16	489.93

30753

**DEWALT FLEXVOLT® 60V MAX\* BRUSHLESS 4-1/2 IN. - 6 IN. CORDLESS GRINDER**

- 13 Amp motor equivalent power 9000 rpm no-load speed for applications with 6 in. grinder wheels
- Brake engages when trigger is released with stopping speeds of 1.5 seconds
- E-CLUTCH® activates in less than a tenth of a second when a pinch/stall is detected, shutting down the motor Up to 30% more power vs the DCG414 Grinder
- Tool Only.... battery and charger sold separately
- Spindle lock
- Includes: DCG418 60V MAX\* Brushless 4-1/2 in. - 6 in. Cordless Grinder, (1) Wrench, (2) Flanges, Side Handle, (1) 4-1/2 in. (115mm) Type 27 Guard, (1) 6 in. (150mm) Type 27 Guard



new product

Spindle Size	Voltage	Maximum RPM	Type of Power	Order No.	Regular Price	SALE
5/8"-11	60 V	9,000	Cordless	PD20DCG418B	478.49	385.46

30737

**DEWALT 4.5 IN. 20V MAX XR® PADDLE SWITCH SMALL ANGLE GRINDER KIT**

- Brushless motor that elongates motor life and requires no time changing out worn brushes
- Brake stops wheel in 2 seconds or less on average
- Kickback Brake engages maximum force to stop the wheel when there is a pinch, stall, or bind-up to reduce kickback, and will shut off for further protection.... Features E-Switch Protection™
- Two stage trigger requires two actions to activate tool
- PINCLUDES: Grinder, Side Handle, Hex Key, Inner and outer flange, 4.5 in. type 27 guard, 6.0 AH DCB206 Batteries Qty 2, Charger DCB115, Kitbag



new product

Spindle Size	Model No	Order No.	Regular Price	SALE
5/8"-11	DCG413R2	PD20DCG413R2	742.35	598.03

30736

**DEWALT 20V MAX\* XR® BRUSHLESS CORDLESS 3-SPEED OSCILLATING MULTI-TOOL**

- The 3-speed selector allows users to choose their speed setting based on application
- Brushless motor delivers up to 57% more runtime over brushed
- Dual-Grip variable-speed trigger gives users ultimate speed and application control
- Universal accessory adapter for use with most oscillating tool accessory brands
- Quick-Change accessory system allows blades and attachments to be changed quickly without wrenches
- Bright LED illuminates dark work surfaces for accurate cutting
- Tool only.... battery and charger sold separately
- Includes: DCS356 20V MAX\* XR® Brushless Cordless Oscillating Multi-Tool, Wood with Nails Blade, Fast-Cut Wood Blade, Universal Accessory Adaptor



new product

Type	Model No	Order No.	Regular Price	SALE
Oscillating	DCS356B	PD20DCS356B	281.87	227.06

30740

**DEWALT 20V MAX XR® HIGH TORQUE IMPACT WRENCH**

- Up to 700 ft.-lbs of max torque and 1200 ft.-lbs of max breakaway torque
- Compact design of 8-13/16 in. in length
- Multi-speed control for a variety of applications (0-400/1,200/1,900 rpm)
- 1/2 in. Anvil with detent pin
- LED with 20-second delay for increased visibility
- 3 LEDs with 20-second delay after trigger release, provide visibility without shadows
- Tool only (batteries and charger sold separately)



new product

Drive	Maximum RPM	Model No	Order No.	Regular Price	SALE
1/2"	400 / 1,200 / 1,900	DCF899B	PD20DCF899B	488.52	393.55

30744

**DEWALT 20V MAX\* CORDLESS BRUSHLESS XR® DRYWALL SCREW-GUN & IMPACT DRIVER KIT (4.0AH)**



- Built brushless motor in both units that delivers maximum run time
- XR® Li-Ion batteries with fuel gauge provide 33% more capacity over standard packs
- Impact driver has compact and lightweight designed to fit into tight areas
- Screwgun has up to 4,400 rpm provides greater speed, a better balanced and ergonomic than DW272 corded screwgun
- Impact driver has one-handed loading 1/4" hex chuck accepts 1" bit-tips
- Belt hook included on both units for portability as well as LEDs for increased visibility
- 3-speed settings on impact driver for optimized application versatility
- Precision drive in speed 1 for precision applications and added control
- Includes: DCF620 20V MAX\* XR® Drywall Screwgun, DCF887 20V MAX\* XR® 1/4" 3-Speed Impact Driver, (2) DCB204 20V MAX\* XR 4.0AH Battery Pack, Charger, Contractor Bag, (2) Belt Clips



Type	Model No	Order No.	Regular Price	SALE
Screwgun & Impact Wrench Kit	DCK267M2	PD20DCK267M2	723.99	<b>583.23</b>

30739

**DEWALT FLEXVOLT® 60V MAX\* BRUSHLESS 7-1/4 IN. CORDLESS CIRCULAR SAW WITH BRAKE KIT**



- Up to 47% more power vs the DCS575\*\*
- Uses a 7-1/4 in. circular saw blade and features a maximum cut depth of 2-9/16 in. at a 90° bevel
- Maximum bevel capacity of 57° with bevel stops at 22.5° and 45°
- Electric brake stops the blade after the trigger is released
- Integrated LED for increased visibility and cut accuracy
- Integrated rafter hook for quick and easy storage
- 2-batteries and charger included
- (1) DCS578 60V MAX\* Brushless 7-1/2 in. Cordless Circular Saw, (1) Blade, (1) Blade Wrench, (1) Charger, (2) DCB609 FLEXVOLT® 9.0Ah Battery (1) Kit Bag



Model No	Order No.	Regular Price	SALE
DCS578X2	PD20DCS578X2	935.16	<b>753.35</b>

30742

**DEWALT FLEXVOLT® 60V MAX\* 7-1/4" BRUSHLESS CORDLESS RECIPRO-CATING SAW**



- **FASTER CUTTING:** Powerful brushless motor delivers 5,500 RPM for faster cutting... UP TO 77% MORE POWER\*\* when paired with FLEXVOLT® batteries
- **ELECTRIC BRAKE** stops the blade after the trigger is released
- **INCREASED VISIBILITY:** Bright LED increases visibility and cut accuracy
- **EASY STORAGE:** Integrated rafter hook for quick and easy storage
- Tool Connect™ Chip Ready: Chip pocket accepts Tool Connect™ Chip DCE042 and connects with Tool Connect™ Site Manager app for easy asset management on the jobsite. (DCE042 sold separately)
- **COMPATIBLE** with all DEWALT® 20V MAX\* and FLEXVOLT® Batteries
- **MINIMIZES DUST:** Optional dust port allows connection to a dust extractor to minimize dust during cutting (DWE575DC Dust Port sold separately)
- Tool only.....battery and charger sold separately
- Includes: (1) DCS573 20V MAX\* 7-1/4 in. Brushless Cordless Circular Saw, (1) DWA171424 Saw Blade, (1) Blade Change Wrench

Model No	Order No.	Regular Price	SALE
DCS573B	PD20DCS573B	471.75	<b>380.03</b>

30743

**DEWALT FLEXVOLT® 60V MAX\* BRUSHLESS 7-1/4 IN. CIRCULAR SAW**



- Up to 47% more power vs the DCS575
- Maximum cut depth of 2-9/16 in. at a 90° bevel
- Maximum bevel capacity of 57° with bevel stops at 22.5° and 45°
- Electric brake stops the blade after the trigger is released
- Integrated LED for increased visibility and cut accuracy
- Integrated rafter hook for quick and easy storage
- Tool only.....battery and charger sold separately
- Includes: (1) DCS578 60V MAX\* Brushless 7-1/2 in. Cordless Circular Saw, (1) Blade, (1) Blade Wren



Model No	Order No.	Regular Price	SALE
DCS578B	PD20DCS578B	470.02	<b>378.64</b>

30741

**DEWALT FLEXVOLT® 60V MAX\* BRUSHLESS CORDLESS RECIPROCATING SAW**



- Power of corded with the freedom of cordless
- 0 - 3000 spm and 1-1/8 in. stroke length for fast and efficient cutting
- Keyless lever-action blade clamp for quick and easy blade changes
- Variable-speed trigger allows user to instantly control speed
- Pivoting shoe provides leverage for different applications
- LED helps illuminate dark jobsite work areas
- Tool only.... battery and charger sold separately
- Includes: (1) DCS389 60V MAX\* Brushless Cordless Reciprocating Saw, (1) Blade



Strokes per Minute	Model No	Order No.	Regular Price	SALE
3,000 SPM	DCS389B	PD20DCS389B	517.21	<b>416.66</b>

30745



**2235TIMAX IMP WRCH 1/2 DR**

- Finely tuned impact mechanism and motor deliver more torque, durability, and efficiency
- 1,350 ft-lb nut-busting torque
- A lightweight, balanced, air impact wrench that weighs just 4.6lbs
- Titanium hammer case is designed to be strong and durable, to protect the interior components of the air impact wrench
- Impact- and chemical-resistant housing protects against repeated drops and exposure to shop fluids
- Pin anvil ensures positive socket retention
- Optimized for the vehicle repair industry, heavy trucks, tire lanes, fleet maintenance, body shops, general industrial use, MRO, rail, heavy machinery, oil and gas, shipbuilding, and construction
- The 2235TiMAX Series comes with a two-year manufacturing warranty, so you're covered in case of any defects or serious issues.



Drive	Handle Type	Type	Type of Power	Maximum RPM	Torque	Air Inlet Size	Average Air Consumption	Impacts per Minute	Drive Type	Order No.	Regular Price	SALE
1/2"	Pistol Grip	Air Impact Wrench	Air	8,500	930 feet/lbs	1/4" NPT	24 cfm	1,220	Square	PR552235TiMAX	920.59	<b>654.37</b>

30866

**PRM PRO. Precision Air Grinder with 1/8" Collet**

- Designed for high speed hand grinding, deburring, drilling, polishing, burring and sanding
- An in-line filter and oiler should be used to provide adequate lubrication to the air motor
- Air pressure must be kept below 85 lb./in. - (high air pressure increases speed which causes damage to the wheels and grinder)



new product

Collet/Chuck	Maximum RPM	Order No.	Regular Price	SALE
1/8"	54,000	PJ65TG11A	131.86	93.73

22668

**High Flow Filter/Regulator**

- Filter provides a high performance, space saving combination unit
- Ideal for use in high flow applications that require regulated, high quality air



new product

Port Size	Flow Rate	Order No.	Regular Price	SALE
3/8"	65 SCFM	PF5330003	143.47	126.45

1964

**Chicago Pneumatic Precision Air Grinders with 1/8" Collet**

- Designed for high speed hand grinding, deburring, drilling, polishing, burring and sanding
- An in-line filter and oiler should be used to provide adequate lubrication to the air motor
- Air Pressure must be kept below 85 lb./in - High air pressure increases speed which causes damage to the wheels and grinder



new product

BrandName	Maximum RPM	Order No.	Regular Price	SALE
Chicago Pneumatic	60,000	PF50CP9104QB	266.41	189.36
Air Supreme	54,000	PJ65TG11A	131.86	93.73

2316

**Dynaflex® II Abrasive Belt Machine For 18" Long Belts Model 40320**

- Grind, deburr, blend and polish, on metal, plastic, fiberglass, composites, rubber, glass and more.
- Includes 11206 Contact Arm for 3/4" W x 18" L abrasive belts
  - Ideal for use with coated abrasive and non-woven nylon belts!
  - Grind off contact wheel or platen pad. Finish & polish using slack of belt



Belt Length	Belt Width	Maximum RPM	Horsepower	Air Inlet Size	Order No.	Regular Price	SALE
18"	3/4"	20,000	0.50 hp	1/4" NPT	PF3040320	946.82	583.27

2166

**'The Original' Dynaflex® Abrasive Belt Machine Model 14000**

- Belt housing has larger opening for belt tracking and operation
- Composite belt guard
- Lightweight, thermal-insulated composite motor housing reduces vibration and cold air transmission to operator
- Adjustable speed to 5,800 surface feet per minute
- Replaces tedious hand filing and sanding
- Work in areas as small as 3/8" diameter
- They Dynaflex accepts over 30 interchangeable contact arms



Belt Length	Belt Width	Maximum RPM	Horsepower	Air Inlet Size	Order No.	Regular Price	SALE
24"	1/2"	20,000	0.50 hp	1/4" NPT	PF3014000	962.00	638.21

2167

**5" Dynorbital-Spirit™ Non Vacuum Random Orbital Sander Model 59020**

- Incorporates the latest engineering and manufacturing technology to create the lightest sander on the market today
  - New 3-1/2" low profile design, improves control and offers greater operator visibility
  - Easily replaceable drop-in motor
- Specifications:**
- Weight: 1.4 lbs, 75 dB(A)
  - .25 HP @ 12,00 RPM
  - 3/16" Diameter orbit
  - Includes perfectly balanced weight-mated pad - the ultimate in swirl-free finishes



Disc Diameter	Type of Power	Air Inlet Size	Maximum RPM	Horsepower	Model No	Order No.	Regular Price	SALE
5"	Pneumatic	1/4" NPT	12,000	0.25 hp	59020	PF3359020	391.98	222.90

2180

**Chicago Pneumatic Air Powered Grinders**

- General maintenance applications
- Productivity and control ideal for moldings and general high-speed polishing and grinding
- Robust aluminum alloy body
- CP streamline safety lever Built-in air regulator
- Includes 1/4" and 6mm collets



Type	Features and Benefits	Maximum RPM	Average Air Consumption	Air Inlet Size	Order No.	Regular Price	SALE
Economy Die Grinder	22,000 RPM, 1/4" and 6mm collet, lock-off throttle, speed and power, precision control and safety, excellent tool for general high speed polishing and grinding	22,000	13 CFM	1/4" NPT	PF50CP872	167.82	119.29
Right Angle	Mini angle grinder compact, lightweight design, 90° angle head allows flexibility in confined areas	22,500	11 CFM	1/4" NPT	PF50CP875	164.69	117.06

28772

**Jacobs** Ball Bearing Super Chucks

- Designed for extra heavy duty drilling applications on production drilling machines, jig borers, milling machines, lathes and radials
- The ball thrust bearing reduces friction in the chuck's closing mechanism



Model No	Maximum Capacity	Mount Type	Key Style	Minimum Capacity	Order No.	Regular Price	SALE
8 1/2N	1/4"	Tapered	K30	0.040"	HK5030209	252.39	<b>179.40</b>
11N	3/8"	Tapered	K32	0.040"	HK5030215	281.25	<b>199.91</b>
14N	1/2"	Tapered	K3	0.040"	HK5030221	393.18	<b>279.48</b>
16N	5/8"	Tapered	K4	1/8"	HK5030227	451.33	<b>320.80</b>
18N	3/4"	Tapered	K4	1/8"	HK5030233	678.79	<b>482.50</b>
20N	1"	Tapered	K5	3/8"	HK5030239	914.04	<b>649.72</b>

23491

**COLMOSE PNEUMATICS** Typhoon™ 1/4" NPT Blow Gun With High Flow Tip

- Maximum flow for easy clean-up and blow-off of even the heaviest shavings and chips
- Lightweight and ergonomic
- 1/4" NPT up to 34 CFM at 125 PSI and 2.1 lbs of thrust
- OSHA compliant



Inlet Size	Tip Type	Order No.	Regular Price	SALE
1/2"	High Flow	LT51TYP2500CS	42.89	<b>29.31</b>
1/4" NPT	High Flow	LT51TYP2501CS	68.22	<b>46.63</b>
3/8" NPT	High Flow Multi-Jet	LT51TYP3800MJ	86.11	<b>54.93</b>

1987

**DREMEL** Rotary Tool Kit

Model 3000-1/24

- Variable speed 5,000-32,000 RPM
- EZ Twist™ nose cap with wrench for fast accessory changes
- Cool-running ball bearing construction for smooth and quiet operation
- Replaceable motor brushes extend tool life
- Can be used with all Dremel rotary tool accessories and most attachments
- 2 Year warranty



Order No.	Regular Price	SALE
PH503000124	171.60	<b>130.10</b>

2108

**IRACI** Blow Guns

- Blow Guns 1/4 NTP Inlet unless otherwise noted
- Extended Reach Blow Gun
- 360° Rotating Extended Reach Nozzle with Rubber Tip



Model No	Tip Type	Order No.	Regular Price	SALE
AG2-10	Extension Reach	LX55AG2	35.47	<b>21.84</b>
AG206-BX	Tamperproof Safety	LX55AG206	21.57	<b>13.28</b>
AG218-BX	Safety Booster	LX55AG218	22.43	<b>12.75</b>
AG7	Safety	LX55AG7	20.74	<b>12.78</b>

2239

**Starrett** Univerz® Portable Bands

With Starrett Bi-Metal Unique Technology

- Triple tempered M-42 cobalt high speed steel teeth with a fatigue resistant alloy steel backer
- Patented "Twin Tooth" design
- Faster cutting and longer tool life than ordinary blades



Length	Width (W)	Thickness (H)	Teeth per Inch (TPI)	Order No.	Regular Price	SALE
44-7/8"	1/2"	0.02"	10	FX83BM10	19.61	<b>15.77</b>
44-7/8"	1/2"	0.02"	14	FX83BM14	19.61	<b>15.77</b>
44-7/8"	1/2"	0.02"	18	FX83BM18	19.61	<b>15.77</b>
44-7/8"	1/2"	0.02"	24	FX83BM24	19.61	<b>15.77</b>
44-7/8"	1/2"	0.02"	10/14 VT	FX83BM1014	19.61	<b>15.77</b>
44-7/8"	1/2"	0.02"	14/18 VT	FX83BM1418	19.61	<b>15.77</b>

† Priced each & Sold in sleeves (3 per sleeve) only. Sleeve cannot be broken

25065

**Bi-Metal Blade 3840 DSL**

- Extra heavy duty bi-metal blade with coarse teeth for building and demolition work
- Blade thickness is increased 0.63" (1.6mm) for greater strength - making this blade ideal for cutting any building material - even heavy wood with large-dimension nails



Length	Teeth per Inch (TPI)	Quantity	Order No.	Regular Price	SALE
6"	5 8	5	FX848246631	28.57	<b>16.24</b>
6"	10	5	FX8414150194773	25.26	<b>14.36</b>
6"	10	10	FX8414150194827	37.61	<b>21.39</b>
6"	14	5	FX8414150194766	25.26	<b>14.36</b>
6"	18	10	FX8414150194803	37.61	<b>21.39</b>
6"	18	5	FX8414150194759	25.26	<b>14.36</b>
8"	10 14	5	FX8414150194957	49.34	<b>28.05</b>
8"	10 14	10	FX8414150194964	78.32	<b>44.54</b>
9"	10	10	FX8414150194889	59.35	<b>33.74</b>
9"	10	5	FX8414150194834	30.30	<b>17.22</b>
9"	14	5	FX8414150194841	30.30	<b>17.22</b>
9"	14	10	FX8414150194872	59.35	<b>33.74</b>
9"	18	10	FX8414150194865	59.35	<b>33.74</b>
12"	5 8	5	FX848246679	44.51	<b>25.31</b>
12"	10	5	FX8414150194940	30.30	<b>17.22</b>
12"	18	10	FX8414150194919	59.35	<b>33.74</b>

2325

**Risle** Locking Air Tool Holder

Organize air tools with the lockable tool holder

- Hold up to five pneumatic tools in a 10" space
- Fits all popular quick connect fittings
- Locking feature protects your air tools from theft (lock not included)
- Durable powder-coated finish



Order No.	Regular Price	SALE
KN6549960	44.22	<b>31.43</b>

2274

### Mitutoyo Quill Kit

#### Easy Installation Fits Most Vertical Knee Mills

- Easy to read LCD with resolution of .0005" / 0.01mm
- Push button controls for inch/mm, zero-set and on/off
- Powered by a single SR-44 battery which lasts about 1 year with normal use
- SPC output for data transmission to data processors or LED remote display box
- Digimatic quill kit complete with brackets & scale for Bridgeport type machines



Order No.	Regular Price	SALE
MT85053906	472.03	390.91

23950

### Mitutoyo 1" Travel AGD 2 Dial Indicator

- 2-1/4" Dial
- .001" Graduation
- Lug back
- Revolution counter
- 3/8" Diameter stem



Order No.	Regular Price	SALE
MT802416S	163.86	154.31

4078

### Mitutoyo 6 Pc. Telescope Gage Set

- 5/16" to 6" Range
- Self centering plungers
- Knurled knob on handle
- Locks on any setting



Order No.	Regular Price	SALE
MT80155-903	333.01	265.16

4082

### Mitutoyo Dial Calipers

- Smooth sliding
- Shock protection
- Lock screw on bezel
- White face
- 6" and 8" main beam coated with titanium nitride
- .001" Graduation
- .100" Range / revolution
- +/- .002" Accuracy



Measuring Range	Order No.	Regular Price	SALE
0-6"	MT80505-742J	205.26	163.46
0-12"	MT80505-746	456.46	363.46

4113

### Mitutoyo Digimatic Calipers

#### Non-SPC Output with Absolute Encoder

- Zero-setting of the display position (incremental mode)
- Large LCD digits
- .0005" / 0.01mm Resolution
- Scale contamination detection function



**Specifications:**Function: ORIGIN Setting ZERO/ABS, ON/OFF - Inch/Metric

Measuring Range	Order No.	Regular Price	SALE
0-6" / 0-150 mm	MT80500-196-30	254.07	202.31
0-8" / 0-200 mm	MT80500-197-30	366.03	291.47
0-12" / 0-300 mm	MT80500-193-30	757.32	585.22

4126

### Mitutoyo IDS Digimatic Indicators

#### With Absolute Encoder

- Measuring range: 0-5" / 0-12.7mm
- LCD Resolution: .0005" / 0.01mm
- Functions: origin, on/off, in/mm +/-
- Data output: SPC digimatic output
- Stem diameter: .375" -.0012"
- Contact point .16" (dia.) steel ball (4-48 UNF) No. 900032
- For SPC output order connecting cable MT80905338 (1m) or MT80905409 (2m)



Indicator Style	Order No.	Regular Price	SALE
Lug Back	MT80543-783	288.52	233.86
Flat Back	MT80543-783B	288.52	233.86

4152



## Mitutoyo Coolant Proof Micrometers

### Series 293 - with Dust/Water Protection Conforming to IP65 Level No Data Output

- IP65 protection level, enabling use in environments exposed to cutting oil, etc
- **Note:** anti-corrosion treatment is required after use
- .00005"/0.001mm Resolution
- Carbide tipped measuring faces
- Uses SR44 battery (included)
- Auto power ON/OFF function
- Standard included on sizes over 1"/25mm
- Supplied in fitted case
- Replacement battery order number is KA56357BP3



Measuring Range	Thimble Type	Accuracy	Order No.	Regular Price	SALE
0"-1" / 0 mm-25.4 mm	Ratchet	±0.00005"	MT80293-340-30	324.40	<b>258.31</b>
1"-2" / 25.4 mm-50.8 mm	Ratchet	±0.00005"	MT80293-341-30	394.74	<b>314.34</b>
2"-3" / 50.8 mm-76.2 mm	Ratchet	±0.00005"	MT80293-342-30	493.78	<b>393.19</b>
3"-4" / 76.2 mm-101.6 mm	Ratchet	± 0.0001"	MT80293-343-30	591.39	<b>470.92</b>

4155

## Mitutoyo Magnetic Bases

- Accepts all AGD type dial indicators, test indicators and probes with .375", 6mm or 8mm diameter stems or lug back with 1/4" diameter mounting hole
- On/off switch
- 132 Lbs holding power
- Dial indicators NOT included



Features	Order No.	Regular Price	SALE
Standard	MT807010S	204.12	<b>157.72</b>
Fine Adjustment	MT807011BN	225.36	<b>179.45</b>
Flexible Arm	MT807012-10	328.71	<b>261.76</b>

4168

## Mitutoyo "Quik-Set" Test Indicators with Dovetail Mount

Set includes: (1).078" dia. carbide point installed, (1) stem - 3/8" dia. (8mm dia. for metric indicators) plus clamp with dovetail, holding bar and .039" and .118" steel ball contact point. Supplied with fitted plastic case.



- Jeweled bearings
- Automatic reverse

Dial Color	Range per Revolution	Graduation	Dial Reading	Order No.	Regular Price	SALE
White	0.008"	0.0001"	0-4-0	MT80513-403-10T	322.97	<b>257.19</b>
White	0.030"	0.0005"	0-15-0	MT80513-402-10T	251.20	<b>200.03</b>
White	0.030"	0.0005"	0-15-0	MT80513-412-10T	350.24	<b>278.88</b>
Yellow	0.2mm	0.002 mm	0-100-0	MT80513-405-10T	311.48	<b>248.03</b>

4202

## Mitutoyo Digimatic Micrometers

### SERIES 293 MDC- Lite

- Carbide tipped measuring faces
- Uses (1) SR44 battery (included)
- Large LCD screen
- Resolution .00005" / 0.001mm
- No data output
- Supplied in fitted case
- Replacement battery order number is KA56357BP3



Minimum Measurement	Maximum Measurement	Thimble Type	Order No.	Regular Price	SALE
0"	1" / 25.4 mm	Ratchet	MT80293-330-30	390.43	<b>310.88</b>
1"	2"	Ratchet	MT80293-331-30	459.33	<b>365.76</b>
2" / 50.8 mm	3" / 76.2 mm	Ratchet	MT80293-332-30	568.42	<b>460.71</b>

4218

## Fowler X-DEPTH 22-E Electronic Depth Gauge

- 0-1" travel electronic indicator with 3/8" stem
- Zero reset at any position
- On/off button
- Relative/absolute measuring
- Bottom surface of the base is hardened, ground & lapped
- Full 22" range
- Resolution .0005" / 0.01mm
- Hold feature
- 4" Base
- Includes 2 extra points for small hole applications; one .078" dia. x 1" long and one needle point x 1" long
- Includes shop-hardened case



Order No.	Regular Price	SALE
NA5554125777	449.96	344.26

3763

## Fowler Electronic Micrometers

### Xtra Value II

- Jet black, gray enamel finish
- Large LCD display
- Resolution: .00005"/0.001mm
- Direct RS 232 output
- Carbide measuring faces
- Absolute and incremental modes
- Ratchet thimble
- Includes shop hardened case



Minimum Measurement	Maximum Measurement	Order No.	Regular Price	SALE
0"	1" / 25 mm	NA5554870001	159.73	118.99
1"	2"	NA5554870002	172.48	143.60
2" / 50 mm	3" / 75 mm	NA5554870003	195.44	162.71
3" / 75 mm	4" / 100 mm	NA5554870004	218.55	181.95

3634

## Fowler Swiss Style Micrometers

- Carbide tipped measuring faces
- Insulated frame
- Ratchet thimble and locking nut
- .0001" graduations
- Standards provided for sizes over 1"
- Meets or exceeds federal accuracy specifications
- Complete in case



Minimum Measurement	Maximum Measurement	Order No.	Regular Price	SALE
0"	1"	NA5552229201	88.47	65.90
1"	2"	NA5552229202	103.62	77.19
2"	3"	NA5552229203	121.77	

3717

## TESA IP67 Electronic Calipers

- Perform inside, outside, depth and step measurements
- Instant inch/metric conversion
- Square shaped depth measuring rod
- Thumbwheel
- Absolute and differential measuring system
- Durable stainless steel frame
- Auto shut-off
- Battery life: approx. 2 years
- Power supply: 3V lithium-battery, type CR 2032



Measuring Range	Resolution	Order No.	Regular Price	SALE
0-6" / 0-150 mm	0.0005" / 0.01 mm	MV4545601	222.20	186.77
0-8" / 0-200 mm	0.0005" / 0.01 mm	MV4545602	318.66	267.84

3367

## Fowler Euro-Cal IV Electronic Caliper

- Reads in inch, metric & fractions
- Resolution: .0005"/0.01mm (fractions in 1/64th increments)
- Direct inch/metric/fraction conversion
- Absolute incremental measurement
- Water resistant to IP54 standards
- Stainless steel frame
- 4-way measuring
- RS232 output
- Includes molded plastic case



Measuring Range	Order No.	Regular Price	SALE
0-6" / 0-150 mm	NA55541003301	212.98	158.65
0-12" / 0-300 mm	NA5554100332	323.29	270.70

3532

## Fowler Poly-Cal™ Electronic Caliper

### Inch/Metric/Fraction

- Range 6"/150mm
- Polycarbonate frame
- Large easy-to-read display
- Resolution .0005"/0.01mm, fractions by 1/64 increments
- Absolute / incremental measurement
- 4-Way measuring
- Accuracy +/- .008"
- Supplied with vinyl pouch



Order No.	Regular Price	SALE
NA5554101175	48.32	34.91

3692

## Fowler Electronic Calipers

- RS232C Direct output
- Hold feature
- Preset mode now includes offset for inside jaws
- All sizes feature fine adjustment screw
- Resolution: .0005"/0.01mm
- Inch/metric conversion
- Includes wooden case



Measuring Range	Inside Jaw Depth	Order No.	Regular Price	SALE
0-12" / 0-300 mm	3.5"	NA5554100312	376.15	287.76
0-24" / 0-600 mm	4"	NA5554100024	553.34	446.85
0-40" / 0-1000 mm	6"	NA5554100042	1853.96	1339.57

3786

## INSIZE Digital Calipers

- Absolute and incremental measurement
- Take CR2032 battery
- Automatic power off
- Data output
- Stainless steel
- Fraction reading
- Supplied with certification



Measuring Range	Resolution	Model No	Order No.	Regular Price	SALE
0-6" / 0-150 mm	0.0005" / 0.01 mm	1102-150	SZ201102150	146.30	121.16
0-12" / 0-300 mm	0.0005" / 0.01 mm	1102-300	SZ201102300	266.38	220.60

3945

## PROCHECK 6" Lite-Cal Electronic Caliper

- Range: 6" / 150mm
- Polycarbonate frame
- Large easy-to-read display
- Resolution: .0005" / .01mm (Fractions by 1/64" increments)
- Absolute / Incremental Measurement
- Direct inch / metric / fraction conversion
- 4-way measuring
- Accuracy: +/- .008"
- Supplied with clip-on vinyl pouch
- 1 Year Warranty



Order No.	Regular Price	SALE
PC20EC06150FP	32.80	22.64

4407

## PROCHECK Electronic Calipers

- Inch / metric reading with direct conversion
- Resolution: .0005"/0.01mm
- Hardened stainless steel with precision lapped finish
- 4-Way measuring inside & outside measures
- Supplied with storage case
- Replacement battery: KA56ECR2032



Measuring Range	Inside Jaw Depth	Order No.	Regular Price	SALE
0-6" / 0-150mm	1-9/16"	PC20EC061505	87.09	60.10
0-6" / 0-150 mm	1-9/16"	PC20EC06150F	87.09	60.10

4574

## FLUKE 902 FC True-RMS HVAC Clamp Meter

The Fluke 902 FC Clamp Meter, with Fluke Connect wireless connectivity, can help HVAC technicians improve productivity in the field. The rugged dual-rated CAT III 600 V, CAT IV 300 V meter equips you to perform many essential HVAC system measurements: microamps for testing pilot light sensors; resistance up to 60 kΩ; AC current and AC/DC voltage; capacitance; and contact temperature, all with just one tool. Plus its small form factor makes it easy to hang on to and navigate in tight work spaces.

- 200 μA DC current measurements to measure flame rod
- Extended resistance range to measure thermistors up to 60kΩ
- Capture flue gas temperature
- Measure start and run motor capacitors



Order No.	Regular Price	SALE
FL0713190	495.48	443.23

29895

## PROCHECK 0 - 6" Electronic Caliper

### IP67 Protection

- Inside & outside measures
- Hardened stainless steel with precision lapped finish
- Replacement battery: KA56ECR2032



Caliper Type	Order No.	Regular Price	SALE
IP67	PC20EC061505I67	134.52	92.84

4638

## PROCHECK Shockproof Dial Calipers

- Tough, shockproof design
- .100" per revolution
- Covered rack
- Inside, outside, step & depth measurement
- Hardened stainless steel rack
- Supplied with storage case



Measuring Range	Graduation	Inside Jaw Depth	Range Per Revolution	Dial Face Color	Order No.	Regular Price	SALE
0-6"	0.001"	1-9/16"	0.1"	White	PC21DC06SP	95.45	65.84
0-8"	0.001"	1-15/16"	0.1"	White	PC21DC08SP	129.81	89.59
0-12"	0.001"	2-1/2"	0.1"	White	PC21DC12SP	185.11	127.74

4800

## FLUKE 87-5 Digital Multimeter

Fluke 80 Series V Digital Multimeters: The Industrial Standard. The most trusted industrial multimeter in the business. Designed and built in the U.S.A. Lifetime warranty.

- True-RMS ac voltage and current for accurate measurements on non-linear signals
- Selectable filter for accurate voltage and frequency measurements on motor drives
- 0.05 % dc accuracy
- 6000 counts, 3-3/4 digits
- Measure up to 1000 V ac and dc
- Measure up to 10 A, 20 A for up to 30 seconds
- Built in thermometer lets you carry one less tool (TC probe included)
- Frequency to 200 kHz and % duty cycle



Order No.	Regular Price	SALE
FL0612920	691.47	617.22

29879

## FLUKE Digital Multimeter

- Measures up to 1000V AC/DC voltage, 10A AC/DC current and 40MΩ resistance plus temperature, capacitance, frequency, duty-cycle, test diodes and continuity
- CAT IV 600V / CAT III 1000V safety rating
- Built to endure a 6.6-foot (2 m) drop and withstand daily wear and tear on the job site
- Low battery indicator and easily accessible battery and fuse replacement compartment
- For use in basic and controlled electromagnetic environments such as residential, business and light-industrial locations
- Includes carrying pouch, test leads, alligator clips, thermocouple with adapter and batteries



Model No	Order No.	Regular Price	SALE
MM600	KP6016035	162.42	120.68

30004

## FLUKE T6-1000 Electrical Tester

The Fluke T6-1000 Electrical Tester with FieldSense™ technology lets you quickly, safely take True rms voltage and current measurements without test leads.

- Measure voltage with or without test leads
- Be safer: measure voltage to 1000V through the open fork, without test leads
- Be faster: no need to open covers or remove wire nuts - simultaneously measure voltage and current
- Be everywhere: widest open fork in the industry, measure 4/0 wires up to 200 A



Order No.	Regular Price	SALE
FL0713155	483.06	431.80

29896

## FLUKE T5-600 Electrical Tester

The T5-600 Electrical Tester is a versatile troubleshooting tool you can carry to every job site. Use it to check voltage, continuity, and current, all with one compact, rugged tool. Just select volts, ohms, or current and the tester does the rest. For higher voltage applications check out the Fluke T5-1000.

- Automatically measures volts AC and volts DC with precise digital resolution
- Displays resistance to 1000 Ω
- Easy and accurate OpenJaw™ current measurement
- Detachable SlimReach™ probe tips are customized for national electrical standards
- Continuity beeper
- Rugged enough to withstand a 10 ft (3 m) drop
- Auto off mode to conserve battery life
- 2 year warranty



Order No.	Regular Price	SALE
FL0713140	211.16	189.23

29899

## PROCHECK 6" Digital Height Gage

- 3-Read display in inches, metric 1/128"
- IP54: splash water, oil and dust resistant
- Resolution: .0005" / 0.01mm
- Magnetic base
- 1 Year Warranty



Order No.	Regular Price	SALE
PC20EHG06AB	139.25	<b>96.10</b>

4406

## PROCHECK ABSOLUTE Digital Height Gages

- Large easy to read LCD display
- Absolute technology that memorizes origin zero
- Resolution .0005" / 0.01mm
- Accuracy .0015"
- Indication variability .0005" / 0.01mm
- Connect and interactive with Procheck absolute digital indicators
- Optional USB data kit (PC26DCBL5PIN) available
- Compatible with optional wireless adaptor (PC26WTD1ABS)



Total Range	Order No.	Regular Price	SALE
0 - 12" / 0 - 300mm	PC20HGO12E	779.68	<b>538.07</b>
0 - 24" / 0 - 600mm	PC20HGO24E	1073.86	<b>741.10</b>

4425

## PROCHECK Super Precision Deep Bore Dial Gage Set

- Measures bore to 10" deep, Range 0.7" to 6" diameter
- Super Precision Deep Bore Gauge
- Accuracy: 0.0005" with crisp precision graduations
- Includes gage and interchangeable contact points
- Carbide tip on measuring plunger
- ABS storage case included
- 1 Year Warranty



Order No.	Regular Price	SALE
PC21DBG0765	330.15	<b>227.86</b>

4824

## PROCHECK PREMIUM Electronic Digital Internal Bore Gages

- IP54 water and dust protective rating
- Resolution: 0.00005" / 0.001mm
- Carbide measuring surfaces
- Contact points are designed to allow measurements near the bottom of blind holes
- Setting ring included
- Compatible with 3 Procheck data output options: USB or Bluetooth wireless and hardwire connect (Not included)
- Friction thimble
- Completed with protective case
- Wrench included
- Complete in molded case
- 1 Year Warranty



Minimum Measurement	Maximum Measurement	Order No.	Regular Price	SALE
6 mm	8 mm	PC20EIBG68MI5	1013.90	<b>699.71</b>
8 mm	10 mm	PC20EIBG810MI5	967.65	<b>667.79</b>
10 mm	12 mm	PC20EIBG1012MI5	967.65	<b>667.79</b>
12 mm	16.51 mm	PC20EIBG1216MI5	849.65	<b>586.36</b>
16.5 mm	20.32 mm	PC20EIBG1620MI5	849.65	<b>586.36</b>
20.32 mm	25.40 mm	PC20EIBG2025MI5	849.65	<b>586.36</b>
25.4 mm	30.48 mm	PC20EIBG2530MI5	849.65	<b>586.36</b>
30.48 mm	40.64 mm	PC20EIBG3040MI5	920.46	<b>635.23</b>
40.64 mm	50.80 mm	PC20EIBG4050MI5	1038.46	<b>716.66</b>

4580

## PROCHECK Telescoping Gages

- Measure inside diameter
- Spring loaded plunger expands within the bore
- Knurled end clamp



Minimum Measurement	Maximum Measurement	Order No.	Regular Price	SALE
5/16"	1/2"	PC24TSG1P	10.60	<b>6.58</b>
1/2"	3/4"	PC24TSG2P	11.04	<b>6.86</b>
3/4"	1 1/4"	PC24TSG3P	11.04	<b>6.86</b>
1 1/4"	2 1/8"	PC24TSG4P	12.48	<b>7.75</b>
2 1/8"	3 1/2"	PC24TSG5P	12.48	<b>7.75</b>
3 1/2"	6"	PC24TSG6P	12.48	<b>7.75</b>

4827

## Starrett 567 Series Telescoping Gage Sets

- Knurled knob on handle
- Uniform contact pressure
- Locks on any setting
- Self centering plungers
- Rounded contacts
- Bore size obtained by measuring over gage contacts with a micrometer



Number of Pieces	Minimum Measurement	Maximum Measurement	Order No.	Regular Price	SALE
4	5/16" / 8.0 mm	2 1/8" / 54.0 mm	MV7052616	241.00	<b>225.50</b>
6	5/16" / 8.0 mm	6" / 150.0 mm	MV7052617	410.00	<b>383.73</b>

5150

## PROCHECK Torpedo Billet Level

- Level's patented magnet track prevents powerful rare earth magnets from falling out
- Large, easy-to-read high-visibility vials at 4 angles: level, 90, 45, and 30 degrees
- Large, top-view vial window enables easy readability from multiple angles
- High-visibility orange body is easy to see on conduit and at the jobsite
- V-Groove fits contour of conduit and pipe
- Tapered nose easily pushes into pockets



Model No	Order No.	Regular Price	SALE
935RB	KP6016175	59.02	<b>43.85</b>

30017

## PROCHECK PREMIUM 4 Pc. 12" Combination

### Square Set

- Precision cast & ground square, center and protractor
- Hardened and tempered satin chrome ruler
- Graduated in 8ths, 16ths, 32nds and 64ths
- Protractor moves 180° in both directions
- Square/miter head features a level vial and a hardened scribe tool
- Fitted case included
- 1 Year Warranty



Order No.	Regular Price	SALE
PC23CS1244	142.75	<b>98.51</b>

4364

**PRO-CHECK 12" Combination Square Sets**

Sets consist of:

- 2 Pc. set: 12" blade, square head only
- 3 Pc. set: 12" blade, square head and center head
- 4 Pc. set: 12" blade, square head, center head and protractor head
- All sets supplied with 12" combination square blade, graduated in 8ths, 16ths, 32nds and 64ths



Number of Pieces	Order No.	Regular Price	SALE
2	NB60CS122	39.09	29.13
3	NB60CS123	49.27	36.72
4	NB60CS124	89.91	67.02

4367

**Fowler Mini-Mag Protractor**

The mini-MAG Protractor provides instant 360° digital inclination display of any angle with the additional unique feature of embedded magnets on two sides.

- Embedded magnets with 35 lb. pull
- Measuring range: 360° (4 x 90°)
- Resolution: .05°
- Accuracy: ± .1°
- Repeatability: ± .1°
- Voltage: standard 9V battery (250 hrs.)



Order No.	Regular Price	SALE
NA55544224501	170.25	126.81

3682

**PRO-CHECK 360° Digital Level / Protractor**

- IP65 Water & dust resistance
- Military grade alloy surfaces
- Alloy contracted body
- V groove surfaces
- Strong magnetic base
- Digital Level Sensor
- Anodized finish
- Precision lapping
- Micro USB Charging
- Rechargeable Battery
- Tilt Range: 0°-90° x 4
- Resoluotiuon: 0.05°
- Repeatability: 0.1°
- Size 6 x 2.4 x 1.2"
- HAZ05
- 1 Year Warranty



Model No	Accuracy	Type	Order No.	Regular Price	SALE
06LP360RW	0.2°	360° Digital Level Protractor with Wireless Connect	PC2306L-P360RW	160.25	110.59

4770

**PRO-CHECK Double Squares**

- Used for precision layout work
- All blades are hardened and tempered with easy to read markings



Blade Length	Graduation	Order No.	Regular Price	SALE
4"	1/8", 1/16", 1/64", 1/64"	NB60DS404R	36.61	22.75
4"	1/32", 1/64", 1/50", 1/100"	NB60DS416R	36.61	22.75
4"	0.5 mm, 1/32", 1 mm, 1/64"	NB60DS4EM	36.61	22.75
6"	1/8", 1/16", 1/32", 1/64"	NB60DS604R	49.45	30.72
6"	1/32", 1/64", 1/50", 1/100"	NB60DS616R	49.45	30.72
6"	0.5 mm, 1/32", 1 mm, 1/64"	NB60DS6EM	49.45	30.72
100 mm	1 mm, 0.5 mm both sides	NB60DS100FM	36.61	22.75
150 mm	1 mm, 0.5 mm both sides	NB60DS150FM	49.45	30.72

4558

**PRO-CHECK 3 Pc. Precision Engineer Square Set**

Set

- 2", 4" & 6"
- Hardened steel
- True squares and right angles both inside and outside
- Beams and blades are ground and lapped for parallelism
- Length of blade is measured from corner edge of beam to end of blades
- DIN-1 standard
- Protective case included
- 1 Year Warranty



Order No.	Regular Price	SALE
PC23ESS246	103.73	71.59

4377

**CRESCENT Lufkin 1" x 25' Hi Vis® Power Return Tape**

- Toggle lock button
- Four rivet Quad-Hook™ on 1" wide blades
- 1/16" Top and bottom, instant foot readings



Order No.	Regular Price	SALE
MZ50PHV1425	47.54	30.63

4012

**PRO-CHECK Loupe Magnifiers with LED & UV Light**

- Metal frame body
- Distortion free lenses
- LED and UV lighted lens
- 20X lenses
- Leather case included
- 1 Year Warranty



Magnification	Order No.	Regular Price	SALE
20X	PC22L20XLUV	80.60	55.63
10X	PC22PC22L10XLUV	70.77	48.84

4662

**PRO-CHECK Precision Angle Gage Set**

5° to 90° in 5° Increments

- 18 Individual gages
- 8 Gaging surfaces per gage
- Each gage checks primary, 1/2 primary and complementary angles
- Quick & accurate inspection of angles & ID or OD chamfers
- Positioning of the lathe tools for chamfers
- Inspecting angles on ground form tools and cutters



Order No.	Regular Price	SALE
NB67L300AG	73.30	48.56

4743

## PRO-CHECK 200X Digital Microscope with Stand

- Magnification 10x - 200x @ 17" monitor full screen view
- Optical format: 1/3" CMOS Sensor (4:3)
- Field of View: Min: 2.5mm x 1.9mm @ 17mm working distance (200x), Max: 100mm x 75mm @ 300mm working distance (10x)
- Image sensor: 2.0 Mega Pixels
- Video Capture Resolution 1600 x 1200, 1280 x 1960, 640 x 480
- Color: 24 bit RGB or YUV or MJPG
- Lens: High precision microscope lens
- Focus Range: Manual from 8mm to 300mm
- White balance: Auto
- Exposue Time: Auto
- Light Source: Integrated adjustable LED illumination
- Length: 122mm
- Diameter: 36mm
- Output: USB streaming video
- Power supply: from USB
- Software included
- Microscope stand included
- 1 Year Warranty



Order No.	Regular Price	SALE
PC22DM200S	540.48	372.99

4376

## PRO-CHECK Feeler Thickness Gages

- Straight leaf thickness gage - 1/2" wide x 3" long
- Tapered leaf thickness gage - 3" long leaves taper from 1/2" to 1/4"



Number of Leaves	Tapered or Parallel	Thicknesses Included	Order No.	Regular Price	SALE
26	Parallel	0.0015" to 0.025"	NB45STG26	14.51	8.09
9	Parallel	0.0015" to 0.015"	NB45STG9	7.54	4.20
26	Tapered	0.0015" to 0.025"	NB45TTG26	13.27	7.39

## PRO-CHECK PREMIUM Premier 1" Travel Dial Indicators

- Range: 0 - 1"
- Indicator graduation .001 per line .100 per revolution
- 1/4" Lug back and 3/8" stem
- Flat back and carbide tip included
- 1 Year Warranty



Dial Color	Order No.	Regular Price	SALE
Black	PC21DI211BCT	32.99	22.77
White	PC21DI211WCT	32.99	22.77

4340

## PRO-CHECK Co-Axial Dial Indicators

- Designed for centering a work piece of fixture
- Operates at any angle, use vertical or horizontal
- While spindle rotates, the centering indicator always faces the operator with use of restraining rod (included)
- Center point feeler plus straight and curved feelers 4", 8" and, 12"
- Fitted plastic case
- 1 Year Warranty



Total Range	Range per Revolution	Graduation	Dial Face Diameter	Order No.	Regular Price	SALE
.240	.040	.0005	1-1/2	PC21CI250I	267.75	184.77
6mm	1mm	0.01mm	1-1/2	PC21CI250M	243.09	167.75

4506

## Fowler X-TEST Test Indicators

Twice the range of most indicators!

Now available in HORIZONTAL & VERTICAL!

- .060" Range
- Dial reading: 0-15-0
- Jeweled movement
- Revolution counter
- East-to-read tilted dial
- Automatic reversal
- Swivel arc: 210°
- .080" Tungsten carbide point
- Includes two dovetail stems
- Furnished in molded case



Graduation	Dial Face Diameter	Horizontal			Vertical		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
0.001"	1.0"	NA5552562003	213.13	168.10	NA5552562006	222.27	
0.0005"	1.0"	NA5552562002	213.13	168.10	NA5552562005	233.37	184.06
0.0005"	1 1/2"	NA5552562001	213.13	168.10	NA5552562004	233.37	184.06

3770

## PRO-CHECK PREMIUM Dial Test Indicators - .030" Range, .0005" Graduation

- Bi-directional constant clockwise rotation with automatic reversal
- Jeweled movement and easy-to-read dial face
- Supplied with (1) each 5/32" and 3/8" dovetail stems and 3 carbide tip contact points, .040, .080, .120 diameter tip x 1/2" long
- Storage case supplied
- 1 Year Warranty



Dial Size	Dial Color	Order No.	Regular Price	SALE
1 1/4"	Black	PC21TI0301035B	98.65	68.08
1 1/4"	White	PC21TI0301035W	108.65	74.98
1 1/2"	Black	PC21TI0301505B	109.73	75.73
1 1/2"	White	PC21TI0301535W	109.73	75.73

4541

## Starrett 196A1Z Back Plunger Dial Test Indicator

- .001" Graduation
- 0-100 Dial reading
- 0-.200" Range
- 3 Point, 4 attachment and case included



Order No.	Regular Price	SALE
MV7050697	385.00	360.07

4934

## PRO-CHECK ABSOLUTE Digital Mini Indicators

- Absolute technology that memorize origin zero
- IP54 Protection, origin set, preset value
- Optional USB data kit (PC26DCBL5PIN) available
- Compatible with optional wireless adaptor (PC26WTD1ABS)
- Resolution: .00005"/0.001mm
- Accuracy: .0016"
- Carbide tip
- Connect and interactive with Procheck absolute digital height gages
- 1 Year Warranty



Total Range	Order No.	Regular Price	SALE
0-1" / 0.254	PC20EIM015ABEM	282.98	<b>195.29</b>
0-2" / 0.50	PC20EIM025ABEM	377.38	<b>260.44</b>

4552

## Starrett 25-441J AGD 2 Dial Indicator

- 1" Travel
- .001" Graduation
- 0-100 Reading
- Lug back
- Revolution counter
- 3/8" Diameter stem
- No. 2 Series



Order No.	Regular Price	SALE
MV7053295	236.00	<b>220.52</b>

4937

## Fowler Test Indicators - .030 Range

- Bi-directional constant clockwise rotation
- Automatic reversal
- Three dovetail mountings
- 3 Contact points with diameters of .040", .080" and .120"
- Jewelled movement
- Two dovetail extensions
- Molded case



Total Range	Dial Reading	Graduation	Dial Face Diameter	Contact Length	Order No.	Regular Price	SALE
0.030"	0-15-0	0.0005"	1"	1/2"	NA5552562778	212.98	<b>149.31</b>
0.030"	0-15-0	0.0005"	1"	1/2"	NA5552562775	212.98	<b>149.31</b>
0.030"	0-15-0	0.0005"	1 1/2"	1/2"	NA5552562780	222.69	<b>194.68</b>
0.030"	0-15-0	0.0005"	1-1/2"	1/2"	NA5552562776	222.69	<b>156.13</b>
0.030"	0-15-0	0.001"	1"	1/2"	NA5552562774	200.38	<b>149.26</b>

28832

## PRO-CHECK Z-Axis Setter with Magnetic Base

- Establish "0" reference point with built in indicator
- Positioning accuracy and repeatability .0004"/0.01mm
- 1.45"/37mm Square



Order No.	Regular Price	SALE
PC21ZAS4CNCM	295.28	<b>183.40</b>

29758

## PRO-CHECK PREMIUM Procheck AGD Dial Indicators - Certified

- Flat Back, 1/4" Lug Back and fitted case
- Adjustable Limit Pointers for easy Go / No-Go reading
- Revolution Counter
- Certificate of Inspection Included, Standard ASME B89.1.10M-2001
- 1 Year Warranty



Type	Indicator Style	Total Range	Dial Color	Dial Size	Graduation	Description	Order No.	Regular Price	SALE
Dial Indicator	AGD 2	1/2"	Black	2-1/4"	0.001"	Certified	PC21DI2121BC	55.28	<b>33.02</b>
Dial Indicator	AGD 2	1"	Black	2-1/4"	0.001"	Certified	PC21DI2011BC	55.28	<b>33.02</b>
Dial Indicator	AGD 2	1"	White	2-1/4"	0.001"	Certified	PC21DI2011WC	55.28	<b>33.02</b>
Dial Indicator	AGD 2	1"	White	2-1/4"	0.0005"	Certified	PC21DI2015WC	61.68	<b>36.83</b>
Dial Indicator	AGD 2	2"	Black	2-1/4"	0.001"	Certified	PC21DI2021BC	113.47	<b>67.77</b>
Dial Indicator	AGD 2	2"	White	2-1/4"	0.001"	Certified	PC21DI2021WC	113.47	<b>67.77</b>
Dial Indicator	AGD 2	1/2"	White	2-1/4"	0.001"	Certified	PC21DI2121WC	55.28	<b>33.02</b>

30766

## PRO-CHECK PREMIUM Procheck Electronic Indicators - Certified Procheck AGD Dial Indicators - Certified

- Flat Back, 1/4" Lug Back and fitted case
- Super large LCD display for easy reading
- Certificate of Inspection Included, Standard ASME B89.1.10M-2001
- 1 Year Warranty



Total Range	Resolution	Description	Order No.	Regular Price	SALE
1"	0.0005"	Certified	PC20EI0112505C	110.24	<b>68.47</b>
1/2"	0.0005"	Certified	PC20EI0512505C	109.10	<b>67.77</b>

30767

## PRO-CHECK PREMIUM Procheck Dial Indicators - Certified

### Procheck AGD Dial Indicators - Certified

- Flat Back, 1/4" Lug Back and fitted case
- Adjustable Limit Pointers for easy Go / No-Go reading
- Revolution Counter
- Certificate of Inspection Included, Standard ASME B89.1.10M-2001
- 1 Year Warranty



Indicator Style	Total Range	Dial Color	Dial Reading	Dial Size	Graduation	Description	Order No.	Regular Price	SALE
AGD 2	5 mm	White	-	58 mm	0.01 mm	Certified	PC21DI5805MM1C	7718	<b>46.09</b>
AGD 2	10 mm	White	0-100	2-1/4"	0.01 mm	Certified	PC21DI210MM1C	7718	<b>46.09</b>
AGD 2	25 mm	White	0-100	2-1/4"	0.01 mm	Certified	PC21DI225MM1C	122.12	<b>72.94</b>

30768

## PRO-CHECK Individual Edge & Center Finders

- Edge finders accurately locate working edges, shoulders, grooves, center points and scribed lines
- Hardened and centerless ground to precision tolerances



Style	End Type	Shank	Tip Diameter	Order No.	Regular Price	SALE
Edge	Single End	1/2"	0.500"	NE60083	7.84	<b>5.38</b>
Edge	Double End	1/2"	0.200" x 0.500"	NE60084	8.54	<b>5.87</b>
Edge	Single End	3/8"	0.200"	NE60085	8.08	<b>5.56</b>
Edge/Center	Double End	1/2"	0.200" x Point	NE60086	12.07	<b>8.23</b>
Edge/Center	Double End	3/8"	0.200" x Point	NE60087	9.81	<b>6.74</b>
Edge	Single End	1/2"	0.200"	NE60088	8.54	<b>5.80</b>
Center	Single End	3/8"	Point	NE60089	8.04	<b>5.55</b>
Center	Single End	1/2"	Point	NE60090	9.70	<b>6.73</b>

4650

## **Fowler** Z-CHECK 54 Z-Axis Tool Setter

### Features:

- Supplied with zero reference setting block
- Easy to read super large display
- Back light turns on when zero reference is achieved
- IP65 protected for fluid and coolant resistance
- 5 magnets embedded into base
- 2" default setting height
- Steel contact surface with 0.0002" flatness
- Range: 0.12"/3mm
- Resolution: 0.00005"/0.001 mm
- Repeatability: 0.00015"/0.004mm
- Accuracy: 0.0001 "/0.003mm
- Uses 1 3V CR2032 battery
- Includes case



Order No.	Regular Price	SALE
NA55541882000	186.19	<b>155.92</b>

29367

## **PRO-CHECK** Magnetic Dial Indicator Base with Center Lock

### Fine Adjustment:

- Sealed system
- 3/8" stem, Lug back and dovetail mount
- One knob to release and position joints
- 130 lbs holding power
- V-groove base
- 1 Year Warranty



Features	Pull Force	Order No.	Regular Price	SALE
With (1) Knob Center Lock, Fine Adjustment	130 lbf	PC21MB-CL130	107.28	<b>79.62</b>

4243

## **PRO-CHECK** Magnetic Base Flexible Arm

### Flexible Arm:

- With lever lock
- Accepts all AGD indicators
- Offers easy cam lever locking
- Total arm length 12"
- Magnet has 130 lbs holding power
- Case included

### Chrome Plated Flex Arm:

- Corrosion resistant chrome plated flex arm
- 130 lbs pull magnet
- Holds rigidly in almost any position
- V-base for mounting on rounded surfaces
- 1 Year Warranty



Pull Force	Features	Order No.	Regular Price	SALE
85 lbf	Chrome, Flexible Arm	PC21MB-CF130	87.56	<b>60.43</b>
130 lbf	12" Flexible Arm	PC21MBFL130	91.01	<b>62.81</b>

4244

## **NISSA** Magnetic Base

- 3/8" 8mm, 6mm & dovetail clamp
- Unique 3 point arm lock system
- Improved "at base" single direction fine adjustment
- 180 LBF magnetic base with on/off switch



Order No.	Regular Price	SALE
FN60PH2040	72.74	<b>59.07</b>

4267

## **PRO-CHECK** Central Lock Universal Magnetic Base

- Magnetic base indicator holder with triple-jointed arm
- Three adjustable joints controlled by a single knob
- Powerful compact magnetic base
- Positive On/Off switch
- 1 Year Warranty



Order No.	Regular Price	SALE
PC21CLMB7FA	75.29	<b>51.97</b>

4491

## **Starrett** Magnetic Bases

### 657 Series

#### Fixed Post Indicator Holder Features:

- Large 1-15/16 x 1-5/8 x 1-7/8" base
- 3 Precision ground magnetic contact surfaces
- V-Step holds base to arbors, shafts & chucks
- Push button on/off switch

#### Flex-O-Post Indicator Holder

- All features above plus flex arm for difficult positioning



Model No	Order No.	Regular Price	SALE
657AA	MV7052743	298.00	<b>280.33</b>
657T	MV7052760	419.00	<b>392.46</b>

5083

## **NISSA** Flex Dial Gage Holders

- Five axis holder
- Powerful magnetic base
- Fine adjustment
- Central locking mechanism with spring loaded bearing
- 2.2 x 2.0 Arm dimension



Pull Force	Stem Hole	Description	Order No.	Regular Price	SALE
61 lbf	3/8"	Always-On Flex Dial Gage Holder with 360 Degree Fine Adj at Base	FN-60NF1033	178.11	<b>144.60</b>
70 lbf	3/8"	Flex Dial Gage Holder with 360 Degree Fine Adj at Base	FN-60NF1024	181.25	<b>147.14</b>
70 lbf	3/8"	Power On/Off Flex Holder with Fine Adjustment at Base-Standard Arm	FN-60NF10433	156.89	<b>127.38</b>
70 lbf	3/8", 6 mm, or 8 mm	Flex Dial Gage Holder with Fine Adjustment on Top Clamp	FN-60NF61003	144.21	<b>117.08</b>

28627



## **Noga** Heavy Duty Magnetic Base & Procheck Indicator Set

### Noga Magnetic Base

- Central locking mechanism
- Powerful - 176 lbs. force on/off magnetic base
- Easy 3-dimensional set-up

### Procheck AGD 2 Style Dial Indicator

- 0-1" travel with 0-100 dial and .001" graduation
- Revolution counter
- Mount with 3/8" stem or lug back (supplied)

### 22 Pc. Point Set

- 22 contact points (4-48 thread)



Order No.	Regular Price	SALE
NB65DG61003DPK	216.62	179.24

4273

## **PROCHECK** Universal Mag Base & Indicator Set

- Test indicator range .030"
- Graduation .0005"
- Universal magnetic base
- Swivel range: 210°
- Protective case included
- 1 Year Warranty



Order No.	Regular Price	SALE
PC21UMB35K	131.94	91.05

4864

## **Starrett** 91 Series Straight Tap Wrenches

- Made of rugged steel
- Well proportioned and easy to handle
- Properly tempered gripping surfaces will firmly hold square or round shanks
- The plunger, operated by the knurled sleeve, backs off the instant pressure is removed from the sleeve



Size	Right Hand Thread Length	Order No.	Regular Price	SALE
1/16" to 1/4"	6"	MV7050419	80.00	74.75
3/16" to 1/2"	9"	MV7050420	114.00	107.14
1/4" to 5/8"	12"	MV7050421	184.00	173.19
5/16" to 3/4"	16"	MV7050422	249.00	234.23

25070

## **MAG-MATE** Inspection Mirror/Magnet Combination Tools

- Ideal to see behind, underneath or around machinery
- Telescoping mirror for versatility
- Powerful rare earth magnets on the opposite end
- Use the magnet to retrieve metal items or as a magnetic base to hold the inspection mirror in place

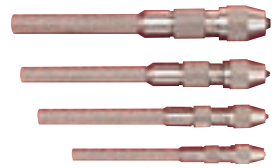


Mirror Width	Mirror Length	Material	Overall Length	Ex-extended Length	Pull	Order No.	Regular Price	SALE
2"	2"	Glass	6 1/4"	28"	2 lbs	NE70301G240	20.64	15.61
1 1/2"	1 1/2"	Glass	6"	23 1/2"	2 lbs	NE70306G240	21.35	16.17
3"	2"	Stainless	8 1/4"	38"	7 lbs	NE70314S925	56.03	42.41
1 1/4"	2"	Glass	6"	24 1/4"	2 lbs	NE70315G240	21.43	16.21
2 1/2"	1 7/8"	Acrylic	7 3/4"	32 1/2"	12 lbs	NE70321A931	56.98	43.15
-	-	Glass	14 1/4"	14 1/4"	20 lbs	NE70375G990	100.78	76.31

4044

## **Starrett** 240 Series Pin Vises

- Smooth handle allows vise to be held in machine chucks or collets
- Hole through entire length to accommodate stock up to the full size capacity to end allows fast opening and closing
- All four vises have heavy nickel plated finish



Capacity	Style	Order No.	Regular Price	SALE
0.010"-0.055"	Single End	MV7051136	36.50	34.28
0.025"-0.075"	Single End	MV7051137	44.50	41.74
0.045"-0.135"	Single End	MV7051138	49.50	46.10
0.110"-0.200"	Single End	MV7051139	53.00	49.83
0.010"-0.200"	4 piece set in Protective Case	MV7051140	188.00	176.92

5088

## **MAG-MATE** Inspection Tool Kits

- Telescoping tools, mirror or magnifier, and Rare Earth magnetic retriever in a kit!
- Non-slip, solvent resistant grips
- Foam-lined snap-lock case
- Magnet diameter is 5/8" except as noted below



Note: NE70MMK301 contains a lighted magnetic pick-up tool, 4-jaw, 7/16" dia., 8-3/4" mechanical finger retriever and round magnifying inspection mirror, and magnet is 11/16" dia..

Set Includes	Length	Order No.	Regular Price	SALE
Swivel Headed Retriever and 3X Magnifier	7 1/2"	NE70M-MK204	75.84	57.43
Lighted Magnet pick-up tool, 4-Jaw, 7/16" dia., 8-3/4" Mechanical Finger retriever and a Round Magnifying Inspection Mirror	7"	NE70M-MK301	99.70	73.39

4046

## **Machinery's Handbook and Machinery's Handbook Guide**

### 31st Edition

Contains useful, practical, and hard-to-find information, and provides a wealth of engineering and shop standards, illustrations, formulas, and readable tables and graphs. Authors: Oberg, Jones, Horton & Ryffel, 2,896 Pages



### Features:

- Provides extensive coverage of mathematics, cutting tools, speeds and feed, screw thread systems, metallurgy, metrology, and other critical topics
- Metric and inch dimensions of: bolts, nuts, and screws; rivets; pins and dowels; tapers; steels and non-ferrous metals; and more
- Cross-references important subjects for greater convenience

Title	Order No.	Regular Price	SALE
Machinery's Handbook, 31st Edition, Guide	MY5043312	40.13	34.24
Machinery's Handbook 31st Edition, Large Print Edition	MY5036314	200.93	171.40
Machinery's Handbook 31st Edition, Toolbox Edition	MY5037311	160.73	137.11

3911

## APEX Torx® Bits



Tip Size	Drive Size	Overall Length	Model No	Order No.	Regular Price	SALE
T6	1/4"	1"	440-TX-06X	KW7060170	6.75	4.90
T7	1/4"	1"	440-TX-07X	KW7060175	6.75	4.90
T8	1/4"	1"	440-TX-08X	KW7060180	6.75	4.90
T9	1/4"	1"	440-TX-09X	KW7060185	6.75	4.90
T10	1/4"	1"	440-TX-10X	KW7060190	6.31	4.57
T15	1/4"	1"	440-TX-15X	KW7060195	6.31	4.57
T20	1/4"	1"	440-TX-20X	KW7060200	6.39	4.64
T25	1/4"	1"	440-TX-25X	KW7060205	6.39	4.64
T27	1/4"	1"	440-TX-27X	KW7060210	6.39	4.64
T30	1/4"	1"	440-TX-30X	KW7060215	6.39	4.64
T40	1/4"	1"	440-TX-40X	KW7060220	6.39	4.64
T45	1/4"	1 1/4"	440-TX-45X	KW7060225	10.32	7.49
T50	1/4"	1 1/4"	440-TX-50X	KW7060230	11.28	8.19
T27	5/16"	1 1/4"	480-TX-27X	KW7060235	8.33	6.05
T30	5/16"	1 1/4"	480-TX-30X	KW7060240	8.27	6.01
T40	5/16"	1 1/4"	480-TX-40X	KW7060245	8.27	6.01
T45	5/16"	1 1/4"	480-TX-45X	KW7060250	9.32	6.77
T50	5/16"	1 1/4"	480-TX-50X	KW7060255	9.32	6.77
T55	5/16"	1 1/4"	480-TX-55X	KW7060260	9.32	6.77

6484

## APEX Torx Plus® Bits Power Drive - 1/4" Drive



- Power bits are best used with quick-release (QR series) chucks



Tip Size	Overall Length	Model No	Order No.	Regular Price	SALE
IP10	1 15/16"	49-10IPX	KW7060465	15.92	11.56
IP10	2 3/4"	49-A-10IPX	KW7060420	17.18	12.47
IP10	3 1/2"	49-B-10IPX	KW7060510	20.13	14.62
IP15	1 15/16"	49-15IPX	KW7060470	15.92	11.56
IP15	2 3/4"	49-A-15IPX	KW7060425	17.18	12.47
IP15	3 1/2"	49-B-15IPX	KW7060515	20.13	14.62
IP20	1 15/16"	49-20IPX	KW7060475	15.92	11.56
IP20	2 3/4"	49-A-20IPX	KW7060430	17.18	12.47
IP20	3 1/2"	49-B-20IPX	KW7060520	20.13	14.62
IP25	1 15/16"	49-25IPX	KW7060480	15.92	11.56
IP25	2 3/4"	49-A-25IPX	KW7060435	17.18	12.47
IP25	3 1/2"	49-B-25IPX	KW7060525	20.13	14.62
IP27	1 15/16"	49-27IPX	KW7060485	15.92	11.56
IP27	2 3/4"	49-A-27IPX	KW7060440	17.18	12.47
IP30	1 15/16"	49-30IPX	KW7060495	15.92	11.56
IP30	2 3/4"	49-A-30IPX	KW7060445	17.18	12.47
IP30	3 1/2"	49-B-30IPX	KW7060535	20.13	14.62
IP40	1 15/16"	49-40IPX	KW7060415	15.92	11.56

6483

## TITAN® 43 Pc. Master Star Bit Socket Set

### Set Includes:

- (12) External star sockets: 1/4, 3/8 & 1/2" drive
- (13) Star bit sockets: 1/4, 3/8 & 1/2" drive
- (12) Tamper resistant star bit sockets: 1/4, 3/8 & 1/2" drive
- (6) 1/4" Star bits
- Blow molded case



Order No.	Regular Price	SALE
KP8254137	122.29	69.53

While Supplies Last

25280

## wiha® 11 Pc. Insulated Electricians Kit

Tested & approved to the following standards: VDE 0680-201, ASTM F-1505-01, EN60900, NFPA70E. Made in Germany.

### Consists of 1 each:

- 3/32" Straight screwdriver
- 9/64" Straight screwdriver
- 3/16" Straight screwdriver
- 1/4" Straight screwdriver
- #0 Phillips screwdriver
- #1 Phillips screwdriver
- #2 Phillips screwdriver
- 6.3" Diagonal cutter
- 6.3" Needle nose pliers
- 6.3" Adjustable stripping pliers
- 8.0" Linemans pliers



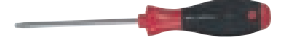
Order No.	Regular Price	SALE
KN5432888	386.37	247.03

\* Available while supplies last

25474

## wiha® Cushion Grip Screwdrivers TORX®

### Drivers



- Ergo molded on cushion grip for maximum torque - molded on handle for permanent bond
- Blades of Wiha exclusive CRM-72 tool steel
- Through hardened for maximum durability
- Precision machined exact fit TORX® tips
- Hard chromed surface finish for extreme wear

Tip Size	Order No.	Regular Price	SALE
T6	KN5436266	9.39	5.99
T7	KN5436268	9.15	5.84
T8	KN5436270	9.15	5.84
T9	KN5436272	10.17	6.49
T10	KN5436274	10.22	6.53
T15	KN5436276	11.01	7.05
T20	KN5436278	11.33	7.24
T25	KN5436280	13.46	8.61

25525

## Hex, Torx® & Balldriver Socket Sets

- Polished chrome finish on a rail and clips
- Standard, metric and Torx®
- High polished chrome finish
- Bits are provided in black oxide finish
- Lifetime warranty



Drive Size	Set Includes	Type	Order No.	Regular Price	SALE
3/8"	1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", & 3/8"-3/8" Drive - Socket Set	Ball Drive Set	KP3031906	110.09	58.50
3/8"	4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm-3/8" Drive - Metric Socket Set	Hex Drive Set	KP3031904	74.82	39.75
1/2"	1/2", 9/16", 5/8", 3/4"	Hex Drive Set	KP3032902	86.24	
1/2"	8 mm-19 mm-1/2" Drive - Metric Hex Bit Socket Set	Hex Drive Set	KP3032904	117.79	62.60
1/4", 3/8", 1/2"	T25, T27, T30, T40, T45, T47, T50 Torx Bits	Torx Set	KP3031912	94.04	49.97
1/4", 3/8", 1/2"	T40, T45, T50, T55, T60-1/2" Drive - Socket Drive Torx Bit Set	Torx Set	KP3032908	94.90	50.43

22450

## 72 Pc. Tools Bits Set

### 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



Set Includes	Order No.	Regular Price	SALE
Bits included: Hex, Phillips, Square, Slotted, Pozzi-Drive, Torx®, Nut Drivers, Magnetic Holder, Cones in 1 & 2" lengths	KP3024900	119.48	63.49

24984

**STANLEY 65 Pc. Mixed Tool Set**

- Forged from high-quality steel and finished in high-polish nickel chrome or black chrome
- Ratchet handles are ergonomically designed and have an easy-to-use, thumb-operated reverse-switch mechanism
- Sockets and extensions remain locked onto the drive until disengaged with an easy-to-reach, low-profile quick-release button
- Feature Max-Drive™ design, a unique radius corner design that provides 15% more torque than standard sockets to tighten fasteners easily and simplify the turning of rounded corners
- Max-Drive™ helps reduce fastener wear by minimizing contact on the outer 5% of the fastener, helping to increase life expectancy than standard sockets
- Max-Drive™ helps reduce slipping on frozen or rusted fasteners
- Meets ANSI specification



Sizes Included	Model No	Order No.	Regular Price	SALE
(30) 1/4" Drive Specialty Bits; (8) 1/4" Drive Sockets; (1) Each 16" Tape Rule, 18mm Snap-off Knife, 1/4" Dr. Bit Holder, 1/4" Drive Round Head Ratchet, Spinner Handle, Claw Hammer, Torpedo Level, 6" Long Nose Pliers, 6" Slip Joint Pliers, 2 Pt. Phillips Screwdriver, 65mm Flat Screwdriver, (8) Ea. SAE & Metric Hex Keys; Blow Molded Carry Case	94-248	KP435684	144.52	<b>109.58</b>

7709

**WILLIAMS 63 Pc. 3/8" Drive Socket, Screwdriver & Wrench Set**

- 8" Pear-head ratchet, 3", 6", and 10" extensions
- U-joint, breaker bar, t-handle, 3/8" x 1/4" and 3/8" x 1/2" adapters
- 13 Standard depth sockets sizes 1/4" through 1"
- 14 Standard depth sockets sizes 6 through 19mm
- 7 Combination wrenches 1/4" through 5/8"
- 4 Screwdrivers - 2 slotted and 2 Phillips®
- 1/4" Drive spinner handle, u-joint, and bit holder
- 13 Hex bits, slotted, square, hex, and Phillips®



Order No.	Price
KP3050605	361.75

24980

**Double Sided Ball End L-Wrenches**

- Much better leverage angle than ever before!
- Exclusive MaxTorque™ ball end delivers 50% more torque than conventional ball ends
- Short ball end inserts into screw and works at a 15° angle
- Standard Bondhus ball end on long arm inserts into screw and works at a 25° angle
- Lifetime warranty



Number of Pieces	Sizes Included	Arm Type	Driver Style	Order No.	Regular Price	SALE
13	0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"	Long	Double Ball	KN5367037	57.87	<b>30.75</b>
9	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	Long	Double Ball	KN5367099	46.86	<b>24.89</b>

6520

**Adjustable Wrenches Black and Chrome**

- Chrome or black satin 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



Overall Length	Jaw Capacity	Finish	Order No.	Regular Price	SALE
4"	1/2"	Chrome	KP30AP4A	33.08	<b>17.58</b>
15"	1 3/4"	Chrome	KP30AP15A	113.33	<b>60.22</b>

7564

**CO TORQUE Advanced Electronic Torque Wrench**

- Durable all steel construction
- Programmable to torque fastener in desired sequence with up to 50 memory presets
- Electronic indicators include LED, audible beep and handle vibration when desired torque is achieved
- Calibration due indicator
- Reliable data trail time stamped for QC, Job Auditing and Torque Verification
- Stores up to 1,500 readings
- Output in Foot Pounds, Inch Pounds, Newton Meters and Kilogram Centimeters
- Accuracy +/- 2% CW and +/- 3% CCW



Drive Size	Torque Range Ft-Lbs	Torque Range In-Lb	Torque Nm	Order No.	Regular Price	SALE
3/4"	30-600 feet/lbs	360-7200	40.7-813.5	KL456004CASG	4089.08	<b>2716.45</b>

7658

**CERTIFIED Ratcheting Head Micrometer Torque Wrenches - Ft. - Lbs.**

- Calibrated to +/- 4% in clockwise direction and +/- 6% in counter clockwise direction
- Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity
- Certification documents traceable to NIST. (National Institute of Standards and Technology). **CERT models only**



Imperial						
Drive Size	Torque Range Ft-Lbs	Increments	Overall Length	Cert Traceable	Order No.	Regular Price SALE
1/4"	10-50 inch/lbs	1 inch/lbs	9 1/2"	No	KP4220820	311.62 <b>236.27</b>
1/4"	40-200 inch/lbs	1 inch/lbs	11 21/64"	Yes	KP4220765	418.39 <b>317.22</b>
1/4"	40-200 inch/lbs	1 inch/lbs	11 21/64"	No	KP4220890	315.38 <b>239.12</b>
3/8"	16-80 feet/lbs	0.5 feet/lbs	15 1/32"	Yes	KP4220785	441.38 <b>334.66</b>
3/8"	16-80 feet/lbs	0.5 feet/lbs	15 1/32"	No	KP4220845	337.63 <b>255.98</b>
3/8"	20-100 inch/lbs	0.5 feet/lbs	16 17/32"	No	KP4220865	366.38 <b>277.79</b>
3/8"	40-200 inch/lbs	1 inch/lbs	11 21/64"	No	KP4220895	322.44 <b>244.48</b>
3/8"	40-200 inch/lbs	1 inch/lbs	11 21/64"	Yes	KP4220770	425.73 <b>322.78</b>
3/8"	200-1000 inch/lbs	5 inch/lbs	14 15/16"	Yes	KP4220775	455.57 <b>345.41</b>
3/8"	200-1000 inch/lbs	5 inch/lbs	14 15/16"	No	KP4220900	345.10 <b>261.66</b>
1/2"	16-80 feet/lbs	0.5 feet/lbs	15 1/32"	Yes	KP4220790	464.38 <b>352.09</b>
1/2"	16-80 feet/lbs	0.5 feet/lbs	15 1/32"	No	KP4220860	355.26 <b>269.35</b>
1/2"	30-150 feet/lbs	1 feet/lbs	20 43/64"	No	KP4220915	373.54 <b>283.21</b>
1/2"	30-150 feet/lbs	1 feet/lbs	20 43/64"	Yes	KP4220795	488.20 <b>370.15</b>
1/2"	50-250 feet/lbs	1 feet/lbs	26 17/64"	Yes	KP4220800	545.02 <b>413.23</b>
1/2"	50-250 feet/lbs	1 feet/lbs	26 17/64"	No	KP4220840	416.93 <b>316.12</b>
1/2"	360-1800 inch/lbs	10 inch/lbs	20 43/64"	No	KP4220905	376.27 <b>285.29</b>
3/4"	60-300 feet/lbs	2 feet/lbs	32 3/4"	No	KP4220830	1117.75 <b>847.48</b>
3/4"	120-600 feet/lbs	2 feet/lbs	41 17/32"	No	KP4220835	1602.25 <b>1214.83</b>
3/4"	120-600 feet/lbs	2 feet/lbs	41 17/32"	Yes	KP4220810	2094.46 <b>1588.03</b>
1"	140-700 feet/lbs	2 feet/lbs	46 57/64"	No	KP4220825	1846.02 <b>1399.67</b>

7333

**wiha T-Handle TORX® Drivers**

- Ergo molded on cushion grip for maximum torque - molded on handle for permanent bond
- Blades of Wiha exclusive CRM-72 tool steel
- Through hardened for maximum durability
- Precision machined exact fit TORX® tips
- Hard chromed surface finish for extreme wear



Torx Size	Order No.	Regular Price	SALE
T9	KN5436409	11.04	<b>7.06</b>
T10	KN5436410	11.30	<b>7.21</b>
T15	KN5436415	13.32	<b>8.51</b>
T15	KN5436417	13.56	<b>8.67</b>
T20	KN5436420	15.10	<b>9.65</b>
T20	KN5436422	15.10	<b>9.65</b>
T25	KN5436427	15.89	<b>10.16</b>

8000

## IRWIN VISE-GRIP Locking Pliers Sets

### Original & Comfort Grip

- Jaws provides extra ordinary gripping power
- Original and new soft fast release handle

#### (215G) 2 Pc. Locking Plier Set Includes:

- 5" Curved jaw plier (5WR)
- 10" Curved jaw plier (10WR)

#### (77T) 2 Pc. Locking Plier Set Includes:

- 10" Curved jaw plier with wire cutter
- 6" Long nose jaw plier with wire cutter

#### (428GS) 4 Pc. Locking Plier Set Includes:

- 5" Curved jaw plier (5WR)
- 6" Long nose plier (6LN)
- 7" Straight jaw plier (7R)
- 10" Curved jaw plier (10CR)
- Plus storage pouch



KX50215G



KX5077T



KX50428GS

Number of Pieces	Handle Type	Order No.	Regular Price	SALE
2	Standard	KX50215G	65.94	<b>35.04</b>
2	ProTouch Grip	KX5077T	79.98	<b>42.49</b>
4	Standard	KX50428GS	140.84	<b>74.84</b>

23473

## WIHA "MagicRing" L-Key Ball End Drivers

### Screw Holding Hex Keys

- 9 Pc. Metric Set: 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0mm
- 13 Pc. Inch Set: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"
- Uses a Hardened Spring Steel Compression Ring Securely Grips Inner Head Of Screw Allows free hand for work positioning Sizes 1/8 to 3/8 Screw holding MagicRing Wiha Exclusive Chrome-V-Moly Super Tool Steel



Number of Pieces	Order No.	Regular Price	SALE
9	KN5466990	77.30	<b>49.42</b>
13	KN5466991	95.71	<b>61.19</b>

25513

## LANE Heavy Duty Snap Ring Pliers

- Spring ratchet locking mechanism securely holds against snap ring tension
- Thumb release allows for smooth, controlled tension release
- Cushion grip for comfort
- External ring size: 3-1/2 - 6-1/2", 89mm - 165mm
- Internal ring size: 3-1/16 - 6-1/4", 78mm - 158mm
- Includes .120" diameter straight tip



Style	Overall Length	Order No.	Regular Price	SALE
Internal Ring	16 1/2"	KL401485	138.82	<b>92.21</b>
External Ring	16 1/2"	KL401486	138.82	<b>92.21</b>

6832

## PROFEL Power-Track® II Tongue & Groove Pliers

- Precision milled undercut groove joint provides interlocking feature for powerful non-slip performance
- Angled teeth provide superior gripping Plastisol grips for added comfort



Overall Length	Maximum Capacity	Jaw Length	Jaw Width	Model No	Order No.	Regular Price	SALE
5"	15/32"	7/8"	13/16"	J261SG	KP4230145	27.47	<b>20.83</b>
7"	1 1/8"	1 3/8"	1 3/4"	J262SG	KP4230150	27.16	<b>20.59</b>
10"	2 1/8"	1 15/16"	2 3/4"	J260SG	KP4230165	35.00	<b>26.53</b>
12"	2 5/8"	2 1/4"	2 3/4"	J264SG	KP4230155	36.69	<b>27.81</b>
17"	4 1/16"	3 3/8"	4 1/8"	J265SG	KP4230160	55.96	<b>42.42</b>

7324

## CRABBY LOCK Plier Sets

### 3 Pc. Combo Set Includes:

- 7-1/2" Long nose plier (3017)
- 7" Cutting plier (337)
- 10" Tongue & groove plier (430)

### 3 Pc. Griplock® Set Includes:

- 6" Griplock® plier (GL6)
- 10" Griplock® plier (GL10)
- 12" Griplock® plier (GL12)



LB50GS4

LB50GLS3

Set Includes	Order No.	Regular Price	SALE
6", 10", 12" Griplock Pliers	LB50GLS3	73.38	<b>48.74</b>
7 1/2" Long Nose, 7" Cutting, 10" Tongue & Groove	LB50GS4	100.31	<b>66.64</b>

22932

## IRWIN VISE-GRIP 5 Pc. Locking Plier Set

### Includes:

- 5" Curved Jaw (5WR)
- 6" Long Nose (6LN)
- 7" Curved Jaw (7WR)
- 10" Curved Jaw (10WR)
- 10" Straight Jaw (10R)
- Pouch



Order No.	Regular Price	SALE
KX5068	176.29	<b>93.69</b>

6765

## CRESCENT 9" Linesman Compound Action Cutting Plier

- Compound leverage design that increases cutting power
- Chrome vanadium steel for increased durability
- Co-molded grips for added comfort
- Induction hardened edges for long cutting life



Overall Length	Order No.	Regular Price	SALE
8"	KW50PS5429C	58.67	<b>36.37</b>

6584

## PROFEL 6 Pc. Assorted Pliers Set

### Contains 1 of each:

- Diagonal cutting
- Duckbill
- Needle nose long
- Tongue and groove
- Lineman's New England
- Combination slip-joint pliers



Model No	Order No.	Regular Price	SALE
J202GS	KP4230180	218.38	<b>165.57</b>

7170

## Die Setter Bars

- A practical shop tool for quick separation of punch and die holder



Overall Length	Thickness	Order No.	Regular Price	SALE
18"	5/8"	KS517035	56.39	<b>37.45</b>
30"	3/4"	KS517037	78.46	<b>52.12</b>

23682

## Split Head Hammers

### Rawhide

- Will strike heavy, controlled blows without harm to materials or finishes
- The split head construction makes it especially easy to change faces. Just loosen nut under head.



Head Diameter	Head Weight	Order No.	Regular Price	SALE
1 1/4"	1.5 lbs	KY50R1	82.56	<b>54.84</b>
1 1/2"	2 lbs	KY50R2	88.16	<b>58.56</b>
1 3/4"	2.75 lbs	KY50R3	106.03	<b>70.43</b>
2"	4 lbs	KY50R4	121.24	<b>80.54</b>
2 3/4"	6.5 lbs	KY50R5	183.27	<b>121.74</b>

6630

## 16 Pc. Hollow Punch Set (SAE)

### Set Includes:

- Handle and centering point
- 1/8" Hollow punch
- 3/16" Hollow punch
- 1/4" Hollow punch
- 5/16" Hollow punch
- 3/8" Hollow punch
- 7/16" Hollow punch
- 1/2" Hollow punch
- 9/16" Hollow punch
- 5/8" Hollow punch
- 3/4" Hollow punch
- 7/8" Hollow punch
- 1" Hollow punch
- 1-1/16" Hollow punch
- 1-1/8" Hollow punch
- 1-3/16" Hollow punch
- Plastic case



Order No.	Regular Price	SALE
KS5066000	511.10	<b>363.30</b>

6856

## PRM PRO Brass Hammers

- Non-marring, soft brass
- Non-sparking
- Available in wood hickory or fiberglass handle
- Lifetime warranty against manufacturing defect



Head Weight	Head Diameter	Overall Length	Fiberglass			Wood		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1 lbs	1"	12"	-	-	-	KY402001	53.29	<b>37.87</b>
1 1/2 lbs	1 1/4"	14"	-	-	-	KY402015	72.12	<b>51.26</b>
2 lbs	1 1/2"	14"	KY401002	98.37	<b>69.91</b>	KY402002	74.21	<b>52.74</b>
3 lbs	1 5/8"	14"	KY401003	120.87	<b>85.92</b>	KY402003	90.05	<b>64.01</b>
4 lbs	1 3/4"	14"	KY401004	147.71	<b>104.99</b>	KY402004	113.78	<b>80.87</b>
5 lbs	1 7/8"	14"	KY401005	164.24	<b>116.74</b>	KY402005	131.05	<b>93.15</b>
8 lbs	2 3/8"	36"	KY401008	253.37	<b>180.10</b>	KY402008	230.12	<b>163.56</b>
10 lbs	2 1/2"	36"	KY401010	303.94	<b>216.04</b>	-	-	-
12 lbs	2 1/2"	36"	-	-	-	KY402010	269.62	<b>191.64</b>

6941

## Pin Punches

- Two-piece design allows the tip to be hard for durability, while allowing it to be produced straight to help prevent binding
- Reverse taper to help prevent binding
- Made from S2 steel and heat-treated
- Modified parabolic striking end to help reduce mushrooming and chipping
- Black oxide finish
- A polished identification on flats marked with the tool number



Pin Punch							
Tip Diameter	Blade Length	Overall Length	Body Diameter	Model No	Order No.	Regular Price	SALE
1/16"	3/4"	4"	1/4"	J471/4X1/16	KP4260300	9.27	<b>7.02</b>
3/32"	1 5/16"	4 3/4"	1/4"	J471/4X3/32	KP4260305	9.69	<b>7.34</b>
1/8"	1 3/16"	6"	5/16"	J475/16X1/8	KP4260315	9.92	<b>7.52</b>
5/32"	1 7/16"	5 1/2"	5/16"	J475/16X5/32	KP4260320	11.48	<b>8.70</b>
3/16"	1 5/8"	6"	3/8"	J473/8X3/16	KP4260310	10.00	<b>7.57</b>
7/32"	1 7/8"	6"	3/8"	J477/16X7/32	KP4260325	14.41	<b>10.92</b>
1/4"	2 1/8"	6 3/4"	3/8"	J471/2X1/4	KP4260295	14.43	<b>10.93</b>

7318

## TITAN 5 Pc. General Hammer Set

- Comfortable, textured handles for handling ease
- Contains 1 of each
  - 16 Oz ball pein hammer
  - 32 Oz ball pein hammer
  - 32 Oz rubber mallet
  - 3 Lb. sledge hammer
  - 3 Lb. cross pein hammer



Set Includes	Order No.	Regular Price	SALE
(1) 16 oz and (1) 32 oz Ball Pein Hammer; (1) 32 oz Rubber Mallet; (1) 3 lbs Sledge Hammer; (1) 3 lbs Cross Pein Hammer	KP8263125	169.52	<b>96.39</b>
(1) 16 oz and (1) 32 oz Ball Pein Hammer; (1) 32 oz Rubber Mallet; (1) 3 lbs Sledge Hammer; (1) 3 lbs Cross Pein Hammer	KP8263125	169.52	<b>96.39</b>

7893

## **FABRIC** 6 Pc. Screwdriver Set

- Cushion-Grip handle for greater torque and comfort
- Premium chrome-plated
- Internal flanges inside handle provide solid, twist-resistant blade anchor
- Special heat-treated shafts and non-magnetic bits
- Precision-machined tip for exact fit
- Tip-Ident® quickly identifies the screwdriver type and tip orientation



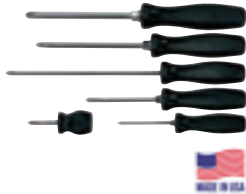
Number of Pieces	Sizes Included	ManufacturerNo	Order No.	Regular Price	SALE
6	3/16" Cabinet; 1/4" and 5/16" Keystone and #1, #2 and #3 Phillips	85074	KP6011775	123.05	<b>87.19</b>

28845

## **6 Pc. Phillips® Screwdriver Set**

### Features:

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage
- Chrome blades prevent corrosion
- Blades are made from special alloy steel
- 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



Order No.	Regular Price	SALE
KP30100P6PD	117.79	<b>62.60</b>

25003

## **CRESCENT** **Wiss** Shears & Scissors

### Easy Snip Utility Shears

- Quality 420 stainless steel blade
- Cushion grip handle
- Thumb latch for secure storage
- Lightweight
- Wire cutting notch in lower blade

### Heavy Duty Industrial Shears

- Hot drop forged polished blades, made of quality cutlery steel
- Black handles

### Electrician's Scissors

- Double stripping notch for 19 gauge (.035) and 23 gauge (.022) wire
- Hot drop forged solid steel & nickel plated
- Scraper and file on back edge of blade



Overall Length	Blade Length	Type	Order No.	Regular Price	SALE
5"	1 3/4"	Electrician's Scissors	LA50175E5	39.65	<b>25.39</b>
8 1/2"	4"	Easy Snip Shears	LA50WEZSNIP	37.77	<b>24.18</b>
10 1/2"	4 3/4"	Heavy Duty Industrial Shears	LA5020	106.27	<b>68.05</b>
12 1/2"	6"	Heavy Duty Industrial Shears	LA5022	118.58	<b>75.93</b>

25564

## **wiha** 11 Pc. Insulated Tool Set

### A Must for SAFE Electrical Repair

- 1000 Volt Rated
- (1) - 8" Combination linemans pliers
- (1) - 6-1/2" Long nose pliers
- (1) - 8" Long nose pliers
- (1) - 6-1/2" Diagonal cutters
- (1) - 8" Heavy duty high leverage cutter
- (1) - Canvas tool bag (made in USA)
- 6 Pc. Insulated screwdriver set - phillips & slotted (made in Germany)
- Tested & approved for the following standards: VDE 0680-201, ASTM F-1505-01, EN 60900



Order No.	Regular Price	SALE
KN5432977	403.89	<b>258.24</b>

28731

While supplies last

## **PROTECTOR** Inspection Mirrors

- Versatile all-angle ball joint
- Features telescoping handle (J2372 and J2373)
- With pocket clip (J2373)

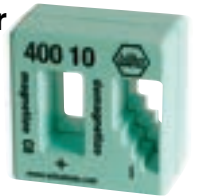


Mirror Diameter	Shape	Overall Length	Model No	Order No.	Regular Price	SALE
7/8"	Circular	7 1/2"	J2370	KP4270305	11.67	<b>8.84</b>
2 1/4"	Circular	10"-14"	J2372	KP4270315	17.09	<b>12.95</b>
1 1/4"	Circular	8"	J2374	KP4270325	12.09	<b>9.16</b>
1 x 2	Oval	8 3/4"	J2371	KP4270310	11.67	<b>8.84</b>
2-1/8 x 3-1/2	Rectangular	11 1/4"-15 1/2"	J2373	KP4270320	17.09	<b>12.95</b>

4891

## **wiha** Magnetizer/Demagnetizer

- Use (+) opening to magnetize
- Use (-) opening to demagnetize



Order No.	Regular Price	SALE
KN5440010	10.62	<b>6.85</b>

25514

## **Ratchets**

- Pear style operates as a 36-tooth action, with 4-1/2° arc swing
- Heat treated chrome plated vanadium steel
- Flex head features 180° swivel
- All ratchets are reversible
- Lifetime warranty



Drive Size	Overall Length	Head Style	Handle Type	COO	Order No.	Regular Price	SALE
1/4"	5"	Round, Pear, Flex Head, & Open Head	Smooth	Taiwan	KP3030001	38.24	<b>20.32</b>
3/4"	20"	Narrow Pear	Plain	China	KP30H51B	255.68	<b>135.88</b>
3/8"	9 3/4"	Narrow Pear	Smooth	USA	KP30B52E-HFB	109.43	<b>58.15</b>

7598

### Young Bros. Heavy Duty Combination Stamps Sets

- 36 Characters: 27 Letters (A-Z), 9 (Numbers)



Character Size	Square Size	Overall Length	Weight	Order No.	Regular Price	SALE
1/32"	1/4"	2 3/8"	2 lbs	KF5000363	289.84	164.82
1/16"	1/4"	2 3/8"	2 lbs	KF5001363	229.11	130.28
3/32"	5/16"	2 1/2"	3 lbs	KF5002363	229.11	130.28
1/8"	5/16"	2 1/2"	3 lbs	KF5003363	229.11	130.28
5/32"	3/8"	23/4"	4 lbs	KF5004363	258.10	146.76
3/16"	3/8"	2 3/4"	4 lbs	KF5005363	271.90	154.61
1/4"	7/16"	3"	6 lbs	KF5006363	313.31	178.16
5/16"	1/2"	3"	8 lbs	KF5007363	391.98	222.90
3/8"	9/16"	3 1/8"	11 lbs	KF5008363	449.95	255.85
1/2"	3/4"	3 3/4"	28 lbs	KF5009363	716.32	407.34

8077

### TEKTON Cold Chisels

- Forged and machined from premium, high carbon steel
- Rough ground after forging, a second sharpening after heat treating produces a high-performance cutting edge
- Individual heat treatment allows the right balance of a hardened edge with a softer striking end
- Classic natural finish has a dry-touch, rust-preventative coating



Cut Size	Blade Width	Length	Order No.	Regular Price	SALE
3/8"	0.3"	5 1/4"	KP8566003	18.35	10.57
7/16"	0.4"	5 1/2"	KP8566004	19.54	11.24
1/2"	0.4"	6"	KP8566005	21.12	12.15
5/8"	1/2"	6 1/2"	KP8566006	24.59	14.15
3/4"	0.6"	7"	KP8566007	29.28	16.85
7/8"	0.8"	7 1/2"	KP8566008	35.44	20.40

7844

### PRM PRO 5 Pc. Universal Utility File Set with Ergo Handles

- Set contains a well-rounded collection of general-purpose files
- Includes: 8" & 10" Mill Bastard, 10" Half-Rnd Bastard, 8" Mill Smooth, 6" Slim 2<sup>nd</sup> Cut
- Ergonomic Handles for comfort and safety
- Sturdy pouch that protects and organize file placement
- PRM Pro files are made for industrial use



Order No.	Regular Price	SALE
PR0450005	109.04	77.50

28815

### Lineman's Pliers

- Cuts ACSR, screws, nails and most hardened wire
- High-leverage design. 46-percent greater cutting and gripping power
- Unique handle tempering helps absorb the "snap" when cutting wire
- Precision-hardened plier head
- New England nose type



KP6011025

KP6011055

KP6011060

Overall Length	Jaw Width	Jaw Length	Jaw Thickness	Side Cutter	Handle Style	ManufacturerNo	Order No.	Regular Price	SALE
9"	1-1/4"	1-19/32"	5/8"	Yes	Hvy Plastic Dip Red	HD2000-9NE	KP6011055	100.65	71.32
9"	1-1/4"	1-19/32"	5/8"	Yes	PL Dip Glow in Dark	D20009NEGLW	KP6011025	100.65	71.32
9 1/2"	1-1/4"	1-19/32"	5/8"	Yes	Journeyman Blk/Blue	J2000-9NE	KP6011060	98.44	69.75

28921

### GENERAL Side Lock Utility Knife

- Opens instantly to any one of three cutting positions
- Blade retracts into handle for safety
- Has five replaceable heavy-duty alloy steel blades in handle



Overall Length	Order No.	Regular Price	SALE
6"	NE50855	13.52	9.60

6673

### SPELLMACO Transfer Punch Set with Indexed Stand

- 28 Punch set consists of: (1) each of punch sizes 3/32" thru 1/2" x 64ths plus 17/32"



Order No.	Regular Price	SALE
KH50317	164.33	113.40

7673

## bolle SAFETY IRI-s

### With Dioptric Corrective Lenses

- Universal safety spectacle that is modular and infinitely adaptable to every individual thanks to the B-flex shape memory bridge
- Pivoting, non slip & ergonomic temples
- Clear version with reading area
- PLATINUM® anti-fog/anti-scratch coating



Magnification	Frame Color	Lens Color	Order No.	Regular Price	SALE
1.5x	Black & Red	Clear	BO1540187	21.90	15.56
2.0x	Black & Red	Clear	BO1540188	21.90	15.56
2.5x	Black & Red	Clear	BO1540189	21.90	15.56
3.0x	Black & Red	Clear	BO1540190	21.90	15.56

2500

## bolle SAFETY RUSH+

- Upper protection
- Non-slip adjustable bridge
- PLATINUM® anti-scratch/anti-fog coating
- Co-injected ultra-flexible temples
- Bi-colored temples



Lens Color	Frame Color	Order No.	Regular Price	SALE
Smoke	Black & Grey	BO1540208	21.09	14.99
Brown	Black & Grey	BO1540209	22.11	15.71
Twilight	Black & Grey	BO1540225	21.09	14.99
Clear	Yellow & Black	BO1540243	21.09	14.99
Smoke	Yellow & Black	BO1540244	21.09	14.99
Brown	Yellow & Black	BO1540245	22.11	15.71
Clear	Blue & Green	BO1540256	21.09	14.99
Smoke	Blue & Green	BO1540257	21.09	14.99
Clear	Black & Phosphorus Green	BO1540292	23.10	16.42
Brown	Grey	BO1540294	22.11	15.71
Clear	Black & Red	BO1541080	21.09	14.99

2506

## bolle SAFETY NITRO

- Has spherical lens that offers brilliant optics and peripheral vision
- Ultra low-profile
- Large adjustable strap



Lens Color	Frame Color	Order No.	Regular Price	SALE
Clear	Translucent	BO1540095	27.46	19.51

2501

## bolle SAFETY ATOM

- Extremely compact and comfortable
- TPR frame
- Material: Polycarbonate



Order No.	Regular Price	SALE
BO1540093	16.64	11.82

29786

## 3M 3M™ BX™ Protective Eyewear with Readers

- Clear choice for workers who have difficulty reading small print or who are engaged in small detail work
- BX protective reader eyewear features three magnifying diopters to choose from
- Lightweight, polycarbonate lenses with adjustable soft-tip temples, and a soft nose-bridge
- Curved lens side protection



Lens Color	Frame Color	Magnification	Order No.	Regular Price	SALE
Clear	Silver	1.5x	KB3511374	32.78	27.95
Clear	Silver	2.0x	KB3511375	32.78	27.95
Clear	Silver	2.5x	KB3511376	32.78	27.95

2391

## 3M 3M™ Lexa™ Dust GoggleGear™

- Aspheric lens provides expansive coverage and a virtually unobstructed viewing range
- Foam flange seals entire lens perimeter
- Top and bottom vent channels to increase airflow
- Flame retardant, elastic headstrap
- Polycarbonate lens absorbs 99.9% UV



Size	Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Medium	Clear	Anti-Fog	Black	KB3562330	22.12	18.86
Large	Clear	Anti-Fog	Black	KB3562331	23.93	20.41

2410

## MCR SAFETY SR1®

- Non-slip co-injected soft temple material
- Wider temples for better side protection
- Soft secure TRP nose pad
- Rugged polycarbonate lens filters 99.9% UV rays
- Exclusive Duramass® scratch resistant coating



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Anti-Fog & Scratch Resistant	Clear	KB85SR140AF	13.25	8.15
Gray	Anti-Fog & Scratch Resistant	White	KB85SR122AF	14.12	8.70
Gray	Polarized Scratch Resistant	Black	KB85SR112Z	44.69	27.52
Amber	Scratch Resistant	Black	KB85SR114	12.07	7.43
Blue Mirror	Scratch Resistant	Clear	KB85SR148B	15.53	9.56
Clear	Scratch Resistant	Black	KB85SR110	12.11	7.45
Clear	Scratch Resistant	White	KB85SR120	11.22	6.91
Clear	Scratch Resistant	Red	KB85SR130	11.22	6.91
Fire Mirror	Scratch Resistant	Red	KB85SR13R	15.53	9.56
Gray	Scratch Resistant	Black	KB85SR112	12.97	7.99

2544



## ISOtunes ISO Pro Aware Earplugs

- Aware Technology™ offers complete situational awareness and protection from harmful noises.
- ANSI-certified 25 dB NRR
- OSHA-compliant hearing protection
- SafeMax™ Technology limits volume output to 85dB.
- Up to 13 hours of battery life
- Up to 25 additional hours with charging case
- IP67 durability for dust, sweat, and waterproof protection
- Background noise-reducing microphone for clear communication in loud environments
- Bluetooth 5.2 connects devices up to 30 feet.
- Siri/Google Voice Compatible
- Automatic Power Off after 2 hours without Bluetooth connection for battery conservation
- True Wireless Design



new product

Type	Noise Reduction Rating	Style	Color	Order No.	Regular Price	SALE
Ear buds	ANSI-certified 25 dB NRR	Uncord-ed	Lime/Black	HT015015	276.03	<b>227.33</b>

30836

## MCR SAFETY BK1®

- Non-slip temple sleeves
- Single wrap-around lens design with integral side shields



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Uncoated	Clear	KB85BK010	3.22	<b>1.83</b>
Clear	Scratch Resistant	Clear	KB85BK110	3.42	<b>2.10</b>
Clear	Anti-Fog & Scratch Resistant	Clear	KB85BK110AF	4.56	<b>2.81</b>
Gray	Scratch Resistant	Gray	KB85BK112	3.42	<b>2.10</b>
Light Blue	Scratch Resistant	Light Blue	KB85BK113	4.27	<b>2.63</b>
Mirrored	Scratch Resistant	Clear	KB85BK119	4.27	<b>2.63</b>

2529

## MCR SAFETY Faceshields & Headgear

- Headgear has locking cams
- Shield provides excellent protection from particle debris and sparks
- Clear polycarbonate
- Face shield and headgear sold separate



Head Gear			
Width	Order No.	Regular Price	SALE
6 1/2"   7 3/4"	KB85103	19.85	<b>12.22</b>

Face Shield						
Shield Width	Shield Height	Shield Thickness	Shield Material	Order No.	Regular Price	SALE
15 1/2"	8"	0.040"	Polycarbonate	KB85181640	5.59	<b>3.44</b>
15 1/2"	10"	0.040"	Polycarbonate	KB85101640	5.87	<b>3.61</b>

2535

## MCR SAFETY LAW® Safety Glasses

- Non-slip gel temple pads
- Universal nose bridge comfortably fits large user audience
- Contemporary, wrap-around lens design



Lens Color	Frame Color	Order No.	Regular Price	SALE
Clear	Clear	KB85LW110	4.66	<b>2.87</b>
Gray	Gray	KB85LW112	4.66	<b>2.87</b>

2538

## ISOtunes ISO Link Aware Ear Muffs Green

- Aware Technology™ offers complete situational awareness and protection from harmful noises.
- ANSI-certified 25 dB NRR
- OSHA-compliant hearing protection
- SafeMax™ Technology limits volume output to 85dB.
- Up to 11 hour rechargeable battery life
- AAA battery compatible for up to 22 hours of connection (not included)
- IPX4 Durability for sweat and water resistance.
- Noise-Isolating Microphone for clear communication in loud environments
- Bluetooth 4.2 connects, and dual-connects, devices up to 30 feet.
- Siri/Google Voice Compatible
- Automatic Power Off after 4 hours without Bluetooth connection for battery conservation
- Vented headband
- Memory foam ear cushions



new product

Type	Noise Reduction Rating	Style	Color	Order No.	Regular Price	SALE
Ear Muff	ANSI-certified 25 dB NRR	Ear Muff	Lime/Black	HT015034	193.21	<b>151.13</b>

30837

## BAUSCH + LOMB Pre-Moistened Lens Cleaning Tissues

- Non-silicone based, anti-fog, anti-static, individually packaged tissues treated with special surfactants clean all glass and plastic lenses
- 100 Tissues per box



Order No.	Regular Price	SALE
KA408574GM	20.84	<b>14.10</b>

22761

## ANSER™ Semi-Rimless Safety Glasses

- Lightweight, semi-rimless design provides all day user comfort
- Sleek, sporty style with wraparound lens protection
- Bayonet temples with flexible rubber tips offer a comfortable, secure fit
- Supplied with an adjustable neck cord
- Meets ANSI Z87.1+



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Anti-Scratch	Black	PP1018530	6.90	<b>5.23</b>
Clear	Anti-Scratch / Anti-Fog	Black	PP1018535	7.52	<b>5.69</b>
Gray	Anti-Scratch	Black	PP1018540	7.49	<b>5.68</b>
Light Blue	Anti-Scratch	Black	PP1018545	7.49	<b>5.68</b>
I/O	Anti-Scratch	Black	PP1018550	7.80	<b>5.91</b>
Blue	Anti-Scratch	Black	PP1018555	10.63	<b>8.05</b>

29835

## PYRAMEX Cortez Safety Glasses

- General purposes for indoor applications that require impact protection
- Offers protection from excessive glare
- Scratch-resistant lenses
- Provides 99% protection from harmful UV-A and UV-B rays
- Ribbed cushioned nose piece fits a wide range of bridge sizes and protects against slippage
- Exceeds the ANSI Z87.1 high velocity impact standards



Lens Color	Frame Color	Order No.	Regular Price	SALE
Clear	Black	KB54SB3610S	5.60	<b>3.71</b>
Clear	Orange	KB54SO3610S	5.60	<b>3.71</b>

24521

## RPB Z-Link+ & Z-Link Respirator Kits for Welding & Grinding

The RPB® Z-Link® is the most versatile respirator on the market serving the widest spectrum of industries and applications from welding and grinding, to chemical handling. With countless customizations you can wear it your way. Add, change, or remove features as you choose including five visor types, five cape types, fully adjustable head suspension with five points of adjustment, adjustable airflow, and four additional optional accessories.

- Visor lifter to easily raise and lower the welding visor with large opening.
- Z-Link+ for Welding/Grinding & Z-Link for Grinding only
- For extended periods of grinding the visor is easily removed at the hinge points.
- Fixed jaw ensures secure cape attachment.
- Replaceable impact lens and removable ADF lens.
- Anti-fog and scratch resistant ANSI Z87+ visors
- Zytac® Material



Includes	ManufacturerNo	Order No.	Regular Price	SALE
Z-Link Kit - FR Face Seal & C40	16-015-11	RS01Z1245	1459.46	1085.82
Z-Link Kit - Face Seal & PX5	16-018-12	RS011601812	2311.74	1719.91
Z-Link+ Kit - FR Face Seal & PX5	16-078-11-FR	RS01Z1310	2960.21	2202.37
Z-Link+ Kit - FR Cape & PX5	16-078-21-FR	RS01Z1315	2977.71	2215.39

29978

## KN95 Respirator Mask

- 4-Layers of protection Non-woven fabrics+
- Hot air cotton + Melt blown fabric + Non-woven fabrics
- Includes adjustable nose bridge strip
- Comfortable and breathable with ear hook design
- PTE rating >95%
- BFE rating >95%
- FFP2 PROTECTION
- Sold in minimum packs of 20 or 50



Standard Pack	Order No.	Regular Price	SALE
50	KN95RESPB	5.90	4.60
20	KN95RESPP	6.23	4.86

PRICE PER EACH MASK

29356

## N-Ferno® 6823 Wind-Proof Hinged Balaclava

- Fleece with wind-protectant fabric at the most vulnerable places protects against a variety of elements
- Unique hinged design
- 3-panel construction with flat lock stitching for a comfortable "just made for you" fit
- Reflective accents to help keep you safe and seen
- Long length



Order No.	Regular Price	SALE
LF656823	32.01	21.23

2606

## N-Ferno® Winter Liner 6850/6852 Econo 2-Layer Poly/Fleece

- Regular (6850)/ Shoulder (6852) Length
- Shell: 100% cotton twill
- Lining: 100% poly fleece
- Hook & loop or chin strap
- Elastic gap control
- Single wash FR treated



Type	Order No.	Regular Price	SALE
Regular Winter Liner	LF656850	13.71	9.09
Shoulder Winter Liner	LF656852	20.49	13.59

One Size Fits All

2598

## PRM PRO® Class 2 Hi-Vis Safety Vests

- Class 2
- Reflective tape
- Zipper front closure
- SV80 radio straps both shoulders, 2 pockets with velcro closure and one chest pocket



Size	Yellow/Silver, Zipper			Yellow/Orange/Silver, Zipper		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Medium	KB38SV8030	12.27	8.14	KB38SV8100	17.37	11.52
Large	KB38SV8035	12.27	8.14	KB38SV8105	17.37	11.52
X-Large	KB38SV8040	12.27	8.14	KB38SV8110	17.37	11.52
2X-Large	KB38SV8045	12.27	8.14	KB38SV8115	17.37	11.52
3X-Large	KB38SV8050	12.27	8.14	KB38SV8120	17.37	11.52

2932

## Kimberly-Clark Professional WYPALL® X80 Towels

- Designed to feel like cloth and work even better
- Our thickest and strongest wiper
- Absorbs faster than rags and shop towels



Container Type	Length	Width	Sheets Per Package	Weight	Order No.	Regular Price	SALE
Pop Up Box	16.8"	9.1"	80	12.4 lbs	LM5505930	39.07	25.95
Brag Box	16.8"	12 1/2"	160	6.3 lbs	LM5541041	80.52	53.49
Jumbo Roll	13.4"	12 1/2"	475	14.0 lbs	LM5541043	169.95	112.89

2737

## Wrist, Elbow, and Knee Supports

### ProFlex® 300 Round Cap Knee Pads

- Rounded cap allows for swiveling and pivoting
- 840D nylon fabric
- Wicked™ treated
- 1/2" EVA padding
- Woven elastic straps
- Velcro or buckle closure

### ProFlex® 500 Elbow Support

- Durable construction for tough environments
- Provides wide base of support
- Effective relief from pain and discomfort

### ProFlex® 4000 Wrist Support

- Fully-adjustable for an exact fit
- Patented open-center stay™ reduces pressure on the median nerve
- Anti microbial interior fabric
- Sold individually; specify left or right



Knee Pads			
Size	Order No.	Regular Price	SALE
One Size	LF65300B	48.19	31.97
One Size	LF65300V	45.55	30.21

Wrist Support				
Size	Hand	Order No.	Regular Price	SALE
Large	Left	LF654000LL	25.25	16.74
Medium	Left	LF654000LM	25.25	16.74
Large	Right	LF654000RL	25.25	16.74
Medium	Right	LF654000RM	25.25	16.74

Elbow Support			
Size	Order No.	Regular Price	SALE
Large	LF65500L	21.37	14.17
Medium	LF65500M	21.37	14.17
X-Large	LF65500XL	21.37	14.17

23185

**Contender 7ga. Aramid Blend Cut-Resistant Glove**

- Uncoated 7ga. high ANSI A6 cut resistant Kevlar composite knit.
- Great for handling heavy metal stampings & parts work.
- Available in sizes X-Small thru X-Large.



Size	Color	Cut Rating	Order No.	Regular Price	SALE
Medium	Yellow	ANSI A6	SG021175	17.78	12.64
Large	Yellow	ANSI A6	SG021180	17.78	12.64

30699

**Cutban Cut Resistant Sleeve**

- Double-layer high-tenacity ANSI A2 cut rated filament-yarn both durable & comfortable.
- Available in 12", 14", 18" & 22" long.
- Also available With-Thumbhole & XL width.



Size	Color	Material	Cut Rating	Type	Length	Order No.	Regular Price	SALE
Large	Black	HPPE	ANSI A2	Sleeve	18"	SG023005	8.46	6.01

30700

**Emerald CX Foam Nitrile Coated 10ga. Steel-Filament Fibers Cut**

- Heavy-duty ANSI A6 cut resistant 10ga. Stainless-Steel base composite filament knit shell.
- Foam nitrile has excellent dry, wet, & oily parts grip.
- Good dexterity & abrasion resistance from the specially formulated for heavy metal stamping.
- High ANSI Level 5 puncture rating.
- Treated with Ultra-Fresh anti-microbial treatment to enhance healthy long-life performance.
- Available in sizes 2X-Small thru 2X-Large.



Size	Material	Color	Cut Rating	Puncture Rating	Order No.	Regular Price	SALE
Medium	Blended Steel	Black	ANSI A6	ANSI Level 5	SG021410	27.44	19.51
Large	Blended Steel	Black	ANSI A6	ANSI Level 5	SG021415	27.44	19.51
X-Large	Blended Steel	Black	ANSI A6	ANSI Level 5	SG021420	27.44	19.51

30704

**SLWA 306**

- Enhanced grip and abrasion resistance
- Ergonomic design replicates a hands natural curvature
- Enhanced breathability and reduced perspiration
- Premium fit and soft comfort
- Impermeability defies liquids
- Coating: natural rubber
- Liner: Polyester/Cotton/13-gauge
- Color: blue/black palm



Size	Order No.	Price
Small	SG2501940	12.58

30882

**Emerald CX Latex Coated 13ga. Kevlar-Steel Cut Resistant Glove**



Size	Color	Material	Cut Rating	Type	Order No.	Regular Price	SALE
Medium	Green	Blended Steel	ANSI A4	Glove	SG021355	15.18	10.78
Large	Green	Blended Steel	ANSI A4	Glove	SG021360	15.18	10.78
X-Large	Green	Blended Steel	ANSI A4	Glove	SG021365	15.18	10.78

30702

**Dexterity Polyurethane Coated 13ga. Kevlar Blend Cut**

- Superior cut resistance with light weight construction.
- Non-marring coating with great grip, dexterity and touch sensitivity.
- Available in sizes 2X-Small thru 3X-Large



Size	Color	Material	Cut Rating	Type	Order No.	Regular Price	SALE
Medium	Yellow	Para-Aramid	ANSI A4	Glove	SG021250	14.50	10.30
Large	Yellow	Para-Aramid	ANSI A4	Glove	SG021255	14.50	10.30
X-Large	Yellow	Para-Aramid	ANSI A4	Glove	SG021260	14.50	10.30

30703

**Dexterity Foam Nitrile Coated 13ga. Kevlar Blend Cut Resistant Glove**

- Economical blend of Kevlar and other durable fibers.
- Foam nitrile offers great dry, wet, and oil grip.
- Available in sizes 2X-Small thru 2X-Large.



Size	Color	Material	Abrasion Rating	Cut Rating	Puncture Rating	Coating	Type	Order No.	Regular Price	SALE
Medium	Yellow	Para-Aramid	ANSI Level 3	ANSI A3	ANSI Level 3	Foam Nitrile	Glove	SG021205	10.88	7.73
Large	Yellow	Para-Aramid	ANSI Level 3	ANSI A3	ANSI Level 3	Foam Nitrile	Glove	SG021210	10.88	7.73
X-Large	Yellow	Para-Aramid	ANSI Level 3	ANSI A3	ANSI Level 3	Foam Nitrile	Glove	SG021215	10.88	7.73

30701



## NorthFlex-Oil Grip Gloves

- Lightweight, 13-gauge nylon seamless knit glove • Foam nitrile coating features microscopic pockets that disperse fluid away from the surface for excellent grip and control
- Handling of fine products in a greasy or damp atmosphere • Color: Green/Black



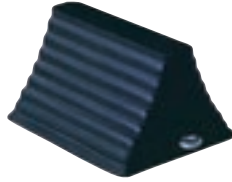
Size	Order No.	Price
X-Large	<b>KB65NF3510XL</b>	12.59

30883



## Wheel Chock

- Loading docks, warehouses, etc.
- Available with 12" chain
- Weight: 9 lbs.



Type	Order No.	Regular Price	SALE
Wheel Chock	<b>LF452048WC</b>	36.96	<b>26.26</b>
Wheel Chock with Chain	<b>LF452048WCC</b>	48.33	<b>34.35</b>

2526



## NorthFlex Red

- Lightweight, 15-gauge nylon glove with foam PVC coating on palm and fingertips, no coating on back of hand for added ventilation • Color: Red nylon and black PVC



Size	Order No.	Price
X-Large	<b>KB65NF110XL</b>	7.34

30884



## Freakin' Beacon™ Flasher

- 5 COLORS: Red, Blue, Amber, White and Green
- Green color runs 36 hrs. on steady, 144 hrs. on flash.
- Blue color runs 48 hrs. on steady, 192 hrs. on flash.
- Red, Amber, White colors run on 65 hrs. on steady, 200 hrs. on flash.
- Uses 2 AAA batteries (not included)
- Class I, Div 1
- Waterproof IP67
- 3M Dual Lock included
- Light visible from 1000+ feet
- Drop rated to 2 meters
- Optional helmet band for metal, plastic and spring clips
- Limited Lifetime warranty
- LENGTH: 2.7" WIDTH: 2.6" HEIGHT: 1.5"



LED Color	Lumens Range	Battery Size	Metal Clasp			Plastic Spring			Plastic Solid			Magnet		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Amber	25/strobe	AAA	<b>KN0171000A</b>	64.31	<b>53.35</b>	<b>KN0171010A</b>	64.31	<b>53.35</b>	<b>KN0171020A</b>	64.31	<b>53.35</b>	<b>KN0171030A</b>	64.31	<b>53.35</b>
Blue	25/strobe	AAA	<b>KN0171000B</b>	64.31	<b>53.35</b>	<b>KN0171010B</b>	64.31	<b>53.35</b>	<b>KN0171020B</b>	64.31	<b>53.35</b>	<b>KN0171030B</b>	64.31	<b>53.35</b>
Green	25/strobe	AAA	<b>KN0171000G</b>	64.31	<b>53.35</b>	<b>KN0171010G</b>	64.31	<b>53.35</b>	<b>KN0171020G</b>	64.31	<b>53.35</b>	<b>KN0171030G</b>	64.31	<b>53.35</b>
Red	25/strobe	AAA	<b>KN0171000R</b>	64.31	<b>53.35</b>	<b>KN0171010R</b>	64.31	<b>53.35</b>	<b>KN0171020R</b>	64.31	<b>53.35</b>	<b>KN0171030R</b>	64.31	<b>53.35</b>
White	25/strobe	AAA	<b>KN0171000W</b>	64.31	<b>53.35</b>	<b>KN0171010W</b>	64.31	<b>53.35</b>	<b>KN0171020W</b>	64.31	<b>53.35</b>	<b>KN0171030W</b>	64.31	<b>53.35</b>

29684



## ProLite™ High Performance, Hand-Applied Stretch Film

- Cast 5 layer stiff hand wraps
- Designed for easy down gauging and cost savings over thicker standard hand wrap films
- Maintains load containment while reducing film usage
- Sold 4 rolls per case



Width	Length	Gauge	Order No.	Regular Price	SALE
18"	1,500 feet	60-80	<b>LF5200457</b>	44.00	<b>29.22</b>

2727



## Sync Stereo Earmuff

- Use as passive hearing protector or as stereo earmuffs
- No volume knobs or power switches to coordinate nor batteries to relace
- Ease-of-use is enhanced by maintaining volume and power control through the external device
- Can be used with MP3 players, mobile phones, and other personal listening devices
- Simply plug in device and listen



Noise Reduction Rating	Order No.	Regular Price	SALE
25 dB	<b>LF501030110</b>	91.17	<b>64.81</b>

23321

† While supplies last

**Honeywell** HEAVY DUTY **Laser Lite® Disposable Foam Earplugs**

- Vibrant colors make protection visible
- Smooth, soil-resistant closed-cell foam skin prevents dirt build-up
- Contoured T-shape for easy insertion and wear
- Self-adjusting foam expands to fit virtually every wearer
- Compliance: ANSI S3.19-1974
- Uncorded and corded
- NRR: 32 dB



Style	Standard Pack	Order No.	Regular Price	SALE
Uncorded	200	LF50LL1	0.28	<b>0.19</b>
Reusable / Uncorded	500	LF50LL1D	0.25	<b>0.18</b>
Corded	100	LF50LL30	0.52	<b>0.37</b>

Price per each

23322

**Honeywell** HEAVY DUTY **Disposable Earplugs**

- Contoured shaped is easier to insert, resists tendency to back out of ear canal
- Polyurethane foam enhances comfort, especially for long term wearer
- Ideal for people with smaller ear canal
- Sold 100 per box
- Price per each



Noise Reduction Rating	Style	Order No.	Regular Price	SALE
33 dB	Corded	LF50MAX30	0.60	<b>0.42</b>

Compliance: ANSI S3.19-1974

25

**DAZOR** **Machine Arm Wide-Beam Reflector Lights**

- Rugged industrial heavy duty construction
- Double arm design or flexarm
- Wide beam for better light coverage
- Power coat paint that resists cracks, scuffs and fading
- Includes 75 watt bulb but approved up to 100 watt bulb



Overall Length	Arm Style	Order No.	Regular Price	SALE
26"	Gooseneck	KC501075	414.93	<b>294.93</b>
39"	Machine	KC501100	478.93	<b>340.42</b>
28"	Machine	KC501101	452.77	<b>321.83</b>

23054

**BAYCO** Innovation Made Better™ **Multi-Purpose Rechargeable Work Light**

- **Bulb:** LED
- **Run time:** 4-1/2 hrs High, 12-1/2 hrs Low
- **Lumens:** 600 High, 225 Low
- **Battery:** Rechargeable Lithium-ion
- **Features:** 3 integrated magnets for hands free use, detachable magnetic hook, IP-X4 water-resistant, AC/DC chargers included, 6 hour charge time
- 1 Year limited warranty



Order No.	Regular Price	SALE
KE58SL2168B	109.73	<b>72.80</b>

2479

**Honeywell** HEAVY DUTY **Fusion® Reusable Earplugs**

- Patented dual material design
- Unique detachable cord system
- Includes HearPack® hard plastic kidney shaped case
- SoftFlange® design delivers unmatched comfort and attenuation
- Sold by box of 100 pair only (priced per each pair)



Noise Reduction Rating	Color	Size	Standard Pack	Order No.	Regular Price	SALE
27 dB	Blue	Small	100	LF50FUS30HP	2.79	<b>1.98</b>
27 dB	Green	Regular	100	LF50FUS30SHP	2.79	<b>1.98</b>

2706

**FAIR** **Wireless Jobsite Speaker**

- Connects wirelessly via Bluetooth or a wired auxiliary input
- 32.8-foot (10 m) connectivity range (in open space)
- 10-Hour battery life
- Drop protected up to 6.6-foot (2 m)
- Powerful rear magnet holds speaker to metal surfaces (panels, ducts, etc.)
- 1/4-20 threaded mount on bottom allows attachment to any standard tripod
- Rated IP45 water/dust resistant
- Able to answer calls hands-free with the built-in speakerphone
- Includes 1/8-Inch (3.5 mm) stereo auxiliary cable and micro USB-to-standard USB charging cable



Type	Watt-age	Color	ManufacturerNo	Order No.	Regular Price	SALE
Wire-less	5 W	Orange, Black, Gray	AEPJS1	KP6040000	82.70	<b>58.60</b>

28842

**Kochler** BrightStar **Intrinsically Safe Razor LED**

- **Bulb:** LED
- **Run time:** 24 Hours
- **Lumens:** 125
- **Batteries:** 3 AA batteries (not included)
- Intrinsically safe
- **Features:** high output LED, fully waterproof to one meter, floats, weighs just 7 ounces, tactical, tail cap slot for optional lanyard or s-biner. extremely lightweight, super tough nylon construction, limited lifetime warranty



Body Color	Order No.	Regular Price	SALE
Hi Vis Green	KN0160101	47.34	<b>33.64</b>
Orange	KN0160102	47.34	<b>33.64</b>

2744

**Disposal Medical 3-Ply Face Mask**

- Comfortable and breathable, soft & skin friendly
- Plane ear hook
- Size 6.88 inch x 3.75 inch
- Includes adjustable nose bridge strip
- Bacterial filtration rate ≥ 95%
- FDA approved medical
- 50 per box, priced each



Order No.	Regular Price	SALE
MA2650000	1.34	<b>0.91</b>

PRICE PER EACH MASK

29357



**Right Choice™**

**the Right Choice for YOU!**

**Right Choice® Paper Towels**

- Great value and performance and meets EPA guidelines for recycled fiber content
- Embossing enhances better hand feel and improves absorbency
- Smaller footage fits more dispensers, taking up less storage
- Popular in education, industrial and food service markets
- Fits in universal dispensers

**SAVE 40%**



Type	Width	Length	Ply	Color	Number Per Case	Number of Sheets	Order No.	Regular Price	SALE
Hardwound Roll	7.875"	350'	1	White	12 Rolls	-	RC0110100	88.53	<b>50.34</b>
Hardwound Roll	7.875"	350'	1	Natural	12 Rolls	-	RC0110105	69.29	<b>39.41</b>
Hardwound Roll	7.875"	800'	1	White	6 Rolls	-	RC0110110	94.55	<b>53.77</b>
Hardwound Roll	7.875"	800'	1	Natural	6 Rolls	-	RC0110115	77.26	<b>43.94</b>
Hardwound Roll	7.875"	700'	1	White	6 Rolls	-	RC0110120	86.75	<b>49.33</b>
Hardwound Roll	7.875"	700'	1	Natural	6 Rolls	-	RC0110125	66.91	<b>38.05</b>
Kitchen Roll	11"	8"	2	White	12 Rolls	250 RL	RC0110130	78.47	<b>44.63</b>
Kitchen Roll	11"	7.8"	2	White	30 Rolls	85 RL	RC0110135	80.67	<b>45.87</b>
Center Pull	10"	7.3"	2	White	6 Rolls	600 RL	RC0110140	80.09	<b>45.54</b>
C-Fold	10"	11.42"	1	White	10 pks	200 PK	RC0110145	67.83	<b>38.57</b>
Multi-Fold	9"	9.45"	1	White	16 pks	250 PK	RC0110150	87.34	<b>49.67</b>
Multi-Fold	9"	9.45"	1	Natural	16 pks	250 PK	RC0110155	62.18	<b>35.36</b>
Single Fold	9"	9.45"	1	White	16 pks	250 PK	RC0110160	68.11	<b>38.74</b>

28724

**Right Choice® 2-Ply Bath Tissue**

- Individually wrapped
- Ideal for tight spaces and small use requirements
- 2-Ply embossing provides superior softness and absorbency
- Fits in universal dispensers

**SAVE 40%**



Style	Width	Diameter	Core Diameter	Number of Plies	Roll Length	Sheets per Roll	Number of Rolls	Order No.	Regular Price	SALE
Standard	4"	4.25"	1.75"	2	100'	400	96	RC0110165	138.64	<b>78.84</b>
Standard	4.5"	4"	1.5"	2	145.8'	500	96	RC0110170	174.87	<b>99.44</b>
Jumbo	3.25"	8"	3.5"	2	700'	-	12	RC0110180	74.66	<b>42.46</b>
Jumbo	3.3"	8.75"	3.25"	2	1000'	-	12	RC0110175	100.11	<b>56.93</b>

28724

**Right Choice® Facial Tissue**

- Right Choice™ Facial Tissues offer quality, softness and performance
- Provides excellent value and good quality
- Controlled one-at-a-time dispensing
- Flat box fits on counters and in-wall dispenser
- Chlorine free

**SAVE 40%**



Sheet Size	Ply	Sheets per Package	Color	Order No.	Regular Price	SALE
7.25" x 8.5"	2	100	White	RC0110185	94.66	<b>53.82</b>

28733



- RIGHT PRODUCTS. ✓**
- RIGHT QUALITY. ✓**
- RIGHT VALUE. ✓**
- RIGHT CHOICE. ✓**

### WEILER Upright Brooms

- Fiber brooms are for rough surfaces and corn brooms are for smooth
- Both can be used in wet or dry applications



Trim Length	Bristle Material	Order No.	Regular Price	SALE
7 1/2"	Plastic	LD5344305	22.80	12.65
10"	Palmyra	LD5344007	45.38	25.18
15"	Corn Fiber	LD5344009	28.36	15.75
18"	Corn Fiber	LD5344008	25.72	14.27

3218

### WEILER Coarse Sweeping

- Non-absorbent - oil resistant - wash easily
- Wet or dry sweeping
- Lacquered hardwood block
- Two threaded handle holes



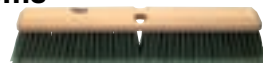
Overall Length	Trim Length	Bristle Material	Order No.	Regular Price	SALE
18"	3 1/4"	Synthetic Fill/Oil Resistant	LD5325238	22.58	12.53
24"	3 1/4"	Synthetic Fill/Oil Resistant	LD5325239	33.17	18.42
24"	3"	Tampico Fiber	LD5342135	57.74	32.04

3209

Handles Sold Separately

### WEILER Perma Sweep™ Brooms

- These rugged Perma-Sweeps™ have 2-3 times the life of ordinary sweeps
- Tough synthetic block will not split, crack, or warp
- The synthetic fill is chemical and solvent resistant
- Wet or dry application



Overall Length	Style	Bristle Color	Trim Length	Push Broom Head			Push Broom Head with Handle		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
18"	Fine	Green	3"	LD5342163	27.86	15.46	LD53GR18H	36.74	20.40
18"	Heavy	Maroon	3"	LD5342167	27.86	15.46	LD53MA18H	46.63	25.88
18"	Medium	Yellow	3"	LD5342165	27.86	15.46	LD53YE18H	36.74	20.40
24"	Fine	Green	3"	LD5342164	38.66	21.45	LD53GR24H	43.05	23.89
24"	Heavy	Maroon	3"	LD5342168	38.66	21.45	LD53MA24H	36.74	20.40
24"	Medium	Yellow	3"	LD5342166	38.66	21.45	LD53YE24H	46.63	25.88

3215

### WEILER Floor Brush Handles

- Lacquered hardwood
- Standard threads



Length	Tip Material	Order No.	Regular Price	SALE
5 feet	Wood	LD5344018	11.20	6.21
5 feet	Steel	LD5344300	12.00	6.67
5 feet	Vinyl	LD5344301	13.46	7.47

3211

### WEILER Industrial Scrub Brushes



Overall Length	Bristle Size	Bristle Material	Order No.	Regular Price	SALE
8"	2"	Tampico	LD5025262	7.66	4.72
20"	2"	Tampico	LD5025263	10.92	6.73

3213

### WEILER Fine Sweeping

- Lacquered hardwood block
- Two threaded handle hold
- For sweeping smooth surfaces, tile, wood, linoleum and smooth concrete



Overall Length	Trim Length	Bristle Material	Order No.	Regular Price	SALE
24"	3"	Tampico Fiber	LD5342002	75.34	41.81
24"	3"	Synthetic	LD5342042	38.58	21.41

3222

Handles Sold Separately

### WEILER Truck Wash Brush

- Protective bumper
- Foam block
- Two handle holes (one for tapered handles, the other for threaded or fountain tube)
- Handles NOT included, order handles separately



Brush Length	Brush Width	Bristle Size	Bristle Material	Order No.	Regular Price	SALE
9 1/2"	2 3/4"	3"	Polystyrene	LD5344510	33.36	18.52

3220

### WEILER Garage Brush

- Stiff Palmyra fiber is highly recommended for wet or dry sweeping on rough concrete or wood floors
- Lacquered hardwood block
- Two threaded handle holes



Overall Length	Trim Length	Bristle Material	Order No.	Regular Price	SALE
24"	4"	Palmyra	LD5342023	31.74	17.61

3212

Handles Sold Separately

### WEILER Counter Dusters

- Tampico and synthetic dusters are 8" long with 2-1/2" fill in a wood block
- Orange duster is 9" long with 2-1/2" fill in a durable structural plastic block



Style	Bristle Size	Bristle Color	Overall Length	Order No.	Regular Price	SALE
General Purpose	2 1/2"	Black	8"	LD5325251	13.82	7.67
Oil Resistant Water Resistant Hand	2 1/2"	Black	8"	LD5325252	11.01	6.11
Oil Resistant Water Resistant	2 1/2"	Orange	9"	LD5342213	14.80	8.22

3210

## FABRIC Canvas Tool Buckets

### 5109SLR

- Load rated: 150-pounds (68 kg)
- Web strap extends down the side of the bucket
- Heavy duty plastic bottom with drain holes

### 5104S

- Load rated for 100-pounds (45.4 kg)
- Web handle extends down the sides of the bucket for added strength
- Made of heavy-duty No. 4 canvas
- High-density polyethylene top ring for strength and chemical resistance
- Leather reinforced bottom
- Inside pocket measures 8-Inch x 8-Inch (203 x 203 mm)

### 5104FR

- Made of flame-resistant No. 4 canvas
- Load rated for 100-pounds (45 kg)
- Durable leather-reinforced handle extends down the sides of the bucket for added strength
- Stitched and riveted with a double-reinforced bottom for durability
- Meets the performance requirement of NFPA -701

### 5104CLRFR

- Made of flame-resistant No. 4 canvas
- Extended canvas top zips closed for overhead lifting
- Load rated for 100-pounds (45 kg)
- Stitched and riveted with a double-reinforced bottom for durability
- Drop-forged steel locking carabiner for added safety
- Meets the performance requirement of NFPA -701

### 5104CLR22

- Load rated 150-pounds (68 kg)
- Top of bucket zips closed
- 14-inch (356 mm) diameter accommodates standard 5-gallon (18.93 L) bucket
- Body constructed of heavy-duty No. 1 canvas
- Web strap extends down the side of the bucket
- Leather reinforced bottom extends 3-Inch (76 mm) up the side
- Durable steel rim



KP6012865  
KP6012855



KP6012840



KP6012850  
KP6012845

Width	Length	Height	Color	ManufacturerNo	Order No.	Regular Price	SALE
12"	15"	15"	Natural	5109SLR	KP6012865	122.96	87.12
12"	17"	17"	Natural	5104S	KP6012855	186.67	132.27
12"	17"	17"	Black	5104FR	KP6012850	217.06	153.81
12"	17"	17"	Black	5104CLRFR	KP6012845	303.61	215.14
14"	22"	22"	Off-White	5104CLR22	KP6012840	279.23	197.87

28934

## FABRIC Tradesman Pro™ Backpack

- 39 different-sized pockets for tools, parts and gear
- Reflective shoulder straps with extra padding and handle
- Tall interior pockets for long screwdrivers
- Upper pockets holds safety glasses, cell phones, etc
- Zipper pocket for small parts and tools
- Exterior tape thong and tape measure holder
- Fully-molded bottom protects from the elements



Number of Pockets	Width	Length	Height	Color	ManufacturerNo	Order No.	Regular Price	SALE
39	7"	14 1/2"	20"	Black, Reflective Gray, Green Accents	55597	KP6012785	269.43	190.91
39	7"	14 1/2"	20"	Camo	55421BP14CAMO	KP6012910	246.10	174.38

28930

## FABRIC Tradesman Pro™ Tool Master Rolling Tool Bag

- Rugged 8-Inch (203.2 mm) wheels provide high clearance to easily roll over rough terrain
- Hard top allows for stacking materials on top
- Load tested up to 250-Pounds (113 kg)
- Twist-lock Klein LED Light (55437) or Wireless Speaker (AEPJS1) on front mount (items sold separately)
- Heavy-duty telescoping handle
- Exterior webbing and D-rings allow for bungee cord attachment and other add-ons
- Metal latches keep lid closed
- Double lock hasp on hard top
- Water Resistant
- Total of 19 interior and exterior pockets for maximum tool storage



Number of Pockets	Length	Width	ManufacturerNo	Order No.	Regular Price	SALE
19	21-51/64"	15-13/32"	55473RTB	KP6013135	538.89	381.86

28981

## FABRIC Tradesman Pro™ Tech Bag

- Separate compartment keeps laptop protected from other tools
- Storage for adapters and cables
- Zipper pocket for files and paperwork
- Organizer pocket for pens, phone, cables, and more
- 22 pockets for tons of tool storage
- Orange interior to find tools faster
- Protective guards and water resistant material on bottom protects from the elements



Number of Pockets	Width	Length	Height	Color	ManufacturerNo	Order No.	Regular Price	SALE
22	6-1/2"	19"	16"	Black/Orange	55455M	KP6012925	223.67	158.50

28942

## PRM PRO Cargo Tool Bags with Zip Closure

- Top opening reinforced with metal
- Pop open design, 4 exterior pockets, 2 side strapping for levels, 8 interior pockets and large compartment for tools and parts
- Padded handle and shoulder strap made from heavy duty water repellent polyester



Length	Width	Height	Order No.	Regular Price	SALE
18"	9"	11"	LC707697	49.11	30.25
24"	9"	12"	LC707699	54.74	33.72

5487

## STANLEY 4 Drawer Tool Chest & Roller Cabinet Combo

- 50 lb. Full-Extension Ball-Bearing Drawer Slides for smooth operation and ease of use
- 4" x 2" Casters Support 500 lbs.; two lock and swivel
- Gas Struts Support the Chest Lid to easily open and close
- Keyed Internal Locking System safeguards tools
- Recessed Side Handles on tool chest allow for easy lifting
- Non-Slip Open Weave Top Mat protects the cabinet surface
- Middle Chest Adds Storage between the tool chest and rolling cabinet
- Full-Width Black Steel Drawer Trim can be opened anywhere along the drawer
- Each unit sold separately



Tool Cabinet												
Number of Drawers	Drawer Type	Height	Width	Depth	Color	Drawers Sizes	Caster Diameter	Load Capacity	ManufacturerNo	Order No.	Regular Price	SALE
4	Ball Bearing	32"	26.5"	18"	Black	(1) 22.125x16.5x4.125, (3) 22.125x16.5x6.375	4"	500 lbs	ST-ST22742BK	KP438042	486.71	369.02

29387

## STANLEY Fatmax® Open Mouth Tool Bag

- Central zipper allows for quick access and maximum visibility to contents when opened
- Injected polypropylene hard base extends life of bag by strengthening base and makes bag bottom water-resistant
- Rubber grip handle and padded shoulder strap for extra comfort
- Multiple easy access pockets and compartments for maximum organization



Height	Width	Length	Model No	Order No.	Regular Price	SALE
12"	10 3/8"	19"	518150M	KP438038	88.21	66.88

29405



**PROTO** All Purpose Polyester Zipper Tool Bags

- One piece construction of water resistant polyester
- Heavy-duty zipper
- Ideal for storing pliers, wrenches, screwdrivers and other small tools and instruments



Height	Width	Model No	Order No.	Regular Price	SALE
7"	12"	J95305	KP4292240	13.31	<b>10.08</b>

5493

**PROTO** 20" General Purpose Tool Box

**Double Latch**

- Height: 9-1/2"
- Depth: 8-1/2"
- Removable tote tray



ManufacturerNo	Order No.	Regular Price	SALE
J9975-NA	KP4295010	93.36	<b>70.78</b>

24512

**CRESCENT**  
**JOBBOX Heavy-Duty Chest**

The toughest chests in the world. Designed for premium access, weather resistance, and security, the JOBBOX chest yields a plethora of features including four-way skid bolsters, and a visual, three-point locking system. Need help with organization? Check out JOBBOX's chest accessories including divider kits and removable trays.



- Grip-Rite™ Lifting Channel
- Site-Vault™ Security System
- Fully Welded Padlock Locking
- EZ-Loader® Skid Bolsters
- Recessed Handles
- Welded Corner Gussets Reinforce Body
- 1" Locking Arms
- Full-Length "A-Frame" Lid Bolster
- Staked and Welded Hinge
- 7-Gauge, One-Piece Bolsters Resist Damage When Dropped

Width	Height	Depth	ManufacturerNo	Order No.	Regular Price	SALE
24"	27-3/4"	48"	1-654990	KN6110095	1525.28	<b>1084.20</b>
60"	27-3/4"	24"	1-655990D	KN6110096	1846.06	<b>1312.21</b>

22556

**Ships FOB from stocking location**

**White Supplies Last**

**PRM PRO** Economy Shelf Bins

for 12", 18" & 24" Deep Shelving or Automated Storage & Retrieval Units

- Molded of durable industrial grade polymers years of service
- Special built-in hanglock allows easy access to the entire bin
- Wide label holder molded in
- Available in: (B) blue, (R) red, (S) stone, (Y) yellow - specify bin color when ordering
- Purolator dimensional weight shipping rates apply

**Optional Shelf Bin Dividers**Sold in package quantity of 24 only

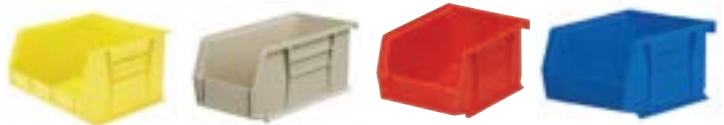
Outside Length	Outside Width	Outside Height	Inside Length	Inside Width	Inside Height	Standard Pack	Use Dividers	Yellow			Red			Blue		
								Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
11 5/8"	2 3/4"	4"	10 1/4"	1 5/8"	4"	24	-	SD5030110Y	5.35	<b>3.04</b>	SD5030110R	5.35	<b>3.04</b>	SD5030110B	5.35	<b>3.04</b>
11 5/8"	4 1/8"	4"	10 1/4"	3"	4"	24	SD50-40120	SD5030120Y	6.07	<b>3.44</b>	SD5030120R	6.07	<b>3.44</b>	SD5030120B	6.07	<b>3.44</b>
11 5/8"	6 5/8"	4"	10 1/4"	5 1/2"	4"	12	SD50-40130	SD5030130Y	9.29	<b>5.27</b>	SD5030130R	9.29	<b>5.27</b>	SD5030130B	9.29	<b>5.27</b>
17 7/8"	6 5/8"	4"	16 1/2"	5 1/2"	4"	12	SD50-40130	SD5030138Y	11.56	<b>6.57</b>	SD5030138R	11.56	<b>6.57</b>	SD5030138B	11.56	<b>6.57</b>
17 7/8"	8 3/8"	4"	16 1/2"	7 1/8"	4"	12	SD50-40150	SD5030158Y	15.81	<b>8.99</b>	SD5030158R	15.81	<b>8.99</b>	SD5030158B	15.81	<b>8.99</b>

5245

**PRM PRO** Storage Bins

**AkroBins Industrial Grade Polymers Storage Bins That Hang or Stack**

- AkroBins hang securely from louvered panels
- Extra-wide stacking ledge assures secure stacking
- Anti-slide stop prevents loaded bins from shifting forward when stacked
- Large label slot for clear identification
- Reinforced ribs prevent bins from spreading when loaded
- Finger grips allow easy handling
- Available in: Blue, Red, Stone, Yellow.



Outside Length	Outside Width	Outside Height	Inside Length	Inside Width	Inside Height	Standard Pack	Use Dividers	Yellow			Stone			Red			Blue		
								Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
5 3/8"	4 1/8"	3"	4 3/4"	3 7/16"	2 13/16"	24	SD50-40210	SD5030210Y	3.40	<b>1.93</b>	SD5030210S	3.40	<b>1.93</b>	SD5030210R	3.40	<b>1.93</b>	SD5030210B	3.40	<b>1.93</b>
7 3/8"	4 1/8"	3"	6 3/4"	3 7/16"	2 13/16"	24	SD50-40220	SD5030220Y	6.30	<b>3.58</b>	SD5030220S	6.30	<b>3.58</b>	SD5030220R	6.30	<b>3.58</b>	SD5030220B	6.30	<b>3.58</b>
10 7/8"	5 1/2"	5"	10 1/4"	4 3/8"	4 3/4"	12	SD50-40230	SD5030230Y	15.32	<b>8.70</b>	SD5030230S	15.32	<b>8.70</b>	SD5030230R	15.32	<b>8.70</b>	SD5030230B	15.32	<b>8.70</b>
10 7/8"	11"	5"	10 1/4"	10"	4 3/4"	6	SD50-40230	SD5030235Y	23.62	<b>13.42</b>	SD5030235S	23.62	<b>13.42</b>	SD5030235R	23.62	<b>13.42</b>	SD5030235B	23.62	<b>13.42</b>
10 3/4"	8 1/4"	7"	10"	6 9/16"	6 3/4"	6	SD50-40239	SD5030239Y	25.33	<b>14.40</b>	SD5030239S	25.33	<b>14.40</b>	SD5030239R	25.33	<b>14.40</b>	SD5030239B	25.33	<b>14.40</b>
14 3/4"	8 1/4"	7"	14"	6 9/16"	6 3/4"	12	SD50-40245	SD5030240Y	29.99	<b>17.04</b>	SD5030240S	29.99	<b>17.04</b>	SD5030240R	29.99	<b>17.04</b>	SD5030240B	29.99	<b>17.04</b>
14 3/4"	16 1/2"	7"	14"	14 3/4"	6 3/4"	6	SD50-40245	SD5030250Y	42.24	<b>24.02</b>	SD5030250S	42.24	<b>24.02</b>	SD5030250R	42.24	<b>24.02</b>	SD5030250B	42.24	<b>24.02</b>
18"	8 1/4"	9"	17 1/8"	6 1/2"	8 1/4"	6	SD50-40265	SD5030265Y	50.34	<b>28.63</b>	SD5030265S	50.34	<b>28.63</b>	SD5030265R	50.34	<b>28.63</b>	SD5030265B	50.34	<b>28.63</b>
18"	16 1/2"	11"	17 1/8"	14 7/8"	10 1/2"	3	SD50-40270	SD5030270Y	76.02	<b>43.22</b>	SD5030270S	76.02	<b>43.22</b>	SD5030270R	76.02	<b>43.22</b>	SD5030270B	76.02	<b>43.22</b>

72

**DURHAM MFG** Horizontal Cylinder Storage Cabinets

- Horizontal cabinets will accept (4) 20 lb. and 33-1/2 lb. LPG cylinders
- Cylinder cradles securely hold propane tanks in place
- Expanded metal sides, back and door, for visibility of contents. 1-1/2" x 1/8" angle iron frame
- DANGER FLAMMABLE MATERIALS signs on each door
- In full compliance with OSHA and NFPA standards when used properly
- Shipped fully assembled



Width	Depth	Height	Number of Shelves	Weight	Order No.	Regular Price	SALE
29 3/4"	30"	34 7/8"	2	133 lbs	SB55EGCC450	1251.02	<b>823.38</b>
29 3/4"	30"	71 3/4"	4	203 lbs	SB55EGCC850	1757.97	<b>1157.03</b>

**Ships By Common Carrier from Manufacturer**

5276

**DURHAM MFG** Sturdy All Steel Parts Bin

- Easy parts access
- Hemmed and ribbed dividers
- Finished in durable gray powder/paint
- No sharp edges
- 1-1/8" Wide label holders
- Large capacity - all units are 12" deep and all bin openings are 11-7/8" deep.



Number of Bins	Width	Depth	Height	Weight	Order No.	Regular Price	SALE
24	33 3/4"	12"	23 7/8"	50 lbs	SB5524B	314.01	<b>206.67</b>
40	33 3/4"	12"	23 7/8"	50 lbs	SB5540B	359.18	<b>236.40</b>
42	33 3/4"	12"	42"	71 lbs	SB5542B	517.30	<b>340.46</b>
56	33 3/4"	12"	42"	75 lbs	SB5556B	557.55	<b>366.95</b>
72	33 3/4"	12"	42"	80 lbs	SB5572B	555.04	<b>365.30</b>

**Ship FOB Factory**

5291

**PRM PRO** Standard & Combination Storage Cabinets

- These units are general purpose storage cabinets that provide a level of quality you won't find elsewhere
- Provides secure storage for office supplies, books, records, small parts, tools, etc
- Offers 5 openings with 4 adjustable shelves, a chrome handle with 2 keys and a 2-point locking system for extra security
- 200 lbs capacity per shelf



Number of Shelves	Style	Color	Width	Depth	Height	Weight	Order No.	Regular Price	SALE
7	Knocked-Down	Med Gray	36"	18"	72"	112.0 lbs	RV8260000	2048.19	<b>1164.72</b>
5	Knocked-Down	Med Gray	36"	18"	72"	113.0 lbs	RV8260015	1953.24	<b>1110.72</b>
5	Knocked-Down	Med Gray	36"	24"	72"	136.0 lbs	RV8260025	2227.07	<b>1266.43</b>
5	Welded Set Up	Med Gray	36"	18"	72"	121.0 lbs	RV8260030	2150.39	<b>1222.83</b>

**\* Ships by common carrier**

5482

## PRM PRO Multi-Purpose Utility Cart

- Polyethylene shelves and legs
- Shelves reinforced with aluminum bars
- Scratch, dent, stain, and rust free design
- Tub shelves are 2-3/4" deep
- Integrated molded push handle
- 4" Swivel casters with stability locks (on 2 of the 4 casters)
- Capacity 400 lbs.
- Color: black
- Limited lifetime warranty
- Ships Purolator at dimensional rate



Width	Length	Height	Order No.	Regular Price	SALE
32"	37 1/4"	24"	SA7010075	367.27	<b>226.25</b>

24315

## PRM PRO Drum Dolly-Non-Marring Caster Wheels

- For 55 Gal drums
- Wheels are designed to protect floor from marring or scratching



For Use With	Drum Capacity	Order No.	Regular Price	SALE
55 Gallon Drums	1,500 lbs	PRO5D-LO55M	296.74	<b>210.92</b>

Ships FOB mfg. warehouse or DC.30841

## Self-Dumping Hopper 1.1 Cubic Yd- with Caster Base

- Designed specifically to allow one operator to easily move up to 1000 lb.
- Fits through most office and warehouse doors; 32" wide
- Easily maneuverable by operator to open space for forklift to take over
- Tilts 40°, simple pull release safety hatch for easy dumping
- Automatically returns to upright position
- Comes with all-welded tubular frame and fork pockets.
- Sturdy designed blow molded hopper.
- Smooth rolling with 6" mold-on rubber wheels
- Available in black and red. Other colors available upon request.



Load Capacity	Overall Length	Overall Width	Overall Height	Color	Volume Capacity	Order No.	Regular Price	SALE
1000 lbs	73"	33"	54"	Black	1.1 Cubic Yard	BH-0211CB	2814.00	<b>2334.96</b>
1000 lbs	73"	33"	54"	Red	1.1 Cubic Yard	BH-0211CR	2898.42	<b>2334.96</b>

Ships FOB mfg. warehouse or DC.

29989

## KENNEDY Ultimate Organizer

- High impact polystyrene
- Color: black
- Two trays per package, 10 compartments per tray
- Tray size: 16"W x 11"D x 1-1/4"H



Order No.	Regular Price	SALE
RX5582223	80.23	<b>57.02</b>

5435

## RAPIDHOLD CNC Tool Carts

- Solid side panel construction
- Durable nylon inserts
- Baked on epoxy finish
- 4" x 1-1/2" casters rated at 1,000 lbs (2 swivel & 2 locking)
- 30"L x 15"W x 35"H



Taper Size	Tool Capacity	Weight	Order No.	Regular Price	SALE
40	24	52 lbs	RX8076302	595.57	<b>388.39</b>
50	15	52 lbs	RX8076304	649.16	<b>423.33</b>
HSK 63A	24	52 lbs	RX8076306	745.26	<b>486.00</b>

5508

## Vertil Hoppers

### Standard Features:

- Includes front bumper release for easy hopper dumping
- Includes manual pull-cable to dump from seat of forklift
- Hopper returns to upright position automatically after dumping
- Each fork pocket is 7-1/2"W x 2-1/2"H useable
- Safety strap to secure hopper to forklift
- Full-length fork tubes
- Precision robotic welded steel construction
- Durable powder coat blue finish



6,000 lbs					
Overall Width	Overall Height	Overall Length	Fork Pocket Center	Order No.	Regular Price SALE
41-9/16"	42-3/4"	61-1/8"	18"	RV54D100HD	2424.94 <b>1953.53</b>
56 1/4"	52-1/2"	69"	28"	RV54D200HD	3230.87 <b>2602.78</b>
81 3/4"	50 3/4"	69"	28"	RV54D300HD	4510.47 <b>3633.61</b>

2,000 lbs					
Overall Width	Overall Height	Overall Length	Fork Pocket Center	Order No.	Regular Price SALE
41 1/4"	42-3/4"	61"	18"	RV54D100LD	1990.15 <b>1603.26</b>
56-11/16"	51-13/16"	68-5/16"	28"	RV54D200LD	2516.05 <b>2026.92</b>

4,000 lbs					
Overall Width	Overall Height	Overall Length	Fork Pocket Center	Order No.	Regular Price SALE
41 1/4"	42-3/4"	69"	18"	RV54D100MD	2209.66 <b>1780.30</b>
56 1/4"	52-1/2"	69"	28"	RV54D200MD	2674.80 <b>2154.81</b>

Ship FOB factory

5577

## Vertil Drum Bung Nut Wrenches

- Open and close drum bungs or plugs for optimal results
- Multi-purpose features are ideal for maximum efficiency
- Unit is universal meaning it fits all types of drum plugs and bungs
- Durable wrenches will eliminate the need for extra tools



Material	Style	Order No.	Regular Price	SALE
Cast Aluminium	Non-Sparking	RV54BNWA	24.82	<b>19.99</b>
Cast Steel	Standard	RV54BNWIXW	46.90	<b>37.78</b>

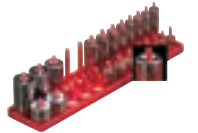
†Available while supplies last

5564

## Socket Trays

### Trays designed to help you work faster

- Sizes are marked on posts for instant identification
- Tough ABS plastic resists gas, oil and abuse
- Edge tangs for easy handling



Red, Imperial				
Drive	Socket Size	Order No.	Regular Price	SALE
1/2"	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4"	RX801201	19.48	<b>12.71</b>
1/4"	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8"	RX801401	17.98	<b>10.95</b>
3/8"	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	RX803801	17.98	<b>10.95</b>

Gray, Metric				
Drive	Socket Size	Order No.	Regular Price	SALE
1/2"	10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm, 20 mm, 21 mm, 22 mm, 23 mm, 24 mm, 25 mm, 27 mm	RX801202	19.48	<b>12.71</b>
1/4"	4 mm, 4.5 mm, 5 mm, 5.5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm	RX801402	17.98	<b>10.95</b>
3/8"	6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm, 20 mm	RX803802	17.98	<b>10.95</b>

5344

## **SPONSOR** Heavy-Duty Tool Trolley

- 300 lbs seating capacity
- 18" seating height
- 1" chrome finished tubular steel constructed frame
- 3" industrial grade hard floor casters, 2 with brakes
- Comfortable 16" x 16" x 3-1/2" thick vinyl fabric over foam seat
- Contoured 12" x 6" x 2-1/2" thick vinyl over foam back
- 12" x 18" x 1-3/4" heavy-duty stamped steel tool tray



29436

Model No	Order No.	Regular Price	SALE
JFC1010	KP4270210	407.35	<b>308.85</b>

## **Lisle** Low Profile Plastic Creepers

### Features and Benefits:

- Low profile, 7/8" floor clearance
- Surface is resistant to solvents, greases and fuels
- This has a unique design that is body-fitting to provide comfort for the user
- 2" Longer for a better fit
- The urethane rollers are inserted into the creeper body for ease of use
- Dimensions: 38"L x 17-1/2"W x 4"H



Color	Order No.	Regular Price	SALE
Red	KN6592102	202.51	<b>143.95</b>
Yellow	KN6593102	202.51	<b>143.95</b>
Blue	KN6594102	202.51	<b>143.95</b>

5441

## **STANLEY** 2 Pk. 2 Way Adjustable Saw Horse

- Holds 1000 lbs. capacity per pair
- 2 ways adjustable, folding saw horse
- Smooth slide mechanism for width adjustment
- Anti-slip rubber on feet and top for safety
- Innovative ergonomic mechanism for height adjustment



Height	Width	Overall Length	Model No.	Order No.	Regular Price	SALE
31"	2 7/8"	28 1/8"	STST60626	KP438112	196.85	<b>149.25</b>

5545

## **PRM PRO** Foreman's Closed Style Desk

- 14 Gauge corner posts and heavy steel construction assures long life
- Large storage area with 3-point locking system boasts two shelves for storing tools and other supplies
- Compartmentalized riser is perfect for storing writing utensils, forms and papers
- Drawer and cabinet come with individual locks and keys
- Large sloping surface leaves plenty of room for paperwork and supplies
- Assembly required



Height	Depth	Width	Color	Order No.	Regular Price	SALE
53"	29"	34 1/2"	Gray	RV8266055	3211.08	<b>1521.68</b>

24299

Ships by common carrier F.O.B.

## **National Public SEATING Corp.** Heavy Duty Stools

### Specifications:

- 7/8" OD- 18 gauge steel
- 6300 Series - square seat for more room; masonite board recessed into pad of seat
- 6400 Series - 14" round seat, vinyl padded seat and back rest
- 6200 Series - available with optional back rest or can be bought as a stool



Description	Weight	Order No.	Regular Price	SALE
19-27" Adjustable Stool with Backrest	17.0 lbs	RZ406218HB	220.83	<b>146.51</b>
24" Stool with Hardboard Seat	9.0 lbs	RZ406224	120.08	<b>79.67</b>
25-33" Adjustable Stool with Backrest	21.0 lbs	RZ406224HB	229.11	<b>152.01</b>
30" Stool with Hardboard Seat	10.0 lbs	RZ406230	147.68	<b>97.98</b>
19-27" Adjustable Square Stool with Backrest	18.4 lbs	RZ406318HB	276.04	<b>183.13</b>
25-33" Adjustable Square Stool with Backrest	19.5 lbs	RZ406324HB	295.36	<b>195.95</b>
19-27" Adjustable Padded Seat with Backrest	18.0 lbs	RZ406418HB	242.92	<b>161.16</b>
25-33" Adjustable Padded Seat with Backrest	19.0 lbs	RZ406424HB	253.96	<b>168.48</b>

Purolator dimensional weight shipping rates may apply

5459

## **PRM PRO** Swivel Tractor Seat

- Air cylinder for easy height adjustment
- Five 3-1/2" heavy duty, chrome finished casters with rubber tread for ease of mobility
- Large, reinforced 17" diameter 1" deep tool tray
- Seat width 16"
- Limited lifetime warranty
- Ships Purolator



Height	Order No.	Regular Price	SALE
18"-22"	RZ454000	355.60	<b>168.52</b>

5484

## **PRM PRO** Heavy Duty Stool with Back Rest

- Red frame / black seat
- Thick big vinyl cushioned 14" seat
- Stool capacity 300 lbs.
- Multiple adjustable backrest
- Powder coated paint
- Ships Purolator



Height	Order No.	Regular Price	SALE
31"	RZ451000	361.61	<b>171.36</b>

29385

## **PRM PRO** Heavy Duty Adjustable Stool

- Black frame / red seat
- Cushioned 14" seat red seat with square foot rest
- Stool capacity 300 lbs.
- Air-cylinder adjustable seat, 5" estimate of height differential
- Round foot rest
- Powder coated paint
- Ships Purolator



Adjustable Height	Order No.	Regular Price	SALE
26"-31"	RZ451005	286.60	<b>135.81</b>

29386

## RAPIDHOLD Low Profile Drill Press Vises

- Designed for dilling, tapping and reaming operations
- Base has four 1/2" shoulder slots for quick, easy positioning on drill press tables
- Moveable jaw is flat and the fixed jaw has a vertical and horizontal v-groove cut
- Replaceable jaws



Jaw Width	Jaw Opening Capacity	Jaw Height	Weight	Order No.	Regular Price	SALE
3"	3"	1 1/8"	10 lbs	HT968461	57.46	35.69
4"	4"	1 1/2"	15 lbs	HT968462	78.55	48.79
6"	6"	2"	34 lbs	HT968464	178.76	111.02
8"	8"	2"	54 lbs	HT968465	276.46	171.70

F.O.B. Warren, MI

1550

## Starrett Little Giant Jack Screw Set

### S190 Model

- Level work on plainer bed, drill press, mills ext.
- 1,000 Lb. capacity
- 20 Pitch screw for fine adjustment
- Complete with all accessories



Order No.	Regular Price	SALE
MV7050680	104.00	97.18

5071

## IRWIN QUICKGRIP One Handed Bar Clamps/Spreaders

- Quick change jaw quickly converts from clamp to spreader and requires no tools
- Non marring pads grip firmly and protect work
- Ideal for clamping/gluing, holding work for sawing/drilling, and positioning work fastening
- Mini-Clamp is 25% smaller than Quick-Change for working in confined spaces



Maximum Opening	Throat Depth	Reach	Order No.	Regular Price	SALE
6"	3 1/4"	7 1/2"-20 5/8"	KX5000546	25.65	18.75
6"	3 1/4"	7 1/2"-14 5/8"	KX50506QC	44.48	32.49
12"	3 1/4"	7 1/2"-26 5/8"	KX50512QC	51.66	37.74
18"	3 1/4"	7 1/2"-32 5/8"	KX50518QC	57.88	42.28
24"	3 1/4"	7 1/2"-44 5/8"	KX50524QC	63.40	46.32
36"	3 1/4"	7 1/2"-58 5/8"	KX50536QC	75.15	54.88

† Mini Bar Clamp

23449

## MILLERBITE ID Expansion™ Clamps

The ID Xpansion™ Clamp is the ideal way to hold multiple parts on an inside diameter for machining on your VMC or HMC. These machineable clamps are produced in 10 sizes and can hold internal diameters from .160 to 4.050.

- Low profile
- Ideal for secondary operations on lathe parts
- Easily machined to size on lathe or mill
- Excellent for palletized setups
- Allows more parts per workcube or fixture plates
- Clamp body made of mild steel for machineability
- Tighten with hex key or hydraulic pull cylinders



Model No	Overall Height	Flange Thickness	Minimum Diameter	Thread Size	Holding Force	Order No.	Regular Price	SALE
31000	0.420"	0.120"	0.160"	#2-56	250 lbs	SG7031000	55.34	46.51
31050	0.860"	0.230"	0.280"	#8-32	950 lbs	SG7031050	55.34	44.27
31100	0.980"	0.230"	0.480"	1/4"-20	1,900 lbs	SG7031100	55.34	46.51
31150	0.980"	0.230"	0.530"	5/16"-18	2,500 lbs	SG7031150	58.92	49.53
31200	1.130"	0.250"	0.710"	3/8"-16	4,500 lbs	SG7031200	76.58	64.36
31250	1.250"	0.250"	0.900"	1/2"-13	5,900 lbs	SG7031250	94.44	79.39
31300	1.560"	0.310"	1.150"	5/8"-11	10,000 lbs	SG7031300	121.08	101.77
31350	1.560"	0.310"	1.150"	5/8"-11	10,000 lbs	SG7031350	132.85	111.66
31400	1.790"	0.310"	1.150"	5/8"-11	10,000 lbs	SG7031400	211.21	177.53
31450	1.790"	0.310"	1.150"	5/8"-11	10,000 lbs	SG7031450	259.17	217.83

22364

## WON High Visibility Safety Clamps

- Drop forged
- Powder coat, scratch and rust resistant
- V-Groove anvil holds rounds securely
- Perma-Pad®, exclusive field replaceable design
- Lifetime warranty



Order No.	Regular Price	SALE
HZ41404SF	76.13	63.93
HZ41406SF	116.18	97.71
HZ41408SF	145.03	121.84
HZ41410SF	199.47	167.69
HZ41412SF	322.97	271.45

25547

## TCC Machinist Clamp Kit with 1" Thick Step Blocks

### 52 Piece Kit Contains:

- 4 Coupling Nuts
- 6 Flange Nuts
- 6 T-Slot Nuts
- 1 T-Slot Cleaner
- 24 Studs - 4 each: 3, 4, 5, 6, 7 and 8" long
- 6 Step Blocks
- 6 Serrated End Clamps
- 1 Holder

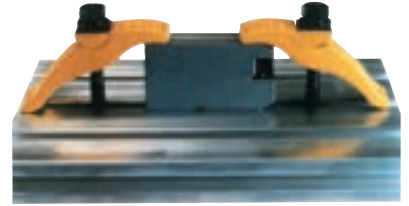


Stud Size	Order No.	Regular Price	SALE
1/2"-13	SG5020402	437.52	303.83

25218

## Rite Hite Self Positioning Hold Down Clamps

- Use on any machine with a T slot
- Instant adjustment up to 5"
- Assorted stud sizes 3/8" to 1"
- Swivel rocker attached to base



Thread Size	Length	Width	Thickness	Maximum Height	Clamp Force	Holding Capacity	Weight	Order No.	Regular Price	SALE
1"	11 1/8"	2 7/8"	3 5/16"	5"	-	65,000 lbs	12.00 lbs	SG751000L	172.93	137.71
1"	9"	2 7/8"	3 5/16"	3"	-	8,000 lbs	10.00 lbs	SG751001S	171.29	136.40
3/8"	3 1/2"	1 1/8"	1 3/32"	1 1/4"	-	10,000 lbs	0.50 lbs	SG75375L	40.25	32.04
3/8"	3"	1 1/8"	1 3/32"	1"	-	14,000 lbs	0.50 lbs	SG75376S	39.02	31.08
1/2"	5 3/4"	1 7/16"	1 13/32"	2 1/2"	-	12,800 lbs	1.40 lbs	SG75500L	53.83	36.98
1/2"	4 1/4"	1 3/8"	1 13/32"	1 3/4"	-	16,800 lbs	1.00 lbs	SG75501S	45.17	35.97
5/8"	6 3/4"	1 7/8"	1 1/2"	3 1/2"	-	18,000 lbs	2.50 lbs	SG75625L	66.49	49.02
5/8"	5 1/2"	1 7/8"	1 1/2"	2 3/4"	-	24,000 lbs	2.00 lbs	SG75626S	60.15	47.89
3/4"	9"	2 1/8"	2 3/8"	5"	-	24,000 lbs	4.75 lbs	SG75750L	95.21	75.82
3/4"	7"	2.00"	2 3/8"	3 1/2"	-	35,000 lbs	4.00 lbs	SG75751S	93.69	74.60

22786

## Rare Earth Pot Magnets

The ultimate magnet that combines strength, and reach out, through air gaps in the smallest possible package

- Neodymium-Iron-Boron core
- Brass separator encased in a precision ground steel cup



Diameter	Thread Size	Thickness	Maximum Holding Capacity	Style	Order No.	Regular Price	SALE
3/8"	#8-32	1/2"	5 lbs	Two-Pole	NE7010400	19.81	15.56
1/2"	#10-24	1/2"	10 lbs	Two-Pole	NE7010405	21.57	16.95
3/4"	#10-24	1/2"	20 lbs	Two-Pole	NE7010410	29.37	23.06
1"	1/4"-20	1/2"	30 lbs	Two-Pole	NE7010415	41.06	32.23
1 1/4"	5/16"-18	1/2"	40 lbs	Two-Pole	NE7010425	57.04	44.81

23795

## DAREX V390 Drill Sharpener

Affordable, convenient & easy to use - ideal for facilities where people of various skill levels need to be able to sharpen drills. **Specifications:**

- Motor: 15 Volt, 4.5 Amps, 1/4 HP, 60hz, 3450 RPM
- Shipping weight: 25 lbs.

**Features:**

- Sharpens most drill bits in less than 60 seconds
- Sharpens 1/8" - 3/4" drill bits; HSS, cobalt, TiN coated, split point
- Attaches to your vacuum system
- Choose point angle from 118° - 140°
- Grinding wheel sharpens drills 2,000 times before replacement
- 3 Year Warranty



Order No.	Regular Price	SALE
PM70V390	2343.58	1988.97

F.O.B. Ashland, OR • Not CSA Approved

23049

## PRM PRO LED Industrial Work Light

- Light output: 540 total lumens
- No heat high intensity spot light
- High output energy efficient 9W LED
- Two 8.7" arms w/shade and transformer
- IP 65 - dustproof, waterproof up to moderate jets
- AC/DC 24V



Order No.	Regular Price	SALE
KE75JWL5514L	292.88	197.31

2945

## ACER 6" x 18" Ball Way Manual Surface Grinder

**Standard Equipment:**

- Auto Lubrication
- Halogen Work Light
- Diamond Dresser
- Tool Box, and Complete Instruction & Parts Manual
- Electro Magnetic Chuck & Control Included

**Machine Specs:**

- Table Size: 6" x 18"
- Spindle Speed (RPM): 3450
- Maximum Grinder Wheel Size: 8" x 1/2" x 1-1/4"
- Spindle Motor: 2HP, 3PH, 220/460V
- Crossfeed: .0005, Downfeed: .0001
- Cross Transverse Travel: 6-1/8"
- Longitudinal Table Travel: 19"
- Maximum Grinding Width: 6-5/8"
- Maximum Grinding Length: 19"
- Rigid Cast Iron Base
- Weight: 1870 lbs
- 1 Year Warranty



Model No	Order No.	Regular Price	SALE
S618II	RA60S618II	13180.91	11522.08
S618II440	RA60S618II440	13180.91	11522.08

F.O.B. Orange, CA • Ships by truck

5640

## Permanent Surface Grinder Chucks

- Dual Neodymium (Rare Earth) magnetic system: Nominal holding force: 100 N/cm<sup>2</sup> - 145lbs/in<sup>2</sup>
- Min. workpiece size: 4 x 4 x 1 mm - .157 x .157 x .039 in.
- Regrinding limit: 7 mm - .275 in.
- Solid top plate with Transverse poles
- Pole Division: 1.4mm (.055 in) steel and 0.5mm (.019 in) brass
- Ideal for precise grinding of small and thin pieces, can also be used for large pieces
- Waterproof can be used with coolant or immersed in dielectric liquid (EDM applications)
- The upper top plate composed of brass and steel lamellae ensures high stability, accuracy, and efficiency of clamping
- One (1) year warranty for the magnetic system
- **Includes:** Set of Clamps, Allen Key, Rear and Side Stop Blocks & Instructions for use



Width	Length	Height	Order No.	Regular Price	SALE
5.91"	12"	2"	MP015260	1904.68	1664.97
6"	18"	2"	MP015290	2259.39	1975.04
8"	18"	2"	MP015310	3306.96	2890.77
7.87"	24"	2"	MP015330	3853.52	3368.55
11.81"	24"	2.20"	MP015360	5787.18	5058.85

Other sizes available - call for price and delivery

30151

## ER Collet Sets

- In Wooden Tray



Shank Type	Quantity	Diameter Range	Order No.	Regular Price	SALE
ER8	9	1 mm - 5 mm	GM70701198	419.58	289.56
ER11	7	1/32" - 1/4"	GM70701199	285.70	197.17
ER11	13	1 mm - 7 mm	GM70701200	524.48	361.95
ER16	10	1/32" - 3/8"	GM70701699	408.54	281.94
ER16	10	1 mm - 10 mm	GM70701700	390.60	269.56
ER20	12	1/16" - 1/2"	GM70702199	509.29	351.47
ER20	12	2 mm - 13 mm	GM70702200	534.14	368.62
ER25	15	5/32" - 5/8"	GM70702599	719.08	496.25
ER25	15	2 mm - 16 mm	GM70702600	681.82	470.54
ER32	18	7/32" - 3/4"	GM70703999	808.80	558.17
ER32	18	3 mm - 20 mm	GM70704000	808.80	558.17
ER40	13	1/8" - 1"	GM70704999	648.69	447.68
ER40	23	4 mm - 26 mm	GM70705000	1145.57	790.58
ER50	17	6 mm - 34 mm	GM70706000	1618.97	1117.28

25243

## NEWALL DP700 3 Axis Milling Digital Readout Packages

The DP700 is the latest in Newall's line of a powerful and intuitive DROs. The unit is housed in a rugged, ergonomically designed casting. The DRO features all of the essential functions for milling, boring, turning, grinding, and general machining operations. DP700 Milling Packages Include: DP700 DRO Display, Encoder Assemblies, Spherosyn, Reader Heads, Spherosyn Scales, Scale Mounting Brackets, Mounting Bracket Kit, Display Mounting Arm

### DP700 Features:

- 5 Year Warranty, 3 Year No-Fault Warranty
- IP67 rating (NEMA Type 6) Fully submersible Spherosyn scales, Withstands dust, dirt, oil and other harsh environmental conditions
- Feed Rate Display
- Bolt Hole Circle Routine
- Line Hole Routine
- Arc Contouring
- Programmable Memory/Teach
- Polar Coordinates
- Line Hole Calculator
- Tool Offsets
- Taper Calculations
- RS232 Output
- Part numbers with Q 3rd Axis scale on Quill, Part numbers with K 3rd Axis scale on the Knee



Knee					
X-Axis Stage Travel	Y-Axis Stage Travel	Z-Axis Stage Travel	Order No.	Regular Price	SALE
12"	24"	16"	MS33DP70031K16	3708.60	3071.24
12"	30"	16"	MS33DP70032K16	3708.60	3071.24
12"	36"	16"	MS33DP70033K16	3708.60	3071.24
16"	30"	16"	MS33DP70034K16	3708.60	3071.24
16"	36"	16"	MS33DP70035K16	3708.60	3071.24
16"	40"	16"	MS33DP70036K16	3708.60	3071.24
12"	38"	16"	MS33DP70027K16	3708.60	3071.24

Quill					
X-Axis Stage Travel	Y-Axis Stage Travel	Z-Axis Stage Travel	Order No.	Regular Price	SALE
12"	24"	6"	MS33DP70031Q06	3708.60	3071.24
12"	30"	6"	MS33DP70032Q06	3708.60	3071.24
12"	36"	6"	MS33DP70033Q06	3708.60	3071.24
16"	30"	6"	MS33DP70034Q06	3708.60	3071.24
16"	36"	6"	MS33DP70035Q06	3708.60	3071.24
12"	38"	6"	MS33DP70027Q06	3708.60	3071.24
16"	40"	6"	MS33DP70036Q06	3708.60	3071.24

24051

**PRM CHECK 1/8" Steel Parallel Set**

**10 Pair Set**

- 1/8 x 1/2 to 1/8 x 1-5/8"
- Made of high grade alloy steel, hardened and ground from 1/8" stock
- Two holes in each parallel
- Accuracy: ±.0002" parallelism in height
- ±.001" to size in height



Order No.	Regular Price	SALE
NM55TPS11	114.80	<b>71.29</b>

4357

**FR BALACLAVA GRAY**

- This fire-resistant balaclava is designed for maximum comfort and all-day wear.
- Two-layer Kermel-viscose blend.
- Fire Resistant material that is launderable.
- NFPA 70E compliant and CAT2; Ebt 16 cal/cm2.



Type	Color	Fits Hat Size	Material	Order No.	Regular Price	SALE
Balaclava	Grey	One Size	FR SOFT FABRIC	SG0290000	37.75	<b>24.13</b>

30862

**PRM PRO Cloth Wipers**

- Recycled wiper cloths
- Made from cloth and flannel products
- White & color fabric



Description	25			50		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Pure White T-Shirt Wipers New lint free absorbent material	LM581010025	178.94	<b>110.24</b>	LM581010050	357.90	<b>220.48</b>
Colored t-shirt wipers soft, absorbent, for polishing and wiping	LM582020225	68.84	<b>40.70</b>	LM582020250	132.14	<b>78.02</b>
Flannel wipers soft, absorbent shirt/pajama material 100% cotton	LM582020425	86.27	<b>53.15</b>	LM582020450	185.30	<b>114.15</b>
Colored sweat shirt wipers soft, absorbent, for polishing and wiping	LM582020625	62.40	<b>38.44</b>	LM582020650	121.16	<b>74.64</b>
Cotton terrycloth wipers absorbent reclaimed remnants assorted color/sizes	LM582020825	99.11	<b>61.05</b>	LM582020850	198.23	<b>122.11</b>
White reclaimed t-shirt wipers authentic non-synthetic material	LM582030525	89.95	<b>55.41</b>	LM582030550	179.91	<b>110.83</b>

2933

Prices Effective January 1st through March 31st, 2023

Not all items exactly as pictured. Not responsible for typographical errors. We reserve the right to limit quantities. Items available while supplies last.