

**ShrinkFit Tooling
MEGA SALE!!!**

rineck
• Werkzeugtechnik



Made in Germany

Over 2,600 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. 31st 2026



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



 Induktherm

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: tysontool.com/ecat-induktherm.htm

 Induktherm

rapid shrink II VCS

Table Top Shrink Unit



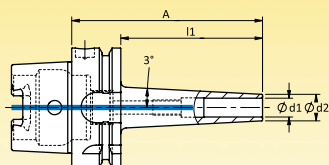
Induktherm rapid shrink II VC

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°

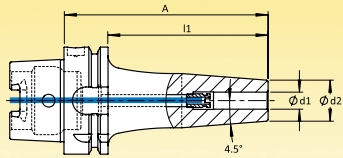


Product Order Number	d1	d2	A	l1	SPECIAL
925Z-A63-1/8-1.97	1/8	.28	2.99	1.97	321.04
925Z-A63-1/8-2.95			3.98	2.95	321.04
925Z-A63-1/8-3.94			4.96	3.94	338.89
925Z-A63-1/8-5.91			6.93	5.91	463.73
925Z-A63-3/16-1.97	3/16	.35	2.99	1.97	321.04
925Z-A63-3/16-2.95			3.98	2.95	321.04
925Z-A63-3/16-3.94			4.96	3.94	338.89
925Z-A63-3/16-5.91			6.93	5.91	463.73
925Z-A63-1/4-1.97	1/4	.39	2.99	1.97	276.47
925Z-A63-1/4-2.95			3.98	2.95	276.47
925Z-A63-1/4-3.94			4.96	3.94	294.29
925Z-A63-1/4-5.91			6.93	5.91	419.14
925Z-A63-1/4-7.87	5/16	.47	8.90	7.87	508.34
925Z-A63-5/16-1.97			2.99	1.97	276.47
925Z-A63-5/16-2.95			3.98	2.95	276.47
925Z-A63-5/16-3.94			4.96	3.94	294.29
925Z-A63-5/16-5.91	3/8	.55	6.93	5.91	419.14
925Z-A63-5/16-7.87			8.90	7.87	508.34
925Z-A63-3/8-1.97			2.99	1.97	276.47
925Z-A63-3/8-2.95			3.98	2.95	276.47
925Z-A63-3/8-3.94	7/16	.87	4.96	3.94	294.29
925Z-A63-3/8-5.91			6.93	5.91	419.14
925Z-A63-3/8-7.87			8.90	7.87	508.34
925Z-A63-7/16-1.97			2.99	1.97	276.47
925Z-A63-7/16-2.95	1/2	.87	3.98	2.95	276.47
925Z-A63-7/16-3.94			4.96	3.94	294.29
925Z-A63-7/16-5.91			6.93	5.91	419.14
925Z-A63-7/16-7.87			8.90	7.87	508.34
925Z-A63-1/2-1.97	1.1/4	1.73	2.99	1.97	276.47
925Z-A63-1/2-2.95			3.98	2.95	276.47
925Z-A63-1/2-3.94			4.96	3.94	294.29
925Z-A63-1/2-5.91			6.93	5.91	419.14
925Z-A63-1/2-7.87	1.5/8	2.13	8.90	7.87	508.34
925Z-A63-1.5/8-1.97			2.99	1.97	276.47
925Z-A63-1.5/8-2.95			3.98	2.95	276.47
925Z-A63-1.5/8-3.94			4.96	3.94	294.29
925Z-A63-1.5/8-5.91	2	2.72	6.93	5.91	419.14
925Z-A63-1.5/8-7.87			8.90	7.87	508.34
925Z-A63-2-1.97			2.99	1.97	276.47
925Z-A63-2-2.95			3.98	2.95	276.47
925Z-A63-2-3.94	2.5	3.30	4.96	3.94	294.29
925Z-A63-2-5.91			6.93	5.91	419.14
925Z-A63-2-7.87			8.90	7.87	508.34
925Z-A63-2.5-1.97			2.99	1.97	276.47
925Z-A63-2.5-2.95	3	3.94	3.98	2.95	276.47
925Z-A63-2.5-3.94			4.96	3.94	294.29
925Z-A63-2.5-5.91			6.93	5.91	419.14
925Z-A63-2.5-7.87			8.90	7.87	508.34
925Z-A63-3-1.97	3.5	4.53	2.99	1.97	276.47
925Z-A63-3-2.95			3.98	2.95	276.47
925Z-A63-3-3.94			4.96	3.94	294.29
925Z-A63-3-5.91			6.93	5.91	419.14
925Z-A63-3-7.87	4	5.12	8.90	7.87	508.34
925Z-A63-4-1.97			2.99	1.97	276.47
925Z-A63-4-2.95			3.98	2.95	276.47
925Z-A63-4-3.94			4.96	3.94	294.29
925Z-A63-4-5.91	4.5	5.72	6.93	5.91	419.14
925Z-A63-4-7.87			8.90	7.87	508.34
925Z-A63-4.5-1.97			2.99	1.97	276.47
925Z-A63-4.5-2.95			3.98	2.95	276.47
925Z-A63-4.5-3.94	5	6.30	4.96	3.94	294.29
925Z-A63-4.5-5.91			6.93	5.91	419.14
925Z-A63-4.5-7.87			8.90	7.87	508.34
925Z-A63-5-1.97			2.99	1.97	276.47
925Z-A63-5-2.95	5.5	6.90	3.98	2.95	276.47
925Z-A63-5-3.94			4.96	3.94	294.29
925Z-A63-5-5.91			6.93	5.91	419.14
925Z-A63-5-7.87			8.90	7.87	508.34
925Z-A63-5.5-1.97	6	7.50	2.99	1.97	276.47
925Z-A63-5.5-2.95			3.98	2.95	276.47
925Z-A63-5.5-3.94			4.96	3.94	294.29
925Z-A63-5.5-5.91			6.93	5.91	419.14
925Z-A63-5.5-7.87	6.5	8.10	8.90	7.87	508.34
925Z-A63-6-1.97			2.99	1.97	276.47
925Z-A63-6-2.95			3.98	2.95	276.47
925Z-A63-6-3.94			4.96	3.94	294.29
925Z-A63-6-5.91	7	8.70	6.93	5.91	419.14
925Z-A63-6-7.87			8.90	7.87	508.34
925Z-A63-7-1.97			2.99	1.97	276.47
925Z-A63-7-2.95			7.5	9.30	3.98
925Z-A63-7-3.94	4.96	3.94			294.29
925Z-A63-7-5.91	6.93	5.91			419.14
925Z-A63-7-7.87	8.90	7.87			508.34
925Z-A63-7.5-1.97	8	9.90	2.99	1.97	276.47
925Z-A63-7.5-2.95			3.98	2.95	276.47
925Z-A63-7.5-3.94			4.96	3.94	294.29
925Z-A63-7.5-5.91			6.93	5.91	419.14
925Z-A63-7.5-7.87	8.5	10.50	8.90	7.87	508.34
925Z-A63-8-1.97			2.99	1.97	276.47
925Z-A63-8-2.95			3.98	2.95	276.47
925Z-A63-8-3.94			4.96	3.94	294.29
925Z-A63-8-5.91	9	11.10	6.93	5.91	419.14
925Z-A63-8-7.87			8.90	7.87	508.34
925Z-A63-9-1.97			2.99	1.97	276.47
925Z-A63-9-2.95			9.5	11.70	3.98
925Z-A63-9-3.94	4.96	3.94			294.29
925Z-A63-9-5.91	6.93	5.91			419.14
925Z-A63-9-7.87	8.90	7.87			508.34
925Z-A63-9.5-1.97	10	12.30	2.99	1.97	276.47
925Z-A63-9.5-2.95			3.98	2.95	276.47
925Z-A63-9.5-3.94			4.96	3.94	294.29
925Z-A63-9.5-5.91			6.93	5.91	419.14
925Z-A63-9.5-7.87	10.5	12.90	8.90	7.87	508.34
925Z-A63-10-1.97			2.99	1.97	276.47
925Z-A63-10-2.95			3.98	2.95	276.47
925Z-A63-10-3.94			4.96	3.94	294.29
925Z-A63-10-5.91	11	13.50	6.93	5.91	419.14
925Z-A63-10-7.87			8.90	7.87	508.34
925Z-A63-11-1.97			2.99	1.97	276.47
925Z-A63-11-2.95			11.5	14.10	3.98
925Z-A63-11-3.94	4.96	3.94			294.29
925Z-A63-11-5.91	6.93	5.91			419.14
925Z-A63-11-7.87	8.90	7.87			508.34
925Z-A63-11.5-1.97	12	14.70	2.99	1.97	276.47
925Z-A63-11.5-2.95			3.98	2.95	276.47
925Z-A63-11.5-3.94			4.96	3.94	294.29
925Z-A63-11.5-5.91			6.93	5.91	419.14
925Z-A63-11.5-7.87	12.5	15.30	8.90	7.87	508.34
925Z-A63-12-1.97			2.99	1.97	276.47
925Z-A63-12-2.95			3.98	2.95	276.47
925Z-A63-12-3.94			4.96	3.94	294.29
925Z-A63-12-5.91	13	15.90	6.93	5.91	419.14
925Z-A63-12-7.87			8.90	7.87	508.34
925Z-A63-13-1.97			2.99	1.97	276.47
925Z-A63-13-2.95			13.5	16.50	3.98
925Z-A63-13-3.94	4.96	3.94			294.29
925Z-A63-13-5.91	6.93	5.91			419.14
925Z-A63-13-7.87	8.90	7.87			508.34
925Z-A63-13.5-1.97	14	17.10	2.99	1.97	276.47
925Z-A63-13.5-2.95			3.98	2.95	276.47
925Z-A63-13.5-3.94			4.96	3.94	294.29
925Z-A63-13.5-5.91			6.93	5.91	419.14
925Z-A63-13.5-7.87	14.5	17.70	8.90	7.87	508.34
925Z-A63-14-1.97			2.99	1.97	276.47
925Z-A63-14-2.95			3.98	2.95	276.47
925Z-A63-14-3.94			4.96	3.94	294.29
925Z-A63-14-5.91	15	18.30	6.93	5.91	419.14
925Z-A63-14-7.87			8.90	7.87	508.34
925Z-A63-15-1.97			2.99	1.97	276.47
925Z-A63-15-2.95			15.5	18.90	3.98
925Z-A63-15-3.94	4.96	3.94			294.29
925Z-A63-15-5.91	6.93	5.91			419.14
925Z-A63-15-7.87	8.90	7.87			508.34
925Z-A63-15.5-1.97	16	19.50	2.99	1.97	276.47
925Z-A63-15.5-2.95			3.98	2.95	276.47
925Z-A63-15.5-3.94			4.96	3.94	294.29
925Z-A63-15.5-5.91			6.93	5.91	419.14
925Z-A63-15.5-7.87	16.5	20.10	8.90	7.87	508.34
925Z-A63-16-1.97			2.99	1.97	276.47
925Z-A63-16-2.95			3.98	2.95	276.47
925Z-A63-16-3.94			4.96	3.94	294.29
925Z-A63-16-5.91	17	20.70	6.93	5.91	419.14
925Z-A63-16-7.87			8.90	7.87	508.34
925Z-A63-17-1.97			2.99	1.97	276.47
925Z-A63-17-2.95			17.5	21.30	3.98
925Z-A63-17-3.94	4.96	3.94			294.29
925Z-A63-17-5.91	6.93	5.91			419.14
925Z-A63-17-7.87	8.90	7.87			508.34
925Z-A63-17.5-1.97	18	21.90	2.99	1.97	276.47
925Z-A63-17.5-2.95			3.98	2.95	276.47
925Z-A63-17.5-3.94			4.96	3.94	294.29
925Z-A63-17.5-5.91			6.93	5.91	419.14
925Z-A63-17.5-7.87	18.5	22.50	8.90	7.87	508.34
925Z-A63-18-1.97			2.99	1.97	276.47
925Z-A63-18-2.95			3.98	2.95	276.47
925Z-A63-18-3.94			4.96	3.94	294.29
925Z-A63-18-5.91	19	23.10	6.93	5.91	419.14
925Z-A63-18-7.87			8.90	7.87	508.34
925Z-A63-19-1.97			2.99	1.97	276.47
925Z-A63-19-2.95			19.5	23.70	3.98
925Z-A63-19-3.94	4.96	3.94			294.29
925Z-A63-19-5.91	6.93	5.91			419.14
925Z-A63-19-7.87	8.90	7.87			508.34
925Z-A63-19.5-1.97	20	24.30	2.99	1.97	276.47
925Z-A63-19.5-2.95			3.98	2.95	276.47
925Z-A63-19.5-3.94			4.96	3.94	294.29
925Z-A63-19.5-5.91			6.93	5.91	419.14
925Z-A63-19.5-7.87	20.5	24.90	8.90	7.87	508.34
925Z-A63-20-1.97			2.99	1.97	276.47
925Z-A63-20-2.95			3.98	2.95	276.47
925Z-A63-20-3.94			4.96	3.94	294.29
925Z-A63-20-5.91	21	25.50	6.93	5.91	419.14
925Z-A63-20-7.87			8.90	7.87	508.34
925Z-A63-21-1.97			2.99	1.97	276.47
925Z-A63-21-2.95			21.5	26.10	3.98
925Z-A63-21-3.94	4.96	3.94			294.29
925Z-A63-21-5.91	6.93	5.91			419.14
925Z-A63-21-7.87	8.90	7.87			508.34
925Z-A63-21.5-1.97	22	26.70	2.99	1.97	276.47
925Z-A63-21.5-2.95			3.98	2.95	276.47
925Z-A63-21.5-3.94			4.96	3.94	294.29
925Z-A63-21.5-5.91			6.93	5.91	419.14
925Z-A63-21.5-7.87	22.5	27.30	8.90	7.87	508.34
925Z-A63-22-1.97			2.99	1.97	276.47
925Z-A63-22-2.95			3.98	2.95	276.47
925Z-A63-22-3.94			4.96	3.94	294.29
925Z-A63-22-5.91	23	27.90	6.93	5.91	419.14
925Z-A63-22-7.87			8.90	7.87	508.34
925Z-A63-23-1.97			2.99	1.97	276.47
925Z-A63-23-2.95			23.5	28.50	3.98
925Z-A63-23-3.94	4.96	3.94			294.29
925Z-A63-23-5.91	6.93	5.91			419.14
925Z-A63-23-7.87	8.90	7.87			508.34
925Z-A63-23.5-1.97	24	29.10	2.99	1.97	276.47
925Z-A63-23.5-2.95			3.98	2.95	276.47
925Z-A63-23.5-3.94			4.96	3.94	294.29
925Z-A63-23.5-5.91			6.93	5.91	419.14

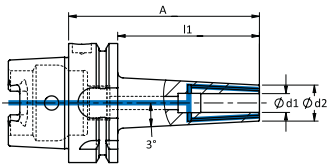
HSK-A63 ShrinkFit INCH

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	347.81
984Z-A63-1/4-A7.87			7.87	6.85	410.24
984Z-A63-5/16-A6.30	5/16	.83	6.30	5.28	347.81
984Z-A63-5/16-A7.87			7.87	6.85	410.24
984Z-A63-3/8-A6.30	3/8	.94	6.30	5.28	347.81
984Z-A63-3/8-A7.87			7.87	6.85	410.24
984Z-A63-1/2-A6.30	1/2	.94	6.30	5.28	347.81
984Z-A63-1/2-A7.87			7.87	6.85	410.24
984Z-A63-5/8-A6.30	5/8	1.06	6.30	5.28	347.81
984Z-A63-5/8-A7.87			7.87	6.85	410.24
984Z-A63-3/4-A6.30	3/4	1.30	6.30	5.28	347.81
984Z-A63-3/4-A7.87			7.87	6.85	410.24



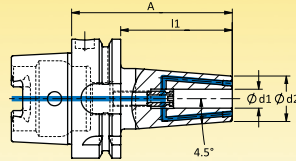
HSK-A63 ShrinkFit Chuck
Slim Execution 3°
w/3 Cooling Jets Ø 1mm
Series- 996Z

Product Order Number	d1	d2	A	l1	SPECIAL
996Z-A63-1/8-2.95	1/8	.43	3.98	2.95	392.39
996Z-A63-1/8-3.94			4.96	3.94	410.24
996Z-A63-3/16-2.95	3/16	.51	3.98	2.95	392.39
996Z-A63-3/16-3.94			4.96	3.94	410.24
996Z-A63-1/4-2.95	1/4	.59	3.98	2.95	338.89
996Z-A63-1/4-3.94			4.96	3.94	356.72
996Z-A63-1/4-5.91			6.93	5.91	472.66
996Z-A63-5/16-1.97	5/16	.67	2.99	1.97	338.89
996Z-A63-5/16-2.95			3.98	2.95	338.89
996Z-A63-5/16-3.94			4.96	3.94	356.72
996Z-A63-5/16-5.91	3/8	.75	6.93	5.91	472.66
996Z-A63-3/8-1.97			2.99	1.97	338.89
996Z-A63-3/8-2.95			3.98	2.95	338.89
996Z-A63-3/8-3.94	7/16	.87	4.96	3.94	356.72
996Z-A63-3/8-5.91			6.93	5.91	472.66
996Z-A63-7/16-1.97			2.99	1.97	338.89
996Z-A63-7/16-2.95	7/16	.87	3.98	2.95	338.89
996Z-A63-7/16-3.94			4.96	3.94	356.72
996Z-A63-7/16-5.91			6.93	5.91	472.66

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	329.96
995Z-A63-1/8-A4.72			4.72	3.70	356.72
995Z-A63-3/16-A3.15	3/16	.55	3.15	2.13	329.96
995Z-A63-3/16-A4.72			4.72	3.70	356.72
995Z-A63-1/4-A3.15	1/4	.83	3.15	2.13	285.37
995Z-A63-1/4-A4.72			4.72	3.70	306.79
995Z-A63-1/4-A5.12			5.12	4.09	322.33
995Z-A63-1/4-A6.30			6.30	5.28	401.31
995Z-A63-5/16-A3.15	5/16	.83	3.15	2.13	285.37
995Z-A63-5/16-A4.72			4.72	3.70	306.79
995Z-A63-5/16-A5.12			5.12	4.09	322.33
995Z-A63-5/16-A6.30	3/8	.94	6.30	5.28	401.31
995Z-A63-3/8-A3.35			3.35	2.32	285.37
995Z-A63-3/8-A4.72			4.72	3.70	306.79
995Z-A63-3/8-A5.12	1/2	.94	5.12	4.09	322.33
995Z-A63-3/8-A6.30			6.30	5.28	401.31
995Z-A63-1/2-A3.54			3.54	2.52	285.37
995Z-A63-1/2-A4.72	5/8	1.06	4.72	3.70	306.79
995Z-A63-1/2-A5.12			5.12	4.09	322.33
995Z-A63-1/2-A6.30			6.30	5.28	401.31
995Z-A63-5/8-A3.74	3/4	1.30	3.74	2.72	285.37
995Z-A63-5/8-A4.72			4.72	3.70	306.79
995Z-A63-5/8-A5.12			5.12	4.09	322.33
995Z-A63-5/8-A6.30	1	1.73	6.30	5.28	401.31
995Z-A63-3/4-A3.94			3.94	2.91	285.37
995Z-A63-3/4-A4.72			4.72	3.70	306.79
995Z-A63-3/4-A5.12	1	1.73	5.12	4.09	322.33
995Z-A63-3/4-A6.30			6.30	5.28	401.31
995Z-A63-1-A4.53	1	1.73	4.53	3.50	322.82

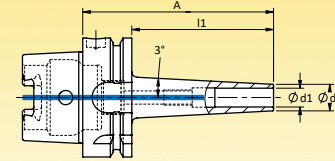
Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	17.47	952-A32	62.36
HSK-A40	951-A40	17.47	952-A40	62.36
HSK-A50	951-A50	18.37	952-A50	62.36
HSK-A63	951-A63	19.38	952-A63	64.94
HSK-A80	951-A80	19.99	952-A80	85.74
HSK-A100	951-A100	21.76	952-A100	80.53

HSK-A63 ShrinkFit METRIC

Series- 925

HSK-A63 ShrinkFit Chuck
Extra Slim Execution 3°

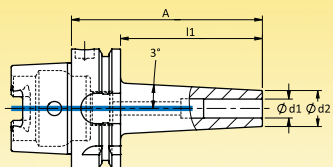


Product Order Number	d1	d2	A	l1	SPECIAL
925-A630350	3	7	76	50	321.04
925-A630375			101	75	321.04
925-A6303100			126	100	338.89
925-A6303150	4	8	176	150	463.73
925-A630450			76	50	321.04
925-A630475			101	75	321.04
925-A6304100			126	100	338.89
925-A6304150	6	10	176	150	463.73
925-A630650			76	50	276.47
925-A630675			101	75	276.47
925-A6306100			126	100	294.29
925-A6306125			151	125	392.39
925-A6306150	8	12	176	150	419.14
925-A6306200			226	200	508.34
925-A6306250			276	250	588.58
925-A6306300			326	300	677.78
925-A630850	10	14	76	50	276.47
925-A630875			101	75	276.47
925-A6308100			126	100	294.29
925-A6308150			176	150	419.14
925-A6308200			226	200	508.34
925-A6308250	12	16	276	250	588.58
925-A6308300			326	300	677.78
925-A631050			76	50	276.47
925-A631075			101	75	276.47
925-A6310100	12	16	126	100	294.29
925-A6310150			176	150	419.14
925-A6310200			226	200	508.34
925-A6310250			276	250	588.58
925-A6310300	12	16	326	300	677.78
925-A631275			101	75	276.47
925-A6312100			126	100	294.29
925-A6312150			176	150	419.14
925-A6312200	12	16	226	200	508.34

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	276.47
915-A630375			101	75	285.37
915-A6303100			126	100	303.22
915-A6303150			176	150	410.24
915-A6303200			226	200	499.41
915-A6303300			326	300	651.03
915-A630450	4	11	76	50	276.47
915-A630475			101	75	285.37
915-A6304100			126	100	303.22
915-A6304150			176	150	410.24
915-A6304200			226	200	499.41
915-A6304300			326	300	651.03
915-A630550	5	13	76	50	276.47
915-A630575			101	75	285.37
915-A6305100			126	100	303.22
915-A6305150			176	150	410.24
915-A6305200	6	15	226	200	499.41
915-A630650			76	50	231.87
915-A630675			101	75	240.80
915-A6306100			126	100	253.26
915-A6306125			151	125	338.89
915-A6306150			176	150	365.64
915-A6306175			201	175	410.24
915-A6306200			226	200	454.81
915-A6306250			276	250	517.26
915-A6306300			326	300	606.43
915-A6306350			376	350	740.20
915-A630850	8	17	76	50	231.87
915-A630875			101	75	240.80
915-A6308100			126	100	253.26
915-A6308125			151	125	338.89
915-A6308150			176	150	365.64
915-A6308175			201	175	410.24
915-A6308200			226	200	454.81
915-A6308250			276	250	517.26
915-A6308300			326	300	606.43
915-A6308350			376	350	740.20

Series- 915
...continued

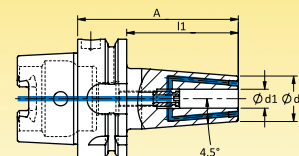
HSK-A63 ShrinkFit Chuck
Slim Execution 3°

Product Order Number	d1	d2	A	l1	SPECIAL
915-A631050	10	19	76	50	231.87
915-A631075			101	75	240.80
915-A6310100			126	100	253.26
915-A6310125			151	125	338.89
915-A6310150			176	150	365.64
915-A6310175			201	175	410.24
915-A6310200			226	200	454.81
915-A6310250			276	250	517.26
915-A6310300			326	300	606.43
915-A6310350			376	350	740.20
915-A631250	12	22	76	50	231.87
915-A631275			101	75	240.80
915-A6312100			126	100	253.26
915-A6312125			151	125	338.89
915-A6312150			176	150	365.64
915-A6312175			201	175	410.24
915-A6312200			226	200	454.81
915-A6312250			276	250	517.26
915-A6312300			326	300	606.43
915-A6312350			376	350	740.20
915-A631450	14	24	76	50	267.54
915-A6314100			126	100	294.29
915-A6314150			176	150	365.64
915-A6314200			226	200	454.81
915-A6314250			276	250	517.26
915-A6314300			326	300	606.43
915-A6314350			376	350	740.20
915-A631660			86	60	240.80
915-A631675			101	75	240.80
915-A6316100			126	100	253.26
915-A6316150	16	27	176	150	365.64
915-A6316200			226	200	454.81
915-A6316250			276	250	517.26
915-A6316300			326	300	606.43
915-A6316350			376	350	740.20
915-A631865	18	30	91	65	276.47
915-A6318100			126	100	294.29
915-A632065			91	65	240.80
915-A632075			101	75	240.80
915-A6320100			126	100	253.26
915-A6320125			151	125	338.89
915-A6320150			176	150	365.64
915-A6320200			226	200	454.81
915-A6320250			276	250	517.26
915-A6320300			326	300	606.43

HSK-A63 ShrinkFit METRIC

Series- 995

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



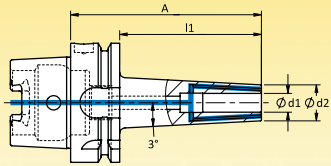
Product Order Number	d1	d2	A	l1	SPECIAL
995-A6303A80	3	11	80	54	329.96
995-A6303A120			120	94	356.72
995-A6303A160			160	134	445.91
995-A6304A80	4	14	80	54	329.96
995-A6304A120			120	94	356.72
995-A6304A160			160	134	445.91
995-A6305A80	5	16	80	54	329.96
995-A6305A120			120	94	356.72
995-A6305A160			160	134	445.91
995-A6306A80	6	21	80	54	285.37
995-A6306A120			120	94	306.79
995-A6306A160			160	134	401.31
995-A6308A80	8	21	80	54	285.37
995-A6308A120			120	94	306.79
995-A6308A160			160	134	401.31
995-A6310A85	10	24	85	59	285.37
995-A6310A120			120	94	306.79
995-A6310A160			160	134	401.31
995-A6312A90	12	24	90	64	294.29
995-A6312A120			120	94	306.79
995-A6312A160			160	134	401.31
995-A6314A90	14	27	90	64	294.29
995-A6314A120			120	94	306.79
995-A6316A95	16	27	95	69	294.29
995-A6316A120			120	94	306.79
995-A6318A95	18	33	95	69	294.29
995-A6318A120			120	94	306.79
995-A6320A100	20	33	100	74	294.29
995-A6320A120			120	94	306.79
995-A6325A115	25	44	115	89	322.82
995-A6332A120	32	44	120	94	322.82

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

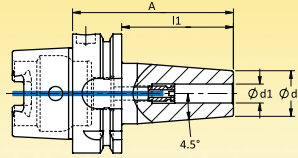


Product Order Number	d1	d2	A	l1	SPECIAL
996-A630350	3	11	76	50	383.49
996-A630375			101	75	392.39
996-A6303100			126	100	410.24
996-A630450	4	11	76	50	383.49
996-A630475			101	75	392.39
996-A6304100			126	100	410.24
996-A6304150			176	150	517.26
996-A6304200			226	200	606.43
996-A6304300			326	300	758.03
996-A630575	5	13	101	75	392.39
996-A6305100			126	100	410.24
996-A6305150			176	150	517.26
996-A630650	6	15	76	50	338.89
996-A630675			101	75	338.89
996-A6306100			126	100	356.72
996-A6306125			151	125	445.91
996-A6306150			176	150	472.66
996-A6306200			226	200	561.83
996-A630850	8	17	76	50	338.89
996-A630875			101	75	338.89
996-A6308100			126	100	356.72
996-A6308125			151	125	445.91
996-A6308150			176	150	472.66
996-A6308200			226	200	561.83
996-A631050	10	19	76	50	338.89
996-A631075			101	75	338.89
996-A6310100			126	100	356.72
996-A6310125			151	125	445.91
996-A6310150			176	150	472.66
996-A6310200			226	200	561.83
996-A631250	12	22	76	50	338.89
996-A631275			101	75	338.89
996-A6312100			126	100	356.72
996-A6312125			151	125	445.91
996-A6312150			176	150	472.66
996-A6312200			226	200	561.83

HSK-A63 ShrinkFit METRIC

Series- 985

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

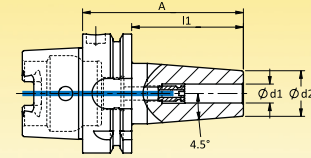


Product Order Number	d1	d2	A	l1	SPECIAL
985-A6303A80	3	11	80	54	276.47
985-A6303A120			120	94	303.22
985-A6303A160			160	134	392.39
985-A6304A80	4	14	80	54	276.47
985-A6304A120			120	94	303.22
985-A6304A160			160	134	392.39
985-A6305A80	5	16	80	54	276.47
985-A6305A120			120	94	303.22
985-A6305A160			160	134	392.39
985-A6306A70	6	21	70	44	231.87
985-A6306A80			80	54	231.87
985-A6306A120			120	94	253.26
985-A6306A160			160	134	347.81
985-A6306A200			200	174	410.24
985-A6307A80	7	21	80	54	312.14
985-A6308A70			70	44	231.87
985-A6308A80			80	54	231.87
985-A6308A120	8	21	120	94	253.26
985-A6308A160			160	134	347.81
985-A6308A200			200	174	410.24
985-A6309A85	9	24	85	59	312.14
985-A6310A70			70	44	231.87
985-A6310A85			85	59	231.87
985-A6310A120	10	24	120	94	253.26
985-A6310A160			160	134	347.81
985-A6310A200			200	174	410.24
985-A6311A90	11	24	90	64	312.14
985-A6312A70			70	44	231.87
985-A6312A90			90	64	231.87
985-A6312A120	12	24	120	94	253.26
985-A6312A160			160	134	347.81
985-A6312A200			200	174	410.24
985-A6313A90	13	27	90	64	312.14

HSK-A63 ShrinkFit METRIC

Series- 985

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



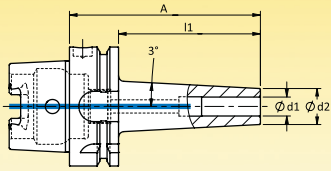
Product Order Number	d1	d2	A	l1	SPECIAL
985-A6314A75	14	27	75	49	231.87
985-A6314A90			90	64	231.87
985-A6314A120			120	94	253.26
985-A6314A160	15	27	160	134	347.81
985-A6315A95			95	69	312.14
985-A6316A75	16	27	75	49	231.87
985-A6316A95			95	69	231.87
985-A6316A120			120	94	253.26
985-A6316A160			160	134	347.81
985-A6316A200			200	174	410.24
985-A6318A95	18	33	95	69	231.87
985-A6318A120			120	94	253.26
985-A6318A160			160	134	347.81
985-A6320A100	20	33	100	74	240.80
985-A6320A120			120	94	253.26
985-A6320A160			160	134	347.81
985-A6320A200			200	174	410.24
985-A6322A100	22	33	100	74	312.14
985-A6325A115			115	89	253.26
985-A6325A160			160	134	347.81
985-A6325A200	25	44	200	174	410.24
985-A6332A120			120	94	253.26
985-A6332A160			160	134	347.81

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	408.17
915Z-A100-3/16-3.94			5.08	3.94	453.99
915Z-A100-3/16-5.91			7.05	5.91	510.20
915Z-A100-3/16-7.87			9.02	7.87	621.53
915Z-A100-1/4-2.95	1/4	.59	4.10	2.95	380.34
915Z-A100-1/4-3.94			5.08	3.94	408.17
915Z-A100-1/4-5.91			7.05	5.91	473.11
915Z-A100-1/4-7.87			9.02	7.87	565.88
915Z-A100-5/16-2.95	5/16	.67	4.10	2.95	380.34
915Z-A100-5/16-3.94			5.08	3.94	408.17
915Z-A100-5/16-5.91			7.05	5.91	473.11
915Z-A100-5/16-7.87			9.02	7.87	565.88
915Z-A100-3/8-2.95	3/8	.75	4.10	2.95	380.34
915Z-A100-3/8-3.94			5.08	3.94	408.17
915Z-A100-3/8-5.91			7.05	5.91	473.11
915Z-A100-3/8-7.87			9.02	7.87	565.88
915Z-A100-1/2-2.95	1/2	.87	4.10	2.95	380.34
915Z-A100-1/2-3.94			5.08	3.94	408.17
915Z-A100-1/2-5.91			7.05	5.91	473.11
915Z-A100-1/2-7.87			9.02	7.87	565.88

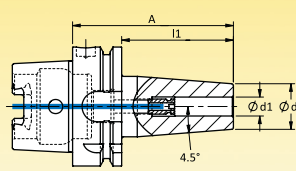
Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	17.47	952-A32	62.36
HSK-A40	951-A40	17.47	952-A40	62.36
HSK-A50	951-A50	18.37	952-A50	62.36
HSK-A63	951-A63	19.38	952-A63	64.94
HSK-A80	951-A80	19.99	952-A80	85.74
HSK-A100	951-A100	21.76	952-A100	80.53

HSK-A100 ShrinkFit INCH

Series- 985Z

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

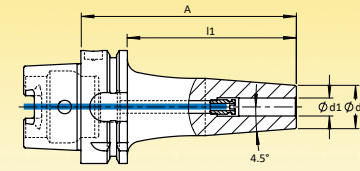


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-A100-1/4-A3.35	1/4	.83	3.35	2.20	352.52
985Z-A100-1/4-A4.72			4.72	3.58	398.90
985Z-A100-1/4-A6.30			6.30	5.16	435.99
985Z-A100-1/4-A7.87			7.87	6.73	500.93
985Z-A100-5/16-A3.35	5/16	.83	3.35	2.20	352.52
985Z-A100-5/16-A4.72			4.72	3.58	398.90
985Z-A100-5/16-A6.30			6.30	5.16	435.99
985Z-A100-5/16-A7.87			7.87	6.73	500.93
985Z-A100-3/8-A3.54	3/8	.94	3.54	2.40	352.52
985Z-A100-3/8-A4.72			4.72	3.58	398.90
985Z-A100-3/8-A6.30			6.30	5.16	435.99
985Z-A100-3/8-A7.87			7.87	6.73	500.93
985Z-A100-1/2-A3.74	1/2	.94	3.74	2.60	352.52
985Z-A100-1/2-A4.72			4.72	3.58	398.90
985Z-A100-1/2-A6.30			6.30	5.16	435.99
985Z-A100-1/2-A7.87			7.87	6.73	500.93
985Z-A100-5/8-A3.94	5/8	1.06	3.94	2.80	352.52
985Z-A100-5/8-A4.72			4.72	3.58	398.90
985Z-A100-5/8-A6.30			6.30	5.16	435.99
985Z-A100-5/8-A7.87			7.87	6.73	500.93
985Z-A100-3/4-A4.13	3/4	1.30	4.13	2.99	352.52
985Z-A100-3/4-A4.72			4.72	3.58	398.90
985Z-A100-3/4-A6.30			6.30	5.16	435.99
985Z-A100-3/4-A7.87			7.87	6.73	500.93
985Z-A100-1-A4.53	1	1.73	4.53	3.39	398.90
985Z-A100-1-A6.30			6.30	5.16	435.99
985Z-A100-1-A7.87			7.87	6.73	500.93
985Z-A100-1.1/4-A4.72	1.1/4	1.73	4.72	3.58	398.90
985Z-A100-1.1/4-A6.30			6.30	5.16	435.99

HSK-A100 ShrinkFit INCH

Series- 984Z

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



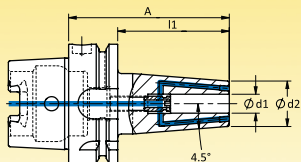
Product Order Number	d1	d2	A	l1	SPECIAL
984Z-A100-1/4-A5.12	1/4	.83	5.12	3.98	417.01
984Z-A100-1/4-A6.30			6.30	5.16	435.99
984Z-A100-1/4-A7.87			7.87	6.73	500.93
984Z-A100-1/4-A9.84			9.84	8.70	621.53
984Z-A100-5/16-A5.12	5/16	.83	5.12	3.98	417.01
984Z-A100-5/16-A6.30			6.30	5.16	435.99
984Z-A100-5/16-A7.87			7.87	6.73	500.93
984Z-A100-5/16-A9.84			9.84	8.70	621.53
984Z-A100-3/8-A5.12	3/8	.94	5.12	3.98	417.01
984Z-A100-3/8-A6.30			6.30	5.16	435.99
984Z-A100-3/8-A7.87			7.87	6.73	500.93
984Z-A100-3/8-A9.84			9.84	8.70	621.53
984Z-A100-1/2-A5.12	1/2	.94	5.12	3.98	417.01
984Z-A100-1/2-A6.30			6.30	5.16	435.99
984Z-A100-1/2-A7.87			7.87	6.73	500.93
984Z-A100-1/2-A9.84			9.84	8.70	621.53
984Z-A100-5/8-A5.12	5/8	1.06	5.12	3.98	417.01
984Z-A100-5/8-A6.30			6.30	5.16	435.99
984Z-A100-5/8-A7.87			7.87	6.73	500.93
984Z-A100-5/8-A9.84			9.84	8.70	621.53
984Z-A100-3/4-A5.12	3/4	1.30	5.12	3.98	417.01
984Z-A100-3/4-A6.30			6.30	5.16	435.99
984Z-A100-3/4-A7.87			7.87	6.73	500.93
984Z-A100-3/4-A9.84			9.84	8.70	621.53
984Z-A100-1-A5.12	1	1.73	5.12	3.98	417.01
984Z-A100-1-A6.30			6.30	5.16	435.99
984Z-A100-1-A7.87			7.87	6.73	500.93

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

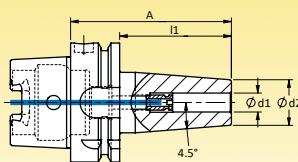


Product Order Number	d1	d2	A	l1	SPECIAL
995Z-A100-1/4-A3.35	1/4	.83	3.35	2.20	426.72
995Z-A100-1/4-A4.72			4.72	3.58	473.11
995Z-A100-1/4-A6.30			6.30	5.16	510.20
995Z-A100-1/4-A7.87			7.87	6.73	575.14
995Z-A100-5/16-A3.35	5/16	.83	3.35	2.20	426.72
995Z-A100-5/16-A4.72			4.72	3.58	473.11
995Z-A100-5/16-A6.30			6.30	5.16	510.20
995Z-A100-5/16-A7.87			7.87	6.73	575.14
995Z-A100-3/8-A3.54	3/8	.94	3.54	2.40	426.72
995Z-A100-3/8-A4.72			4.72	3.58	473.11
995Z-A100-3/8-A6.30			6.30	5.16	510.20
995Z-A100-3/8-A7.87			7.87	6.73	575.14
995Z-A100-1/2-A3.74	1/2	.94	3.74	2.60	426.72
995Z-A100-1/2-A4.72			4.72	3.58	473.11
995Z-A100-1/2-A6.30			6.30	5.16	510.20
995Z-A100-1/2-A7.87			7.87	6.73	575.14
995Z-A100-5/8-A3.94	5/8	1.06	3.94	2.80	426.72
995Z-A100-5/8-A4.72			4.72	3.58	473.11
995Z-A100-5/8-A6.30			6.30	5.16	510.20
995Z-A100-5/8-A7.87			7.87	6.73	575.14
995Z-A100-3/4-A4.13	3/4	1.30	4.13	2.99	426.72
995Z-A100-3/4-A4.72			4.72	3.58	473.11
995Z-A100-3/4-A6.30			6.30	5.16	510.20
995Z-A100-3/4-A7.87			7.87	6.73	575.14
995Z-A100-1-A4.53	1	1.73	4.53	3.39	473.11
995Z-A100-1-A6.30			6.30	5.16	510.20
995Z-A100-1-A7.87			7.87	6.73	575.14

HSK-A100 ShrinkFit METRIC

Series- 985

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

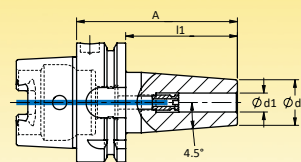


Product Order Number	d1	d2	A	l1	SPECIAL
985-A10003A120	3	11	120	91	454.55
985-A10004A85	4	14	85	56	408.17
985-A10004A120			120	91	454.55
985-A10005A85	5	16	85	56	408.17
985-A10006A85	6	21	85	56	352.52
985-A10006A120			120	91	398.90
985-A10006A160			160	131	435.99
985-A10006A200			200	171	500.93
985-A10006A250	7	21	250	221	621.53
985-A10007A120			120	91	500.93
985-A10008A85	8	21	85	56	352.52
985-A10008A120			120	91	398.90
985-A10008A160			160	131	435.99
985-A10008A200			200	171	500.93
985-A10008A250	9	24	250	221	621.53
985-A10009A120			120	91	500.93
985-A10010A90	10	24	90	61	352.52
985-A10010A120			120	91	398.90
985-A10010A160			160	131	435.99
985-A10010A200			200	171	500.93
985-A10010A250	11	24	250	221	621.53
985-A10011A120			120	91	500.93
985-A10012A95	12	24	95	66	352.52
985-A10012A120			120	91	398.90
985-A10012A160			160	131	435.99
985-A10012A200			200	171	500.93
985-A10012A250	13	27	250	221	621.53
985-A10013A120			120	91	500.93
985-A10014A95	14	27	95	66	352.52
985-A10014A120			120	91	398.90
985-A10014A160			160	131	435.99
985-A10014A200			200	171	500.93
985-A10014A250	15	27	250	221	621.53
985-A10015A100			100	71	500.93

HSK-A100 ShrinkFit METRIC

Series- 985

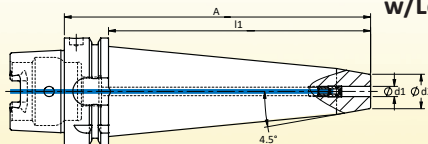
HSK-A100 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw



Product Order Number	d1	d2	A	l1	SPECIAL
985-A10016A100	16	27	100	71	371.07
985-A10016A120			120	91	398.90
985-A10016A160			160	131	435.99
985-A10016A200			200	171	500.93
985-A10016A250	18	33	250	221	621.53
985-A10018A100			100	71	371.07
985-A10018A120			120	91	398.90
985-A10018A160			160	131	435.99
985-A10018A200	20	33	200	171	500.93
985-A10018A250			250	221	621.53
985-A10020A105	25	44	105	76	371.07
985-A10020A120			120	91	398.90
985-A10020A160			160	131	435.99
985-A10020A200			200	171	500.93
985-A10020A250	32	44	250	221	621.53
985-A10025A115			115	86	398.90
985-A10025A160			160	131	435.99
985-A10025A200			200	171	500.93
985-A10032A120	32	44	120	91	398.90
985-A10032A160			160	131	435.99

Series- 985

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



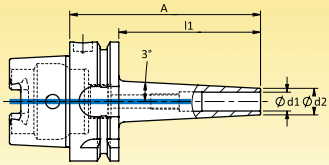
Product Order Number	d1	d2	A	l1	SPECIAL
985-A10006A329S	6	21	329	300	999.50
985-A10008A329S	8	21	329	300	999.50
985-A10010A329S	10	24	329	300	999.50
985-A10012A329S	12	24	329	300	999.50
985-A10016A329S	16	27	329	300	999.50
985-A10020A329S	20	33	329	300	999.50
985-A10025A329S	25	44	329	300	999.50

180 Metric and 103 Inch HSK-A100
ShrinkFit Tools Available

HSK-A100 ShrinkFit METRIC

Series- 925

HSK-A100 ShrinkFit Chuck
Extra Slim Execution 3°

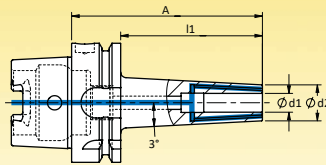


Product Order Number	d1	d2	A	l1	SPECIAL
925-A10004100	4	8	129	100	673.47
925-A10004150			179	150	738.41
925-A1000675	6	10	104	75	547.31
925-A10006100			129	100	593.70
925-A10006150			179	150	677.18
925-A10006200	8	12	229	200	816.32
925-A10008100			129	100	593.70
925-A10008150			179	150	677.18
925-A10008200	10	14	229	200	816.32
925-A10010100			129	100	593.70
925-A10010150			179	150	677.18
925-A10010200	12	16	229	200	816.32
925-A10012100			129	100	593.70
925-A10012150			179	150	677.18
925-A10012200			229	200	816.32

HSK-A100 ShrinkFit METRIC

Series- 996

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

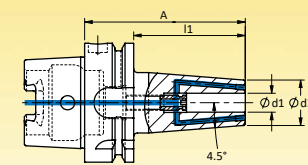


Product Order Number	d1	d2	A	l1	SPECIAL
996-A10004100	4	11	129	100	565.88
996-A10004150			179	150	649.35
996-A10004200	6	15	229	200	751.38
996-A10006100			129	100	558.02
996-A10006150			179	150	602.96
996-A10006200	8	17	229	200	695.73
996-A10008100			129	100	538.02
996-A10008150			179	150	602.96
996-A10008200	10	19	229	200	695.73
996-A10010100			129	100	538.02
996-A10010150			179	150	602.96
996-A10010200			229	200	695.73

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	426.72
995-A10006A120			120	91	473.11
995-A10006A160			160	131	510.20
995-A10006A200	8	21	200	171	575.14
995-A10008A85			85	56	426.72
995-A10008A120			120	91	473.11
995-A10008A160	10	24	160	131	510.20
995-A10008A200			200	171	575.14
995-A10010A90			90	61	426.72
995-A10010A120	12	24	120	91	473.11
995-A10010A160			160	131	510.20
995-A10010A200			200	171	575.14
995-A10012A95	14	27	95	66	426.72
995-A10012A120			120	91	473.11
995-A10012A160			160	131	510.20
995-A10012A200	16	27	200	171	575.14
995-A10014A95			95	66	426.72
995-A10014A120			120	91	473.11
995-A10014A160	18	33	160	131	510.20
995-A10014A200			200	171	575.14
995-A10016A100			100	71	426.72
995-A10016A120	20	33	120	91	473.11
995-A10016A160			160	131	510.20
995-A10016A200			200	171	575.14
995-A10018A100	25	44	100	71	473.11
995-A10018A160			160	131	510.20
995-A10020A120			120	91	473.11
995-A10020A160			160	131	510.020
995-A10020A200			200	171	575.14
995-A10025A115			115	86	473.11
995-A10025A160			160	131	510.20

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"

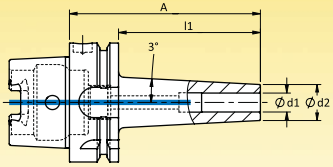
Induction Shrink Technology in a few easy steps



HSK-A100 ShrinkFit METRIC

Series- 915

HSK-A100 ShrinkFit Chuck
Slim Execution 3°

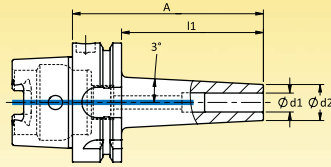


Product Order Number	d1	d2	A	l1	SPECIAL
915-A10003100	3	11	129	100	547.31
915-A10003150			179	150	621.53
915-A10003200			229	200	621.53
915-A1000450	4	11	79	50	380.34
915-A1000475			104	75	408.17
915-A10004100			129	100	435.99
915-A10004150			179	150	510.20
915-A10004200	5	13	229	200	621.53
915-A10005100			129	100	473.11
915-A10005150			179	150	510.20
915-A1000658	6	15	87	58	352.52
915-A1000675			104	75	380.34
915-A10006100			129	100	408.17
915-A10006150			179	150	473.11
915-A10006200			229	200	565.88
915-A10006300	8	17	329	300	899.83
915-A1000858			87	58	352.52
915-A1000875			104	75	380.34
915-A10008100			129	100	408.17
915-A10008150			179	150	473.11
915-A10008200			229	200	565.88
915-A10008300	10	19	329	300	899.83
915-A1001050			79	50	352.52
915-A1001075			104	75	380.34
915-A10010100			129	100	408.17
915-A10010150			179	150	473.11
915-A10010200	12	22	229	200	565.88
915-A10010200			229	200	565.88
915-A10010300			329	300	899.83
915-A1001250			79	50	352.52
915-A1001275	12	22	104	75	380.34
915-A10012100			129	100	408.17
915-A10012150			179	150	473.11
915-A10012200			229	200	565.88
915-A10012300			329	300	899.83

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	352.52
915-A1001475			104	75	380.34
915-A10014100			129	100	408.17
915-A10014150			179	150	473.11
915-A10014200			229	200	565.88
915-A10014300	16	27	329	300	899.83
915-A1001660			89	60	380.34
915-A1001675			104	75	380.34
915-A10016100			129	100	408.17
915-A10016150	18	30	179	150	473.11
915-A10016200			229	200	565.88
915-A10016300			329	300	899.83
915-A1001865			94	65	380.34
915-A1001875			104	75	380.34
915-A10018100	20	33	129	100	408.17
915-A10018150			179	150	473.11
915-A10018200			229	200	565.88
915-A10018300			329	300	899.83
915-A1002065	25	44	94	65	380.34
915-A1002075			104	75	380.34
915-A10020100			129	100	408.17
915-A10020150			179	150	473.11
915-A10020200			229	200	565.88
915-A10020300	25	44	329	300	899.83
915-A1002575			104	75	380.34
915-A10025100			129	100	408.17
915-A10025150			179	150	473.11

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	196.56
990-393	5/16 - 1.00	254.52

Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	17.47	952-A32	62.36
HSK-A40	951-A40	17.47	952-A40	62.36
HSK-A50	951-A50	18.37	952-A50	62.36
HSK-A63	951-A63	19.38	952-A63	64.94
HSK-A80	951-A80	19.99	952-A80	85.74
HSK-A100	951-A100	21.76	952-A100	80.53

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



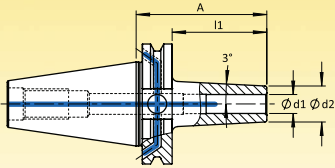
Induktherm Rapid Shrink

Induction Unit 600 volt / 10kW

CAT40 ShrinkFit INCH

Series- 945Z

CAT40 ShrinkFit Chuck
Slim Execution 3°

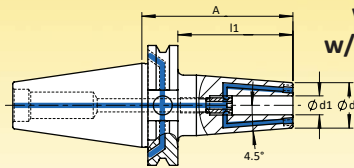


Product Order Number	d1	d2	A	l1	SPECIAL
945Z-CAT40-1/8-2.95	1/8	.43	3.70	2.95	257.49
945Z-CAT40-1/8-3.94			4.69	3.94	271.90
945Z-CAT40-1/8-5.91			6.66	5.91	387.17
945Z-CAT40-1/8-7.87			8.62	7.87	477.17
945Z-CAT40-3/16-2.95	3/16	.51	3.70	2.95	257.49
945Z-CAT40-3/16-3.94			4.69	3.94	271.90
945Z-CAT40-3/16-5.91			6.66	5.91	387.17
945Z-CAT40-1/4-2.95	1/4	.59	3.70	2.95	221.50
945Z-CAT40-1/4-3.94			4.69	3.94	235.88
945Z-CAT40-1/4-5.91			6.66	5.91	351.15
945Z-CAT40-1/4-7.87			8.62	7.87	441.16
945Z-CAT40-5/16-2.95	5/16	.67	3.70	2.95	221.50
945Z-CAT40-5/16-3.94			4.69	3.94	235.88
945Z-CAT40-5/16-5.91			6.66	5.91	351.15
945Z-CAT40-3/8-2.95	3/8	.75	3.70	2.95	221.50
945Z-CAT40-3/8-3.94			4.69	3.94	235.88
945Z-CAT40-3/8-5.91			6.66	5.91	351.15
945Z-CAT40-1/2-2.95	1/2	.87	3.70	2.95	221.50
945Z-CAT40-1/2-3.94			4.69	3.94	235.88
945Z-CAT40-1/2-5.91			6.66	5.91	351.15

CAT40 ShrinkFit INCH

Series- 995Z

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

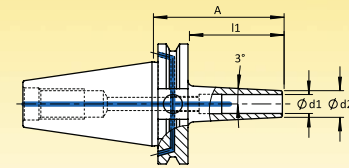


Product Order Number	d1	d2	A	l1	SPECIAL
995Z-CAT40-1/8-A3.15	1/8	.43	3.15	2.40	304.32
995Z-CAT40-3/16-A3.15	3/16	.55	3.15	2.40	304.32
995Z-CAT40-1/4-A3.15	1/4	.83	3.15	2.40	259.30
995Z-CAT40-1/4-A4.72			4.72	3.97	281.71
995Z-CAT40-5/16-A3.15	5/16	.83	3.15	2.40	259.30
995Z-CAT40-5/16-A4.72			4.72	3.97	282.71
995Z-CAT40-3/8-A3.15	3/8	.94	3.15	2.40	259.30
995Z-CAT40-3/8-A4.72			4.72	3.97	282.71
995Z-CAT40-7/16-A3.15	7/16	.94	3.15	2.40	259.30
995Z-CAT40-7/16-A4.72			4.72	3.97	282.71
995Z-CAT40-1/2-A3.15	1/2	.94	3.15	2.40	259.30
995Z-CAT40-1/2-A4.72			4.72	3.97	282.71
995Z-CAT40-5/8-A3.15	5/8	1.06	3.15	2.40	259.30
995Z-CAT40-5/8-A4.72			4.72	3.97	282.71
995Z-CAT40-3/4-A3.15	3/4	1.30	3.15	2.40	259.30
995Z-CAT40-3/4-A4.72			4.72	3.97	282.71
995Z-CAT40-7/8-A3.15	7/8	1.30	3.15	2.40	259.30
995Z-CAT40-7/8-A4.72			4.72	3.97	282.71
995Z-CAT40-1-A3.94	1	1.73	3.94	3.19	282.71

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	306.13
925Z-CAT40-1/8-3.94			4.96	3.94	324.14
925Z-CAT40-3/16-2.95	3/16	.35	3.70	2.95	306.13
925Z-CAT40-3/16-3.94			4.96	3.94	324.14
925Z-CAT40-1/4-2.95	1/4	.39	3.70	2.95	261.11
925Z-CAT40-1/4-3.94			4.96	3.94	279.12
925Z-CAT40-5/16-2.95	5/16	.47	3.70	2.95	261.11
925Z-CAT40-5/16-3.94			4.96	3.94	279.12
925Z-CAT40-3/8-2.95	3/8	.55	3.70	2.95	261.11
925Z-CAT40-3/8-3.94			4.96	3.94	279.12

Height Adjustment Tool

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

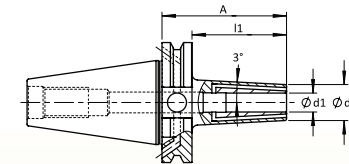


Order Number	Range	SPECIAL
990-395	1/8 - 5/8	196.56
990-393	5/16 - 1.00	254.52

21 Metric and 101 Inch
CAT40 ShrinkFit
Tools Available

Series- 996Z

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

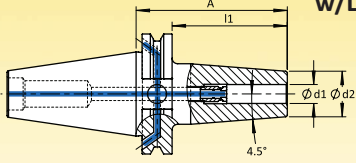


Product Order Number	d1	d2	A	l1	SPECIAL
996Z-CAT40-1/8-2.95	1/8	.43	3.70	2.95	351.12
996Z-CAT40-1/8-3.94			4.69	3.94	369.13
996Z-CAT40-3/16-2.95	3/16	.51	3.70	2.95	351.12
996Z-CAT40-3/16-3.94			4.69	3.94	369.13
996Z-CAT40-1/4-2.95	1/4	.59	3.70	2.95	306.11
996Z-CAT40-1/4-3.94			4.69	3.94	324.11
996Z-CAT40-5/16-2.95	5/16	.67	3.70	2.95	306.11
996Z-CAT40-5/16-3.94			4.69	3.94	324.11
996Z-CAT40-3/8-2.95	3/8	.75	3.70	2.95	306.11
996Z-CAT40-3/8-3.94			4.69	3.94	324.11

CAT40 ShrinkFit INCH

Series- 985Z

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



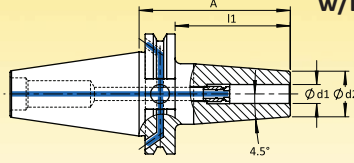
Product Order Number	d1	d2	A	l1	SPECIAL
985Z-CAT40-1/8-A3.15	1/8	.43	3.15	2.40	250.30
985Z-CAT40-1/8-A4.72			4.72	3.97	273.71
985Z-CAT40-3/16-A3.15	3/16	.55	3.15	2.40	250.30
985Z-CAT40-3/16-A4.72			4.72	3.97	273.71
985Z-CAT40-1/4-A3.15	1/4	.83	3.15	2.40	205.28
985Z-CAT40-1/4-A4.72			4.72	3.97	228.69
985Z-CAT40-1/4-A5.12			5.12	4.37	240.95
985Z-CAT40-1/4-A6.30			6.30	5.55	286.31
985Z-CAT40-5/16-A3.15	5/16	.83	3.15	2.40	205.28
985Z-CAT40-5/16-A4.72			4.72	3.97	228.69
985Z-CAT40-5/16-A5.12			5.12	4.37	240.95
985Z-CAT40-5/16-A6.30	3/8	.94	6.30	5.55	286.31
985Z-CAT40-3/8-A3.15			3.15	2.40	205.28
985Z-CAT40-3/8-A4.72			4.72	3.97	228.69
985Z-CAT40-3/8-A5.12			5.12	4.37	240.95
985Z-CAT40-3/8-A6.30	7/16	.94	6.30	5.55	286.31
985Z-CAT40-7/16-A3.15			3.15	2.40	205.28
985Z-CAT40-7/16-A4.72			4.72	3.97	228.69
985Z-CAT40-7/16-A5.12			5.12	4.37	240.95
985Z-CAT40-7/16-A6.30	1/2	.94	6.30	5.55	286.31
985Z-CAT40-1/2-A3.15			3.15	2.40	205.28
985Z-CAT40-1/2-A4.72			4.72	3.97	228.69
985Z-CAT40-1/2-A5.12			5.12	4.37	240.95
985Z-CAT40-1/2-A6.30			6.30	5.55	286.31

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	205.28
985Z-CAT40-5/8-A4.72			4.72	3.97	228.69
985Z-CAT40-5/8-A5.12			5.12	4.37	240.95
985Z-CAT40-5/8-A6.30	3/4	1.30	6.30	5.55	286.31
985Z-CAT40-3/4-A3.15			3.15	2.40	205.28
985Z-CAT40-3/4-A4.72			4.72	3.97	228.69
985Z-CAT40-3/4-A5.12			5.12	4.37	240.95
985Z-CAT40-3/4-A6.30	7/8	1.30	6.30	5.55	286.31
985Z-CAT40-7/8-A3.15			3.15	2.40	205.28
985Z-CAT40-7/8-A4.72			4.72	3.97	228.69
985Z-CAT40-7/8-A6.30	1	1.73	6.30	5.55	286.31
985Z-CAT40-1-A3.94			3.94	3.19	216.09
985Z-CAT40-1-A4.72			4.72	3.66	228.69
985Z-CAT40-1-A5.12			5.12	4.37	240.95
985Z-CAT40-1-A6.30	1.1/4	1.73	6.30	5.55	286.31
985Z-CAT40-1.1/4-A3.94			3.94	3.19	216.09
985Z-CAT40-1.1/4-A4.72			4.72	3.66	228.69
985Z-CAT40-1.1/4-A6.30			6.30	5.55	286.31

Height Adjustment Tool

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

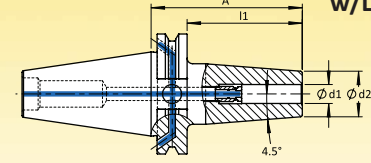


Order Number	Range	SPECIAL
990-395	1/8 - 5/8	196.56
990-393	5/16 - 1.00	254.52

CAT40 ShrinkFit METRIC

Series- 985

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



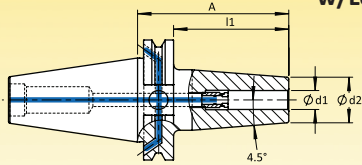
Product Order Number	d1	d2	A	l1	SPECIAL
985-CAT4006A80	6	21	80	60.9	205.28
985-CAT4006A120			120	100.9	228.69
985-CAT4006A130			130	110.9	240.95
985-CAT4008A80	8	21	80	60.9	205.28
985-CAT4008A120			120	100.9	228.69
985-CAT4008A130			130	110.9	240.95
985-CAT4010A80	10	24	80	60.9	205.28
985-CAT4010A120			120	100.9	228.69
985-CAT4010A130			130	110.9	240.95
985-CAT4012A80	12	24	80	60.9	205.28
985-CAT4012A120			120	100.9	228.69
985-CAT4012A130			130	110.9	240.95
985-CAT4016A80	16	27	80	60.9	205.28
985-CAT4016A120			120	100.9	228.69
985-CAT4016A130			130	110.9	240.95
985-CAT4020A80	20	33	80	60.9	205.28
985-CAT4020A120			120	100.9	228.69
985-CAT4020A130			130	110.9	240.95
985-CAT4025A100	25	44	100	80.9	216.09
985-CAT4025A130			130	110.9	240.95
985-CAT4032A100	32	44	100	80.9	216.09

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

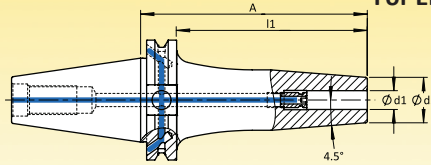


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-CAT50-1/4-A3.15	1/4	.83	3.15	2.40	352.70
985Z-CAT50-1/4-A4.72			4.72	3.97	383.91
985Z-CAT50-1/4-A6.30			6.30	5.55	440.63
985Z-CAT50-1/4-A7.87			7.87	7.12	493.58
985Z-CAT50-5/16-A3.15	5/16	.83	3.15	2.40	352.70
985Z-CAT50-5/16-A4.72			4.72	3.97	383.91
985Z-CAT50-5/16-A6.30			6.30	5.55	440.63
985Z-CAT50-3/8-A3.15	3/8	.94	3.15	2.40	352.70
985Z-CAT50-3/8-A4.72			4.72	3.97	383.91
985Z-CAT50-3/8-A6.30			6.30	5.55	440.63
985Z-CAT50-3/8-A7.87			7.87	7.12	493.58
985Z-CAT50-1/2-A3.15	1/2	.94	3.15	2.40	352.70
985Z-CAT50-1/2-A4.72			4.72	3.97	383.91
985Z-CAT50-1/2-A6.30			6.30	5.55	440.63
985Z-CAT50-1/2-A7.87			7.87	7.12	493.58
985Z-CAT50-5/8-A3.15	5/8	1.06	3.15	2.40	352.70
985Z-CAT50-5/8-A4.72			4.72	3.97	383.91
985Z-CAT50-5/8-A6.30			6.30	5.55	440.63
985Z-CAT50-5/8-A7.87			7.87	7.12	493.58
985Z-CAT50-3/4-A3.15	3/4	1.30	3.15	2.40	352.70
985Z-CAT50-3/4-A4.72			4.72	3.97	383.91
985Z-CAT50-3/4-A6.30			6.30	5.55	440.63
985Z-CAT50-3/4-A7.87			7.87	7.12	493.58
985Z-CAT50-1-A3.94	1	1.73	3.94	3.19	364.98
985Z-CAT50-1-A4.72			4.72	3.97	383.91
985Z-CAT50-1-A6.30			6.30	5.55	440.63
985Z-CAT50-1.1/4-A3.94	1.1/4	1.73	3.94	3.19	364.98
985Z-CAT50-1.1/4-A4.72			4.72	3.97	383.91
985Z-CAT50-1.1/4-A6.30			6.30	5.55	440.63

CAT50 ShrinkFit INCH

Series- 984Z

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

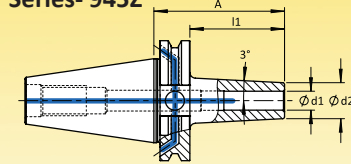


Product Order Number	d1	d2	A	l1	SPECIAL
984Z-CAT50-1/4-A5.12	1/4	.83	5.12	4.37	404.36
984Z-CAT50-1/4-A6.30			6.30	5.55	440.63
984Z-CAT50-1/4-A7.87			7.87	7.12	493.58
984Z-CAT50-5/16-A5.12	5/16	.83	5.12	4.37	404.36
984Z-CAT50-5/16-A6.30			6.30	5.55	440.63
984Z-CAT50-5/16-A7.87			7.87	7.12	493.58
984Z-CAT50-3/8-A5.12	3/8	.94	5.12	4.37	404.36
984Z-CAT50-3/8-A6.30			6.30	5.55	440.63
984Z-CAT50-3/8-A7.87			7.87	7.12	493.58
984Z-CAT50-7/16-A5.12	7/16	.94	5.12	4.37	404.36
984Z-CAT50-1/2-A5.12	1/2	.94	5.12	4.37	404.36
984Z-CAT50-1/2-A6.30			6.30	5.55	440.63
984Z-CAT50-1/2-A7.87			7.87	7.12	493.58
984Z-CAT50-5/8-A5.12	5/8	1.06	5.12	4.37	404.36
984Z-CAT50-5/8-A6.30			6.30	5.55	440.63
984Z-CAT50-5/8-A7.87	3/4	1.30	7.87	7.12	493.58
984Z-CAT50-3/4-A5.12			5.12	4.37	404.36
984Z-CAT50-3/4-A6.30	1	1.73	6.30	5.55	440.63
984Z-CAT50-3/4-A7.87			7.87	7.12	493.58
984Z-CAT50-1-A5.12	1	1.73	5.12	4.37	404.36
984Z-CAT50-1-A6.30			6.30	5.55	440.63
984Z-CAT50-1-A7.87			7.87	7.12	493.58
984Z-CAT50-1.1/4-A5.12	1.1/4	1.73	5.12	4.37	404.36
984Z-CAT50-1.1/4-A6.30			6.30	5.55	440.63
984Z-CAT50-1.1/4-A7.87			7.87	7.12	493.58

CAT50 ShrinkFit INCH

Series- 945Z

CAT50 ShrinkFit Chuck
Slim Execution 3°

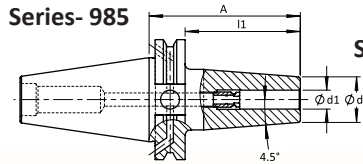


Product Order Number	d1	d2	A	l1	SPECIAL
945Z-CAT50-1/8-5.91	1/8	.43	6.66	5.91	609.79
945Z-CAT50-1/4-3.94	1/4	.59	4.69	3.94	434.96
945Z-CAT50-1/4-5.91			6.66	5.91	501.14
945Z-CAT50-1/4-7.87			8.62	7.87	576.80
945Z-CAT50-5/16-3.94	5/16	.67	4.69	3.94	434.96
945Z-CAT50-5/16-5.91			6.66	5.91	501.14
945Z-CAT50-5/16-7.87			8.62	7.87	576.80
945Z-CAT50-3/8-3.94	3/8	.75	4.69	3.94	434.96
945Z-CAT50-3/8-5.91			6.66	5.91	501.14
945Z-CAT50-3/8-7.87			8.62	7.87	576.80
945Z-CAT50-1/2-3.94	1/2	.87	4.69	3.94	434.96
945Z-CAT50-1/2-5.91			6.66	5.91	501.14
945Z-CAT50-1/2-7.87			8.62	7.87	576.80

CAT50 ShrinkFit METRIC

Series- 985

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



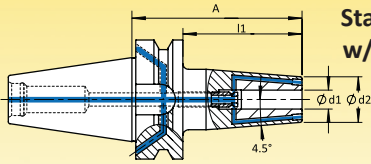
Product Order Number	d1	d2	A	l1	SPECIAL
985-CAT5006A80	6	21	80	60.9	352.70
985-CAT5006A120			120	100.9	383.91
985-CAT5008A80	8	21	80	60.9	352.70
985-CAT5008A120			120	100.9	383.91
985-CAT5010A80	10	24	80	60.9	352.70
985-CAT5010A120			120	100.9	383.91
985-CAT5012A80	12	24	80	60.9	352.70
985-CAT5012A120			120	100.9	383.91
985-CAT5016A80	16	27	80	60.9	352.70
985-CAT5016A120			120	100.9	383.91
985-CAT5020A80	20	33	80	60.9	352.70
985-CAT5020A120			120	100.9	383.91
985-CAT5025A100	25	44	100	80.9	364.98
985-CAT5025A120			120	100.9	383.91
985-CAT5032A100	32	44	100	80.9	364.98
985-CAT5032A120			120	100.9	383.91

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

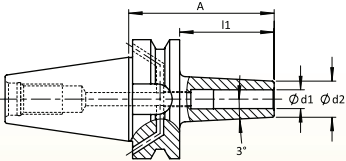


Product Order Number	d1	d2	A	l1	SPECIAL
995Z-BT40-1/4-A3.54	1/4	.83	3.54	2.48	271.90
995Z-BT40-1/4-A5.12			5.12	4.06	310.59
995Z-BT40-5/16-A3.54	5/16	.83	3.54	2.48	271.90
995Z-BT40-5/16-A5.12			5.12	4.06	310.59
995Z-BT40-3/8-A3.54	3/8	.94	3.54	2.48	271.90
995Z-BT40-3/8-A5.12			5.12	4.06	310.59
995Z-BT40-1/2-A3.54	1/2	.94	3.54	2.48	271.90
995Z-BT40-1/2-A5.12			5.12	4.06	310.59
995Z-BT40-5/8-A3.54	5/8	1.06	3.54	2.48	271.90
995Z-BT40-5/8-A5.12			5.12	4.06	310.59
995Z-BT40-3/4-A3.54	3/4	1.30	3.54	2.48	271.90
995Z-BT40-3/4-A5.12			5.12	4.06	310.59

BT40 ShrinkFit INCH

Series- 945Z

BT40 ShrinkFit Chuck
Slim Execution 3°

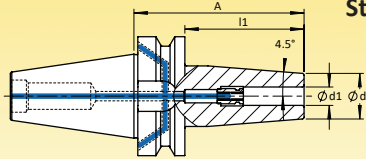


Product Order Number	d1	d2	A	l1	SPECIAL
945Z-BT40-1/8-2.95	1/8	.43	4.02	2.95	263.24
945Z-BT40-1/8-3.94			5.00	3.94	282.98
945Z-BT40-3/16-2.95	3/16	.51	4.02	2.95	263.24
945Z-BT40-3/16-3.94			5.00	3.94	282.98
945Z-BT40-1/4-2.95	1/4	.59	4.02	2.95	227.22
945Z-BT40-1/4-3.94			5.00	3.94	246.96
945Z-BT40-1/4-5.91			6.97	5.91	342.14
945Z-BT40-5/16-2.95	5/16	.67	4.02	2.95	227.22
945Z-BT40-5/16-3.94			5.00	3.94	246.96
945Z-BT40-5/16-5.91	3/8	.75	6.97	5.91	342.14
945Z-BT40-3/8-2.95			4.02	2.95	227.22
945Z-BT40-3/8-3.94			5.00	3.94	246.96
945Z-BT40-3/8-5.91			6.97	5.91	342.14

BT40 ShrinkFit INCH

Series- 985Z

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

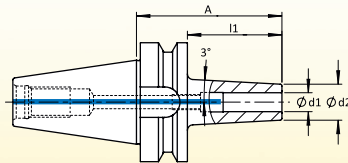


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-BT40-1/8-A3.15	1/8	.43	3.15	2.09	262.90
985Z-BT40-3/16-A3.15	3/16	.55	3.15	2.09	262.90
985Z-BT40-1/4-A3.54	1/4	.83	3.54	2.48	217.88
985Z-BT40-1/4-A5.12			5.12	4.06	240.95
985Z-BT40-5/16-A3.54	5/16	.83	3.54	2.48	217.88
985Z-BT40-5/16-A5.12			5.12	4.06	240.95
985Z-BT40-3/8-A3.54	3/8	.94	3.54	2.48	217.88
985Z-BT40-3/8-A5.12			5.12	4.06	240.95
985Z-BT40-1/2-A3.54	1/2	.94	3.54	2.48	217.88
985Z-BT40-1/2-A5.12			5.12	4.06	240.95
985Z-BT40-5/8-A3.54	5/8	1.06	3.54	2.48	217.88
985Z-BT40-5/8-A5.12			5.12	4.06	240.95
985Z-BT40-3/4-A3.54	3/4	1.30	3.54	2.48	217.88
985Z-BT40-3/4-A5.12			5.12	4.06	240.95
985Z-BT40-1-A3.94	1	1.73	3.94	2.87	230.48
985Z-BT40-1-A5.12			5.12	4.06	240.95
985Z-BT40-1.1/4-A3.94	1.1/4	1.73	3.94	2.87	230.48
985Z-BT40-1.1/4-A5.12			5.12	4.06	240.95

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	243.00
915-BT400375			102	75	261.11
915-BT4003100			127	100	279.12
915-BT4003150			177	150	396.14
915-BT4003200	4	11.00	227	200	468.17
915-BT400450			77	50	243.11
915-BT400475			102	75	261.11
915-BT4004100			127	100	279.12

BT40 ShrinkFit METRIC

Series- 915
...continued

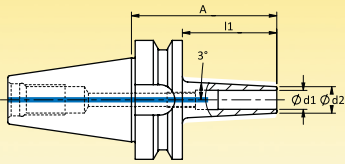
BT40 ShrinkFit Chuck
Slim Execution 3°

Product Order Number	d1	d2	A	l1	SPECIAL
915-BT4004150	4	11.00	177	150	396.14
915-BT4004200			227	200	468.17
915-BT400550	5	13.00	77	50	243.11
915-BT400575			102	75	261.11
915-BT4005100			127	100	279.12
915-BT400650	6	15.00	77	50	205.28
915-BT400675			102	75	214.28
915-BT4006100			127	100	226.88
915-BT4006150	8	17.00	177	150	342.12
915-BT4006200			227	200	432.16
915-BT400850			77	50	205.28
915-BT400875	8	17.00	102	75	214.28
915-BT4008100			127	100	226.88
915-BT4008150			177	150	342.12
915-BT4008200			227	200	432.16
915-BT401050	10	19.00	77	50	205.28
915-BT401075			102	75	214.28
915-BT4010100			127	100	226.88
915-BT4010150			177	150	342.12
915-BT4010200	12	22.00	227	200	432.16
915-BT401250			77	50	205.28
915-BT401275			102	75	214.28
915-BT4012100			127	100	226.88
915-BT4012150	14	24.00	177	150	342.12
915-BT4012200			227	200	432.16
915-BT401450			77	50	216.09
915-BT401475			102	75	225.10
915-BT4014100	16	27.00	127	100	243.11
915-BT4014150			177	150	360.13
915-BT401650			77	50	205.28
915-BT401660			87	60	214.28
915-BT401675	18	30.00	102	75	214.28
915-BT4016100			127	100	226.88
915-BT4016150			177	150	342.12
915-BT401850	20	33.00	77	50	216.09
915-BT4018100			127	100	243.11
915-BT402050	25	44.00	77	50	214.28
915-BT4020100			127	100	226.88
915-BT4020150			177	150	342.12
915-BT402560	25	44.00	87	60	226.88
915-BT4025100			127	100	226.88

BT40 ShrinkFit METRIC

Series- 925

BT40 ShrinkFit Chuck
Extra Slim Execution 3°

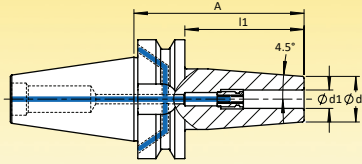


Product Order Number	d1	d2	A	l1	SPECIAL
925-BT400375	3	7.00	102	75	279.12
925-BT4003100			127	100	297.10
925-BT400475	4	8.00	102	75	279.12
925-BT4004100			127	100	297.10
925-BT4004150			177	150	414.15
925-BT400650	6	10.00	77	50	223.25
925-BT400675			102	75	232.29
925-BT4006100			127	100	244.89
925-BT4006150			177	150	360.13
925-BT4006200	8	12.00	227	200	450.17
925-BT400850			77	50	223.28
925-BT400875			102	75	232.29
925-BT4008100			127	100	244.89
925-BT4008150			177	150	360.13
925-BT4008200	10	14.00	227	200	450.17
925-BT401050			77	50	223.28
925-BT401075			102	75	232.29
925-BT4010100			127	100	244.89
925-BT4010150			177	150	360.13
925-BT4010200			227	200	450.17
925-BT401250	12	16.00	77	50	223.28
925-BT401275			102	75	232.29
925-BT4012100			127	100	244.89
925-BT4012150			177	150	360.13
925-BT4012200			227	200	450.17
925-BT401675	16	22.00	102	75	232.29

BT40 ShrinkFit METRIC

Series- 985

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

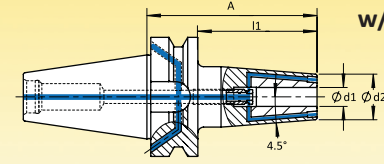


Product Order Number	d1	d2	A	l1	SPECIAL
985-BT4003A80	3	11.00	80	53	262.90
985-BT4004A80	4	14.00	80	53	262.90
985-BT4005A80	5	16.00	80	53	262.90
985-BT4006A90	6	21.00	90	63	217.88
985-BT4006A120			120	93	252.11
985-BT4006A160	8	21.00	160	133	291.72
985-BT4008A90			90	63	217.88
985-BT4008A120	10	24.00	120	93	252.11
985-BT4008A160			160	133	291.72
985-BT4010A90	12	24.00	90	63	217.88
985-BT4010A120			120	93	252.11
985-BT4010A160			160	133	291.72
985-BT4012A90	14	27.00	90	63	217.88
985-BT4012A120			120	93	252.11
985-BT4012A160			160	133	291.72
985-BT4014A90	16	27.00	90	63	217.88
985-BT4014A120			120	93	252.11
985-BT4014A160			160	133	291.72
985-BT4016A90	18	33.00	90	63	217.88
985-BT4016A120			120	93	252.11
985-BT4016A160			160	133	291.72
985-BT4018A90	20	33.00	90	63	217.88
985-BT4018A120			120	93	252.11
985-BT4018A160			160	133	291.72
985-BT4020A90	25	44.00	90	63	217.88
985-BT4020A120			120	93	252.11
985-BT4020A160			160	133	291.72
985-BT4025A100	32	44.00	100	73	230.48
985-BT4025A160			160	133	291.72
985-BT4032A100			100	73	230.48
985-BT4032A160			160	133	291.72

BT40 ShrinkFit METRIC

Series- 995

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



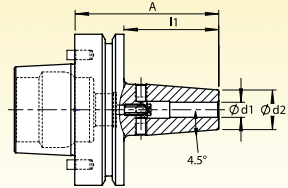
Product Order Number	d1	d2	A	l1	SPECIAL
995-BT4006A90	6	21.00	90	63	271.90
995-BT4006A120			120	93	306.11
995-BT4006A160	8	21.00	160	133	378.14
995-BT4008A90			90	63	271.90
995-BT4008A120	10	24.00	120	93	306.11
995-BT4008A160			160	133	378.14
995-BT4010A90	12	24.00	90	63	271.90
995-BT4010A120			120	93	306.11
995-BT4010A160			160	133	378.14
995-BT4012A90	14	27.00	90	63	271.90
995-BT4012A120			120	93	306.11
995-BT4012A160			160	133	378.14
995-BT4014A90	16	27.00	90	63	271.90
995-BT4014A120			120	93	306.11
995-BT4014A160			160	133	378.14
995-BT4020A90	20	33.00	90	63	271.90
995-BT4020A120			120	93	306.11
995-BT4025A100	25	44.00	100	73	306.11

BT30 & BT40 tools also available
in Metric with Face Contact

HSK-F80 Makino MAG INCH

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

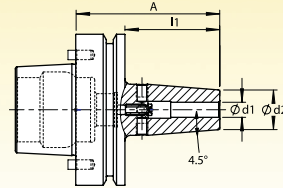


HSK-F80 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw
w/pins for MAKINO MAG

Product Order Number	d1	d2	A	l1	SPECIAL
985Z-F80M-1/4-A3.00	1/4	.83	3.00	1.98	379.94
985Z-F80M-5/16-A3.00	5/16	.83	3.00	1.98	379.94
985Z-F80M-3/8-A3.00	3/8	1.00	3.00	1.98	379.94
985Z-F80M-7/16-A3.00	7/16	1.02	3.00	1.98	379.94
985Z-F80M-1/2-A3.00	1/2	1.02	3.00	1.98	379.94
985Z-F80M-1/2-A6.00			6.00	4.98	525.56
985Z-F80M-5/8-A3.00	5/8	1.14	3.00	1.98	379.94
985Z-F80M-3/4-A2.75	3/4	1.38	2.75	1.73	379.94
985Z-F80M-3/4-A3.00			3.00	1.98	379.94
985Z-F80M-3/4-A4.00			4.00	2.98	404.91
985Z-F80M-1-A2.75	1	1.81	2.75	1.73	379.94
985Z-F80M-1-A3.00			3.00	1.98	379.94
985Z-F80M-1-A6.30			6.30	5.28	525.56
985Z-F80M-1.1/4-A3.50			1.1/4	1.77	385.98

HSK-F80 Makino MAG METRIC

Series- 985

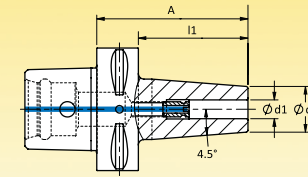


HSK-F80 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw
w/pins for MAKINO MAG

Product Order Number	d1	d2	A	l1	SPECIAL
985-F80M06A76.2	6	21.0	76.20	50.2	379.94
985-F80M06A82.55			82.55	56.55	398.03
985-F80M08A76.2	8	21.0	76.20	50.2	379.94
985-F80M10A76.2	10	26.0	76.20	50.2	379.94
985-F80M10A82.55			82.55	56.55	398.03
985-F80M12A76.2	12	26.0	76.20	50.2	379.94
985-F80M14A76.2	14	29.0	76.20	50.2	379.94
985-F80M16A76.2	16	29.0	76.20	50.2	379.94
985-F80M16A82.55			82.55	56.55	398.03
985-F80M20A70	20	35.5	70.00	44	379.94
985-F80M20A76.2			76.20	50.2	379.94
985-F80M25A70	25	46.0	70.00	44	379.94
985-F80M25A76.2			76.20	50.2	379.94

PSC50 ShrinkFit INCH

Series- 985Z

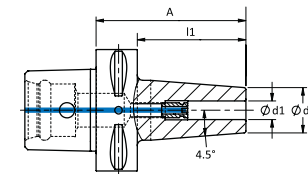


PSC-50 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw

Product Order Number	d1	d2	A	l1	SPECIAL
985Z-PSC50-1/8-A2.95	1/8	.43	2.95	2.17	443.76
985Z-PSC50-3/16-A2.95	3/16	.55	2.95	2.17	443.76
985Z-PSC50-1/4-A2.95	1/4	.83	2.95	2.17	399.05
985Z-PSC50-5/16-A2.95	5/16	.83	2.95	2.17	399.05
985Z-PSC50-3/8-A2.95	3/8	.94	2.95	2.17	399.05
985Z-PSC50-1/2-A2.95	1/2	.94	2.95	2.17	399.05
985Z-PSC50-5/8-A3.15	5/8	1.06	3.15	2.36	399.05
985Z-PSC50-3/4-A3.15	3/4	1.06	3.15	2.36	399.05

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	436.99
985Z-PSC63-3/16-A3.15	3/16	.55	3.15	2.28	436.99
985Z-PSC63-1/4-A3.15	1/4	.83	3.15	2.28	374.57
985Z-PSC63-1/4-A4.72			4.72	3.86	454.81
985Z-PSC63-5/16-A3.15	5/16	.83	3.15	2.28	374.57
985Z-PSC63-5/16-A4.72			4.72	3.86	454.81
985Z-PSC63-3/8-A3.15	3/8	.94	3.15	2.28	374.57
985Z-PSC63-3/8-A4.72			4.72	3.86	454.81
985Z-PSC63-1/2-A3.15	1/2	.94	3.15	2.28	374.57
985Z-PSC63-1/2-A4.72			4.72	3.86	454.81
985Z-PSC63-5/8-A3.35	5/8	1.06	3.35	2.48	374.57
985Z-PSC63-5/8-A4.72			4.72	3.86	454.81
985Z-PSC63-3/4-A3.35	3/4	1.30	3.35	2.48	374.57
985Z-PSC63-3/4-A4.72			4.72	3.86	454.81
985Z-PSC63-1-A3.54	1	1.73	3.54	2.68	392.39
985Z-PSC63-1.1/4-A3.74	1.1/4	1.73	3.74	2.87	401.31

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