

**ShrinkFit Tooling
MEGA SALE!!!**

rineck
• Werkzeugtechnik



Made in Germany

Over 2,500 tools available!

Inch

BT40
CAT40 & CAT50
HSK-A40, 63 & 100
HSK-E40 & HSK-E50
HSK-F63
HSK-F80 (Makino MAG)
PSC-50 & 63
Straight Shank

**All Tools
On SALE!**

Metric

BT30, 40 & 50
CAT40 & CAT50
DIN-SK30, 40 & 50
HSK-A32, 40, 50, 63, 80, 100
HSK-E20, 25, 32, 40, 50, 63
HSK-F63
HSK-F80 (Makino MAG)
PSC-40, 50 & 63
ER Collet
Straight Shank



Scan QR Code to access all Rineck Catalogues
or visit: www.tysontool.com/ecat-rineck.htm

Your tool not listed? Call for Promo Pricing

Special Pricing Valid Until Dec. 29th 2023

RINECK Induktherm Rapid Shrink

Induction Shrink Technology in a few easy steps

Perfect shrinkage technology
and ergonomic design



Made in Germany

All units certified to CDN
600V Electrical Standards



rapid shrink II VCS

+ elevator cool technology

Stand Alone Shrink Unit
with Cooling System

Coolant Units

- Heating times between
3 to 9 seconds
- Cooling times between
15 to 50 seconds
- Tools automatically
move up/down
into coolant tank

- 10kW / 600V Shrink Unit
- Suitable for Carbide and HSS tools
- Simple to operate and self contained
- Reliable and robust for years of operation
- Certified to CDN 600V Electrical Standards
- Also available as 480V for USA standard

Includes Adapters for:

- BT40, BT50
- CAT40, CAT50
- HSK-A63, HSK-A100
- PSC63

Capacity:

- Carbide 1/8" - 1.1/4"
3mm - 32mm
- HSS 1/4" - 1.1/4"
6mm - 32mm



Scan QR Code for Shrink Unit Brochure
or visit: tysonstool.com/ecat-induktherm.htm



rapid shrink II VCS

Table Top Shrink Unit



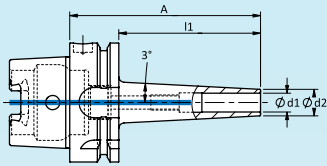
Induktherm rapid shrink II VC

Performance	10kw
Measurements (MM)	W 680 x D 520 x H1600
Weight	130 kg
Power supply	600 volt
max. chuck length	400mm
Carbide-Shafts	Ø 3-32mm / 1/8" - 1.1/4"
HSS-Shafts	Ø 6-32mm / 1/4" - 1.1/4"

HSK-A63 ShrinkFit INCH

Series- 925Z

HSK-A63 ShrinkFit Chuck
Extra Slim Execution 3°



Product Order Number	d1	d2	A	l1	SPECIAL
925Z-A63-1/8-1.97	1/8	.28	2.99	1.97	286.79
925Z-A63-1/8-2.95			3.98	2.95	286.79
925Z-A63-1/8-3.94			4.96	3.94	302.72
925Z-A63-1/8-5.91			6.93	5.91	414.25
925Z-A63-3/16-1.97	3/16	.35	2.99	1.97	286.79
925Z-A63-3/16-2.95			3.98	2.95	286.79
925Z-A63-3/16-3.94			4.96	3.94	302.72
925Z-A63-3/16-5.91			6.93	5.91	414.25
925Z-A63-1/4-1.97	1/4	.39	2.99	1.97	246.95
925Z-A63-1/4-2.95			3.98	2.95	246.95
925Z-A63-1/4-3.94			4.96	3.94	262.89
925Z-A63-1/4-5.91			6.93	5.91	374.42
925Z-A63-1/4-7.87	5/16	.47	8.90	7.87	454.08
925Z-A63-5/16-1.97			2.99	1.97	246.95
925Z-A63-5/16-2.95			3.98	2.95	246.95
925Z-A63-5/16-3.94			4.96	3.94	262.89
925Z-A63-5/16-5.91	3/8	.55	6.93	5.91	374.42
925Z-A63-5/16-7.87			8.90	7.87	454.08
925Z-A63-3/8-1.97			2.99	1.97	246.95
925Z-A63-3/8-2.95			3.98	2.95	246.95
925Z-A63-3/8-3.94	7/16	.87	4.96	3.94	262.89
925Z-A63-3/8-5.91			6.93	5.91	374.42
925Z-A63-3/8-7.87			8.90	7.87	454.08

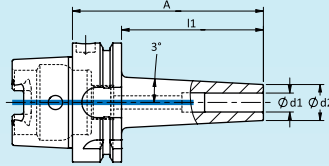
Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	15.95	952-A32	52.22
HSK-A40	951-A40	15.95	952-A40	52.22
HSK-A50	951-A50	16.95	952-A50	52.22
HSK-A63	951-A63	17.95	952-A63	54.39
HSK-A80	951-A80	18.95	952-A80	71.79
HSK-A100	951-A100	19.95	952-A100	67.44

HSK-A63 ShrinkFit INCH

Series- 915Z

HSK-A63 ShrinkFit Chuck
Slim Execution 3°

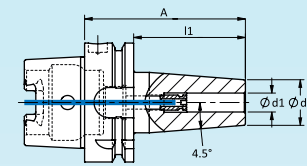


Product Order Number	d1	d2	A	l1	SPECIAL
915Z-A63-1/8-2.95	1/8	.43	3.98	2.95	254.93
915Z-A63-1/8-3.94			4.96	3.94	270.86
915Z-A63-1/8-5.91			6.93	5.91	366.45
915Z-A63-1/8-7.87			8.90	7.87	446.12
915Z-A63-3/16-2.95	3/16	.51	3.98	2.95	254.93
915Z-A63-3/16-3.94			4.96	3.94	270.86
915Z-A63-3/16-5.91			6.93	5.91	366.45
915Z-A63-3/16-7.87			8.90	7.87	446.12
915Z-A63-1/4-2.95	1/4	.59	3.98	2.95	215.09
915Z-A63-1/4-3.94			4.96	3.94	226.25
915Z-A63-1/4-5.91			6.93	5.91	326.62
915Z-A63-1/4-7.87			8.90	7.87	406.28
915Z-A63-1/4-9.84	5/16	.67	10.87	9.84	462.05
915Z-A63-1/4-11.81			12.83	11.81	541.71
915Z-A63-5/16-2.95			3.98	2.95	215.09
915Z-A63-5/16-3.94			4.96	3.94	226.25
915Z-A63-5/16-5.91	3/8	.75	6.93	5.91	326.62
915Z-A63-5/16-7.87			8.90	7.87	406.28
915Z-A63-5/16-9.84			10.87	9.84	462.05
915Z-A63-5/16-11.81			12.83	11.81	541.71
915Z-A63-3/8-2.95	7/16	.87	3.98	2.95	215.09
915Z-A63-3/8-3.94			4.96	3.94	226.25
915Z-A63-3/8-5.91			6.93	5.91	326.62
915Z-A63-3/8-7.87			8.90	7.87	406.28
915Z-A63-3/8-9.84	1/2	.87	10.87	9.84	462.05
915Z-A63-3/8-11.81			12.83	11.81	541.71
915Z-A63-7/16-2.95			3.98	2.95	215.09
915Z-A63-7/16-3.94			4.96	3.94	226.25
915Z-A63-7/16-5.91	1 1/4	1.73	6.93	5.91	326.62
915Z-A63-7/16-7.87			8.90	7.87	406.28
915Z-A63-1/2-2.95			3.98	2.95	215.09
915Z-A63-1/2-3.94			4.96	3.94	226.25
915Z-A63-1/2-5.91	1 1/2	2.13	6.93	5.91	326.62
915Z-A63-1/2-7.87			8.90	7.87	406.28

HSK-A63 ShrinkFit INCH

Series- 985Z

HSK-A63 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw



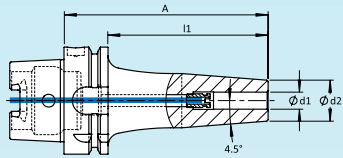
Product Order Number	d1	d2	A	l1	SPECIAL
985Z-A63-1/8-A3.15	1/8	.43	3.15	2.13	246.95
985Z-A63-1/8-A4.72			4.72	3.70	270.86
985Z-A63-3/16-A3.15	3/16	.55	3.15	2.13	246.95
985Z-A63-3/16-A4.72			4.72	3.70	270.86
985Z-A63-1/4-A3.15	1/4	.83	3.15	2.13	207.13
985Z-A63-1/4-A4.72			4.72	3.70	226.25
985Z-A63-1/4-A5.12			5.12	4.09	240.14
985Z-A63-1/4-A6.30			6.30	5.28	310.69
985Z-A63-5/16-A3.15	5/16	.83	3.15	2.13	207.13
985Z-A63-5/16-A4.72			4.72	3.70	226.25
985Z-A63-5/16-A5.12			5.12	4.09	240.14
985Z-A63-5/16-A6.30			6.30	5.28	310.69
985Z-A63-3/8-A3.35	3/8	.94	3.35	2.32	207.13
985Z-A63-3/8-A4.72			4.72	3.70	226.25
985Z-A63-3/8-A5.12			5.12	4.09	240.14
985Z-A63-3/8-A6.30			6.30	5.28	310.69
985Z-A63-1/2-A3.54	1/2	.94	3.54	2.52	207.13
985Z-A63-1/2-A4.72			4.72	3.70	226.25
985Z-A63-1/2-A5.12			5.12	4.09	240.14
985Z-A63-1/2-A6.30			6.30	5.28	310.69
985Z-A63-5/8-A3.74	5/8	1.06	3.74	2.72	207.13
985Z-A63-5/8-A4.72			4.72	3.70	226.25
985Z-A63-5/8-A5.12			5.12	4.09	240.14
985Z-A63-5/8-A6.30			6.30	5.28	310.69
985Z-A63-3/4-A3.94	3/4	1.30	3.94	2.91	215.09
985Z-A63-3/4-A4.72			4.72	3.70	226.25
985Z-A63-3/4-A5.12			5.12	4.09	240.14
985Z-A63-3/4-A6.30			6.30	5.28	310.69
985Z-A63-1-A4.53	1	1.73	4.53	3.50	226.25
985Z-A63-1-A6.30			6.30	5.28	310.69
985Z-A63-1-A7.87			7.87	6.85	366.45
985Z-A63-1.1/4-A4.72	1.1/4	1.73	4.72	3.70	226.25
985Z-A63-1.1/4-A6.30			6.30	5.28	310.69

240 Metric and 150 Inch HSK-A63 ShrinkFit Tools Available

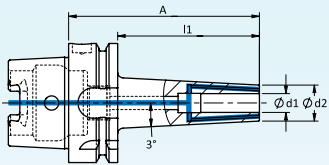
HSK-A63 ShrinkFit INCH

Series- 984Z

HSK-A63 ShrinkFit Chuck.
Standard Execution 4.5°
Tapered Extension
w/ Large Rad. Design
For Enhanced Rigidity



Product Order Number	d1	d2	A	l1	SPECIAL
984Z-A63-1/4-A6.30	1/4	.83	6.30	5.28	310.69
984Z-A63-1/4-A7.87			7.87	6.85	366.45
984Z-A63-5/16-A6.30	5/16	.83	6.30	5.28	310.69
984Z-A63-5/16-A7.87			7.87	6.85	366.45
984Z-A63-3/8-A6.30	3/8	.94	6.30	5.28	310.69
984Z-A63-3/8-A7.87			7.87	6.85	366.45
984Z-A63-1/2-A6.30	1/2	.94	6.30	5.28	310.69
984Z-A63-1/2-A7.87			7.87	6.85	366.45
984Z-A63-5/8-A6.30	5/8	1.06	6.30	5.28	310.69
984Z-A63-5/8-A7.87			7.87	6.85	366.45
984Z-A63-3/4-A6.30	3/4	1.30	6.30	5.28	310.69
984Z-A63-3/4-A7.87			7.87	6.85	366.45



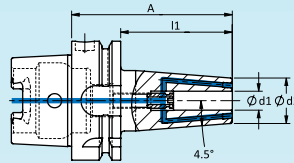
HSK-A63 ShrinkFit Chuck
Slim Execution 3°
w/3 Cooling Jets Ø 1mm
Series- 996Z

Product Order Number	d1	d2	A	l1	SPECIAL
996Z-A63-1/8-2.95	1/8	.43	3.98	2.95	350.52
996Z-A63-1/8-3.94			4.96	3.94	366.45
996Z-A63-3/16-2.95	3/16	.51	3.98	2.95	350.52
996Z-A63-3/16-3.94			4.96	3.94	366.45
996Z-A63-1/4-2.95	1/4	.59	3.98	2.95	302.72
996Z-A63-1/4-3.94			4.96	3.94	318.65
996Z-A63-1/4-5.91			6.93	5.91	422.21
996Z-A63-5/16-1.97	5/16	.67	2.99	1.97	302.72
996Z-A63-5/16-2.95			3.98	2.95	302.72
996Z-A63-5/16-3.94			4.96	3.94	318.65
996Z-A63-5/16-5.91	3/8	.75	6.93	5.91	422.21
996Z-A63-3/8-1.97			2.99	1.97	302.72
996Z-A63-3/8-2.95			3.98	2.95	302.72
996Z-A63-3/8-3.94	7/16	.87	4.96	3.94	318.65
996Z-A63-3/8-5.91			6.93	5.91	422.21
996Z-A63-7/16-1.97			2.99	1.97	302.72
996Z-A63-7/16-2.95	7/16	.87	3.98	2.95	302.72
996Z-A63-7/16-3.94			4.96	3.94	318.65
996Z-A63-7/16-5.91			6.93	5.91	422.21

HSK-A63 ShrinkFit INCH

Series- 995Z

HSK-A63 ShrinkFit Chuck
Standard Execution 4.5°
w/Closable Cooling Jets
w/Length Adjusting Screw



Product Order Number	d1	d2	A	l1	SPECIAL
995Z-A63-1/8-A3.15	1/8	.43	3.15	2.13	294.76
995Z-A63-1/8-A4.72			4.72	3.70	318.65
995Z-A63-3/16-A3.15	3/16	.55	3.15	2.13	294.76
995Z-A63-3/16-A4.72			4.72	3.70	318.65
995Z-A63-1/4-A3.15	1/4	.83	3.15	2.13	254.93
995Z-A63-1/4-A4.72			4.72	3.70	274.04
995Z-A63-1/4-A5.12			5.12	4.09	287.94
995Z-A63-1/4-A6.30			6.30	5.28	358.49
995Z-A63-5/16-A3.15	5/16	.83	3.15	2.13	254.93
995Z-A63-5/16-A4.72			4.72	3.70	274.04
995Z-A63-5/16-A5.12			5.12	4.09	287.94
995Z-A63-5/16-A6.30	3/8	.94	6.30	5.28	358.49
995Z-A63-3/8-A3.35			3.35	2.32	254.93
995Z-A63-3/8-A4.72			4.72	3.70	274.04
995Z-A63-3/8-A5.12	1/2	.94	5.12	4.09	287.94
995Z-A63-3/8-A6.30			6.30	5.28	358.49
995Z-A63-1/2-A3.54			3.54	2.52	254.93
995Z-A63-1/2-A4.72	5/8	1.06	4.72	3.70	274.04
995Z-A63-1/2-A5.12			5.12	4.09	287.94
995Z-A63-1/2-A6.30			6.30	5.28	358.49
995Z-A63-5/8-A3.74	3/4	1.30	3.74	2.72	254.93
995Z-A63-5/8-A4.72			4.72	3.70	274.04
995Z-A63-5/8-A5.12			5.12	4.09	287.94
995Z-A63-5/8-A6.30	1	1.73	6.30	5.28	358.49
995Z-A63-3/4-A3.94			3.94	2.91	254.93
995Z-A63-3/4-A4.72			4.72	3.70	274.04
995Z-A63-3/4-A5.12	995Z-A63-1-A4.53		5.12	4.09	287.94
995Z-A63-3/4-A6.30			6.30	5.28	358.49
995Z-A63-1-A4.53			4.53	3.50	288.38

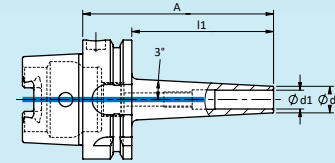
Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	15.95	952-A32	52.22
HSK-A40	951-A40	15.95	952-A40	52.22
HSK-A50	951-A50	16.95	952-A50	52.22
HSK-A63	951-A63	17.95	952-A63	54.39
HSK-A80	951-A80	18.95	952-A80	71.79
HSK-A100	951-A100	19.95	952-A100	67.44

HSK-A63 ShrinkFit METRIC

Series- 925

HSK-A63 ShrinkFit Chuck
Extra Slim Execution 3°

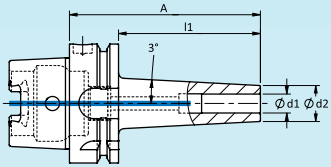


Product Order Number	d1	d2	A	l1	SPECIAL
925-A630350	3	7	76	50	286.79
925-A630375			101	75	286.79
925-A6303100			126	100	302.72
925-A6303150	4	8	176	150	414.25
925-A630450			76	50	286.79
925-A630475			101	75	286.79
925-A6304100			126	100	302.72
925-A6304150	6	10	176	150	414.25
925-A630650			76	50	246.95
925-A630675			101	75	246.95
925-A6306100			126	100	262.89
925-A6306125			151	125	350.52
925-A6306150	8	12	176	150	374.42
925-A6306200			226	200	454.08
925-A6306250			276	250	525.78
925-A6306300	10	14	326	300	605.44
925-A630850			76	50	246.95
925-A630875			101	75	246.95
925-A6308100			126	100	262.89
925-A6308150	12	16	176	150	374.42
925-A6308200			226	200	454.08
925-A6308250			276	250	525.78
925-A6308300	14	18	326	300	605.44
925-A631050			76	50	246.95
925-A631075			101	75	246.95
925-A6310100	16	20	126	100	262.89
925-A6310150			176	150	374.42
925-A6310200			226	200	454.08
925-A6310250	18	22	276	250	525.78
925-A6310300			326	300	605.44
925-A631275			101	75	246.95
925-A6312100	20	24	126	100	262.89
925-A6312150			176	150	374.42
925-A6312200			226	200	454.08

HSK-A63 ShrinkFit METRIC

Series- 915

HSK-A63 ShrinkFit Chuck Slim Execution 3°



Product Order Number	d1	d2	A	l1	SPECIAL
915-A630350	3	11	76	50	246.95
915-A630375			101	75	254.93
915-A6303100			126	100	270.86
915-A6303150			176	150	366.45
915-A6303200			226	200	446.12
915-A6303300			326	300	581.54
915-A630450	4	11	76	50	246.95
915-A630475			101	75	254.93
915-A6304100			126	100	270.86
915-A6304150			176	150	366.45
915-A6304200			226	200	446.12
915-A6304300			326	300	581.54
915-A630550	5	13	76	50	246.95
915-A630575			101	75	254.93
915-A6305100			126	100	270.86
915-A6305150			176	150	366.45
915-A6305200			226	200	446.12
915-A630650	6	15	76	50	207.13
915-A630675			101	75	215.09
915-A6306100			126	100	226.25
915-A6306125			151	125	302.72
915-A6306150			176	150	326.62
915-A6306175			201	175	366.45
915-A6306200			226	200	406.28
915-A6306250			276	250	462.05
915-A6306300			326	300	541.71
915-A6306350			376	350	661.21
915-A630850	8	17	76	50	207.13
915-A630875			101	75	215.09
915-A6308100			126	100	226.25
915-A6308125			151	125	302.72
915-A6308150			176	150	326.62
915-A6308175			201	175	366.45
915-A6308200			226	200	406.28
915-A6308250			276	250	462.05
915-A6308300			326	300	541.71
915-A6308350			376	350	661.21

Series- 915 ...continued

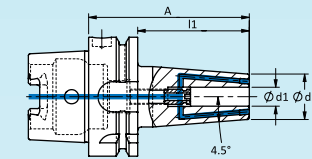
HSK-A63 ShrinkFit Chuck Slim Execution 3°

Product Order Number	d1	d2	A	l1	SPECIAL
915-A631050	10	19	76	50	207.13
915-A631075			101	75	215.09
915-A6310100			126	100	226.25
915-A6310125			151	125	302.72
915-A6310150			176	150	326.62
915-A6310175			201	175	366.45
915-A6310200			226	200	406.28
915-A6310250			276	250	462.05
915-A6310300	12	22	326	300	541.71
915-A6310350			376	350	661.21
915-A631250			76	50	207.13
915-A631275			101	75	215.09
915-A6312100			126	100	226.25
915-A6312125			151	125	302.72
915-A6312150			176	150	326.62
915-A6312175			201	175	366.45
915-A6312200			226	200	406.28
915-A6312250			276	250	462.05
915-A6312300	14	24	326	300	541.71
915-A6312350			376	350	661.21
915-A631450			76	50	238.99
915-A6314100			126	100	262.89
915-A6314150			176	150	326.62
915-A6314200			226	200	406.28
915-A6314250			276	250	462.05
915-A6314300			326	300	541.71
915-A6314350	16	27	376	350	661.21
915-A631660			86	60	215.09
915-A631675			101	75	215.09
915-A6316100			126	100	226.25
915-A6316150			176	150	326.62
915-A6316200			226	200	406.28
915-A6316250			276	250	462.05
915-A6316300			326	300	541.71
915-A6316350	18	30	376	350	661.21
915-A631865			91	65	246.95
915-A6318100			126	100	262.89
915-A632065			91	65	215.09
915-A632075			101	75	215.09
915-A6320100			126	100	226.25
915-A6320125			151	125	302.72
915-A6320150			176	150	326.62
915-A6320200	20	33	226	200	406.28
915-A6320250			276	250	462.05
915-A6320300			326	300	541.71

HSK-A63 ShrinkFit METRIC

Series- 995

HSK-A63 ShrinkFit Chuck Standard Execution 4.5° w/Closable Cooling Jets w/Length Adjusting Screw



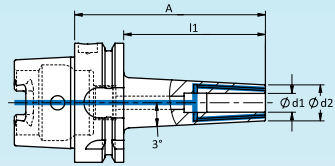
Product Order Number	d1	d2	A	l1	SPECIAL
995-A6303A80	3	11	80	54	294.76
995-A6303A120			120	94	318.65
995-A6303A160			160	134	398.32
995-A6304A80	4	14	80	54	294.76
995-A6304A120			120	94	318.65
995-A6304A160			160	134	398.32
995-A6305A80	5	16	80	54	294.76
995-A6305A120			120	94	318.65
995-A6305A160			160	134	398.32
995-A6306A80	6	21	80	54	254.93
995-A6306A120			120	94	274.04
995-A6306A160			160	134	358.49
995-A6308A80	8	21	80	54	254.93
995-A6308A120			120	94	274.04
995-A6308A160			160	134	358.49
995-A6310A85	10	24	85	59	254.93
995-A6310A120			120	94	274.04
995-A6310A160			160	134	358.49
995-A6312A90	12	24	90	64	262.89
995-A6312A120			120	94	274.04
995-A6312A160			160	134	358.49
995-A6314A90	14	27	90	64	262.89
995-A6314A120			120	94	274.04
995-A6316A95	16	27	95	69	262.89
995-A6316A120			120	94	274.04
995-A6318A95	18	33	95	69	262.89
995-A6318A120			120	94	274.04
995-A6320A100	20	33	100	74	262.89
995-A6320A120			120	94	274.04
995-A6325A115	25	44	115	89	288.38
995-A6332A120	32	44	120	94	288.38

**240 Metric and 150 Inch HSK-A63
ShrinkFit Tools Available**

HSK-A63 ShrinkFit METRIC

Series- 996

HSK-A63 ShrinkFit Chuck
Slim Execution 3°
w/3 Cooling Jets Ø 1mm

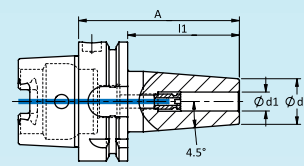


Product Order Number	d1	d2	A	l1	SPECIAL
996-A630350	3	11	76	50	342.56
996-A630375			101	75	350.52
996-A6303100			126	100	366.45
996-A630450	4	11	76	50	342.56
996-A630475			101	75	350.52
996-A6304100			126	100	366.45
996-A6304150			176	150	462.05
996-A6304200	5	13	226	200	541.71
996-A6304300			326	300	677.14
996-A630575			101	75	350.52
996-A6305100	6	15	126	100	366.45
996-A6305150			176	150	462.05
996-A630650			76	50	302.72
996-A630675	8	17	101	75	302.72
996-A6306100			126	100	318.65
996-A6306125			151	125	398.32
996-A6306150			176	150	422.21
996-A6306200	10	19	226	200	501.88
996-A630850			76	50	302.72
996-A630875			101	75	302.72
996-A6308100			126	100	318.65
996-A6308125			151	125	398.32
996-A6308150	12	22	176	150	422.21
996-A6308200			226	200	501.88
996-A631050			76	50	302.72
996-A631075			101	75	302.72
996-A6310100	13	27	126	100	318.65
996-A6310125			151	125	398.32
996-A6310150			176	150	422.21
996-A6310200			226	200	501.88
996-A631250	14	27	76	50	302.72
996-A631275			101	75	302.72
996-A6312100			126	100	318.65
996-A6312125			151	125	398.32
996-A6312150			176	150	422.21
996-A6312200	15	27	226	200	501.88

HSK-A63 ShrinkFit METRIC

Series- 985

HSK-A63 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw

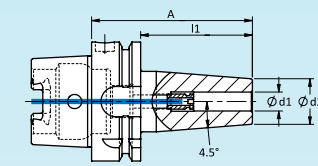


Product Order Number	d1	d2	A	l1	SPECIAL
985-A6303A80	3	11	80	54	246.95
985-A6303A120			120	94	270.86
985-A6303A160			160	134	350.52
985-A6304A80	4	14	80	54	246.95
985-A6304A120			120	94	270.86
985-A6304A160			160	134	350.52
985-A6305A80	5	16	80	54	246.95
985-A6305A120			120	94	270.86
985-A6305A160			160	134	350.52
985-A6306A70	6	21	70	44	207.13
985-A6306A80			80	54	207.13
985-A6306A120			120	94	226.25
985-A6306A160			160	134	310.69
985-A6306A200	7	21	200	174	366.45
985-A6307A80			80	54	278.82
985-A6308A70	8	21	70	44	207.13
985-A6308A80			80	54	207.13
985-A6308A120			120	94	226.25
985-A6308A160			160	134	310.69
985-A6308A200	9	24	200	174	366.45
985-A6309A85			85	59	278.82
985-A6310A70			70	44	207.13
985-A6310A85	10	24	85	59	207.13
985-A6310A120			120	94	226.25
985-A6310A160			160	134	310.69
985-A6310A200			200	174	366.45
985-A6311A90	11	24	90	64	278.82
985-A6312A70			70	44	207.13
985-A6312A90			90	64	207.13
985-A6312A120			120	94	226.25
985-A6312A160	12	24	160	134	310.69
985-A6312A200			200	174	366.45
985-A6313A90	13	27	90	64	278.82

HSK-A63 ShrinkFit METRIC

Series- 985

HSK-A63 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw



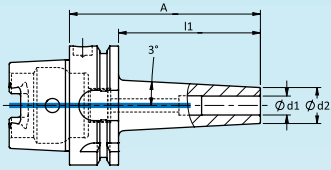
Product Order Number	d1	d2	A	l1	SPECIAL
985-A6314A75	14	27	75	49	207.13
985-A6314A90			90	64	207.13
985-A6314A120			120	94	226.25
985-A6314A160			160	134	310.69
985-A6315A95	15	27	95	69	278.82
985-A6316A75	16	27	75	49	207.13
985-A6316A95			95	69	207.13
985-A6316A120			120	94	226.25
985-A6316A160			160	134	310.69
985-A6316A200	18	33	200	174	366.45
985-A6318A95			95	69	207.13
985-A6318A120			120	94	226.25
985-A6318A160	20	33	160	134	310.69
985-A6320A100			100	74	215.09
985-A6320A120			120	94	226.25
985-A6320A160			160	134	310.69
985-A6320A200	22	33	200	174	366.45
985-A6322A100			100	74	278.82
985-A6325A115			115	89	226.25
985-A6325A160	25	44	160	134	310.69
985-A6325A200			200	174	366.45
985-A6332A120			120	94	226.25
985-A6332A160	32	44	160	134	310.69

240 Metric and 150 Inch HSK-A63
ShrinkFit Tools Available

HSK-A100 ShrinkFit INCH

Series- 915Z

HSK-A100 ShrinkFit Chuck
Slim Execution 3°



Product Order Number	d1	d2	A	l1	SPECIAL
915Z-A100-3/16-2.95	3/16	.51	4.10	2.95	364.61
915Z-A100-3/16-3.94			5.08	3.94	389.47
915Z-A100-3/16-5.91			7.05	5.91	455.76
915Z-A100-3/16-7.87			9.02	7.87	555.20
915Z-A100-1/4-2.95	1/4	.59	4.10	2.95	339.75
915Z-A100-1/4-3.94			5.08	3.94	364.61
915Z-A100-1/4-5.91			7.05	5.91	422.61
915Z-A100-1/4-7.87			9.02	7.87	505.48
915Z-A100-5/16-2.95	5/16	.67	4.10	2.95	339.75
915Z-A100-5/16-3.94			5.08	3.94	364.61
915Z-A100-5/16-5.91			7.05	5.91	422.61
915Z-A100-5/16-7.87			9.02	7.87	505.48
915Z-A100-3/8-2.95	3/8	.75	4.10	2.95	339.75
915Z-A100-3/8-3.94			5.08	3.94	364.61
915Z-A100-3/8-5.91			7.05	5.91	422.61
915Z-A100-3/8-7.87			9.02	7.87	505.48
915Z-A100-1/2-2.95	1/2	.87	4.10	2.95	339.75
915Z-A100-1/2-3.94			5.08	3.94	364.61
915Z-A100-1/2-5.91			7.05	5.91	422.61
915Z-A100-1/2-7.87			9.02	7.87	505.48

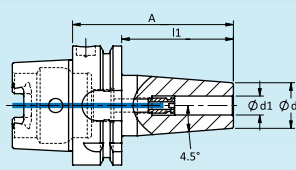
Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	15.95	952-A32	52.22
HSK-A40	951-A40	15.95	952-A40	52.22
HSK-A50	951-A50	16.95	952-A50	52.22
HSK-A63	951-A63	17.95	952-A63	54.39
HSK-A80	951-A80	18.95	952-A80	71.79
HSK-A100	951-A100	19.95	952-A100	67.44

HSK-A100 ShrinkFit INCH

Series- 985Z

HSK-A100 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw

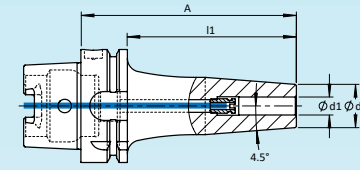


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-A100-1/4-A3.35	1/4	.83	3.35	2.20	314.89
985Z-A100-1/4-A4.72			4.72	3.58	356.32
985Z-A100-1/4-A6.30			6.30	5.16	389.47
985Z-A100-1/4-A7.87			7.87	6.73	447.47
985Z-A100-5/16-A3.35	5/16	.83	3.35	2.20	314.89
985Z-A100-5/16-A4.72			4.72	3.58	356.32
985Z-A100-5/16-A6.30			6.30	5.16	389.47
985Z-A100-5/16-A7.87			7.87	6.73	447.47
985Z-A100-3/8-A3.54	3/8	.94	3.54	2.40	314.89
985Z-A100-3/8-A4.72			4.72	3.58	356.32
985Z-A100-3/8-A6.30			6.30	5.16	389.47
985Z-A100-3/8-A7.87			7.87	6.73	447.47
985Z-A100-1/2-A3.74	1/2	.94	3.74	2.60	314.89
985Z-A100-1/2-A4.72			4.72	3.58	356.32
985Z-A100-1/2-A6.30			6.30	5.16	389.47
985Z-A100-1/2-A7.87			7.87	6.73	447.47
985Z-A100-5/8-A3.94	5/8	1.06	3.94	2.80	314.89
985Z-A100-5/8-A4.72			4.72	3.58	356.32
985Z-A100-5/8-A6.30			6.30	5.16	389.47
985Z-A100-5/8-A7.87			7.87	6.73	447.47
985Z-A100-3/4-A4.13	3/4	1.30	4.13	2.99	314.89
985Z-A100-3/4-A4.72			4.72	3.58	356.32
985Z-A100-3/4-A6.30			6.30	5.16	389.47
985Z-A100-3/4-A7.87			7.87	6.73	447.47
985Z-A100-1-A4.53	1	1.73	4.53	3.39	356.32
985Z-A100-1-A6.30			6.30	5.16	389.47
985Z-A100-1-A7.87			7.87	6.73	447.47
985Z-A100-1.1/4-A4.72	1.1/4	1.73	4.72	3.58	356.32
985Z-A100-1.1/4-A6.30			6.30	5.16	389.47

HSK-A100 ShrinkFit INCH

Series- 984Z

HSK-A100 ShrinkFit Chuck
Standard 4.5°
Tapered Extension
w/Large Rad. Design
For Enhanced Rigidity



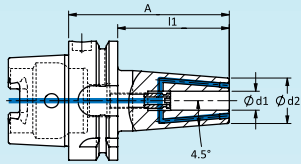
Product Order Number	d1	d2	A	l1	SPECIAL
984Z-A100-1/4-A5.12	1/4	.83	5.12	3.98	372.50
984Z-A100-1/4-A6.30			6.30	5.16	389.47
984Z-A100-1/4-A7.87			7.87	6.73	447.47
984Z-A100-1/4-A9.84			9.84	8.70	555.20
984Z-A100-5/16-A5.12	5/16	.83	5.12	3.98	372.50
984Z-A100-5/16-A6.30			6.30	5.16	389.47
984Z-A100-5/16-A7.87			7.87	6.73	447.47
984Z-A100-5/16-A9.84			9.84	8.70	555.20
984Z-A100-3/8-A5.12	3/8	.94	5.12	3.98	372.50
984Z-A100-3/8-A6.30			6.30	5.16	389.47
984Z-A100-3/8-A7.87			7.87	6.73	447.47
984Z-A100-3/8-A9.84			9.84	8.70	555.20
984Z-A100-1/2-A5.12	1/2	.94	5.12	3.98	372.50
984Z-A100-1/2-A6.30			6.30	5.16	389.47
984Z-A100-1/2-A7.87			7.87	6.73	447.47
984Z-A100-1/2-A9.84			9.84	8.70	555.20
984Z-A100-5/8-A5.12	5/8	1.06	5.12	3.98	372.50
984Z-A100-5/8-A6.30			6.30	5.16	389.47
984Z-A100-5/8-A7.87			7.87	6.73	447.47
984Z-A100-5/8-A9.84			9.84	8.70	555.20
984Z-A100-3/4-A5.12	3/4	1.30	5.12	3.98	372.50
984Z-A100-3/4-A6.30			6.30	5.16	389.47
984Z-A100-3/4-A7.87			7.87	6.73	447.47
984Z-A100-3/4-A9.84			9.84	8.70	555.20
984Z-A100-1-A5.12	1	1.73	5.12	3.98	372.50
984Z-A100-1-A6.30			6.30	5.16	389.47
984Z-A100-1-A7.87			7.87	6.73	447.47

180 Metric and 103 Inch HSK-A100 ShrinkFit Tools Available

HSK-A100 ShrinkFit INCH

Series- 995Z

HSK-A100 ShrinkFit Chuck
Standard Execution 4.5°
w/Closable Cooling Jets
and Length Adjusting Screw

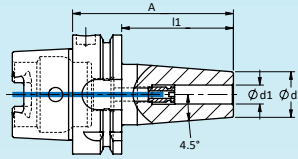


Product Order Number	d1	d2	A	l1	SPECIAL
995Z-A100-1/4-A3.35	1/4	.83	3.35	2.20	381.18
995Z-A100-1/4-A4.72			4.72	3.58	422.61
995Z-A100-1/4-A6.30			6.30	5.16	455.76
995Z-A100-1/4-A7.87			7.87	6.73	513.77
995Z-A100-5/16-A3.35	5/16	.83	3.35	2.20	381.18
995Z-A100-5/16-A4.72			4.72	3.58	422.61
995Z-A100-5/16-A6.30			6.30	5.16	455.76
995Z-A100-5/16-A7.87			7.87	6.73	513.77
995Z-A100-3/8-A3.54	3/8	.94	3.54	2.40	381.18
995Z-A100-3/8-A4.72			4.72	3.58	422.61
995Z-A100-3/8-A6.30			6.30	5.16	455.76
995Z-A100-3/8-A7.87			7.87	6.73	513.77
995Z-A100-1/2-A3.74	1/2	.94	3.74	2.60	381.18
995Z-A100-1/2-A4.72			4.72	3.58	422.61
995Z-A100-1/2-A6.30			6.30	5.16	455.76
995Z-A100-1/2-A7.87			7.87	6.73	513.77
995Z-A100-5/8-A3.94	5/8	1.06	3.94	2.80	381.18
995Z-A100-5/8-A4.72			4.72	3.58	422.61
995Z-A100-5/8-A6.30			6.30	5.16	455.76
995Z-A100-5/8-A7.87			7.87	6.73	513.77
995Z-A100-3/4-A4.13	3/4	1.30	4.13	2.99	381.18
995Z-A100-3/4-A4.72			4.72	3.58	422.61
995Z-A100-3/4-A6.30			6.30	5.16	455.76
995Z-A100-3/4-A7.87			7.87	6.73	513.77
995Z-A100-1-A4.53	1	1.73	4.53	3.39	422.61
995Z-A100-1-A6.30			6.30	5.16	455.76
995Z-A100-1-A7.87			7.87	6.73	513.77

HSK-A100 ShrinkFit METRIC

Series- 985

HSK-A100 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw

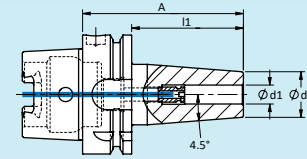


Product Order Number	d1	d2	A	l1	SPECIAL
985-A10003A120	3	11	120	91	406.04
985-A10004A85	4	14	85	56	364.61
985-A10004A120			120	91	406.04
985-A10005A85	5	16	85	56	364.61
985-A10006A85	6	21	85	56	314.89
985-A10006A120			120	91	356.32
985-A10006A160			160	131	389.47
985-A10006A200			200	171	447.47
985-A10006A250	7	21	250	221	555.20
985-A10007A120			120	91	447.47
985-A10008A85	8	21	85	56	314.89
985-A10008A120			120	91	356.32
985-A10008A160			160	131	389.47
985-A10008A200			200	171	447.47
985-A10008A250	9	24	250	221	555.20
985-A10009A120			120	91	447.47
985-A10010A90	10	24	90	61	314.89
985-A10010A120			120	91	356.32
985-A10010A160			160	131	389.47
985-A10010A200			200	171	447.47
985-A10010A250	11	24	250	221	555.20
985-A10011A120			120	91	447.47
985-A10012A95	12	24	95	66	314.89
985-A10012A120			120	91	356.32
985-A10012A160			160	131	389.47
985-A10012A200			200	171	447.47
985-A10012A250	13	27	250	221	555.20
985-A10013A120			120	91	447.47
985-A10014A95	14	27	95	66	314.89
985-A10014A120			120	91	356.32
985-A10014A160			160	131	389.47
985-A10014A200			200	171	447.47
985-A10014A250	15	27	250	221	555.20
985-A10015A100			100	71	447.47

HSK-A100 ShrinkFit METRIC

Series- 985

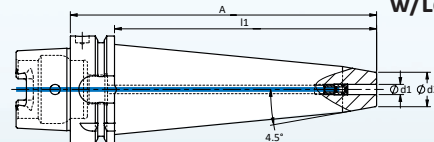
HSK-A100 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw



Product Order Number	d1	d2	A	l1	SPECIAL
985-A10016A100	16	27	100	71	331.46
985-A10016A120			120	91	356.32
985-A10016A160			160	131	389.47
985-A10016A200			200	171	447.47
985-A10016A250	18	33	250	221	555.20
985-A10018A100			100	71	331.46
985-A10018A120			120	91	356.32
985-A10018A160			160	131	389.47
985-A10018A200	20	33	200	171	447.47
985-A10018A250			250	221	555.20
985-A10020A105	25	44	105	76	331.46
985-A10020A120			120	91	356.32
985-A10020A160			160	131	389.47
985-A10020A200			200	171	447.47
985-A10020A250	32	44	250	221	555.20
985-A10025A115			115	86	356.32
985-A10025A160			160	131	389.47
985-A10025A200			200	171	447.47
985-A10032A120	32	44	120	91	356.32
985-A10032A160			160	131	389.47

Series- 985

HSK-A100 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adj. Screw



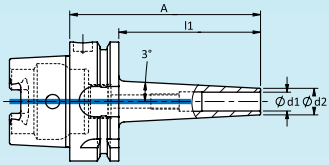
Product Order Number	d1	d2	A	l1	SPECIAL
985-A10006A329S	6	21	329	300	903.23
985-A10008A329S	8	21	329	300	903.23
985-A10010A329S	10	24	329	300	903.23
985-A10012A329S	12	24	329	300	903.23
985-A10016A329S	16	27	329	300	903.23
985-A10020A329S	20	33	329	300	903.23
985-A10025A329S	25	44	329	300	903.23

180 Metric and 103 Inch HSK-A100
ShrinkFit Tools Available

HSK-A100 ShrinkFit METRIC

Series- 925

HSK-A100 ShrinkFit Chuck
Extra Slim Execution 3°

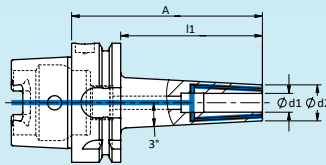


Product Order Number	d1	d2	A	l1	SPECIAL
925-A10004100	4	8	129	100	601.60
925-A10004150			179	150	659.60
925-A1000675	6	10	104	75	488.90
925-A10006100			129	100	530.34
925-A10006150			179	150	604.91
925-A10006200	8	12	229	200	729.21
925-A10008100			129	100	530.34
925-A10008150			179	150	604.91
925-A10008200	10	14	229	200	729.21
925-A10010100			129	100	530.34
925-A10010150			179	150	604.91
925-A10010200	12	16	229	200	729.21
925-A10012100			129	100	530.34
925-A10012150			179	150	604.91
925-A10012200			229	200	729.21

HSK-A100 ShrinkFit METRIC

Series- 996

HSK-A100 ShrinkFit Chuck
Slim Execution 3°
w/3 Cooling Jets Ø 1mm

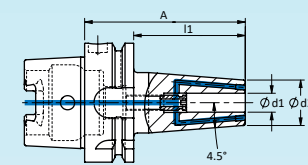


Product Order Number	d1	d2	A	l1	SPECIAL
996-A10004100	4	11	129	100	505.48
996-A10004150			179	150	580.06
996-A10004200	6	15	229	200	671.21
996-A10006100			129	100	480.62
996-A10006150			179	150	538.62
996-A10006200	8	17	229	200	621.49
996-A10008100			129	100	480.62
996-A10008150			179	150	538.62
996-A10008200	10	19	229	200	621.49
996-A10010100			129	100	480.62
996-A10010150			179	150	538.62
996-A10010200			229	200	621.49

HSK-A100 ShrinkFit METRIC

Series- 995

HSK-A100 ShrinkFit Chuck
Standard Execution 4.5°
w/Closable Cooling Jets
w/Length Adjusting Screw



Product Order Number	d1	d2	A	l1	SPECIAL
995-A10006A85	6	21	85	56	381.18
995-A10006A120			120	91	422.61
995-A10006A160			160	131	455.76
995-A10006A200	8	21	200	171	513.77
995-A10008A85			85	56	381.18
995-A10008A120			120	91	422.61
995-A10008A160	10	24	160	131	455.76
995-A10008A200			200	171	513.77
995-A10010A90			90	61	381.18
995-A10010A120	12	24	120	91	422.61
995-A10010A160			160	131	455.76
995-A10010A200			200	171	513.77
995-A10012A95	14	27	95	66	381.18
995-A10012A120			120	91	422.61
995-A10012A160			160	131	455.76
995-A10012A200	16	27	200	171	513.77
995-A10014A95			95	66	381.18
995-A10014A120			120	91	422.61
995-A10014A160	18	33	160	131	455.76
995-A10014A200			200	171	513.77
995-A10016A100			100	71	381.18
995-A10016A120	20	33	120	91	422.61
995-A10016A160			160	131	455.76
995-A10016A200			200	171	513.77
995-A10018A100	25	44	100	71	422.61
995-A10018A160			160	131	455.76
995-A10020A120			120	91	422.61
995-A10020A160			160	131	455.76
995-A10020A200			200	171	513.77
995-A10025A115			115	86	422.61
995-A10025A160			160	131	455.76

Induktherm Rapid Shrink

Induction Unit 600 volt / 10kW
with Tool Elevator & Coolant Tank

CDN Certified ShrinkFit Units

- Heating times between 3 to 9 seconds
- Cooling times between 15 to 50 seconds
- Tool Capacity: Carbide 1/8" to 1.1/4"
HSS 1/4" to 1.1/4"

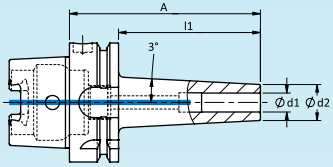
Induction Shrink Technology in a few easy steps



HSK-A100 ShrinkFit METRIC

Series- 915

HSK-A100 ShrinkFit Chuck
Slim Execution 3°

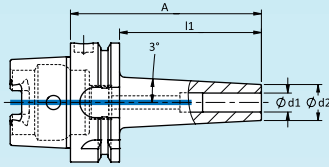


Product Order Number	d1	d2	A	l1	SPECIAL
915-A10003100	3	11	129	100	488.90
915-A10003150			179	150	555.20
915-A10003200			229	200	555.20
915-A1000450	4	11	79	50	339.75
915-A1000475			104	75	364.61
915-A10004100			129	100	389.47
915-A10004150			179	150	455.76
915-A10004200	5	13	229	200	555.20
915-A10005100			129	100	422.61
915-A10005150			179	150	455.76
915-A1000658	6	15	87	58	314.89
915-A1000675			104	75	339.75
915-A10006100			129	100	364.61
915-A10006150			179	150	422.61
915-A10006200			229	200	505.48
915-A10006300	8	17	329	300	803.79
915-A1000858			87	58	314.89
915-A1000875			104	75	339.75
915-A10008100			129	100	364.61
915-A10008150			179	150	422.61
915-A10008200			229	200	505.48
915-A10008300	10	19	329	300	803.79
915-A1001050			79	50	314.89
915-A1001075			104	75	339.75
915-A10010100			129	100	364.61
915-A10010150			179	150	422.61
915-A10010200	12	22	229	200	505.48
915-A10010300			329	300	803.79
915-A1001250			79	50	314.89
915-A1001275			104	75	339.75
915-A10012100	12	22	129	100	364.61
915-A10012150			179	150	422.61
915-A10012200			229	200	505.48
915-A10012300	12	22	329	300	803.79

HSK-A100 ShrinkFit METRIC

Series- 915

HSK-A100 ShrinkFit Chuck
Slim Execution 3°



Product Order Number	d1	d2	A	l1	SPECIAL
915-A1001450	14	24	79	50	314.89
915-A1001475			104	75	339.75
915-A10014100			129	100	364.61
915-A10014150			179	150	422.61
915-A10014200			229	200	505.48
915-A10014300	16	27	329	300	803.79
915-A1001660			89	60	339.75
915-A1001675			104	75	339.75
915-A10016100			129	100	364.61
915-A10016150	18	30	179	150	422.61
915-A10016200			229	200	505.48
915-A10016300			329	300	803.79
915-A1001865			94	65	339.75
915-A1001875			104	75	339.75
915-A10018100	20	33	129	100	364.61
915-A10018150			179	150	422.61
915-A10018200			229	200	505.48
915-A10018300	20	33	329	300	803.79
915-A1002065			94	65	339.75
915-A1002075			104	75	339.75
915-A10020100			129	100	364.61
915-A10020150	25	44	179	150	422.61
915-A10020200			229	200	505.48
915-A10020300			329	300	803.79
915-A1002575			104	75	339.75
915-A10025100			129	100	364.61
915-A10025150	25	44	179	150	422.61

Height Adjustment Tool

The ideal tool to set your cutter height when preparing your tool assemblies



Order Number	Range	SPECIAL
990-395	1/8 - 5/8	187.46
990-393	5/16 - 1.00	221.57

Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbor	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	15.95	952-A32	52.22
HSK-A40	951-A40	15.95	952-A40	52.22
HSK-A50	951-A50	16.95	952-A50	52.22
HSK-A63	951-A63	17.95	952-A63	54.39
HSK-A80	951-A80	18.95	952-A80	71.79
HSK-A100	951-A100	19.95	952-A100	67.44

Induction Shrink Technology in a few easy steps

Tool Capacity:

- Carbide 1/8" - 1.1/4"
- HSS 1/4" - 1.1/4"

Certified to CDN
Electrical Standards



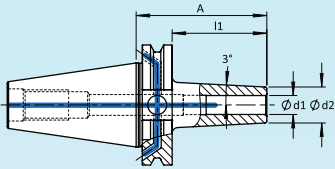
Induktherm Rapid Shrink

Induction Unit 600 volt / 10kW

CAT40 ShrinkFit INCH

Series- 945Z

CAT40 ShrinkFit Chuck
Slim Execution 3°

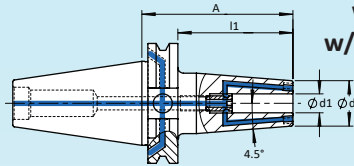


Product Order Number	d1	d2	A	l1	SPECIAL
945Z-CAT40-1/8-2.95	1/8	.43	3.70	2.95	230.02
945Z-CAT40-1/8-3.94			4.69	3.94	242.89
945Z-CAT40-1/8-5.91			6.66	5.91	345.83
945Z-CAT40-1/8-7.87			8.62	7.87	426.26
945Z-CAT40-3/16-2.95	3/16	.51	3.70	2.95	230.02
945Z-CAT40-3/16-3.94			4.69	3.94	242.89
945Z-CAT40-3/16-5.91			6.66	5.91	345.83
945Z-CAT40-1/4-2.95	1/4	.59	3.70	2.95	197.85
945Z-CAT40-1/4-3.94			4.69	3.94	210.72
945Z-CAT40-1/4-5.91			6.66	5.91	313.67
945Z-CAT40-1/4-7.87			8.62	7.87	394.10
945Z-CAT40-5/16-2.95	5/16	.67	3.70	2.95	197.85
945Z-CAT40-5/16-3.94			4.69	3.94	210.72
945Z-CAT40-5/16-5.91			6.66	5.91	313.67
945Z-CAT40-3/8-2.95	3/8	.75	3.70	2.95	197.85
945Z-CAT40-3/8-3.94			4.69	3.94	210.72
945Z-CAT40-3/8-5.91			6.66	5.91	313.67
945Z-CAT40-1/2-2.95	1/2	.87	3.70	2.95	197.85
945Z-CAT40-1/2-3.94			4.69	3.94	210.72
945Z-CAT40-1/2-5.91			6.66	5.91	313.67

CAT40 ShrinkFit INCH

Series- 995Z

CAT40 ShrinkFit Chuck
Standard Execution 4.5°
w/Closable Cooling Jets
w/Length Adjusting Screw

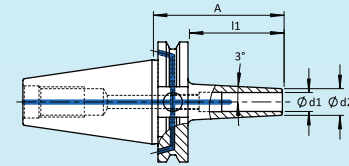


Product Order Number	d1	d2	A	l1	SPECIAL
995Z-CAT40-1/8-A3.15	1/8	.43	3.15	2.40	271.84
995Z-CAT40-3/16-A3.15	3/16	.55	3.15	2.40	271.84
995Z-CAT40-1/4-A3.15	1/4	.83	3.15	2.40	231.62
995Z-CAT40-1/4-A4.72			4.72	3.97	252.54
995Z-CAT40-5/16-A3.15	5/16	.83	3.15	2.40	231.62
995Z-CAT40-5/16-A4.72			4.72	3.97	252.54
995Z-CAT40-3/8-A3.15	3/8	.94	3.15	2.40	231.62
995Z-CAT40-3/8-A4.72			4.72	3.97	252.54
995Z-CAT40-7/16-A3.15	7/16	.94	3.15	2.40	231.62
995Z-CAT40-7/16-A4.72			4.72	3.97	252.54
995Z-CAT40-1/2-A3.15	1/2	.94	3.15	2.40	231.62
995Z-CAT40-1/2-A4.72			4.72	3.97	252.54
995Z-CAT40-5/8-A3.15	5/8	1.06	3.15	2.40	231.62
995Z-CAT40-5/8-A4.72			4.72	3.97	252.54
995Z-CAT40-3/4-A3.15	3/4	1.30	3.15	2.40	231.62
995Z-CAT40-3/4-A4.72			4.72	3.97	252.54
995Z-CAT40-7/8-A3.15	7/8	1.30	3.15	2.40	231.62
995Z-CAT40-7/8-A4.72			4.72	3.97	252.54
995Z-CAT40-1-A3.94	1	1.73	3.94	3.19	252.54

CAT40 ShrinkFit INCH

Series- 925Z

CAT40 ShrinkFit Chuck
Extra Slim Execution - 3°



Product Order Number	d1	d2	A	l1	SPECIAL
925Z-CAT40-1/8-2.95	1/8	.28	3.70	2.95	273.45
925Z-CAT40-1/8-3.94			4.96	3.94	289.54
925Z-CAT40-3/16-2.95	3/16	.35	3.70	2.95	273.45
925Z-CAT40-3/16-3.94			4.96	3.94	289.54
925Z-CAT40-1/4-2.95	1/4	.39	3.70	2.95	233.24
925Z-CAT40-1/4-3.94			4.96	3.94	249.32
925Z-CAT40-5/16-2.95	5/16	.47	3.70	2.95	233.24
925Z-CAT40-5/16-3.94			4.96	3.94	249.32
925Z-CAT40-3/8-2.95	3/8	.55	3.70	2.95	233.24
925Z-CAT40-3/8-3.94			4.96	3.94	249.32

Height Adjustment Tool

The ideal tool to set your cutter
height when preparing your tool
assemblies

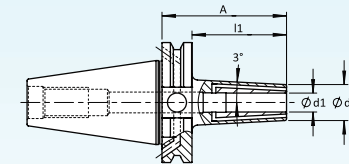


Order Number	Range	SPECIAL
990-395	1/8 - 5/8	187.46
990-393	5/16 - 1.00	221.57

21 Metric and 101 Inch
CAT40 ShrinkFit
Tools Available

Series- 996Z

CAT40 ShrinkFit Chuck
Slim Execution 3°
w/3 Cooling Jets Ø 1mm

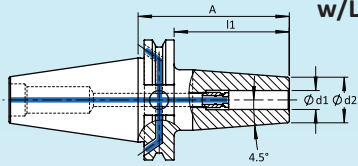


Product Order Number	d1	d2	A	l1	SPECIAL
996Z-CAT40-1/8-2.95	1/8	.43	3.70	2.95	313.66
996Z-CAT40-1/8-3.94			4.69	3.94	329.75
996Z-CAT40-3/16-2.95	3/16	.51	3.70	2.95	313.66
996Z-CAT40-3/16-3.94			4.69	3.94	329.75
996Z-CAT40-1/4-2.95	1/4	.59	3.70	2.95	273.45
996Z-CAT40-1/4-3.94			4.69	3.94	289.53
996Z-CAT40-5/16-2.95	5/16	.67	3.70	2.95	273.45
996Z-CAT40-5/16-3.94			4.69	3.94	289.53
996Z-CAT40-3/8-2.95	3/8	.75	3.70	2.95	273.45
996Z-CAT40-3/8-3.94			4.69	3.94	289.53

CAT40 ShrinkFit INCH

Series- 985Z

CAT40 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw



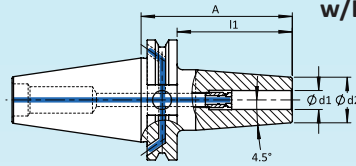
Product Order Number	d1	d2	A	l1	SPECIAL
985Z-CAT40-1/8-A3.15	1/8	.43	3.15	2.40	223.58
985Z-CAT40-1/8-A4.72			4.72	3.97	244.49
985Z-CAT40-3/16-A3.15	3/16	.55	3.15	2.40	223.58
985Z-CAT40-3/16-A4.72			4.72	3.97	244.49
985Z-CAT40-1/4-A3.15	1/4	.83	3.15	2.40	183.37
985Z-CAT40-1/4-A4.72			4.72	3.97	204.28
985Z-CAT40-1/4-A5.12			5.12	4.37	215.24
985Z-CAT40-1/4-A6.30			6.30	5.55	255.75
985Z-CAT40-5/16-A3.15	5/16	.83	3.15	2.40	183.37
985Z-CAT40-5/16-A4.72			4.72	3.97	204.28
985Z-CAT40-5/16-A5.12			5.12	4.37	215.24
985Z-CAT40-5/16-A6.30	3/8	.94	6.30	5.55	255.75
985Z-CAT40-3/8-A3.15			3.15	2.40	183.37
985Z-CAT40-3/8-A4.72			4.72	3.97	204.28
985Z-CAT40-3/8-A5.12			5.12	4.37	215.24
985Z-CAT40-3/8-A6.30	7/16	.94	6.30	5.55	255.75
985Z-CAT40-7/16-A3.15			3.15	2.40	183.37
985Z-CAT40-7/16-A4.72			4.72	3.97	204.28
985Z-CAT40-7/16-A5.12			5.12	4.37	215.24
985Z-CAT40-7/16-A6.30	1/2	.94	6.30	5.55	255.75
985Z-CAT40-1/2-A3.15			3.15	2.40	183.37
985Z-CAT40-1/2-A4.72			4.72	3.97	204.28
985Z-CAT40-1/2-A5.12			5.12	4.37	215.24
985Z-CAT40-1/2-A6.30			6.30	5.55	255.75

Need Metric tools?
We have over 1,950
Metric Tools Available

CAT40 ShrinkFit INCH

Series- 985Z

CAT40 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw



Product Order Number	d1	d2	A	l1	SPECIAL
985Z-CAT40-5/8-A3.15	5/8	1.06	3.15	2.40	183.37
985Z-CAT40-5/8-A4.72			4.72	3.97	204.28
985Z-CAT40-5/8-A5.12			5.12	4.37	215.24
985Z-CAT40-5/8-A6.30	3/4	1.30	6.30	5.55	255.75
985Z-CAT40-3/4-A3.15			3.15	2.40	183.37
985Z-CAT40-3/4-A4.72			4.72	3.97	204.28
985Z-CAT40-3/4-A5.12			5.12	4.37	215.24
985Z-CAT40-3/4-A6.30	7/8	1.30	6.30	5.55	255.75
985Z-CAT40-7/8-A3.15			3.15	2.40	183.37
985Z-CAT40-7/8-A4.72			4.72	3.97	204.28
985Z-CAT40-7/8-A6.30	1	1.73	6.30	5.55	255.75
985Z-CAT40-1-A3.94			3.94	3.19	193.02
985Z-CAT40-1-A4.72			4.72	3.66	204.28
985Z-CAT40-1-A5.12			5.12	4.37	215.24
985Z-CAT40-1-A6.30	1.1/4	1.73	6.30	5.55	255.75
985Z-CAT40-1.1/4-A3.94			3.94	3.19	193.02
985Z-CAT40-1.1/4-A4.72			4.72	3.66	204.28
985Z-CAT40-1.1/4-A6.30			6.30	5.55	255.75

Height Adjustment Tool

The ideal tool to set your cutter
height when preparing your tool
assemblies

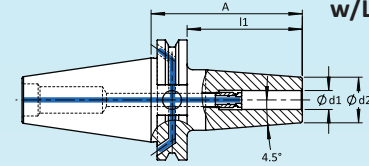


Order Number	Range	SPECIAL
990-395	1/8 - 5/8	187.46
990-393	5/16 - 1.00	221.57

CAT40 ShrinkFit METRIC

Series- 985

CAT40 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw



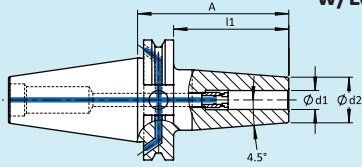
Product Order Number	d1	d2	A	l1	SPECIAL
985-CAT4006A80	6	21	80	60.9	183.37
985-CAT4006A120			120	100.9	204.75
985-CAT4006A130			130	110.9	215.24
985-CAT4008A80	8	21	80	60.9	183.37
985-CAT4008A120			120	100.9	204.28
985-CAT4008A130			130	110.9	215.24
985-CAT4010A80	10	24	80	60.9	183.37
985-CAT4010A120			120	100.9	204.28
985-CAT4010A130			130	110.9	215.24
985-CAT4012A80	12	24	80	60.9	183.37
985-CAT4012A120			120	100.9	204.28
985-CAT4012A130			130	110.9	215.24
985-CAT4016A80	16	27	80	60.9	183.37
985-CAT4016A120			120	100.9	204.28
985-CAT4016A130			130	110.9	215.24
985-CAT4020A80	20	33	80	60.9	183.37
985-CAT4020A120			120	100.9	204.28
985-CAT4020A130			130	110.9	215.24
985-CAT4025A100	25	44	100	80.9	193.02
985-CAT4025A130			130	110.9	215.24
985-CAT4032A100			100	80.9	193.02

21 Metric and 101 Inch
CAT40 ShrinkFit
Tools Available

CAT50 ShrinkFit INCH

Series- 985Z

CAT50 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw

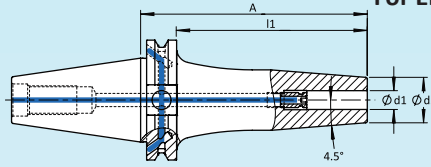


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-CAT50-1/4-A3.15	1/4	.83	3.15	2.40	315.06
985Z-CAT50-1/4-A4.72			4.72	3.97	342.93
985Z-CAT50-1/4-A6.30			6.30	5.55	393.62
985Z-CAT50-1/4-A7.87			7.87	7.12	440.91
985Z-CAT50-5/16-A3.15	5/16	.83	3.15	2.40	315.06
985Z-CAT50-5/16-A4.72			4.72	3.97	342.93
985Z-CAT50-5/16-A6.30			6.30	5.55	393.62
985Z-CAT50-3/8-A3.15	3/8	.94	3.15	2.40	315.06
985Z-CAT50-3/8-A4.72			4.72	3.97	342.93
985Z-CAT50-3/8-A6.30			6.30	5.55	393.62
985Z-CAT50-3/8-A7.87			7.87	7.12	440.91
985Z-CAT50-1/2-A3.15	1/2	.94	3.15	2.40	315.06
985Z-CAT50-1/2-A4.72			4.72	3.97	342.93
985Z-CAT50-1/2-A6.30			6.30	5.55	393.62
985Z-CAT50-1/2-A7.87			7.87	7.12	440.91
985Z-CAT50-5/8-A3.15	5/8	1.06	3.15	2.40	315.06
985Z-CAT50-5/8-A4.72			4.72	3.97	342.93
985Z-CAT50-5/8-A6.30			6.30	5.55	393.62
985Z-CAT50-5/8-A7.87			7.87	7.12	440.91
985Z-CAT50-3/4-A3.15	3/4	1.30	3.15	2.40	315.06
985Z-CAT50-3/4-A4.72			4.72	3.97	342.93
985Z-CAT50-3/4-A6.30			6.30	5.55	393.62
985Z-CAT50-3/4-A7.87			7.87	7.12	440.91
985Z-CAT50-1-A3.94	1	1.73	3.94	3.19	326.04
985Z-CAT50-1-A4.72			4.72	3.97	342.93
985Z-CAT50-1-A6.30			6.30	5.55	393.62
985Z-CAT50-1.1/4-A3.94	1.1/4	1.73	3.94	3.19	326.04
985Z-CAT50-1.1/4-A4.72			4.72	3.97	342.93
985Z-CAT50-1.1/4-A6.30			6.30	5.55	393.62

CAT50 ShrinkFit INCH

Series- 984Z

CAT50 ShrinkFit Chuck Standard 4.5°
Tapered Extension w/Large Rad. Design
For Enhanced Rigidity

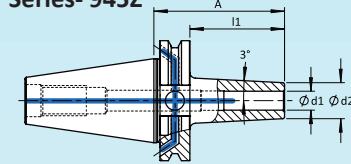


Product Order Number	d1	d2	A	l1	SPECIAL
984Z-CAT50-1/4-A5.12	1/4	.83	5.12	4.37	361.19
984Z-CAT50-1/4-A6.30			6.30	5.55	393.62
984Z-CAT50-1/4-A7.87			7.87	7.12	440.91
984Z-CAT50-5/16-A5.12	5/16	.83	5.12	4.37	361.19
984Z-CAT50-5/16-A6.30			6.30	5.55	393.62
984Z-CAT50-5/16-A7.87			7.87	7.12	440.91
984Z-CAT50-3/8-A5.12	3/8	.94	5.12	4.37	361.19
984Z-CAT50-3/8-A6.30			6.30	5.55	393.62
984Z-CAT50-3/8-A7.87			7.87	7.12	440.91
984Z-CAT50-7/16-A5.12	7/16	.94	5.12	4.37	361.19
984Z-CAT50-1/2-A5.12	1/2	.94	5.12	4.37	361.19
984Z-CAT50-1/2-A6.30			6.30	5.55	393.62
984Z-CAT50-1/2-A7.87			7.87	7.12	440.91
984Z-CAT50-5/8-A5.12	5/8	1.06	5.12	4.37	361.19
984Z-CAT50-5/8-A6.30			6.30	5.55	393.62
984Z-CAT50-5/8-A7.87	3/4	1.30	7.87	7.12	440.91
984Z-CAT50-3/4-A5.12			5.12	4.37	361.19
984Z-CAT50-3/4-A6.30	1	1.73	6.30	5.55	393.62
984Z-CAT50-3/4-A7.87			7.87	7.12	440.91
984Z-CAT50-1-A5.12	1	1.73	5.12	4.37	361.19
984Z-CAT50-1-A6.30			6.30	5.55	393.62
984Z-CAT50-1-A7.87			7.87	7.12	440.91
984Z-CAT50-1.1/4-A5.12	1.1/4	1.73	5.12	4.37	361.19
984Z-CAT50-1.1/4-A6.30			6.30	5.55	393.62
984Z-CAT50-1.1/4-A7.87			7.87	7.12	440.91

CAT50 ShrinkFit INCH

Series- 945Z

CAT50 ShrinkFit Chuck
Slim Execution 3°

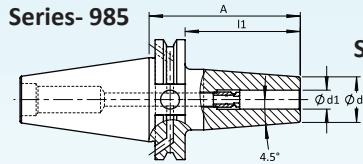


Product Order Number	d1	d2	A	l1	SPECIAL
945Z-CAT50-1/8-5.91	1/8	.43	6.66	5.91	544.71
945Z-CAT50-1/4-3.94	1/4	.59	4.69	3.94	388.55
945Z-CAT50-1/4-5.91			6.66	5.91	447.67
945Z-CAT50-1/4-7.87			8.62	7.87	515.24
945Z-CAT50-5/16-3.94	5/16	.67	4.69	3.94	388.55
945Z-CAT50-5/16-5.91			6.66	5.91	447.67
945Z-CAT50-5/16-7.87			8.62	7.87	515.24
945Z-CAT50-3/8-3.94	3/8	.75	4.69	3.94	388.55
945Z-CAT50-3/8-5.91			6.66	5.91	447.67
945Z-CAT50-3/8-7.87			8.62	7.87	515.24
945Z-CAT50-1/2-3.94	1/2	.87	4.69	3.94	388.55
945Z-CAT50-1/2-5.91			6.66	5.91	447.67
945Z-CAT50-1/2-7.87			8.62	7.87	515.24

CAT50 ShrinkFit METRIC

Series- 985

CAT50 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adj. Screw



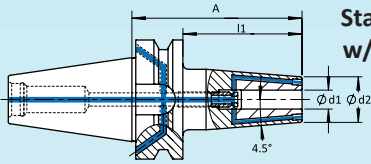
Product Order Number	d1	d2	A	l1	SPECIAL
985-CAT5006A80	6	21	80	60.9	315.06
985-CAT5006A120			120	100.9	342.93
985-CAT5008A80	8	21	80	60.9	315.06
985-CAT5008A120			120	100.9	342.93
985-CAT5010A80	10	24	80	60.9	315.06
985-CAT5010A120			120	100.9	342.93
985-CAT5012A80	12	24	80	60.9	315.06
985-CAT5012A120			120	100.9	342.93
985-CAT5016A80	16	27	80	60.9	315.06
985-CAT5016A120			120	100.9	342.93
985-CAT5020A80	20	33	80	60.9	315.06
985-CAT5020A120			120	100.9	342.93
985-CAT5025A100	25	44	100	80.9	326.04
985-CAT5025A120			120	100.9	342.93
985-CAT5032A100	32	44	100	80.9	326.04
985-CAT5032A120			120	100.9	342.93

16 Metric and 67 Inch CAT50
ShrinkFit Tools Available

BT40 ShrinkFit INCH

Series- 995Z

BT40 ShrinkFit Chuck
Standard Execution 4.5°
w/Closable Cooling Jets
w/Length Adj. Screw

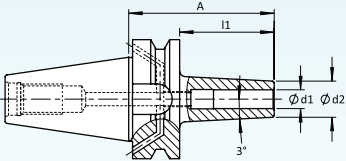


Product Order Number	d1	d2	A	l1	SPECIAL
995Z-BT40-1/4-A3.54	1/4	.83	3.54	2.48	242.89
995Z-BT40-1/4-A5.12			5.12	4.06	277.44
995Z-BT40-5/16-A3.54	5/16	.83	3.54	2.48	242.89
995Z-BT40-5/16-A5.12			5.12	4.06	277.44
995Z-BT40-3/8-A3.54	3/8	.94	3.54	2.48	242.89
995Z-BT40-3/8-A5.12			5.12	4.06	277.44
995Z-BT40-1/2-A3.54	1/2	.94	3.54	2.48	242.89
995Z-BT40-1/2-A5.12			5.12	4.06	277.44
995Z-BT40-5/8-A3.54	5/8	1.06	3.54	2.48	242.89
995Z-BT40-5/8-A5.12			5.12	4.06	277.44
995Z-BT40-3/4-A3.54	3/4	1.30	3.54	2.48	242.89
995Z-BT40-3/4-A5.12			5.12	4.06	277.44

BT40 ShrinkFit INCH

Series- 945Z

BT40 ShrinkFit Chuck
Slim Execution 3°

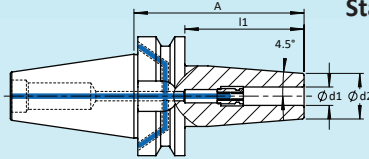


Product Order Number	d1	d2	A	l1	SPECIAL
945Z-BT40-1/8-2.95	1/8	.43	4.02	2.95	235.16
945Z-BT40-1/8-3.94			5.00	3.94	252.77
945Z-BT40-3/16-2.95	3/16	.51	4.02	2.95	235.16
945Z-BT40-3/16-3.94			5.00	3.94	252.77
945Z-BT40-1/4-2.95	1/4	.59	4.02	2.95	202.98
945Z-BT40-1/4-3.94			5.00	3.94	220.60
945Z-BT40-1/4-5.91	1/4	.59	6.97	5.91	305.63
945Z-BT40-5/16-2.95			4.02	2.95	202.98
945Z-BT40-5/16-3.94	5/16	.67	5.00	3.94	220.60
945Z-BT40-5/16-5.91			6.97	5.91	305.63
945Z-BT40-3/8-2.95	3/8	.75	4.02	2.95	202.98
945Z-BT40-3/8-3.94			5.00	3.94	220.60
945Z-BT40-3/8-5.91	3/8	.75	6.97	5.91	305.63

BT40 ShrinkFit INCH

Series- 985Z

BT40 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adj. Screw

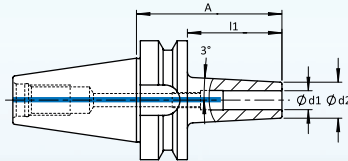


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-BT40-1/8-A3.15	1/8	.43	3.15	2.09	234.84
985Z-BT40-3/16-A3.15	3/16	.55	3.15	2.09	234.84
985Z-BT40-1/4-A3.54	1/4	.83	3.54	2.48	194.63
985Z-BT40-1/4-A5.12			5.12	4.06	215.24
985Z-BT40-5/16-A3.54	5/16	.83	3.54	2.48	194.63
985Z-BT40-5/16-A5.12			5.12	4.06	215.24
985Z-BT40-3/8-A3.54	3/8	.94	3.54	2.48	194.63
985Z-BT40-3/8-A5.12			5.12	4.06	215.24
985Z-BT40-1/2-A3.54	1/2	.94	3.54	2.48	194.63
985Z-BT40-1/2-A5.12			5.12	4.06	215.24
985Z-BT40-5/8-A3.54	5/8	1.06	3.54	2.48	194.63
985Z-BT40-5/8-A5.12			5.12	4.06	215.24
985Z-BT40-3/4-A3.54	3/4	1.30	3.54	2.48	194.63
985Z-BT40-3/4-A5.12			5.12	4.06	215.24
985Z-BT40-1-A3.94	1	1.73	3.94	2.87	205.89
985Z-BT40-1-A5.12			5.12	4.06	215.24
985Z-BT40-1.1/4-A3.94	1.1/4	1.73	3.94	2.87	205.89
985Z-BT40-1.1/4-A5.12			5.12	4.06	215.24

BT40 ShrinkFit METRIC

Series- 915

BT40 ShrinkFit Chuck
Slim Execution 3°



Product Order Number	d1	d2	A	l1	SPECIAL
915-BT400350	3	11.00	77	50	217.15
915-BT400375			102	75	233.24
915-BT4003100			127	100	249.32
915-BT4003150			177	150	353.87
915-BT4003200	4	11.00	227	200	418.22
915-BT400450			77	50	217.15
915-BT400475			102	75	233.24
915-BT4004100			127	100	249.32

BT40 ShrinkFit METRIC

Series- 915
...continued

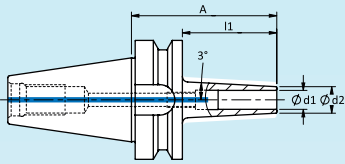
BT40 ShrinkFit Chuck
Slim Execution 3°

Product Order Number	d1	d2	A	l1	SPECIAL
915-BT4004150	4	11.00	177	150	353.87
915-BT4004200			227	200	418.22
915-BT400550	5	13.00	77	50	217.15
915-BT400575			102	75	233.24
915-BT4005100			127	100	249.32
915-BT400650	6	15.00	77	50	183.37
915-BT400675			102	75	191.42
915-BT4006100			127	100	202.67
915-BT4006150	8	17.00	177	150	305.62
915-BT4006200			227	200	386.04
915-BT400850			77	50	183.37
915-BT400875	8	17.00	102	75	191.42
915-BT4008100			127	100	202.67
915-BT4008150			177	150	305.62
915-BT4008200			227	200	386.04
915-BT401050	10	19.00	77	50	183.37
915-BT401075			102	75	191.42
915-BT4010100			127	100	202.67
915-BT4010150			177	150	305.62
915-BT4010200	12	22.00	227	200	386.04
915-BT401250			77	50	183.37
915-BT401275			102	75	191.42
915-BT4012100			127	100	202.67
915-BT4012150	14	24.00	177	150	305.62
915-BT4012200			227	200	386.04
915-BT401450			77	50	193.02
915-BT401475			102	75	201.07
915-BT4014100	16	27.00	127	100	217.15
915-BT4014150			177	150	321.71
915-BT401650			77	50	183.37
915-BT401660			87	60	191.42
915-BT401675	18	30.00	102	75	191.42
915-BT4016100			127	100	202.67
915-BT4016150			177	150	305.62
915-BT401850	20	33.00	77	50	193.02
915-BT4018100			127	100	217.15
915-BT402050	25	44.00	77	50	191.42
915-BT4020100			127	100	202.67
915-BT4020150			177	150	305.62
915-BT402560	25	44.00	87	60	202.67
915-BT4025100			127	100	202.67

BT40 ShrinkFit METRIC

Series- 925

BT40 ShrinkFit Chuck
Extra Slim Execution 3°

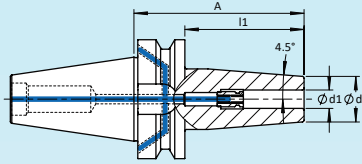


Product Order Number	d1	d2	A	l1	SPECIAL
925-BT400375	3	7.00	102	75	249.32
925-BT4003100			127	100	265.40
925-BT400475	4	8.00	102	75	249.32
925-BT4004100			127	100	265.40
925-BT4004150			177	150	369.96
925-BT400650	6	10.00	77	50	199.46
925-BT400675			102	75	207.50
925-BT4006100			127	100	218.76
925-BT4006150			177	150	321.71
925-BT4006200	8	12.00	227	200	402.13
925-BT400850			77	50	199.46
925-BT400875			102	75	207.50
925-BT4008100			127	100	218.76
925-BT4008150			177	150	321.71
925-BT4008200	10	14.00	227	200	402.13
925-BT401050			77	50	199.46
925-BT401075			102	75	207.50
925-BT4010100			127	100	218.76
925-BT4010150			177	150	321.71
925-BT4010200			227	200	402.13
925-BT401250	12	16.00	77	50	199.46
925-BT401275			102	75	207.50
925-BT4012100			127	100	218.76
925-BT4012150			177	150	321.71
925-BT4012200			227	200	402.13
925-BT401675	16	22.00	102	75	207.50

BT40 ShrinkFit METRIC

Series- 985

BT40 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adj. Screw

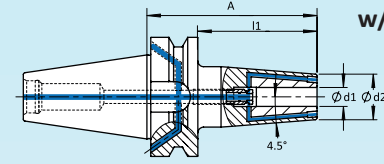


Product Order Number	d1	d2	A	l1	SPECIAL
985-BT4003A80	3	11.00	80	53	234.84
985-BT4004A80	4	14.00	80	53	234.84
985-BT4005A80	5	16.00	80	53	234.84
985-BT4006A90	6	21.00	90	63	194.63
985-BT4006A120			120	93	225.20
985-BT4006A160	8	21.00	160	133	260.58
985-BT4008A90			90	63	194.63
985-BT4008A120	8	21.00	120	93	225.20
985-BT4008A160			160	133	260.58
985-BT4010A90	10	24.00	90	63	194.63
985-BT4010A120			120	93	225.20
985-BT4010A160			160	133	260.58
985-BT4012A90	12	24.00	90	63	194.63
985-BT4012A120			120	93	225.20
985-BT4012A160			160	133	260.58
985-BT4014A90	14	27.00	90	63	194.63
985-BT4014A120			120	93	225.20
985-BT4014A160			160	133	260.58
985-BT4016A90	16	27.00	90	63	194.63
985-BT4016A120			120	93	225.20
985-BT4016A160			160	133	260.58
985-BT4018A90	18	33.00	90	63	194.63
985-BT4018A120			120	93	225.20
985-BT4020A90	20	33.00	90	63	194.63
985-BT4020A120			120	93	225.20
985-BT4020A160			160	133	260.58
985-BT4025A100	25	44.00	100	73	205.89
985-BT4025A160			160	133	260.58
985-BT4032A100	32	44.00	100	73	205.89
985-BT4032A160			160	133	260.58

BT40 ShrinkFit METRIC

Series- 995

BT40 ShrinkFit Chuck
Standard Execution 4.5°
w/Closable Cooling Jets
w/Length Adj. Screw



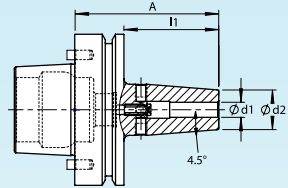
Product Order Number	d1	d2	A	l1	SPECIAL
995-BT4006A90	6	21.00	90	63	242.89
995-BT4006A120			120	93	273.45
995-BT4006A160			160	133	337.79
995-BT4008A90	8	21.00	90	63	242.89
995-BT4008A120			120	93	273.45
995-BT4008A160			160	133	337.79
995-BT4010A90	10	24.00	90	63	242.89
995-BT4010A120			120	93	273.45
995-BT4010A160			160	133	337.79
995-BT4012A90	12	24.00	90	63	242.89
995-BT4012A120			120	93	273.45
995-BT4012A160			160	133	337.79
995-BT4014A90	14	27.00	90	63	265.40
995-BT4016A90	16	27.00	90	63	242.89
995-BT4016A120			120	93	273.45
995-BT4016A160			160	133	337.79
995-BT4020A90	20	33.00	90	63	242.89
995-BT4020A120			120	93	273.45
995-BT4025A100	25	44.00	100	73	273.45

BT30 & BT40 tools also available
in Metric with Face Contact

HSK-F80 Makino MAG INCH HSK-F80 Makino MAG METRIC

Rineck now offers the HSK-F80 Makino style holder with pins for the Makino MAG machining centres designed for high Productivity machining of Aluminum in the Aerospace Industry. These are now offered in all standard sizes and lengths, inch & metric.

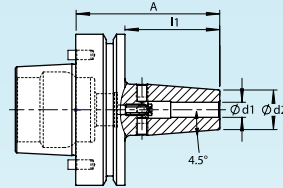
Series- 985Z



HSK-F80 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw
w/pins for MAKINO MAG

Product Order Number	d1	d2	A	l1	SPECIAL
985Z-F80M-1/4-A3.00	1/4	.83	3.00	1.98	339.39
985Z-F80M-5/16-A3.00	5/16	.83	3.00	1.98	339.39
985Z-F80M-3/8-A3.00	3/8	1.00	3.00	1.98	339.39
985Z-F80M-7/16-A3.00	7/16	1.02	3.00	1.98	339.39
985Z-F80M-1/2-A3.00	1/2	1.02	3.00	1.98	339.39
985Z-F80M-1/2-A6.00			6.00	4.98	469.46
985Z-F80M-5/8-A3.00	5/8	1.14	3.00	1.98	339.39
985Z-F80M-3/4-A2.75	3/4	1.38	2.75	1.73	339.39
985Z-F80M-3/4-A3.00			3.00	1.98	339.39
985Z-F80M-3/4-A4.00			4.00	2.98	361.70
985Z-F80M-1-A2.75	1	1.81	2.75	1.73	339.39
985Z-F80M-1-A3.00			3.00	1.98	339.39
985Z-F80M-1-A6.30			6.30	5.28	469.46
985Z-F80M-1.1/4-A3.50			1.1/4	1.77	344.78

Series- 985

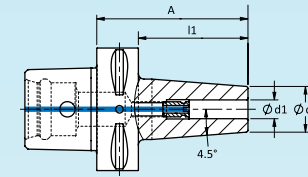


HSK-F80 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw
w/pins for MAKINO MAG

Product Order Number	d1	d2	A	l1	SPECIAL
985-F80M06A76.2	6	21.0	76.20	50.2	339.39
985-F80M06A82.55			82.55	56.55	355.55
985-F80M08A76.2	8	21.0	76.20	50.2	339.39
985-F80M10A76.2	10	26.0	76.20	50.2	339.39
985-F80M10A82.55			82.55	56.55	355.55
985-F80M12A76.2	12	26.0	76.20	50.2	339.39
985-F80M14A76.2	14	29.0	76.20	50.2	327.60
985-F80M16A76.2	16	29.0	76.20	50.2	339.39
985-F80M16A82.55			82.55	56.55	355.55
985-F80M20A70	20	35.5	70.00	44	339.39
985-F80M20A76.2			76.20	50.2	339.39
985-F80M25A70	25	46.0	70.00	44	339.39
985-F80M25A76.2			76.20	50.2	339.39

PSC50 ShrinkFit INCH

Series- 985Z

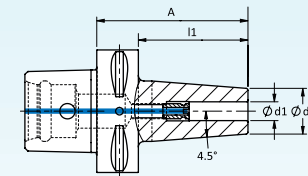


PSC-50 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw

Product Order Number	d1	d2	A	l1	SPECIAL
985Z-PSC50-1/8-A2.95	1/8	.43	2.95	2.17	396.41
985Z-PSC50-3/16-A2.95	3/16	.55	2.95	2.17	396.41
985Z-PSC50-1/4-A2.95	1/4	.83	2.95	2.17	356.48
985Z-PSC50-5/16-A2.95	5/16	.83	2.95	2.17	356.48
985Z-PSC50-3/8-A2.95	3/8	.94	2.95	2.17	356.48
985Z-PSC50-1/2-A2.95	1/2	.94	2.95	2.17	356.48
985Z-PSC50-5/8-A3.15	5/8	1.06	3.15	2.36	356.48
985Z-PSC50-3/4-A3.15	3/4	1.06	3.15	2.36	356.48

PSC63 ShrinkFit INCH

Series- 985Z



PSC-63 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw

Product Order Number	d1	d2	A	l1	SPECIAL
985Z-PSC63-1/8-A3.15	1/8	.43	3.15	2.28	390.35
985Z-PSC63-3/16-A3.15	3/16	.55	3.15	2.28	390.35
985Z-PSC63-1/4-A3.15	1/4	.83	3.15	2.28	334.58
985Z-PSC63-1/4-A4.72			4.72	3.86	406.28
985Z-PSC63-5/16-A3.15	5/16	.83	3.15	2.28	334.58
985Z-PSC63-5/16-A4.72			4.72	3.86	406.28
985Z-PSC63-3/8-A3.15	3/8	.94	3.15	2.28	334.58
985Z-PSC63-3/8-A4.72			4.72	3.86	406.28
985Z-PSC63-1/2-A3.15	1/2	.94	3.15	2.28	334.58
985Z-PSC63-1/2-A4.72			4.72	3.86	406.28
985Z-PSC63-5/8-A3.35	5/8	1.06	3.35	2.48	334.58
985Z-PSC63-5/8-A4.72			4.72	3.86	406.28
985Z-PSC63-3/4-A3.35	3/4	1.30	3.35	2.48	334.58
985Z-PSC63-3/4-A4.72			4.72	3.86	406.28
985Z-PSC63-1-A3.54	1	1.73	3.54	2.68	350.52
985Z-PSC63-1.1/4-A3.74	1.1/4	1.73	3.74	2.87	358.49

Specifications are subject to change without notice. No responsibility for errors and/or printing errors will be accepted.

Special Pricing Valid Until December 29th 2023!



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