

Over 2,500 tools available!



Made in Germany

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



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or visit: www.tysontool.com/ecat-rineck.htm

Your tool not listed? Call for Promo Pricing



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: tysonstool.com/ecat-induktherm.htm

 Induktherm

rapid shrink II VCS

Table Top Shrink Unit



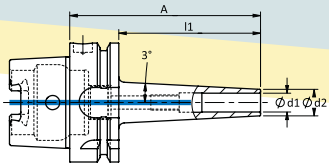
Induktherm rapid shrink II VC

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	274.75
925Z-A63-1/8-2.95			3.98	2.95	274.75
925Z-A63-1/8-3.94			4.96	3.94	290.02
925Z-A63-1/8-5.91			6.93	5.91	396.87
925Z-A63-3/16-1.97	3/16	.35	2.99	1.97	274.75
925Z-A63-3/16-2.95			3.98	2.95	274.75
925Z-A63-3/16-3.94			4.96	3.94	290.02
925Z-A63-3/16-5.91			6.93	5.91	396.87
925Z-A63-1/4-1.97	1/4	.39	2.99	1.97	236.59
925Z-A63-1/4-2.95			3.98	2.95	236.59
925Z-A63-1/4-3.94			4.96	3.94	251.86
925Z-A63-1/4-5.91			6.93	5.91	358.71
925Z-A63-1/4-7.87	5/16	.47	8.90	7.87	435.03
925Z-A63-5/16-1.97			2.99	1.97	236.59
925Z-A63-5/16-2.95			3.98	2.95	236.59
925Z-A63-5/16-3.94			4.96	3.94	251.86
925Z-A63-5/16-5.91	3/8	.55	6.93	5.91	358.71
925Z-A63-5/16-7.87			8.90	7.87	435.03
925Z-A63-3/8-1.97			2.99	1.97	236.59
925Z-A63-3/8-2.95			3.98	2.95	236.59
925Z-A63-3/8-3.94	7/16	.87	4.96	3.94	251.86
925Z-A63-3/8-5.91			6.93	5.91	358.71
925Z-A63-3/8-7.87			8.90	7.87	435.03
925Z-A63-7/16-1.97			2.99	1.97	236.59
925Z-A63-7/16-2.95	1/2	.87	3.98	2.95	236.59
925Z-A63-7/16-3.94			4.96	3.94	251.86
925Z-A63-7/16-5.91			6.93	5.91	358.71
925Z-A63-7/16-7.87			8.90	7.87	435.03
925Z-A63-1/2-1.97	1 1/4	1.73	2.99	1.97	236.59
925Z-A63-1/2-2.95			3.98	2.95	236.59
925Z-A63-1/2-3.94			4.96	3.94	251.86
925Z-A63-1/2-5.91			6.93	5.91	358.71
925Z-A63-1/2-7.87	1 1/2	1.73	8.90	7.87	435.03
925Z-A63-1 1/4-1.97			2.99	1.97	236.59
925Z-A63-1 1/4-2.95			3.98	2.95	236.59
925Z-A63-1 1/4-3.94			4.96	3.94	251.86
925Z-A63-1 1/4-5.91	1 3/4	1.73	6.93	5.91	358.71
925Z-A63-1 1/4-7.87			8.90	7.87	435.03
925Z-A63-1 3/4-1.97			2.99	1.97	236.59
925Z-A63-1 3/4-2.95			3.98	2.95	236.59
925Z-A63-1 3/4-3.94	1 7/8	1.73	4.96	3.94	251.86
925Z-A63-1 3/4-5.91			6.93	5.91	358.71
925Z-A63-1 3/4-7.87			8.90	7.87	435.03
925Z-A63-1 7/8-1.97			2.99	1.97	236.59
925Z-A63-1 7/8-2.95	2	1.73	3.98	2.95	236.59
925Z-A63-1 7/8-3.94			4.96	3.94	251.86
925Z-A63-1 7/8-5.91			6.93	5.91	358.71
925Z-A63-1 7/8-7.87			8.90	7.87	435.03

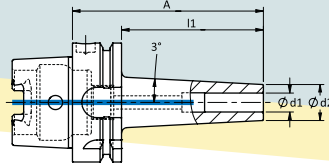
Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	15.95	952-A32	35.95
HSK-A40	951-A40	15.95	952-A40	35.95
HSK-A50	951-A50	16.95	952-A50	37.95
HSK-A63	951-A63	17.95	952-A63	39.95
HSK-A80	951-A80	18.95	952-A80	43.95
HSK-A100	951-A100	19.95	952-A100	46.95

HSK-A63 ShrinkFit INCH

Series- 915Z

HSK-A63 ShrinkFit Chuck
Slim Execution 3°

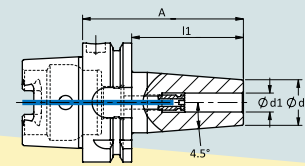


Product Order Number	d1	d2	A	l1	SPECIAL
915Z-A63-1/8-2.95	1/8	.43	3.98	2.95	244.23
915Z-A63-1/8-3.94			4.96	3.94	259.49
915Z-A63-1/8-5.91			6.93	5.91	351.07
915Z-A63-1/8-7.87			8.90	7.87	427.40
915Z-A63-3/16-2.95	3/16	.51	3.98	2.95	244.23
915Z-A63-3/16-3.94			4.96	3.94	259.49
915Z-A63-3/16-5.91			6.93	5.91	351.07
915Z-A63-3/16-7.87			8.90	7.87	427.40
915Z-A63-1/4-2.95	1/4	.59	3.98	2.95	206.07
915Z-A63-1/4-3.94			4.96	3.94	216.75
915Z-A63-1/4-5.91			6.93	5.91	312.91
915Z-A63-1/4-7.87			8.90	7.87	389.23
915Z-A63-1/4-9.84	5/16	.67	10.87	9.84	442.66
915Z-A63-1/4-11.81			12.83	11.81	518.98
915Z-A63-5/16-2.95			3.98	2.95	206.07
915Z-A63-5/16-3.94			4.96	3.94	216.75
915Z-A63-5/16-5.91	3/8	.75	6.93	5.91	312.91
915Z-A63-5/16-7.87			8.90	7.87	389.23
915Z-A63-5/16-9.84			10.87	9.84	442.66
915Z-A63-5/16-11.81			12.83	11.81	518.98
915Z-A63-3/8-2.95	7/16	.87	3.98	2.95	206.07
915Z-A63-3/8-3.94			4.96	3.94	216.75
915Z-A63-3/8-5.91			6.93	5.91	312.91
915Z-A63-3/8-7.87			8.90	7.87	389.23
915Z-A63-3/8-9.84	1/2	.87	10.87	9.84	442.66
915Z-A63-3/8-11.81			12.83	11.81	518.98
915Z-A63-7/16-2.95			3.98	2.95	206.07
915Z-A63-7/16-3.94			4.96	3.94	216.75
915Z-A63-7/16-5.91	3/4	1.30	6.93	5.91	312.91
915Z-A63-7/16-7.87			8.90	7.87	389.23
915Z-A63-7/16-9.84			10.87	9.84	442.66
915Z-A63-7/16-11.81			12.83	11.81	518.98
915Z-A63-1/2-2.95	1 1/4	1.73	3.98	2.95	206.07
915Z-A63-1/2-3.94			4.96	3.94	216.75
915Z-A63-1/2-5.91			6.93	5.91	312.91
915Z-A63-1/2-7.87			8.90	7.87	389.23
915Z-A63-1/2-9.84	1 1/2	1.73	10.87	9.84	442.66
915Z-A63-1/2-11.81			12.83	11.81	518.98
915Z-A63-1 1/4-2.95			3.98	2.95	206.07
915Z-A63-1 1/4-3.94			4.96	3.94	216.75
915Z-A63-1 1/4-5.91	1 3/4	1.73	6.93	5.91	312.91
915Z-A63-1 1/4-7.87			8.90	7.87	389.23
915Z-A63-1 1/4-9.84			10.87	9.84	442.66
915Z-A63-1 1/4-11.81			12.83	11.81	518.98
915Z-A63-1 3/4-2.95	1 7/8	1.73	3.98	2.95	206.07
915Z-A63-1 3/4-3.94			4.96	3.94	216.75
915Z-A63-1 3/4-5.91			6.93	5.91	312.91
915Z-A63-1 3/4-7.87			8.90	7.87	389.23
915Z-A63-1 3/4-9.84	2	1.73	10.87	9.84	442.66
915Z-A63-1 3/4-11.81			12.83	11.81	518.98
915Z-A63-1 7/8-2.95			3.98	2.95	206.07
915Z-A63-1 7/8-3.94			4.96	3.94	216.75
915Z-A63-1 7/8-5.91	2 1/4	1.73	6.93	5.91	312.91
915Z-A63-1 7/8-7.87			8.90	7.87	389.23
915Z-A63-1 7/8-9.84			10.87	9.84	442.66
915Z-A63-1 7/8-11.81			12.83	11.81	518.98

HSK-A63 ShrinkFit INCH

Series- 985Z

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

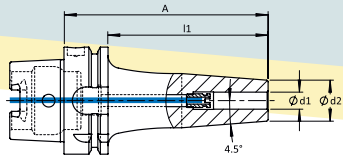


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-A63-1/8-A3.15	1/8	.43	3.15	2.13	236.59
985Z-A63-1/8-A4.72			4.72	3.70	259.49
985Z-A63-3/16-A3.15	3/16	.55	3.15	2.13	236.59
985Z-A63-3/16-A4.72			4.72	3.70	259.49
985Z-A63-1/4-A3.15	1/4	.83	3.15	2.13	198.43
985Z-A63-1/4-A4.72			4.72	3.70	216.75
985Z-A63-1/4-A5.12			5.12	4.09	230.05
985Z-A63-1/4-A6.30			6.30	5.28	297.65
985Z-A63-5/16-A3.15	5/16	.83	3.15	2.13	198.43
985Z-A63-5/16-A4.72			4.72	3.70	216.75
985Z-A63-5/16-A5.12			5.12	4.09	230.05
985Z-A63-5/16-A6.30			6.30	5.28	297.65
985Z-A63-3/8-A3.35	3/8	.94	3.35	2.32	198.43
985Z-A63-3/8-A4.72			4.72	3.70	216.75
985Z-A63-3/8-A5.12			5.12	4.09	230.05
985Z-A63-3/8-A6.30			6.30	5.28	297.65
985Z-A63-1/2-A3.54	1/2	.94	3.54	2.52	198.43
985Z-A63-1/2-A4.72			4.72	3.70	216.75
985Z-A63-1/2-A5.12			5.12	4.09	230.05
985Z-A63-1/2-A6.30			6.30	5.28	297.65
985Z-A63-5/8-A3.74	5/8	1.06	3.74	2.72	198.43
985Z-A63-5/8-A4.72			4.72	3.70	216.75
985Z-A63-5/8-A5.12			5.12	4.09	230.05
985Z-A63-5/8-A6.30			6.30	5.28	297.65
985Z-A63-3/4-A3.94	3/4	1.30	3.94	2.91	206.07
985Z-A63-3/4-A4.72			4.72	3.70	216.75
985Z-A63-3/4-A5.12			5.12	4.09	230.05
985Z-A63-3/4-A6.30			6.30	5.28	297.65
985Z-A63-1-A4.53	1	1.73	4.53	3.50	216.75
985Z-A63-1-A6.30			6.30	5.28	297.65
985Z-A63-1-A7.87			7.87	6.85	351.07
985Z-A63-1.1/4-A4.72	1.1/4	1.73	4.72	3.70	216.75
985Z-A63-1.1/4-A6.30			6.30	5.28	297.65

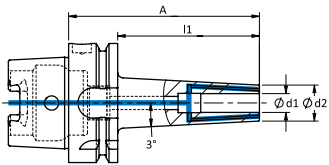
HSK-A63 ShrinkFit INCH

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	297.65
984Z-A63-1/4-A7.87			7.87	6.85	351.07
984Z-A63-5/16-A6.30	5/16	.83	6.30	5.28	297.65
984Z-A63-5/16-A7.87			7.87	6.85	351.07
984Z-A63-3/8-A6.30	3/8	.94	6.30	5.28	297.65
984Z-A63-3/8-A7.87			7.87	6.85	351.07
984Z-A63-1/2-A6.30	1/2	.94	6.30	5.28	297.65
984Z-A63-1/2-A7.87			7.87	6.85	351.07
984Z-A63-5/8-A6.30	5/8	1.06	6.30	5.28	297.65
984Z-A63-5/8-A7.87			7.87	6.85	351.07
984Z-A63-3/4-A6.30	3/4	1.30	6.30	5.28	297.65
984Z-A63-3/4-A7.87			7.87	6.85	351.07



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

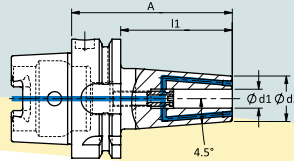
Series- 996Z

Product Order Number	d1	d2	A	l1	SPECIAL
996Z-A63-1/8-2.95	1/8	.43	3.98	2.95	335.81
996Z-A63-1/8-3.94			4.96	3.94	351.07
996Z-A63-3/16-2.95	3/16	.51	3.98	2.95	335.81
996Z-A63-3/16-3.94			4.96	3.94	351.07
996Z-A63-1/4-2.95	1/4	.59	3.98	2.95	290.02
996Z-A63-1/4-3.94			4.96	3.94	305.28
996Z-A63-1/4-5.91			6.93	5.91	404.50
996Z-A63-5/16-1.97	5/16	.67	2.99	1.97	290.02
996Z-A63-5/16-2.95			3.98	2.95	290.02
996Z-A63-5/16-3.94			4.96	3.94	305.28
996Z-A63-5/16-5.91	3/8	.75	6.93	5.91	404.50
996Z-A63-3/8-1.97			2.99	1.97	290.02
996Z-A63-3/8-2.95			3.98	2.95	290.02
996Z-A63-3/8-3.94	7/16	.87	4.96	3.94	305.28
996Z-A63-3/8-5.91			6.93	5.91	404.50
996Z-A63-7/16-1.97			2.99	1.97	290.02
996Z-A63-7/16-2.95			3.98	2.95	290.02
996Z-A63-7/16-3.94			4.96	3.94	305.28
996Z-A63-7/16-5.91			6.93	5.91	404.50

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	282.39
995Z-A63-1/8-A4.72			4.72	3.70	305.28
995Z-A63-3/16-A3.15	3/16	.55	3.15	2.13	282.39
995Z-A63-3/16-A4.72			4.72	3.70	305.28
995Z-A63-1/4-A3.15	1/4	.83	3.15	2.13	244.23
995Z-A63-1/4-A4.72			4.72	3.70	262.54
995Z-A63-1/4-A5.12			5.12	4.09	275.84
995Z-A63-1/4-A6.30			6.30	5.28	343.44
995Z-A63-5/16-A3.15	5/16	.83	3.15	2.13	244.23
995Z-A63-5/16-A4.72			4.72	3.70	262.54
995Z-A63-5/16-A5.12			5.12	4.09	275.84
995Z-A63-5/16-A6.30	3/8	.94	6.30	5.28	343.44
995Z-A63-3/8-A3.35			3.35	2.32	244.23
995Z-A63-3/8-A4.72			4.72	3.70	262.54
995Z-A63-3/8-A5.12	1/2	.94	5.12	4.09	275.84
995Z-A63-3/8-A6.30			6.30	5.28	343.44
995Z-A63-1/2-A3.54			3.54	2.52	244.23
995Z-A63-1/2-A4.72	5/8	1.06	4.72	3.70	262.54
995Z-A63-1/2-A5.12			5.12	4.09	275.84
995Z-A63-1/2-A6.30			6.30	5.28	343.44
995Z-A63-5/8-A3.74	3/4	1.30	3.74	2.72	244.23
995Z-A63-5/8-A4.72			4.72	3.70	262.54
995Z-A63-5/8-A5.12			5.12	4.09	275.84
995Z-A63-5/8-A6.30	1	1.73	6.30	5.28	343.44
995Z-A63-3/4-A3.94			3.94	2.91	251.86
995Z-A63-3/4-A4.72			4.72	3.70	262.54
995Z-A63-3/4-A5.12			5.12	4.09	275.84
995Z-A63-3/4-A6.30			6.30	5.28	343.44
995Z-A63-1-A4.53			4.53	3.50	276.28

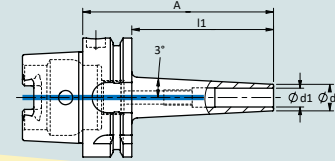
Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	15.95	952-A32	35.95
HSK-A40	951-A40	15.95	952-A40	35.95
HSK-A50	951-A50	16.95	952-A50	37.95
HSK-A63	951-A63	17.95	952-A63	39.95
HSK-A80	951-A80	18.95	952-A80	43.95
HSK-A100	951-A100	19.95	952-A100	46.95

HSK-A63 ShrinkFit METRIC

Series- 925

HSK-A63 ShrinkFit Chuck
Extra Slim Execution 3°

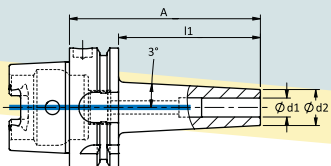


Product Order Number	d1	d2	A	l1	SPECIAL
925-A630350	3	7	76	50	276.41
925-A630375			101	75	276.41
925-A6303100			126	100	291.77
925-A6303150	4	8	176	150	399.26
925-A630450			76	50	276.41
925-A630475			101	75	276.41
925-A6304100			126	100	291.77
925-A6304150	6	10	176	150	399.26
925-A630650			76	50	238.02
925-A630675			101	75	238.02
925-A6306100			126	100	253.38
925-A6306125			151	125	337.84
925-A6306150	8	12	176	150	360.87
925-A6306200			226	200	437.65
925-A6306250			276	250	506.76
925-A6306300	10	14	326	300	583.54
925-A630850			76	50	238.02
925-A630875			101	75	238.02
925-A6308100			126	100	253.38
925-A6308150	12	16	176	150	360.87
925-A6308200			226	200	437.65
925-A6308250			276	250	506.76
925-A6308300	14	18	326	300	583.54
925-A631050			76	50	238.02
925-A631075			101	75	238.02
925-A6310100	16	20	126	100	253.38
925-A6310150			176	150	360.87
925-A6310200			226	200	437.65
925-A6310250	18	22	276	250	506.76
925-A6310300			326	300	583.54
925-A631275			101	75	238.02
925-A6312100	20	24	126	100	253.38
925-A6312150			176	150	360.87
925-A6312200			226	200	437.65

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	238.02
915-A630375			101	75	245.70
915-A6303100			126	100	261.06
915-A6303150			176	150	353.19
915-A6303200			226	200	429.98
915-A6303300			326	300	560.50
915-A630450	4	11	76	50	238.02
915-A630475			101	75	245.70
915-A6304100			126	100	261.06
915-A6304150			176	150	353.19
915-A6304200			226	200	429.98
915-A6304300			326	300	560.50
915-A630550	5	13	76	50	238.02
915-A630575			101	75	245.70
915-A6305100			126	100	261.06
915-A6305150			176	150	353.19
915-A6305200			226	200	429.98
915-A630650	6	15	76	50	199.63
915-A630675			101	75	207.31
915-A6306100			126	100	218.06
915-A6306125			151	125	291.77
915-A6306150			176	150	314.80
915-A6306175			201	175	353.19
915-A6306200			226	200	391.58
915-A6306250			276	250	445.33
915-A6306300			326	300	522.11
915-A6306350			376	350	637.28
915-A630850	8	17	76	50	199.63
915-A630875			101	75	207.31
915-A6308100			126	100	218.06
915-A6308125			151	125	291.77
915-A6308150			176	150	314.80
915-A6308175			201	175	353.19
915-A6308200			226	200	391.58
915-A6308250			276	250	445.33
915-A6308300			326	300	522.11
915-A6308350			376	350	637.28

Series- 915
...continued

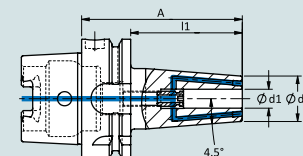
HSK-A63 ShrinkFit Chuck
Slim Execution 3°

Product Order Number	d1	d2	A	l1	SPECIAL
915-A631050	10	19	76	50	199.63
915-A631075			101	75	207.31
915-A6310100			126	100	218.06
915-A6310125			151	125	291.77
915-A6310150			176	150	314.80
915-A6310175			201	175	353.19
915-A6310200			226	200	391.58
915-A6310250			276	250	445.33
915-A6310300			326	300	522.11
915-A6310350			376	350	637.28
915-A631250	12	22	76	50	199.63
915-A631275			101	75	207.31
915-A6312100			126	100	218.06
915-A6312125			151	125	291.77
915-A6312150			176	150	314.80
915-A6312175			201	175	353.19
915-A6312200			226	200	391.58
915-A6312250			276	250	445.33
915-A6312300			326	300	522.11
915-A6312350			376	350	637.28
915-A631450	14	24	76	50	230.34
915-A6314100			126	100	253.38
915-A6314150			176	150	314.80
915-A6314200			226	200	391.58
915-A6314250			276	250	445.33
915-A6314300			326	300	522.11
915-A6314350			376	350	637.28
915-A631660			86	60	207.31
915-A631675			101	75	207.31
915-A6316100			126	100	218.06
915-A6316150	16	27	176	150	314.80
915-A6316200			226	200	391.58
915-A6316250			276	250	445.33
915-A6316300			326	300	522.11
915-A6316350			376	350	637.28
915-A631865	18	30	91	65	238.02
915-A6318100			126	100	253.38
915-A632065			91	65	207.31
915-A632075			101	75	207.31
915-A6320100			126	100	218.06
915-A6320125	20	33	151	125	291.77
915-A6320150			176	150	314.80
915-A6320200			226	200	391.58
915-A6320250			276	250	445.33
915-A6320300			326	300	522.11

HSK-A63 ShrinkFit METRIC

Series- 995

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



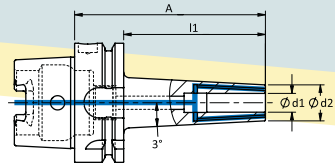
Product Order Number	d1	d2	A	l1	SPECIAL
995-A6303A80	3	11	80	54	284.09
995-A6303A120			120	94	307.13
995-A6303A160			160	134	383.91
995-A6304A80	4	14	80	54	284.09
995-A6304A120			120	94	307.13
995-A6304A160			160	134	383.91
995-A6305A80	5	16	80	54	284.09
995-A6305A120			120	94	307.13
995-A6305A160			160	134	383.91
995-A6306A80	6	21	80	54	245.70
995-A6306A120			120	94	264.13
995-A6306A160			160	134	345.52
995-A6308A80	8	21	80	54	245.70
995-A6308A120			120	94	264.13
995-A6308A160			160	134	345.52
995-A6310A85	10	24	85	59	245.70
995-A6310A120			120	94	264.13
995-A6310A160			160	134	345.52
995-A6312A90	12	24	90	64	253.38
995-A6312A120			120	94	264.13
995-A6312A160			160	134	345.52
995-A6314A90	14	27	90	64	253.38
995-A6314A120			120	94	264.13
995-A6316A95	16	27	95	69	253.38
995-A6316A120			120	94	264.13
995-A6318A95	18	33	95	69	253.38
995-A6318A120			120	94	264.13
995-A6320A100	20	33	100	74	253.38
995-A6320A120			120	94	264.13
995-A6325A115	25	44	115	89	277.95
995-A6332A120	32	44	120	94	277.95

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

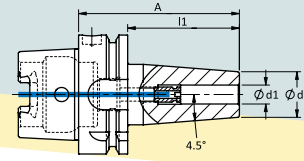


Product Order Number	d1	d2	A	l1	SPECIAL
996-A630350	3	11	76	50	330.16
996-A630375			101	75	337.84
996-A6303100			126	100	353.19
996-A630450	4	11	76	50	330.16
996-A630475			101	75	337.84
996-A6304100			126	100	353.19
996-A6304150			176	150	445.33
996-A6304200	5	13	226	200	522.11
996-A6304300			326	300	652.64
996-A630575			101	75	337.84
996-A6305100	6	15	126	100	353.19
996-A6305150			176	150	445.33
996-A630650			76	50	291.77
996-A630675	8	17	101	75	291.77
996-A6306100			126	100	307.13
996-A6306125			151	125	383.91
996-A6306150			176	150	406.94
996-A6306200	10	19	226	200	483.72
996-A630850			76	50	291.77
996-A630875			101	75	291.77
996-A6308100			126	100	307.13
996-A6308125	12	22	151	125	383.91
996-A6308150			176	150	406.94
996-A6308200			226	200	483.72
996-A631050			76	50	291.77
996-A631075	10	19	101	75	291.77
996-A6310100			126	100	307.13
996-A6310125			151	125	383.91
996-A6310150			176	150	406.94
996-A6310200	12	22	226	200	483.72
996-A631250			76	50	291.77
996-A631275			101	75	291.77
996-A6312100			126	100	307.13
996-A6312125	12	22	151	125	383.91
996-A6312150			176	150	406.94
996-A6312200			226	200	483.72

HSK-A63 ShrinkFit METRIC

Series- 985

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

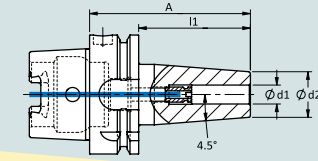


Product Order Number	d1	d2	A	l1	SPECIAL
985-A6303A80	3	11	80	54	238.02
985-A6303A120			120	94	261.06
985-A6303A160			160	134	337.84
985-A6304A80	4	14	80	54	238.02
985-A6304A120			120	94	261.06
985-A6304A160			160	134	337.84
985-A6305A80	5	16	80	54	238.02
985-A6305A120			120	94	261.06
985-A6305A160			160	134	337.84
985-A6306A70	6	21	70	44	199.63
985-A6306A80			80	54	199.63
985-A6306A120			120	94	218.06
985-A6306A160			160	134	299.45
985-A6306A200	7	21	200	174	353.19
985-A6307A80			80	54	268.73
985-A6308A70			70	44	199.63
985-A6308A80	8	21	80	54	199.63
985-A6308A120			120	94	218.06
985-A6308A160			160	134	299.45
985-A6308A200	9	24	200	174	353.19
985-A6309A85			85	59	268.73
985-A6310A70			70	44	199.63
985-A6310A85	10	24	85	59	199.63
985-A6310A120			120	94	218.06
985-A6310A160			160	134	299.45
985-A6310A200	11	24	200	174	353.19
985-A6311A90			90	64	268.73
985-A6312A70			70	44	199.63
985-A6312A90	12	24	90	64	199.63
985-A6312A120			120	94	218.06
985-A6312A160			160	134	299.45
985-A6312A200	13	27	200	174	353.19
985-A6313A90			90	64	268.73

HSK-A63 ShrinkFit METRIC

Series- 985

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



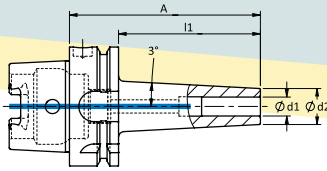
Product Order Number	d1	d2	A	l1	SPECIAL
985-A6314A75	14	27	75	49	199.63
985-A6314A90			90	64	199.63
985-A6314A120			120	94	218.06
985-A6314A160	15	27	160	134	299.45
985-A6315A95			95	69	268.73
985-A6316A75	16	27	75	49	199.63
985-A6316A95			95	69	199.63
985-A6316A120			120	94	218.06
985-A6316A160			160	134	299.45
985-A6316A200	18	33	200	174	353.19
985-A6318A95			95	69	199.63
985-A6318A120			120	94	218.06
985-A6318A160	20	33	160	134	299.45
985-A6320A100			100	74	207.31
985-A6320A120			120	94	218.06
985-A6320A160	22	33	160	134	299.45
985-A6320A200			200	174	353.19
985-A6322A100			100	74	268.73
985-A6325A115	25	44	115	89	218.06
985-A6325A160			160	134	299.45
985-A6325A200			200	174	353.19
985-A6332A120	32	44	120	94	218.06
985-A6332A160			160	134	299.45

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	335.81
915Z-A100-3/16-3.94			5.08	3.94	358.71
915Z-A100-3/16-5.91			7.05	5.91	419.76
915Z-A100-3/16-7.87			9.02	7.87	511.35
915Z-A100-1/4-2.95	1/4	.59	4.10	2.95	312.91
915Z-A100-1/4-3.94			5.08	3.94	335.81
915Z-A100-1/4-5.91			7.05	5.91	389.23
915Z-A100-1/4-7.87			9.02	7.87	465.56
915Z-A100-5/16-2.95	5/16	.67	4.10	2.95	312.91
915Z-A100-5/16-3.94			5.08	3.94	335.81
915Z-A100-5/16-5.91			7.05	5.91	389.23
915Z-A100-5/16-7.87			9.02	7.87	465.56
915Z-A100-3/8-2.95	3/8	.75	4.10	2.95	312.91
915Z-A100-3/8-3.94			5.08	3.94	335.81
915Z-A100-3/8-5.91			7.05	5.91	389.23
915Z-A100-3/8-7.87			9.02	7.87	465.56
915Z-A100-1/2-2.95	1/2	.87	4.10	2.95	312.91
915Z-A100-1/2-3.94			5.08	3.94	335.81
915Z-A100-1/2-5.91			7.05	5.91	389.23
915Z-A100-1/2-7.87			9.02	7.87	465.56

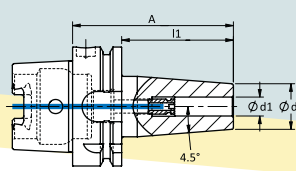
Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	15.95	952-A32	35.95
HSK-A40	951-A40	15.95	952-A40	35.95
HSK-A50	951-A50	16.95	952-A50	37.95
HSK-A63	951-A63	17.95	952-A63	39.95
HSK-A80	951-A80	18.95	952-A80	43.95
HSK-A100	951-A100	19.95	952-A100	46.95

HSK-A100 ShrinkFit INCH

Series- 985Z

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

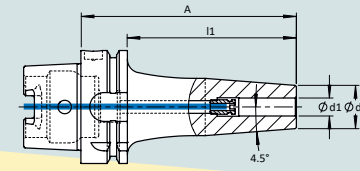


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-A100-1/4-A3.35	1/4	.83	3.35	2.20	290.02
985Z-A100-1/4-A4.72			4.72	3.58	328.18
985Z-A100-1/4-A6.30			6.30	5.16	358.71
985Z-A100-1/4-A7.87			7.87	6.73	412.13
985Z-A100-5/16-A3.35	5/16	.83	3.35	2.20	290.02
985Z-A100-5/16-A4.72			4.72	3.58	328.18
985Z-A100-5/16-A6.30			6.30	5.16	358.71
985Z-A100-5/16-A7.87			7.87	6.73	412.13
985Z-A100-3/8-A3.54	3/8	.94	3.54	2.40	290.02
985Z-A100-3/8-A4.72			4.72	3.58	328.18
985Z-A100-3/8-A6.30			6.30	5.16	358.71
985Z-A100-3/8-A7.87			7.87	6.73	412.13
985Z-A100-1/2-A3.74	1/2	.94	3.74	2.60	290.02
985Z-A100-1/2-A4.72			4.72	3.58	328.18
985Z-A100-1/2-A6.30			6.30	5.16	358.71
985Z-A100-1/2-A7.87			7.87	6.73	412.13
985Z-A100-5/8-A3.94	5/8	1.06	3.94	2.80	305.28
985Z-A100-5/8-A4.72			4.72	3.58	328.18
985Z-A100-5/8-A6.30			6.30	5.16	358.71
985Z-A100-5/8-A7.87			7.87	6.73	412.13
985Z-A100-3/4-A4.13	3/4	1.30	4.13	2.99	305.28
985Z-A100-3/4-A4.72			4.72	3.58	328.18
985Z-A100-3/4-A6.30			6.30	5.16	358.71
985Z-A100-3/4-A7.87			7.87	6.73	412.13
985Z-A100-1-A4.53	1	1.73	4.53	3.39	328.18
985Z-A100-1-A6.30			6.30	5.16	358.71
985Z-A100-1-A7.87			7.87	6.73	412.13
985Z-A100-1.1/4-A4.72	1.1/4	1.73	4.72	3.58	328.18
985Z-A100-1.1/4-A6.30			6.30	5.16	358.71

HSK-A100 ShrinkFit INCH

Series- 984Z

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



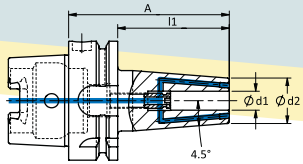
Product Order Number	d1	d2	A	l1	SPECIAL
984Z-A100-1/4-A5.12	1/4	.83	5.12	3.98	343.08
984Z-A100-1/4-A6.30			6.30	5.16	358.71
984Z-A100-1/4-A7.87			7.87	6.73	412.13
984Z-A100-1/4-A9.84			9.84	8.70	511.35
984Z-A100-5/16-A5.12	5/16	.83	5.12	3.98	343.08
984Z-A100-5/16-A6.30			6.30	5.16	358.71
984Z-A100-5/16-A7.87			7.87	6.73	412.13
984Z-A100-5/16-A9.84			9.84	8.70	511.35
984Z-A100-3/8-A5.12	3/8	.94	5.12	3.98	343.08
984Z-A100-3/8-A6.30			6.30	5.16	358.71
984Z-A100-3/8-A7.87			7.87	6.73	412.13
984Z-A100-3/8-A9.84			9.84	8.70	511.35
984Z-A100-1/2-A5.12	1/2	.94	5.12	3.98	343.08
984Z-A100-1/2-A6.30			6.30	5.16	358.71
984Z-A100-1/2-A7.87			7.87	6.73	412.13
984Z-A100-1/2-A9.84			9.84	8.70	511.35
984Z-A100-5/8-A5.12	5/8	1.06	5.12	3.98	343.08
984Z-A100-5/8-A6.30			6.30	5.16	358.71
984Z-A100-5/8-A7.87			7.87	6.73	412.13
984Z-A100-5/8-A9.84			9.84	8.70	511.35
984Z-A100-3/4-A5.12	3/4	1.30	5.12	3.98	343.08
984Z-A100-3/4-A6.30			6.30	5.16	358.71
984Z-A100-3/4-A7.87			7.87	6.73	412.13
984Z-A100-3/4-A9.84			9.84	8.70	511.35
984Z-A100-1-A5.12	1	1.73	5.12	3.98	343.08
984Z-A100-1-A6.30			6.30	5.16	358.71
984Z-A100-1-A7.87			7.87	6.73	412.13

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

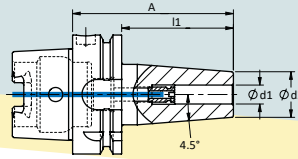


Product Order Number	d1	d2	A	l1	SPECIAL
995Z-A100-1/4-A3.35	1/4	.83	3.35	2.20	351.07
995Z-A100-1/4-A4.72			4.72	3.58	389.23
995Z-A100-1/4-A6.30			6.30	5.16	419.76
995Z-A100-1/4-A7.87			7.87	6.73	473.19
995Z-A100-5/16-A3.35	5/16	.83	3.35	2.20	351.07
995Z-A100-5/16-A4.72			4.72	3.58	389.23
995Z-A100-5/16-A6.30			6.30	5.16	419.76
995Z-A100-5/16-A7.87			7.87	6.73	473.19
995Z-A100-3/8-A3.54	3/8	.94	3.54	2.40	351.07
995Z-A100-3/8-A4.72			4.72	3.58	389.23
995Z-A100-3/8-A6.30			6.30	5.16	419.76
995Z-A100-3/8-A7.87			7.87	6.73	473.19
995Z-A100-1/2-A3.74	1/2	.94	3.74	2.60	351.07
995Z-A100-1/2-A4.72			4.72	3.58	389.23
995Z-A100-1/2-A6.30			6.30	5.16	419.76
995Z-A100-1/2-A7.87			7.87	6.73	473.19
995Z-A100-5/8-A3.94	5/8	1.06	3.94	2.80	351.07
995Z-A100-5/8-A4.72			4.72	3.58	389.23
995Z-A100-5/8-A6.30			6.30	5.16	419.76
995Z-A100-5/8-A7.87			7.87	6.73	473.19
995Z-A100-3/4-A4.13	3/4	1.30	4.13	2.99	351.07
995Z-A100-3/4-A4.72			4.72	3.58	389.23
995Z-A100-3/4-A6.30			6.30	5.16	419.76
995Z-A100-3/4-A7.87			7.87	6.73	473.19
995Z-A100-1-A4.53	1	1.73	4.53	3.39	389.23
995Z-A100-1-A6.30			6.30	5.16	419.76
995Z-A100-1-A7.87			7.87	6.73	473.19

HSK-A100 ShrinkFit METRIC

Series- 985

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

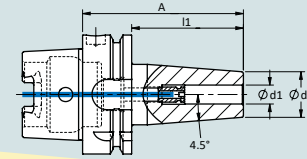


Product Order Number	d1	d2	A	l1	SPECIAL
985-A10003A120	3	11	120	91	376.23
985-A10004A85	4	14	85	56	337.84
985-A10004A120			120	91	376.23
985-A10005A85	5	16	85	56	337.84
985-A10006A85	6	21	85	56	291.77
985-A10006A120			120	91	330.16
985-A10006A160			160	131	360.87
985-A10006A200			200	171	414.62
985-A10006A250	7	21	250	221	514.43
985-A10007A120			120	91	414.62
985-A10008A85	8	21	85	56	291.77
985-A10008A120			120	91	330.16
985-A10008A160			160	131	360.87
985-A10008A200			200	171	414.62
985-A10008A250	9	24	250	221	514.43
985-A10009A120			120	91	414.62
985-A10010A90	10	24	90	61	291.77
985-A10010A120			120	91	330.16
985-A10010A160			160	131	360.87
985-A10010A200			200	171	414.62
985-A10010A250	11	24	250	221	514.43
985-A10011A120			120	91	414.62
985-A10012A95	12	24	95	66	291.77
985-A10012A120			120	91	330.16
985-A10012A160			160	131	360.87
985-A10012A200			200	171	414.62
985-A10012A250	13	27	250	221	514.43
985-A10013A120			120	91	414.62
985-A10014A95	14	27	95	66	291.77
985-A10014A120			120	91	330.16
985-A10014A160			160	131	360.87
985-A10014A200			200	171	414.62
985-A10014A250	15	27	250	221	514.43
985-A10015A100			100	71	414.62

HSK-A100 ShrinkFit METRIC

Series- 985

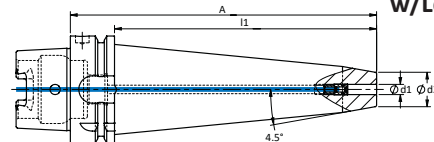
HSK-A100 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw



Product Order Number	d1	d2	A	l1	SPECIAL
985-A10016A100	16	27	100	71	307.13
985-A10016A120			120	91	330.16
985-A10016A160			160	131	360.87
985-A10016A200			200	171	414.62
985-A10016A250	18	33	250	221	514.43
985-A10018A100			100	71	307.13
985-A10018A120			120	91	330.16
985-A10018A160			160	131	360.87
985-A10018A200	20	33	200	171	414.62
985-A10018A250			250	221	514.43
985-A10020A105	25	44	105	76	307.13
985-A10020A120			120	91	330.16
985-A10020A160			160	131	360.87
985-A10020A200			200	171	414.62
985-A10020A250	32	44	250	221	514.43
985-A10025A115			115	86	330.16
985-A10025A160			160	131	360.87
985-A10025A200			200	171	414.62
985-A10032A120	32	44	120	91	330.16
985-A10032A160			160	131	360.87

Series- 985

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



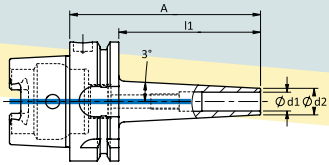
Product Order Number	d1	d2	A	l1	SPECIAL
985-A10006A329S	6	21	329	300	836.92
985-A10008A329S	8	21	329	300	836.92
985-A10010A329S	10	24	329	300	836.92
985-A10012A329S	12	24	329	300	836.92
985-A10016A329S	16	27	329	300	836.92
985-A10020A329S	20	33	329	300	836.92
985-A10025A329S	25	44	329	300	836.92

180 Metric and 103 Inch HSK-A100
ShrinkFit Tools Available

HSK-A100 ShrinkFit METRIC

Series- 925

HSK-A100 ShrinkFit Chuck
Extra Slim Execution 3°

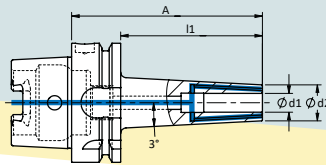


Product Order Number	d1	d2	A	l1	SPECIAL
925-A10004100	4	8	129	100	557.43
925-A10004150			179	150	611.18
925-A1000675	6	10	104	75	453.01
925-A10006100			129	100	491.40
925-A10006150			179	150	560.50
925-A10006200	8	12	229	200	675.68
925-A10008100			129	100	491.40
925-A10008150			179	150	560.50
925-A10008200	10	14	229	200	675.68
925-A10010100			129	100	491.40
925-A10010150			179	150	560.50
925-A10010200	12	16	229	200	675.68
925-A10012100			129	100	491.40
925-A10012150			179	150	560.50
925-A10012200			229	200	675.68

HSK-A100 ShrinkFit METRIC

Series- 996

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

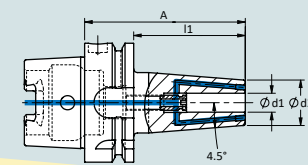


Product Order Number	d1	d2	A	l1	SPECIAL
996-A10004100	4	11	129	100	468.37
996-A10004150			179	150	537.47
996-A10004200	6	15	229	200	621.93
996-A10006100			129	100	445.33
996-A10006150			179	150	499.08
996-A10006200	8	17	229	200	575.86
996-A10008100			129	100	445.33
996-A10008150			179	150	499.08
996-A10008200	10	19	229	200	575.86
996-A10010100			129	100	445.33
996-A10010150			179	150	499.08
996-A10010200			229	200	575.86

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	353.19
995-A10006A120			120	91	391.58
995-A10006A160			160	131	422.30
995-A10006A200	8	21	200	171	476.04
995-A10008A85			85	56	353.19
995-A10008A120			120	91	391.58
995-A10008A160	10	24	160	131	422.30
995-A10008A200			200	171	476.04
995-A10010A90			90	61	353.19
995-A10010A120	12	24	120	91	391.58
995-A10010A160			160	131	422.30
995-A10010A200			200	171	476.04
995-A10012A95	14	27	95	66	353.19
995-A10012A120			120	91	391.58
995-A10012A160			160	131	422.30
995-A10012A200	16	27	200	171	476.04
995-A10014A95			95	66	353.19
995-A10014A120			120	91	391.58
995-A10014A160	18	33	160	131	422.30
995-A10014A200			200	171	476.04
995-A10016A100			100	71	353.19
995-A10016A120	20	33	120	91	391.58
995-A10016A160			160	131	422.30
995-A10016A200			200	171	476.04
995-A10018A100	25	44	100	71	391.58
995-A10018A160			160	131	422.30
995-A10020A120			120	91	391.58
995-A10020A160			160	131	422.30
995-A10020A200			200	171	476.04
995-A10025A115			115	86	391.58
995-A10025A160			160	131	422.30

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"

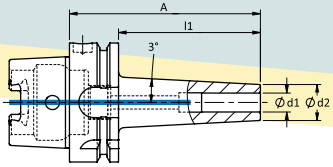
Induction Shrink Technology in a few easy steps



HSK-A100 ShrinkFit METRIC

Series- 915

HSK-A100 ShrinkFit Chuck
Slim Execution 3°

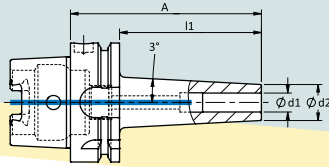


Product Order Number	d1	d2	A	l1	SPECIAL
915-A10003100	3	11	129	100	453.01
915-A10003150			179	150	514.43
915-A10003200			229	200	514.43
915-A1000450	4	11	79	50	314.80
915-A1000475			104	75	337.84
915-A10004100			129	100	360.87
915-A10004150	5	13	179	150	422.30
915-A10004200			229	200	514.43
915-A10005100			129	100	391.58
915-A10005150	6	15	179	150	422.30
915-A1000658			87	58	291.77
915-A1000675			104	75	314.80
915-A10006100	8	17	129	100	337.84
915-A10006150			179	150	391.58
915-A10006200			229	200	468.37
915-A10006300	10	19	329	300	744.78
915-A1000858			87	58	291.77
915-A1000875			104	75	314.80
915-A10008100	12	22	129	100	337.84
915-A10008150			179	150	391.58
915-A10008200			229	200	468.37
915-A10008300	14	24	329	300	744.78
915-A1001050			79	50	291.77
915-A1001075			104	75	314.80
915-A10010100	16	27	129	100	337.84
915-A10010150			179	150	391.58
915-A10010200			229	200	468.37
915-A10010200	18	30	329	300	744.78
915-A10010300			79	50	291.77
915-A1001250			104	75	314.80
915-A1001275	20	33	129	100	337.84
915-A10012100			179	150	391.58
915-A10012150			229	200	468.37
915-A10012200	25	44	329	300	744.78
915-A10012300			79	50	291.77
915-A10012300			104	75	314.80

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	291.77
915-A1001475			104	75	314.80
915-A10014100			129	100	337.84
915-A10014150	16	27	179	150	391.58
915-A10014200			229	200	468.37
915-A10014300			329	300	744.78
915-A1001660	18	30	89	60	314.80
915-A1001675			104	75	314.80
915-A10016100			129	100	337.84
915-A10016150	20	33	179	150	391.58
915-A10016200			229	200	468.37
915-A10016300			329	300	744.78
915-A1001865	25	44	94	65	314.80
915-A1001875			104	75	314.80
915-A10018100			129	100	337.84
915-A10018150	25	44	179	150	391.58
915-A10018200			229	200	468.37
915-A10018300			329	300	744.78
915-A1002065	25	44	94	65	314.80
915-A1002075			104	75	314.80
915-A10020100			129	100	337.84
915-A10020150	25	44	179	150	391.58
915-A10020200			229	200	468.37
915-A10020300			329	300	744.78
915-A1002575	25	44	104	75	314.80
915-A10025100			129	100	337.84
915-A10025150			179	150	391.58

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	189.95
990-393	5/16 - 1.00	219.95

Coolant Tubes & Wrenches For HSK Tooling

TAPER HSK Arbour	Coolant Tube		Wrench	
	Order #	SPECIAL	Order #	SPECIAL
HSK-A32	951-A32	15.95	952-A32	35.95
HSK-A40	951-A40	15.95	952-A40	35.95
HSK-A50	951-A50	16.95	952-A50	37.95
HSK-A63	951-A63	17.95	952-A63	39.95
HSK-A80	951-A80	18.95	952-A80	43.95
HSK-A100	951-A100	19.95	952-A100	46.95

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



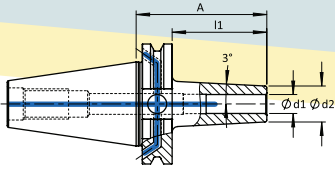
Induktherm Rapid Shrink

Induction Unit 600 volt / 10kW

CAT40 ShrinkFit INCH

Series- 945Z

CAT40 ShrinkFit Chuck
Slim Execution 3°

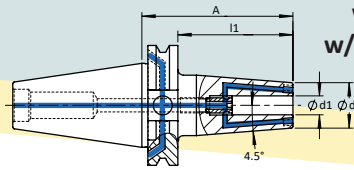


Product Order Number	d1	d2	A	l1	SPECIAL
945Z-CAT40-1/8-2.95	1/8	.43	3.70	2.95	218.28
945Z-CAT40-1/8-3.94			4.69	3.94	230.49
945Z-CAT40-1/8-5.91			6.66	5.91	328.18
945Z-CAT40-1/8-7.87			8.62	7.87	404.50
945Z-CAT40-3/16-2.95	3/16	.51	3.70	2.95	218.28
945Z-CAT40-3/16-3.94			4.69	3.94	230.49
945Z-CAT40-3/16-5.91			6.66	5.91	328.18
945Z-CAT40-1/4-2.95	1/4	.59	3.70	2.95	187.75
945Z-CAT40-1/4-3.94			4.69	3.94	199.96
945Z-CAT40-1/4-5.91			6.66	5.91	297.65
945Z-CAT40-1/4-7.87			8.62	7.87	373.97
945Z-CAT40-5/16-2.95	5/16	.67	3.70	2.95	187.75
945Z-CAT40-5/16-3.94			4.69	3.94	199.96
945Z-CAT40-5/16-5.91			6.66	5.91	297.65
945Z-CAT40-3/8-2.95	3/8	.75	3.70	2.95	187.75
945Z-CAT40-3/8-3.94			4.69	3.94	199.96
945Z-CAT40-3/8-5.91			6.66	5.91	297.65
945Z-CAT40-1/2-2.95	1/2	.87	3.70	2.95	187.75
945Z-CAT40-1/2-3.94			4.69	3.94	199.96
945Z-CAT40-1/2-5.91			6.66	5.91	297.65

CAT40 ShrinkFit INCH

Series- 995Z

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

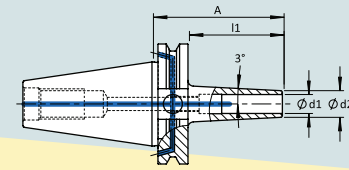


Product Order Number	d1	d2	A	l1	SPECIAL
995Z-CAT40-1/8-A3.15	1/8	.43	3.15	2.40	257.96
995Z-CAT40-3/16-A3.15	3/16	.55	3.15	2.40	257.96
995Z-CAT40-1/4-A3.15	1/4	.83	3.15	2.40	219.80
995Z-CAT40-1/4-A4.72			4.72	3.97	239.65
995Z-CAT40-5/16-A3.15	5/16	.83	3.15	2.40	219.80
995Z-CAT40-5/16-A4.72			4.72	3.97	239.65
995Z-CAT40-3/8-A3.15	3/8	.94	3.15	2.40	219.80
995Z-CAT40-3/8-A4.72			4.72	3.97	239.65
995Z-CAT40-7/16-A3.15	7/16	.94	3.15	2.40	219.80
995Z-CAT40-7/16-A4.72			4.72	3.97	239.65
995Z-CAT40-1/2-A3.15	1/2	.94	3.15	2.40	219.80
995Z-CAT40-1/2-A4.72			4.72	3.97	239.65
995Z-CAT40-5/8-A3.15	5/8	1.06	3.15	2.40	219.80
995Z-CAT40-5/8-A4.72			4.72	3.97	239.65
995Z-CAT40-3/4-A3.15	3/4	1.30	3.15	2.40	219.80
995Z-CAT40-3/4-A4.72			4.72	3.97	239.65
995Z-CAT40-7/8-A3.15	7/8	1.30	3.15	2.40	219.80
995Z-CAT40-7/8-A4.72			4.72	3.97	239.65
995Z-CAT40-1-A3.94	1	1.73	3.94	3.19	239.65

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	259.49
925Z-CAT40-1/8-3.94			4.96	3.94	274.75
925Z-CAT40-3/16-2.95	3/16	.35	3.70	2.95	259.49
925Z-CAT40-3/16-3.94			4.96	3.94	274.75
925Z-CAT40-1/4-2.95	1/4	.39	3.70	2.95	221.33
925Z-CAT40-1/4-3.94			4.96	3.94	236.59
925Z-CAT40-5/16-2.95	5/16	.47	3.70	2.95	221.33
925Z-CAT40-5/16-3.94			4.96	3.94	236.59
925Z-CAT40-3/8-2.95	3/8	.55	3.70	2.95	221.33
925Z-CAT40-3/8-3.94			4.96	3.94	236.59

Height Adjustment Tool

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

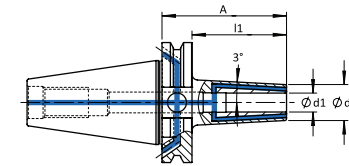


Order Number	Range	SPECIAL
990-395	1/8 - 5/8	189.95
990-393	5/16 - 1.00	219.95

21 Metric and 101 Inch
CAT40 ShrinkFit
Tools Available

Series- 996Z

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

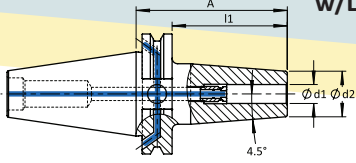


Product Order Number	d1	d2	A	l1	SPECIAL
996Z-CAT40-1/8-2.95	1/8	.43	3.70	2.95	297.65
996Z-CAT40-1/8-3.94			4.69	3.94	312.91
996Z-CAT40-3/16-2.95	3/16	.51	3.70	2.95	297.65
996Z-CAT40-3/16-3.94			4.69	3.94	312.91
996Z-CAT40-1/4-2.95	1/4	.59	3.70	2.95	259.49
996Z-CAT40-1/4-3.94			4.69	3.94	274.75
996Z-CAT40-5/16-2.95	5/16	.67	3.70	2.95	259.49
996Z-CAT40-5/16-3.94			4.69	3.94	274.75
996Z-CAT40-3/8-2.95	3/8	.75	3.70	2.95	259.49
996Z-CAT40-3/8-3.94			4.69	3.94	274.75

CAT40 ShrinkFit INCH

Series- 985Z

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

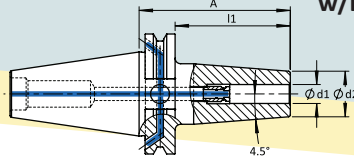


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-CAT40-1/8-A3.15	1/8	.43	3.15	2.40	212.17
985Z-CAT40-1/8-A4.72			4.72	3.97	232.01
985Z-CAT40-3/16-A3.15	3/16	.55	3.15	2.40	212.17
985Z-CAT40-3/16-A4.72			4.72	3.97	232.01
985Z-CAT40-1/4-A3.15	1/4	.83	3.15	2.40	174.01
985Z-CAT40-1/4-A4.72			4.72	3.97	193.85
985Z-CAT40-1/4-A5.12			5.12	4.37	204.25
985Z-CAT40-1/4-A6.30			6.30	5.55	242.70
985Z-CAT40-5/16-A3.15	5/16	.83	3.15	2.40	174.01
985Z-CAT40-5/16-A4.72			4.72	3.97	193.85
985Z-CAT40-5/16-A5.12			5.12	4.37	204.25
985Z-CAT40-5/16-A6.30	3/8	.94	6.30	5.55	242.70
985Z-CAT40-3/8-A3.15			3.15	2.40	174.01
985Z-CAT40-3/8-A4.72			4.72	3.97	193.85
985Z-CAT40-3/8-A5.12			5.12	4.37	204.25
985Z-CAT40-3/8-A6.30	7/16	.94	6.30	5.55	242.70
985Z-CAT40-7/16-A3.15			3.15	2.40	174.01
985Z-CAT40-7/16-A4.72			4.72	3.97	193.85
985Z-CAT40-7/16-A5.12			5.12	4.37	204.25
985Z-CAT40-7/16-A6.30	1/2	.94	6.30	5.55	242.70
985Z-CAT40-1/2-A3.15			3.15	2.40	174.01
985Z-CAT40-1/2-A4.72			4.72	3.97	193.85
985Z-CAT40-1/2-A5.12			5.12	4.37	204.25
985Z-CAT40-1/2-A6.30			6.30	5.55	242.70

CAT40 ShrinkFit INCH

Series- 985Z

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

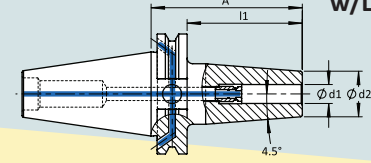


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-CAT40-5/8-A3.15	5/8	1.06	3.15	2.40	174.01
985Z-CAT40-5/8-A4.72			4.72	3.97	193.85
985Z-CAT40-5/8-A5.12			5.12	4.37	204.25
985Z-CAT40-5/8-A6.30	3/4	1.30	6.30	5.55	242.70
985Z-CAT40-3/4-A3.15			3.15	2.40	174.01
985Z-CAT40-3/4-A4.72			4.72	3.97	193.85
985Z-CAT40-3/4-A5.12			5.12	4.37	204.25
985Z-CAT40-3/4-A6.30	7/8	1.30	6.30	5.55	242.70
985Z-CAT40-7/8-A3.15			3.15	2.40	174.01
985Z-CAT40-7/8-A4.72			4.72	3.97	193.85
985Z-CAT40-7/8-A6.30	1	1.73	6.30	5.55	242.70
985Z-CAT40-1-A3.94			3.94	3.19	183.17
985Z-CAT40-1-A4.72			4.72	3.66	193.85
985Z-CAT40-1-A5.12			5.12	4.37	204.25
985Z-CAT40-1-A6.30	1.1/4	1.73	6.30	5.55	242.70
985Z-CAT40-1.1/4-A3.94			3.94	3.19	183.17
985Z-CAT40-1.1/4-A4.72			4.72	3.66	193.85
985Z-CAT40-1.1/4-A6.30			6.30	5.55	242.70

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	174.01
985-CAT4006A120			120	100.9	193.85
985-CAT4006A130			130	110.9	204.25
985-CAT4008A80	8	21	80	60.9	174.01
985-CAT4008A120			120	100.9	193.85
985-CAT4008A130			130	110.9	204.25
985-CAT4010A80	10	24	80	60.9	174.01
985-CAT4010A120			120	100.9	193.85
985-CAT4010A130			130	110.9	204.25
985-CAT4012A80	12	24	80	60.9	174.01
985-CAT4012A120			120	100.9	193.85
985-CAT4012A130			130	110.9	204.25
985-CAT4016A80	16	27	80	60.9	174.01
985-CAT4016A120			120	100.9	193.85
985-CAT4016A130			130	110.9	204.25
985-CAT4020A80	20	33	80	60.9	174.01
985-CAT4020A120			120	100.9	193.85
985-CAT4020A130			130	110.9	204.25
985-CAT4025A100	25	44	100	80.9	183.17
985-CAT4025A130			130	110.9	204.25
985-CAT4032A100			100	80.9	183.17

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	189.95
990-393	5/16 - 1.00	219.95

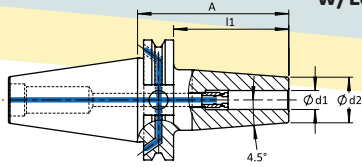
Need Metric tools?
We have over 1,950
Metric Tools Available

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

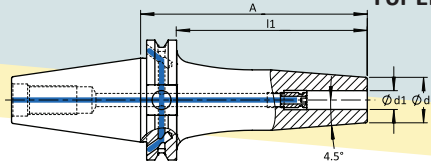


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-CAT50-1/4-A3.15	1/4	.83	3.15	2.40	284.68
985Z-CAT50-1/4-A4.72			4.72	3.97	309.86
985Z-CAT50-1/4-A6.30			6.30	5.55	355.65
985Z-CAT50-1/4-A7.87			7.87	7.12	398.39
985Z-CAT50-5/16-A3.15	5/16	.83	3.15	2.40	284.68
985Z-CAT50-5/16-A4.72			4.72	3.97	309.86
985Z-CAT50-5/16-A6.30			6.30	5.55	355.65
985Z-CAT50-3/8-A3.15	3/8	.94	3.15	2.40	284.68
985Z-CAT50-3/8-A4.72			4.72	3.97	309.86
985Z-CAT50-3/8-A6.30			6.30	5.55	355.65
985Z-CAT50-3/8-A7.87			7.87	7.12	398.39
985Z-CAT50-1/2-A3.15	1/2	.94	3.15	2.40	284.68
985Z-CAT50-1/2-A4.72			4.72	3.97	309.86
985Z-CAT50-1/2-A6.30			6.30	5.55	355.65
985Z-CAT50-1/2-A7.87			7.87	7.12	398.39
985Z-CAT50-5/8-A3.15	5/8	1.06	3.15	2.40	284.68
985Z-CAT50-5/8-A4.72			4.72	3.97	309.86
985Z-CAT50-5/8-A6.30			6.30	5.55	355.65
985Z-CAT50-5/8-A7.87			7.87	7.12	398.39
985Z-CAT50-3/4-A3.15	3/4	1.30	3.15	2.40	284.68
985Z-CAT50-3/4-A4.72			4.72	3.97	309.86
985Z-CAT50-3/4-A6.30			6.30	5.55	355.65
985Z-CAT50-3/4-A7.87			7.87	7.12	398.39
985Z-CAT50-1-A3.94	1	1.73	3.94	3.19	294.60
985Z-CAT50-1-A4.72			4.72	3.97	309.86
985Z-CAT50-1-A6.30			6.30	5.55	355.65
985Z-CAT50-1.1/4-A3.94	1.1/4	1.73	3.94	3.19	294.60
985Z-CAT50-1.1/4-A4.72			4.72	3.97	309.86
985Z-CAT50-1.1/4-A6.30			6.30	5.55	355.65

CAT50 ShrinkFit INCH

Series- 984Z

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

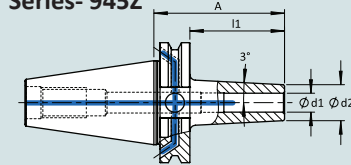


Product Order Number	d1	d2	A	l1	SPECIAL
984Z-CAT50-1/4-A5.12	1/4	.83	5.12	4.37	326.36
984Z-CAT50-1/4-A6.30			6.30	5.55	355.65
984Z-CAT50-1/4-A7.87			7.87	7.12	398.39
984Z-CAT50-5/16-A5.12	5/16	.83	5.12	4.37	326.36
984Z-CAT50-5/16-A6.30			6.30	5.55	355.65
984Z-CAT50-5/16-A7.87			7.87	7.12	398.39
984Z-CAT50-3/8-A5.12	3/8	.94	5.12	4.37	326.36
984Z-CAT50-3/8-A6.30			6.30	5.55	355.65
984Z-CAT50-3/8-A7.87			7.87	7.12	398.39
984Z-CAT50-7/16-A5.12	7/16	.94	5.12	4.37	326.36
984Z-CAT50-1/2-A5.12	1/2	.94	5.12	4.37	326.36
984Z-CAT50-1/2-A6.30			6.30	5.55	355.65
984Z-CAT50-1/2-A7.87			7.87	7.12	398.39
984Z-CAT50-5/8-A5.12	5/8	1.06	5.12	4.37	326.36
984Z-CAT50-5/8-A6.30			6.30	5.55	355.65
984Z-CAT50-5/8-A7.87	3/4	1.30	7.87	7.12	398.39
984Z-CAT50-3/4-A5.12			5.12	4.37	326.36
984Z-CAT50-3/4-A6.30	3/4	1.30	6.30	5.55	355.65
984Z-CAT50-3/4-A7.87			7.87	7.12	398.39
984Z-CAT50-1-A5.12	1	1.73	5.12	4.37	326.36
984Z-CAT50-1-A6.30			6.30	5.55	355.65
984Z-CAT50-1-A7.87			7.87	7.12	398.39
984Z-CAT50-1.1/4-A5.12	1.1/4	1.73	5.12	4.37	326.36
984Z-CAT50-1.1/4-A6.30			6.30	5.55	355.65
984Z-CAT50-1.1/4-A7.87			7.87	7.12	398.39

CAT50 ShrinkFit INCH

Series- 945Z

CAT50 ShrinkFit Chuck
Slim Execution 3°

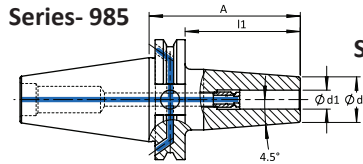


Product Order Number	d1	d2	A	l1	SPECIAL
945Z-CAT50-1/8-5.91	1/8	.43	6.66	5.91	632.37
945Z-CAT50-1/4-3.94	1/4	.59	4.69	3.94	351.07
945Z-CAT50-1/4-5.91			6.66	5.91	404.50
945Z-CAT50-1/4-7.87			8.62	7.87	465.56
945Z-CAT50-5/16-3.94	5/16	.67	4.69	3.94	351.07
945Z-CAT50-5/16-5.91			6.66	5.91	404.50
945Z-CAT50-5/16-7.87			8.62	7.87	465.56
945Z-CAT50-3/8-3.94	3/8	.75	4.69	3.94	351.07
945Z-CAT50-3/8-5.91			6.66	5.91	404.50
945Z-CAT50-3/8-7.87			8.62	7.87	465.56
945Z-CAT50-1/2-3.94	1/2	.87	4.69	3.94	351.07
945Z-CAT50-1/2-5.91			6.66	5.91	404.50
945Z-CAT50-1/2-7.87			8.62	7.87	465.56

CAT50 ShrinkFit METRIC

Series- 985

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



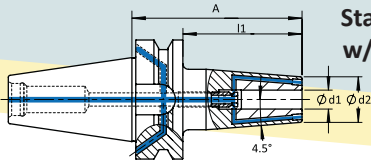
Product Order Number	d1	d2	A	l1	SPECIAL
985-CAT5006A80	6	21	80	60.9	284.68
985-CAT5006A120			120	100.9	309.86
985-CAT5008A80	8	21	80	60.9	284.68
985-CAT5008A120			120	100.9	309.86
985-CAT5010A80	10	24	80	60.9	284.68
985-CAT5010A120			120	100.9	309.86
985-CAT5012A80	12	24	80	60.9	284.68
985-CAT5012A120			120	100.9	309.86
985-CAT5016A80	16	27	80	60.9	284.68
985-CAT5016A120			120	100.9	309.86
985-CAT5020A80	20	33	80	60.9	284.68
985-CAT5020A120			120	100.9	309.86
985-CAT5025A100	25	44	100	80.9	294.60
985-CAT5025A120			120	100.9	309.86
985-CAT5032A100	32	44	100	80.9	294.60
985-CAT5032A120			120	100.9	309.86

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

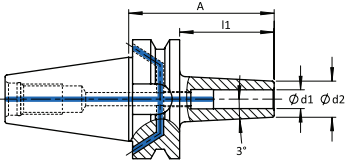


Product Order Number	d1	d2	A	l1	SPECIAL
995Z-BT40-1/4-A3.54	1/4	.83	3.54	2.48	230.49
995Z-BT40-1/4-A5.12			5.12	4.06	263.27
995Z-BT40-5/16-A3.54	5/16	.83	3.54	2.48	230.49
995Z-BT40-5/16-A5.12			5.12	4.06	263.27
995Z-BT40-3/8-A3.54	3/8	.94	3.54	2.48	230.49
995Z-BT40-3/8-A5.12			5.12	4.06	263.27
995Z-BT40-1/2-A3.54	1/2	.94	3.54	2.48	230.49
995Z-BT40-1/2-A5.12			5.12	4.06	263.27
995Z-BT40-5/8-A3.54	5/8	1.06	3.54	2.48	230.49
995Z-BT40-5/8-A5.12			5.12	4.06	263.27
995Z-BT40-3/4-A3.54	3/4	1.30	3.54	2.48	230.49
995Z-BT40-3/4-A5.12			5.12	4.06	263.27

BT40 ShrinkFit INCH

Series- 945Z

BT40 ShrinkFit Chuck
Slim Execution 3°

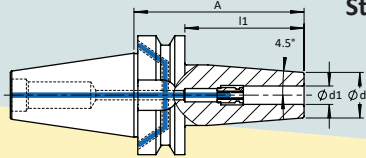


Product Order Number	d1	d2	A	l1	SPECIAL
945Z-BT40-1/8-2.95	1/8	.43	4.02	2.95	223.15
945Z-BT40-1/8-3.94			5.00	3.94	239.86
945Z-BT40-3/16-2.95	3/16	.51	4.02	2.95	223.15
945Z-BT40-3/16-3.94			5.00	3.94	239.86
945Z-BT40-1/4-2.95	1/4	.59	4.02	2.95	192.62
945Z-BT40-1/4-3.94			5.00	3.94	209.34
945Z-BT40-1/4-5.91	1/4	.59	6.97	5.91	290.02
945Z-BT40-5/16-2.95			4.02	2.95	192.62
945Z-BT40-5/16-3.94	5/16	.67	5.00	3.94	209.34
945Z-BT40-5/16-5.91			6.97	5.91	290.02
945Z-BT40-3/8-2.95	3/8	.75	4.02	2.95	192.62
945Z-BT40-3/8-3.94			5.00	3.94	209.34
945Z-BT40-3/8-5.91	3/8	.75	6.97	5.91	290.02

BT40 ShrinkFit INCH

Series- 985Z

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

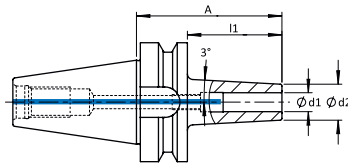


Product Order Number	d1	d2	A	l1	SPECIAL
985Z-BT40-1/8-A3.15	1/8	.43	3.15	2.09	222.86
985Z-BT40-3/16-A3.15	3/16	.55	3.15	2.09	222.86
985Z-BT40-1/4-A3.54	1/4	.83	3.54	2.48	184.70
985Z-BT40-1/4-A5.12			5.12	4.06	204.25
985Z-BT40-5/16-A3.54	5/16	.83	3.54	2.48	184.70
985Z-BT40-5/16-A5.12			5.12	4.06	204.25
985Z-BT40-3/8-A3.54	3/8	.94	3.54	2.48	184.70
985Z-BT40-3/8-A5.12			5.12	4.06	204.25
985Z-BT40-1/2-A3.54	1/2	.94	3.54	2.48	184.70
985Z-BT40-1/2-A5.12			5.12	4.06	204.25
985Z-BT40-5/8-A3.54	5/8	1.06	3.54	2.48	184.70
985Z-BT40-5/8-A5.12			5.12	4.06	204.25
985Z-BT40-3/4-A3.54	3/4	1.30	3.54	2.48	184.70
985Z-BT40-3/4-A5.12			5.12	4.06	204.25
985Z-BT40-1-A3.94	1	1.73	3.94	2.87	195.38
985Z-BT40-1-A5.12			5.12	4.06	204.25
985Z-BT40-1.1/4-A3.94	1.1/4	1.73	3.94	2.87	195.38
985Z-BT40-1.1/4-A5.12			5.12	4.06	204.25

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	207.31
915-BT400375			102	75	222.67
915-BT4003100			127	100	238.02
915-BT4003150			177	150	337.84
915-BT4003200	4	11.00	227	200	399.26
915-BT400450			77	50	207.31
915-BT400475			102	75	222.67
915-BT4004100			127	100	238.02

BT40 ShrinkFit METRIC

Series- 915
...continued

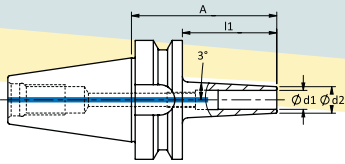
BT40 ShrinkFit Chuck
Slim Execution 3°

Product Order Number	d1	d2	A	l1	SPECIAL
915-BT4004150	4	11.00	177	150	337.84
915-BT4004200			227	200	399.26
915-BT400550	5	13.00	77	50	207.31
915-BT400575			102	75	222.67
915-BT4005100	6	15.00	127	100	238.02
915-BT400650			77	50	175.06
915-BT400675	6	15.00	102	75	182.74
915-BT4006100			127	100	193.49
915-BT4006150	8	17.00	177	150	291.77
915-BT4006200			227	200	368.55
915-BT400850	8	17.00	77	50	175.06
915-BT400875			102	75	182.74
915-BT4008100	8	17.00	127	100	193.49
915-BT4008150			177	150	291.77
915-BT4008200	10	19.00	227	200	368.55
915-BT401050			77	50	175.06
915-BT401075	10	19.00	102	75	182.74
915-BT4010100			127	100	193.49
915-BT4010150	12	22.00	177	150	291.77
915-BT4010200			227	200	368.55
915-BT401250	12	22.00	77	50	175.06
915-BT401275			102	75	182.74
915-BT4012100	12	22.00	127	100	193.49
915-BT4012150			177	150	291.77
915-BT4012200	14	24.00	227	200	368.55
915-BT401450			77	50	184.28
915-BT401475	14	24.00	102	75	191.95
915-BT4014100			127	100	207.31
915-BT4014150	16	27.00	177	150	307.13
915-BT401650			77	50	175.06
915-BT401660	16	27.00	87	60	182.74
915-BT401675			102	75	182.74
915-BT4016100	18	30.00	127	100	193.49
915-BT4016150			177	150	291.77
915-BT401850	18	30.00	77	50	184.28
915-BT4018100			127	100	207.31
915-BT402050	20	33.00	77	50	182.74
915-BT4020100			127	100	193.49
915-BT4020150	25	44.00	177	150	291.77
915-BT402560			87	60	193.49
915-BT4025100	25	44.00	127	100	193.49

BT40 ShrinkFit METRIC

Series- 925

BT40 ShrinkFit Chuck
Extra Slim Execution 3°

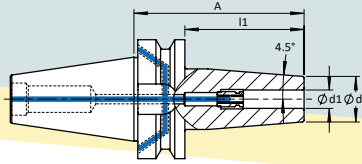


Product Order Number	d1	d2	A	l1	SPECIAL
925-BT400375	3	7.00	102	75	238.02
925-BT4003100			127	100	253.38
925-BT400475	4	8.00	102	75	238.02
925-BT4004100			127	100	253.38
925-BT4004150			177	150	353.19
925-BT400650	6	10.00	77	50	190.42
925-BT400675			102	75	198.10
925-BT4006100			127	100	208.85
925-BT4006150			177	150	307.13
925-BT4006200	8	12.00	227	200	383.91
925-BT400850			77	50	190.42
925-BT400875			102	75	198.10
925-BT4008100			127	100	208.85
925-BT4008150			177	150	307.13
925-BT4008200	10	14.00	227	200	383.91
925-BT401050			77	50	190.42
925-BT401075			102	75	198.10
925-BT4010100			127	100	208.85
925-BT4010150			177	150	307.13
925-BT4010200			227	200	383.91
925-BT401250	12	16.00	77	50	190.42
925-BT401275			102	75	198.10
925-BT4012100			127	100	208.85
925-BT4012150			177	150	307.13
925-BT4012200			227	200	383.91
925-BT401675	16	22.00	102	75	198.10

BT40 ShrinkFit METRIC

Series- 985

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

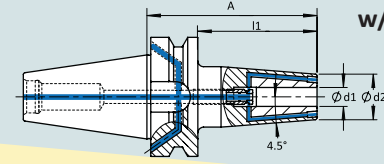


Product Order Number	d1	d2	A	l1	SPECIAL
985-BT4003A80	3	11.00	80	53	224.20
985-BT4004A80	4	14.00	80	53	224.20
985-BT4005A80	5	16.00	80	53	224.20
985-BT4006A90	6	21.00	90	63	185.81
985-BT4006A120			120	93	214.99
985-BT4006A160	8	21.00	160	133	248.77
985-BT4008A90			90	63	185.81
985-BT4008A120	10	24.00	120	93	214.99
985-BT4008A160			160	133	248.77
985-BT4010A90	12	24.00	90	63	185.81
985-BT4010A120			120	93	214.99
985-BT4010A160	14	27.00	160	133	248.77
985-BT4012A90			90	63	185.81
985-BT4012A120	16	27.00	120	93	214.99
985-BT4012A160			160	133	248.77
985-BT4014A90	18	33.00	90	63	185.81
985-BT4014A120			120	93	214.99
985-BT4016A90	20	33.00	90	63	185.81
985-BT4016A120			120	93	214.99
985-BT4016A160	25	44.00	160	133	248.77
985-BT4018A90			100	73	196.56
985-BT4018A120	32	44.00	160	133	248.77
985-BT4020A90			100	73	196.56
985-BT4020A120	32	44.00	100	73	196.56
985-BT4020A160			160	133	248.77

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	231.88
995-BT4006A120			120	93	261.06
995-BT4006A160	8	21.00	160	133	322.48
995-BT4008A90			90	63	231.88
995-BT4008A120	10	24.00	120	93	261.06
995-BT4008A160			160	133	322.48
995-BT4010A90	12	24.00	90	63	231.88
995-BT4010A120			120	93	261.06
995-BT4010A160	14	27.00	160	133	322.48
995-BT4012A90			90	63	231.88
995-BT4012A120	16	27.00	120	93	261.06
995-BT4012A160			160	133	322.48
995-BT4014A90	20	33.00	90	63	231.88
995-BT4016A90			120	93	261.06
995-BT4016A120	25	44.00	160	133	322.48
995-BT4020A90			100	73	196.56
995-BT4020A120	32	44.00	100	73	196.56
995-BT4025A100			160	133	248.77

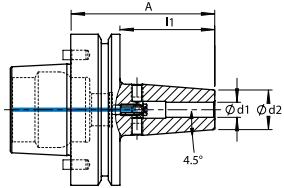
BT30 & BT40 tools also available
in Metric with Face Contact

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.

HSK-F80 Makino MAG METRIC

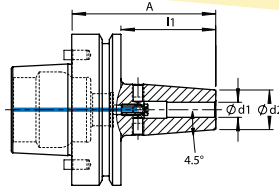
Series- 985Z



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	320.55
985Z-F80M-5/16-A3.00	5/16	.83	3.00	1.98	320.55
985Z-F80M-3/8-A3.00	3/8	1.00	3.00	1.98	320.55
985Z-F80M-7/16-A3.00	7/16	1.02	3.00	1.98	320.55
985Z-F80M-1/2-A3.00	1/2	1.02	3.00	1.98	320.55
985Z-F80M-1/2-A6.00			6.00	4.98	443.39
985Z-F80M-5/8-A3.00	5/8	1.14	3.00	1.98	320.55
985Z-F80M-3/4-A2.75	3/4	1.38	2.75	1.73	320.55
985Z-F80M-3/4-A3.00			3.00	1.98	320.55
985Z-F80M-3/4-A4.00			4.00	2.98	341.63
985Z-F80M-1-A2.75	1	1.81	2.75	1.73	320.55
985Z-F80M-1-A3.00			3.00	1.98	320.55
985Z-F80M-1-A6.30			6.30	5.28	443.39
985Z-F80M-1.1/4-A3.50			1.1/4	1.77	325.63

Series- 985

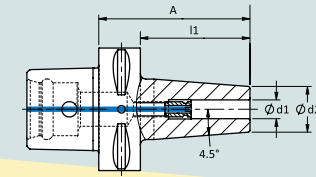


HSK-F80 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw
w/pins for MAKINO MAG

Product Order Number	d1	d2	A	l1	SPECIAL
985-F80M06A76.2	6	21.0	76.20	50.2	320.55
985-F80M06A82.55			82.55	56.55	325.63
985-F80M08A76.2	8	21.0	76.20	50.2	320.55
985-F80M10A76.2	10	26.0	76.20	50.2	320.55
985-F80M10A82.55			82.55	56.55	325.63
985-F80M12A76.2	12	26.0	76.20	50.2	320.55
985-F80M14A76.2	14	29.0	76.20	50.2	320.55
985-F80M16A76.2	16	29.0	76.20	50.2	320.55
985-F80M16A82.55			82.55	56.55	325.63
985-F80M20A70	20	35.5	70.00	44	320.55
985-F80M20A76.2			76.20	50.2	320.55
985-F80M25A70	25	46.0	70.00	44	320.55
985-F80M25A76.2			76.20	50.2	320.55

PSC50 ShrinkFit INCH

Series- 985Z

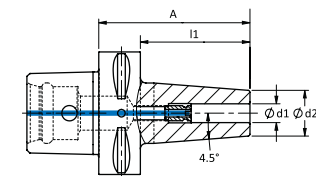


PSC-50 ShrinkFit Chuck
Standard Execution 4.5°
w/Length Adjusting Screw

Product Order Number	d1	d2	A	l1	SPECIAL
985Z-PSC50-1/8-A2.95	1/8	.43	2.95	2.17	385.24
985Z-PSC50-3/16-A2.95	3/16	.55	2.95	2.17	385.24
985Z-PSC50-1/4-A2.95	1/4	.83	2.95	2.17	346.50
985Z-PSC50-5/16-A2.95	5/16	.83	2.95	2.17	346.50
985Z-PSC50-3/8-A2.95	3/8	.94	2.95	2.17	346.50
985Z-PSC50-1/2-A2.95	1/2	.94	2.95	2.17	346.50
985Z-PSC50-5/8-A3.15	5/8	1.06	3.15	2.36	346.50
985Z-PSC50-3/4-A3.15	3/4	1.06	3.15	2.36	346.50

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	373.97
985Z-PSC63-3/16-A3.15	3/16	.55	3.15	2.28	373.97
985Z-PSC63-1/4-A3.15	1/4	.83	3.15	2.28	320.55
985Z-PSC63-1/4-A4.72			4.72	3.86	389.23
985Z-PSC63-5/16-A3.15	5/16	.83	3.15	2.28	320.55
985Z-PSC63-5/16-A4.72			4.72	3.86	389.23
985Z-PSC63-3/8-A3.15	3/8	.94	3.15	2.28	320.55
985Z-PSC63-3/8-A4.72			4.72	3.86	389.23
985Z-PSC63-1/2-A3.15	1/2	.94	3.15	2.28	320.55
985Z-PSC63-1/2-A4.72			4.72	3.86	389.23
985Z-PSC63-5/8-A3.35	5/8	1.06	3.35	2.48	320.55
985Z-PSC63-5/8-A4.72			4.72	3.86	389.23
985Z-PSC63-3/4-A3.35	3/4	1.30	3.35	2.48	320.55
985Z-PSC63-3/4-A4.72			4.72	3.86	389.23
985Z-PSC63-1-A3.54	1	1.73	3.54	2.68	335.81
985Z-PSC63-1.1/4-A3.74	1.1/4	1.73	3.74	2.87	343.44

SPECIAL PRICING VALID UNTIL DECEMBER 31ST 2021!

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