

rineck

• Werkzeugtechnik



- Shrink fit chucks

Inch Shrink Fit Tooling

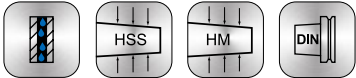
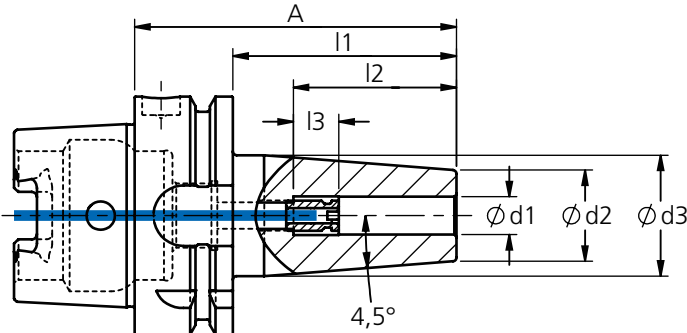
TOOLS ARE OUR PASSION  MADE IN GERMANY

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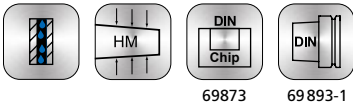
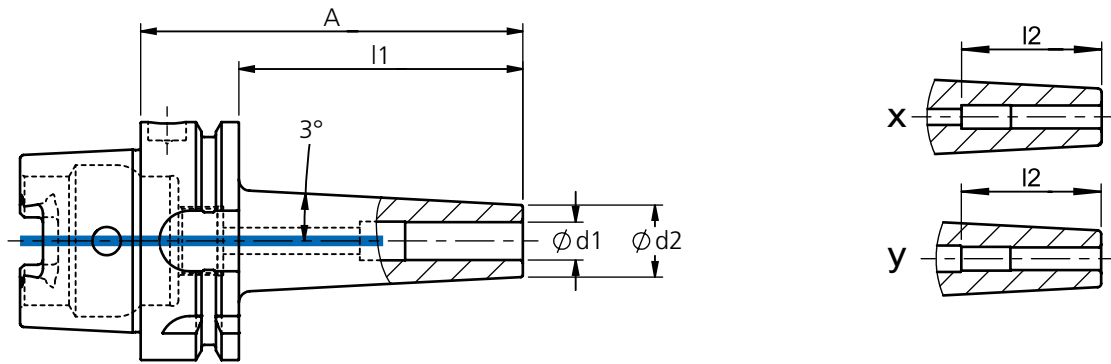
Shrink fit chuck HSK-A40, standard execution 4,5°, incl. length adjusting screw



69893-1

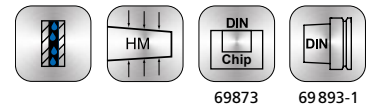
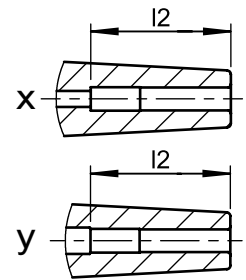
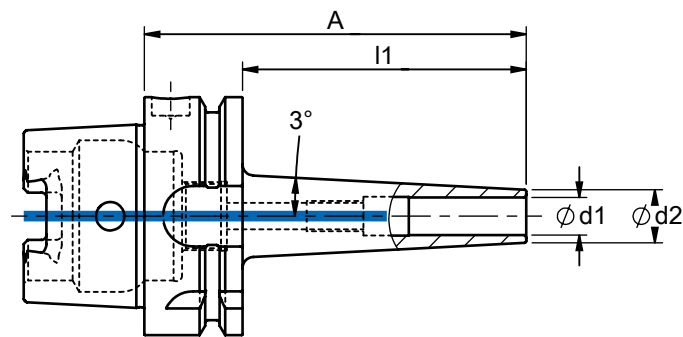
order number	HSK	Ø d1	Ø d2	Ø d3	A	l1	l2	l3		
985Z-A40-1/8-A2.36	A40	1/8	0.43	0.59	2.36	1.57	0.47	-	-	G2.5/25.000 or U<1gmm
985Z-A40-3/16-A2.36	A40	3/16	0.55	0.87	2.36	1.57	0.63	-	-	
985Z-A40-1/4-A3.15	A40	1/4	0.83	1.06	3.15	2.36	1.42	0.39	948-001	
985Z-A40-5/16-A3.15	A40	5/16	0.83	1.06	3.15	2.36	1.42	0.39	948-002	
985Z-A40-3/8-A3.15	A40	3/8	0.94	1.26	3.15	2.36	1.65	0.39	948-003	
985Z-A40-1/2-A3.54	A40	1/2	0.94	1.26	3.54	2.76	1.85	0.39	948-004	G2.5/25.000 or U<1gmm
985Z-A40-5/8-A3.54	A40	5/8	1.06	1.34	3.54	2.76	1.97	0.39	948-005	

Shrink fit chuck HSK-A63, slim execution 3°

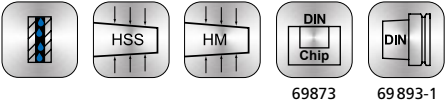
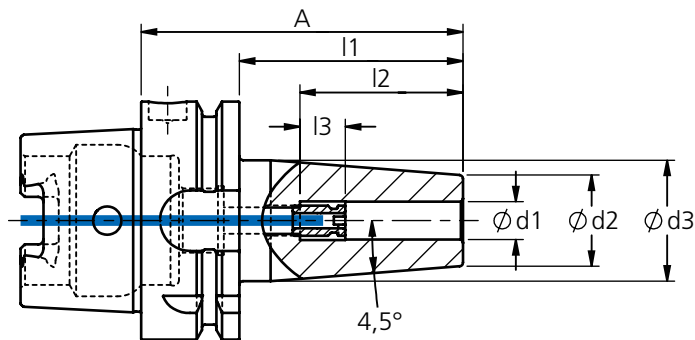


order number	HSK	Ø d1	Ø d2	Ø d3	A	l1	l2	x	y	
915Z-A63-1/8-2.95	A63	1/8	0.43	-	3.98	2.95	0.47	-	x	G2.5/25.000 or U<1mm
915Z-A63-1/8-3.94	A63	1/8	0.43	-	4.96	3.94	0.47	-	x	
915Z-A63-1/8-5.91	A63	1/8	0.43	-	6.93	5.91	0.47	-	x	
915Z-A63-1/8-7.87	A63	1/8	0.43	-	8.90	7.87	0.47	-	x	
915Z-A63-3/16-2.95	A63	3/16	0.51	-	3.98	2.95	0.63	-	x	
915Z-A63-3/16-3.94	A63	3/16	0.51	-	4.96	3.94	0.63	-	x	
915Z-A63-3/16-5.91	A63	3/16	0.51	-	6.93	5.91	0.63	-	x	
915Z-A63-3/16-7.87	A63	3/16	0.51	-	8.90	7.87	0.63	-	x	
915Z-A63-1/4-2.95	A63	1/4	0.59	-	3.98	2.95	1.42	-	x	
915Z-A63-1/4-3.94	A63	1/4	0.59	-	4.96	3.94	1.42	-	x	
915Z-A63-1/4-5.91	A63	1/4	0.59	-	6.93	5.91	1.42	-	x	
915Z-A63-1/4-7.87	A63	1/4	0.59	-	8.90	7.87	1.42	-	x	
915Z-A63-1/4-9.84	A63	1/4	0.59	-	10.87	9.84	1.42	x	-	
915Z-A63-1/4-11.81	A63	1/4	0.59	-	12.83	11.81	1.42	x	-	
915Z-A63-5/16-2.95	A63	5/16	0.67	-	3.98	2.95	1.42	-	x	
915Z-A63-5/16-3.94	A63	5/16	0.67	-	4.96	3.94	1.42	-	x	
915Z-A63-5/16-5.91	A63	5/16	0.67	-	6.93	5.91	1.42	-	x	
915Z-A63-5/16-7.87	A63	5/16	0.67	-	8.90	7.87	1.42	-	x	
915Z-A63-5/16-9.84	A63	5/16	0.67	-	10.87	9.84	1.42	x	-	
915Z-A63-5/16-11.81	A63	5/16	0.67	-	12.83	11.81	1.42	x	-	
915Z-A63-3/8-2.95	A63	3/8	0.75	-	3.98	2.95	1.65	x	-	
915Z-A63-3/8-3.94	A63	3/8	0.75	-	4.96	3.94	1.65	x	-	
915Z-A63-3/8-5.91	A63	3/8	0.75	-	6.93	5.91	1.65	x	-	
915Z-A63-3/8-7.87	A63	3/8	0.75	-	8.90	7.87	1.65	x	-	
915Z-A63-3/8-9.84	A63	3/8	0.75	-	10.87	9.84	1.65	x	-	
915Z-A63-3/8-11.81	A63	3/8	0.75	-	12.83	11.81	1.65	x	-	
915Z-A63-7/16-2.95	A63	7/16	0.87	-	3.98	2.95	1.65	x	-	
915Z-A63-7/16-3.94	A63	7/16	0.87	-	4.96	3.94	1.65	x	-	
915Z-A63-7/16-5.91	A63	7/16	0.87	-	6.93	5.91	1.65	x	-	
915Z-A63-7/16-7.87	A63	7/16	0.87	-	8.90	7.87	1.65	x	-	
915Z-A63-1/2-2.95	A63	1/2	0.87	-	3.98	2.95	1.85	x	-	
915Z-A63-1/2-3.94	A63	1/2	0.87	-	4.96	3.94	1.85	x	-	
915Z-A63-1/2-5.91	A63	1/2	0.87	-	6.93	5.91	1.85	x	-	
915Z-A63-1/2-7.87	A63	1/2	0.87	-	8.90	7.87	1.85	x	-	

Shrink fit chuck HSK-A63, extra slim execution 3°

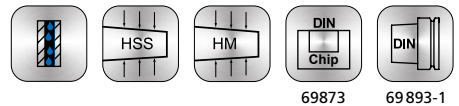
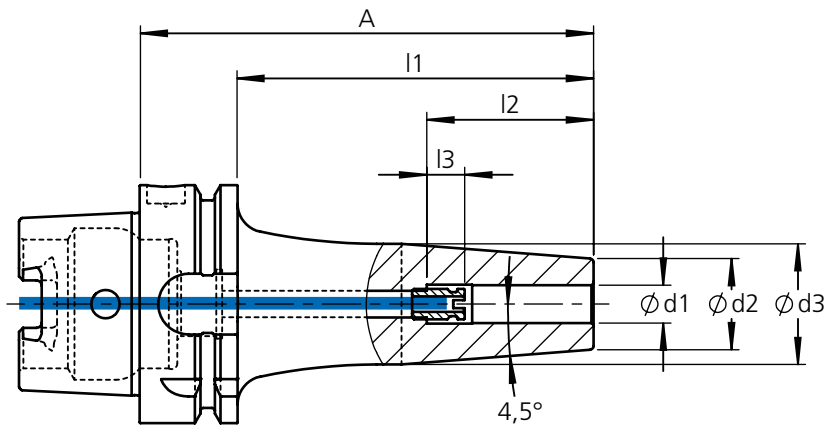
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Shrink fit chuck HSK-A63, standard execution 4,5°, incl. length adjusting screw

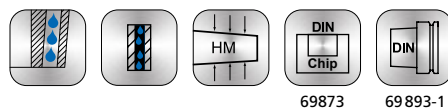
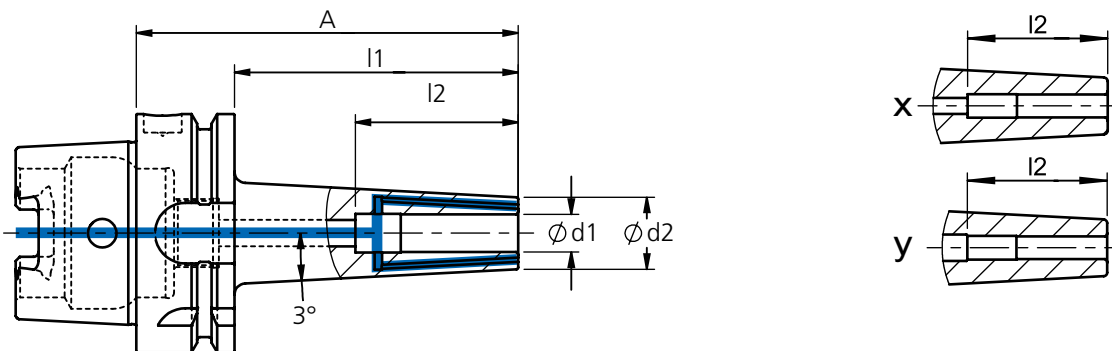


order number	HSK	Ø d1	Ø d2	Ø d3	A	l1	l2	l3		
985Z-A63-1/8-A3.15	A63	1/8	0.43	0.59	3.15	2.13	0.47	-	-	G2.5/25.000 or U<1gmm
985Z-A63-1/8-A4.72	A63	1/8	0.43	0.59	4.72	3.70	0.47	-	-	
985Z-A63-3/16-A3.15	A63	3/16	0.55	0.87	3.15	2.13	0.63	-	-	
985Z-A63-3/16-A4.72	A63	3/16	0.55	0.87	4.72	3.70	0.63	-	-	
985Z-A63-1/4-A3.15	A63	1/4	0.83	1.06	3.15	2.13	1.42	0.39	948-001	
985Z-A63-1/4-A4.72	A63	1/4	0.83	1.06	4.72	3.70	1.42	0.39	948-001	
985Z-A63-1/4-A5.12	A63	1/4	0.83	1.06	5.12	4.09	1.42	0.39	948-001	
985Z-A63-1/4-A6.30	A63	1/4	0.83	1.06	6.30	5.28	1.42	0.39	948-001	
985Z-A63-5/16-A3.15	A63	5/16	0.83	1.06	3.15	2.13	1.42	0.39	948-002	
985Z-A63-5/16-A4.72	A63	5/16	0.83	1.06	4.72	3.70	1.42	0.39	948-002	
985Z-A63-5/16-A5.12	A63	5/16	0.83	1.06	5.12	4.09	1.42	0.39	948-002	
985Z-A63-5/16-A6.30	A63	5/16	0.83	1.06	6.30	5.28	1.42	0.39	948-002	
985Z-A63-3/8-A3.35	A63	3/8	0.94	1.26	3.35	2.32	1.65	0.39	948-003	
985Z-A63-3/8-A4.72	A63	3/8	0.94	1.26	4.72	3.70	1.65	0.39	948-003	
985Z-A63-3/8-A5.12	A63	3/8	0.94	1.26	5.12	4.09	1.65	0.39	948-003	
985Z-A63-3/8-A6.30	A63	3/8	0.94	1.26	6.30	5.28	1.65	0.39	948-003	
985Z-A63-1/2-A3.54	A63	1/2	0.94	1.26	3.54	2.52	1.85	0.39	948-004	
985Z-A63-1/2-A4.72	A63	1/2	0.94	1.26	4.72	3.70	1.85	0.39	948-004	
985Z-A63-1/2-A5.12	A63	1/2	0.94	1.26	5.12	4.09	1.85	0.39	948-004	
985Z-A63-1/2-A6.30	A63	1/2	0.94	1.26	6.30	5.28	1.85	0.39	948-004	
985Z-A63-5/8-A3.74	A63	5/8	1.06	1.34	3.74	2.72	1.97	0.39	948-005	
985Z-A63-5/8-A4.72	A63	5/8	1.06	1.34	4.72	3.70	1.97	0.39	948-005	
985Z-A63-5/8-A5.12	A63	5/8	1.06	1.34	5.12	4.09	1.97	0.39	948-005	
985Z-A63-5/8-A6.30	A63	5/8	1.06	1.34	6.30	5.28	1.97	0.39	948-005	
985Z-A63-3/4-A3.94	A63	3/4	1.30	1.65	3.94	2.91	2.05	0.39	948-006	
985Z-A63-3/4-A4.72	A63	3/4	1.30	1.65	4.72	3.70	2.05	0.39	948-006	
985Z-A63-3/4-A5.12	A63	3/4	1.30	1.65	5.12	4.09	2.05	0.39	948-006	
985Z-A63-3/4-A6.30	A63	3/4	1.30	1.65	6.30	5.28	2.05	0.39	948-006	
985Z-A63-1-A4.53	A63	1	1.73	2.05	4.53	3.50	2.28	0.39	948-006	
985Z-A63-1-A6.30	A63	1	1.73	2.05	6.30	5.28	2.28	0.39	948-006	
985Z-A63-1-A7.87	A63	1	1.73	2.05	7.87	6.85	2.28	0.39	948-006	
985Z-A63-1 1/4-A4.72	A63	1 1/4	1.73	2.05	4.72	3.70	2.44	0.39	948-006	
985Z-A63-1 1/4-A6.30	A63	1 1/4	1.73	2.05	6.30	5.28	2.44	0.39	948-006	

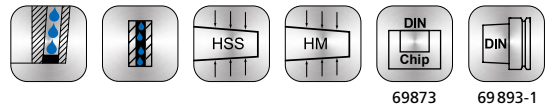
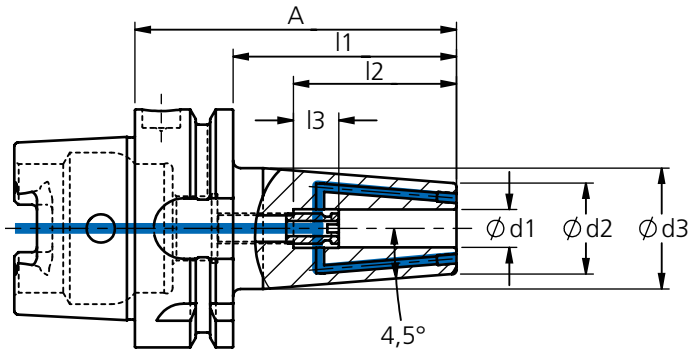
Shrink fit chuck HSK-A63, standard execution 4,5°, incl. length adjusting screw
Tapered extension with large radius design for enhanced rigidity

[illegible]

Shrink fit chuck HSK-A63, slim execution 3° with 3 cooling jets Ø 0,05 inch

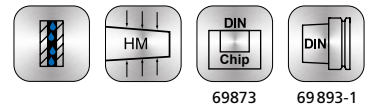
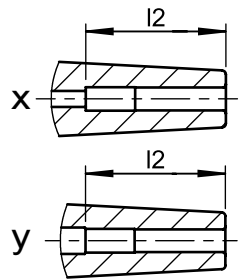
[illegible]

Shrink fit chuck HSK-A63 execution 4,5° with closeable cooling jets, including length adjusting screw

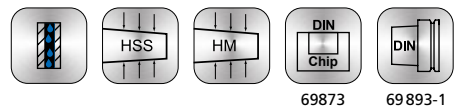
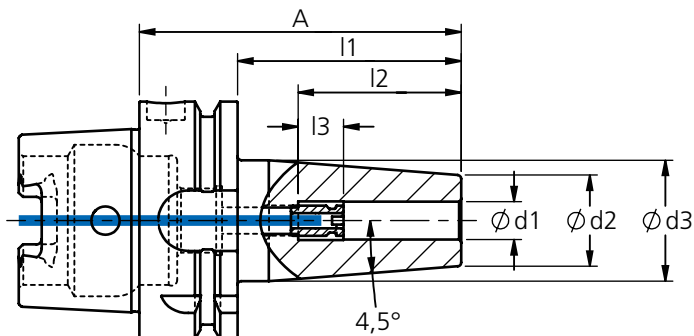
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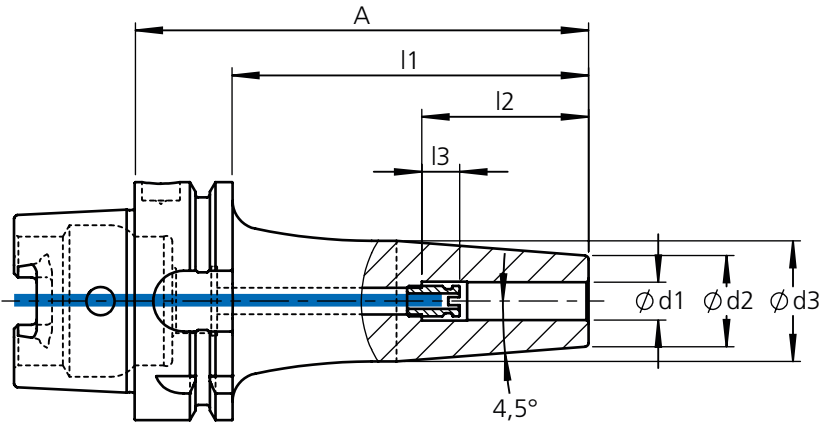
Shrink fit chuck HSK-A100, slim execution 3°

[illegible]

Shrink fit chuck HSK-A100, standard execution 4,5°, incl. length adjusting screw

[illegible]

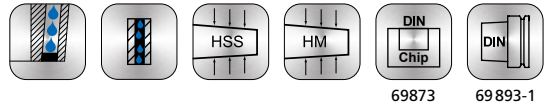
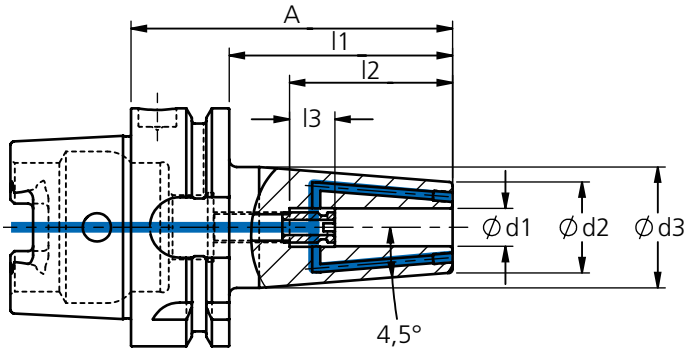
Shrink fit chuck HSK-A100, standard execution 4,5°, incl. length adjusting screw
Tapered extension with large radius design for enhanced rigidity



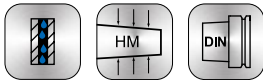
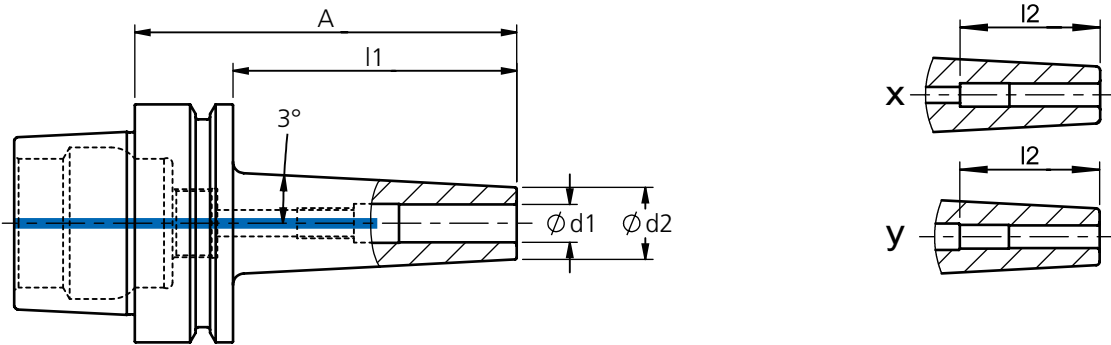
order number	HSK	Ø d1	Ø d2	Ø d3	A	l1	l2	l3		
984Z-A100-1/4-A5.12	A100	1/4	0.83	1.06	5.12	3.98	1.42	0.39	948-001	G2.5/15.000
984Z-A100-1/4-A6.30	A100	1/4	0.83	1.06	6.30	5.16	1.42	0.39	948-001	
984Z-A100-1/4-A7.87	A100	1/4	0.83	1.06	7.87	6.73	1.42	0.39	948-001	
984Z-A100-1/4-A9.84	A100	1/4	0.83	1.06	9.84	8.70	1.42	0.39	948-001	
984Z-A100-5/16-A5.12	A100	5/16	0.83	1.06	5.12	3.98	1.42	0.39	948-002	
984Z-A100-5/16-A6.30	A100	5/16	0.83	1.06	6.30	5.16	1.42	0.39	948-002	
984Z-A100-5/16-A7.87	A100	5/16	0.83	1.06	7.87	6.73	1.42	0.39	948-002	
984Z-A100-5/16-A9.84	A100	5/16	0.83	1.06	9.84	8.70	1.42	0.39	948-002	
984Z-A100-3/8-A5.12	A100	3/8	0.94	1.26	5.12	3.98	1.65	0.39	948-003	
984Z-A100-3/8-A6.30	A100	3/8	0.94	1.26	6.30	5.16	1.65	0.39	948-003	
984Z-A100-3/8-A7.87	A100	3/8	0.94	1.26	7.87	6.73	1.65	0.39	948-003	
984Z-A100-3/8-A9.84	A100	3/8	0.94	1.26	9.84	8.70	1.65	0.39	948-003	
984Z-A100-1/2-A5.12	A100	1/2	0.94	1.26	5.12	3.98	1.85	0.39	948-004	
984Z-A100-1/2-A6.30	A100	1/2	0.94	1.26	6.30	5.16	1.85	0.39	948-004	
984Z-A100-1/2-A7.87	A100	1/2	0.94	1.26	7.87	6.73	1.85	0.39	948-004	
984Z-A100-1/2-A9.84	A100	1/2	0.94	1.26	9.84	8.70	1.85	0.39	948-004	
984Z-A100-5/8-A5.12	A100	5/8	1.06	1.34	5.12	3.98	1.97	0.39	948-005	
984Z-A100-5/8-A6.30	A100	5/8	1.06	1.34	6.30	5.16	1.97	0.39	948-005	
984Z-A100-5/8-A7.87	A100	5/8	1.06	1.34	7.87	6.73	1.97	0.39	948-005	
984Z-A100-5/8-A9.84	A100	5/8	1.06	1.34	9.84	8.70	1.97	0.39	948-005	
984Z-A100-3/4-A5.12	A100	3/4	1.30	1.65	5.12	3.98	2.05	0.39	948-006	
984Z-A100-3/4-A6.30	A100	3/4	1.30	1.65	6.30	5.16	2.05	0.39	948-006	
984Z-A100-3/4-A7.87	A100	3/4	1.30	1.65	7.87	6.73	2.05	0.39	948-006	
984Z-A100-3/4-A9.84	A100	3/4	1.30	1.65	9.84	8.70	2.05	0.39	948-006	
984Z-A100-1-A5.12	A100	1	1.73	2.05	5.12	3.98	2.28	0.39	948-006	
984Z-A100-1-A6.30	A100	1	1.73	2.05	6.30	5.16	2.28	0.39	948-006	
984Z-A100-1-A7.87	A100	1	1.73	2.05	7.87	6.73	2.28	0.39	948-006	



Shrink fit chuck HSK-A100 execution 4,5° with closeable cooling jets, including length adjusting screw

[illegible]

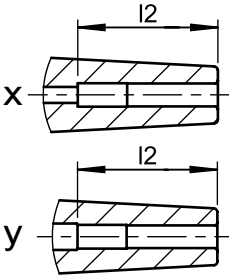
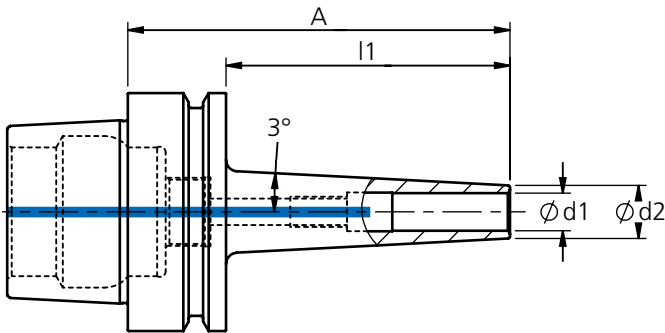
Shrink fit chuck HSK-E40, slim execution 3°



69893-5

order number	HSK	Ø d1	Ø d2	Ø d3	A	l1	l2	x	y	
915Z-E40-1/8-1.97	E40	1/8	0.43	-	2.76	1.97	0.47	-	x	 U<1gmm
915Z-E40-1/8-2.95	E40	1/8	0.43	-	3.74	2.95	0.47	-	x	
915Z-E40-3/16-1.97	E40	3/16	0.51	-	2.76	1.97	0.63	-	x	
915Z-E40-3/16-2.95	E40	3/16	0.51	-	3.74	2.95	0.63	-	x	
915Z-E40-1/4-1.97	E40	1/4	0.59	-	2.76	1.97	1.42	x	-	
915Z-E40-1/4-2.95	E40	1/4	0.59	-	3.74	2.95	1.42	x	-	
915Z-E40-5/16-1.97	E40	5/16	0.67	-	2.76	1.97	1.42	x	-	
915Z-E40-5/16-2.95	E40	5/16	0.67	-	3.74	2.95	1.42	x	-	
915Z-E40-3/8-1.97	E40	3/8	0.75	-	2.76	1.97	1.65	x	-	
915Z-E40-3/8-2.95	E40	3/8	0.75	-	3.74	2.95	1.65	x	-	

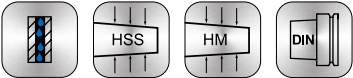
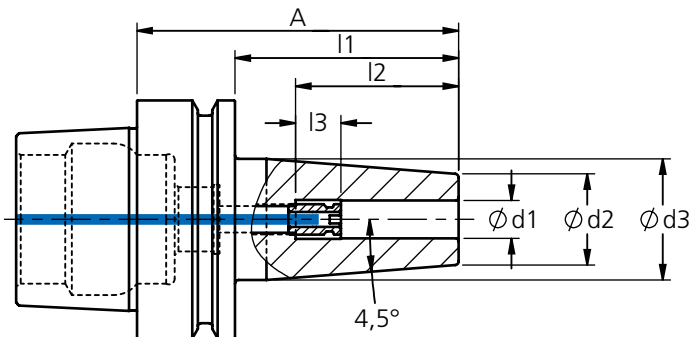
Shrink fit chuck HSK-E40, extra slim execution 3°



69893-5

order number	HSK	Ø d1	Ø d2	Ø d3	A	l1	l2	x	y	
925Z-E40-1/8-1.97	E40	1/8	0.28	-	2.76	1.97	0.47	-	x	U<1gmm
925Z-E40-1/8-2.95	E40	1/8	0.28	-	3.74	2.95	0.47	-	x	
925Z-E40-3/16-1.97	E40	3/16	0.35	-	2.76	1.97	0.63	-	x	
925Z-E40-3/16-2.95	E40	3/16	0.35	-	3.74	2.95	0.63	-	x	
925Z-E40-1/4-1.97	E40	1/4	0.39	-	2.76	1.97	1.42	x	-	
925Z-E40-1/4-2.95	E40	1/4	0.39	-	3.74	2.95	1.42	x	-	
925Z-E40-5/16-1.97	E40	5/16	0.47	-	2.76	1.97	1.42	x	-	
925Z-E40-5/16-2.95	E40	5/16	0.47	-	3.74	2.95	1.42	x	-	

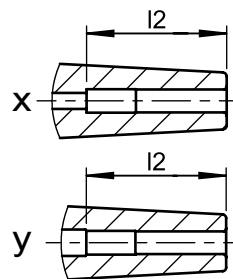
Shrink fit chuck HSK-E40, standard execution 4,5°, incl. length adjusting screw



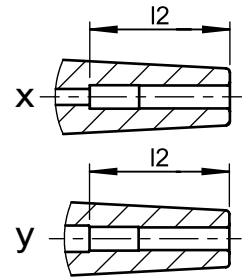
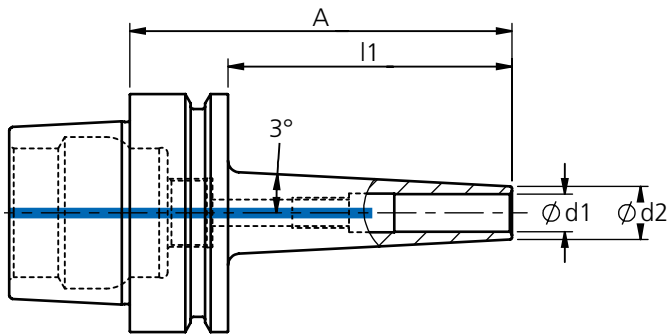
69 893-5

order number	HSK	Ø d1	Ø d2	Ø d3	A	l1	l2	l3		
985Z-E40-1/8-A2.36	E40	1/8	0.43	0.59	2.36	1.57	0.47	-	-	U<1gmm
985Z-E40-3/16-A2.76	E40	3/16	0.55	0.87	2.76	1.97	0.63	-	-	
985Z-E40-1/4-A3.15	E40	1/4	0.83	1.06	3.15	2.36	1.42	0.39	948-001	
985Z-E40-5/16-A3.15	E40	5/16	0.83	1.06	3.15	2.36	1.42	0.39	948-002	
985Z-E40-3/8-A3.15	E40	3/8	0.94	1.26	3.15	2.36	1.65	0.39	948-003	
985Z-E40-1/2-A3.54	E40	1/2	0.94	1.26	3.54	2.76	1.85	0.39	948-004	
985Z-E40-5/8-A3.54	E40	5/8	1.06	1.34	3.54	2.76	1.97	0.39	948-005	

Shrink fit chuck HSK-E50, slim execution 3°

[illegible]

Shrink fit chuck HSK-E50, extra slim execution 3°

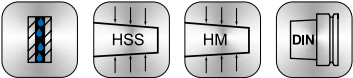
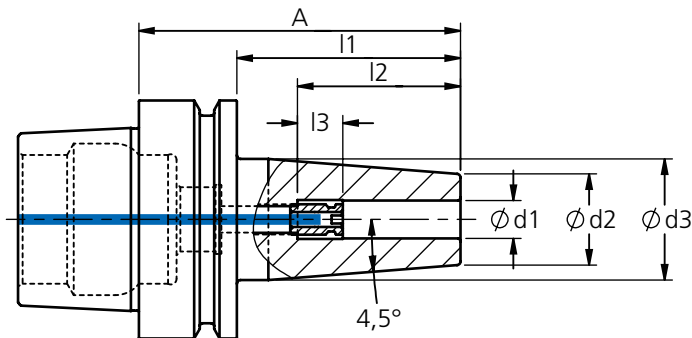


69 893-5

[illegible]



Shrink fit chuck HSK-E50, standard execution 4,5°, incl. length adjusting screw

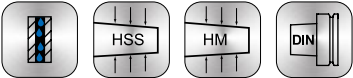
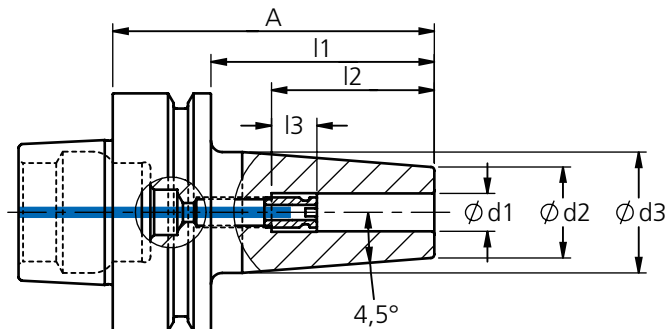


69 893-5

order number	HSK	Ø d1	Ø d2	Ø d3	A	l1	l2	l3		
985Z-E50-1/8-A3.15	E50	1/8	0.43	0.59	3.15	2.13	0.47	-	-	G2.5/25.000 or U<1gmm
985Z-E50-3/16-A3.15	E50	3/16	0.55	0.87	3.15	2.13	0.63	-	-	
985Z-E50-1/4-A3.15	E50	1/4	0.83	1.06	3.15	2.13	1.42	0.39	948-001	
985Z-E50-5/16-A3.15	E50	5/16	0.83	1.06	3.15	2.13	1.42	0.39	948-002	
985Z-E50-3/8-A3.35	E50	3/8	0.94	1.26	3.35	2.32	1.65	0.39	948-003	
985Z-E50-1/2-A3.54	E50	1/2	0.94	1.26	3.54	2.52	1.85	0.39	948-004	
985Z-E50-5/8-A3.74	E50	5/8	1.06	1.34	3.74	2.72	1.97	0.39	948-005	



Shrink fit chuck HSK-F63, standard execution 4,5°, incl. length adjusting screw



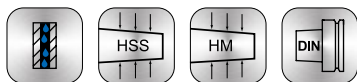
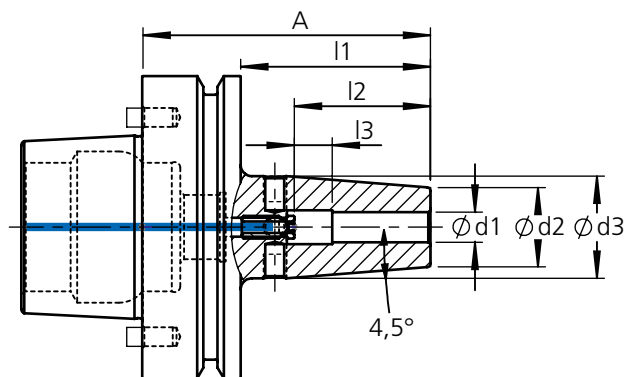
69 893-6

order number	HSK	Ø d1	Ø d2	Ø d3	A	l1	l2	l3		
985Z-F63-1/8-A3.15	F63	1/8	0.43	0.59	3.15	2.13	0.47	-	-	G2.5/25.000 or U<1gmm
985Z-F63-3/16-A3.15	F63	3/16	0.55	0.87	3.15	2.13	0.63	-	-	
985Z-F63-1/4-A3.15	F63	1/4	0.83	1.06	3.15	2.13	1.42	0.39	948-001	
985Z-F63-5/16-A3.15	F63	5/16	0.83	1.06	3.15	2.13	1.42	0.39	948-002	
985Z-F63-3/8-A3.35	F63	3/8	0.94	1.26	3.35	2.32	1.65	0.39	948-003	
985Z-F63-1/2-A3.54	F63	1/2	0.94	1.26	3.54	2.52	1.85	0.39	948-004	
985Z-F63-5/8-A3.74	F63	5/8	1.06	1.34	3.74	2.72	1.97	0.39	948-005	
985Z-F63-3/4-A3.94	F63	3/4	1.30	1.65	3.94	2.91	2.05	0.39	948-006	
985Z-F63-1-A4.53	F63	1	1.73	2.05	4.53	3.50	2.28	0.39	948-006	

**Shrink fit chuck HSK-F80 Makino with thread for coolant tube, standard execution 4,5°
M6 bores for balancing screws, 2-pin Makino version**

METRIC

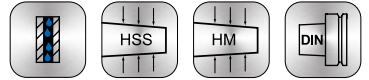
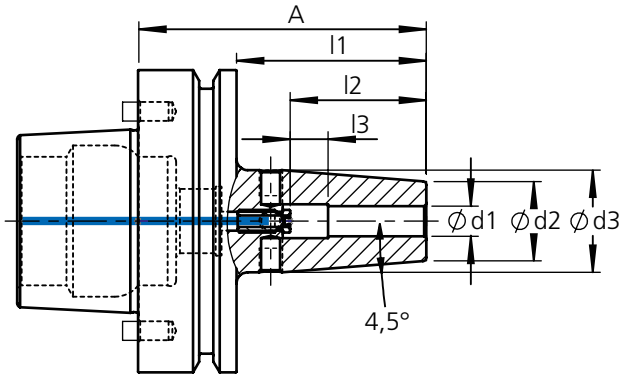
All dimensions metric



~69893-6

[illegible]

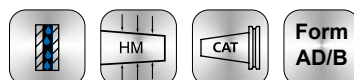
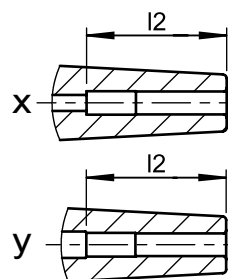
**Shrink fit chuck HSK-F80 Makino with thread for coolant tube, standard execution 4,5°
M6 bores for balancing screws, 2-pin Makino version**



~69 893-6

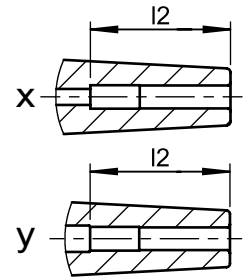
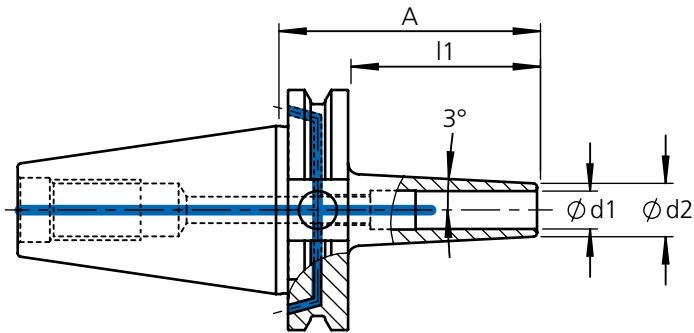
[illegible]

Shrink fit chuck CAT40 AD/B, slim execution 3°

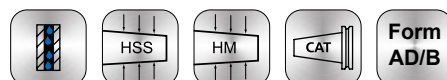
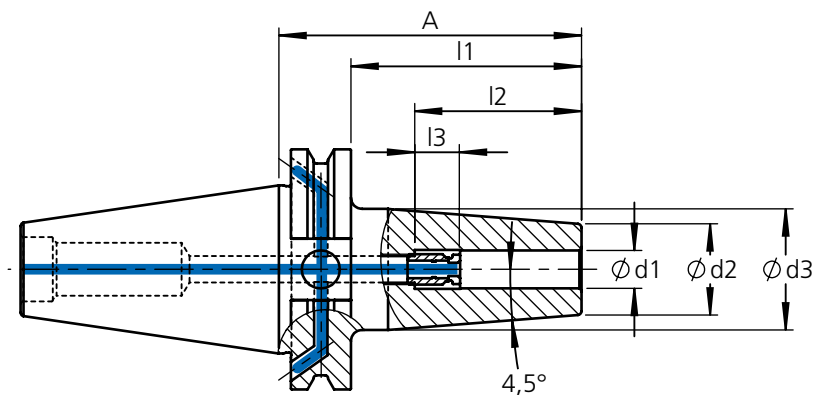


30 rineck

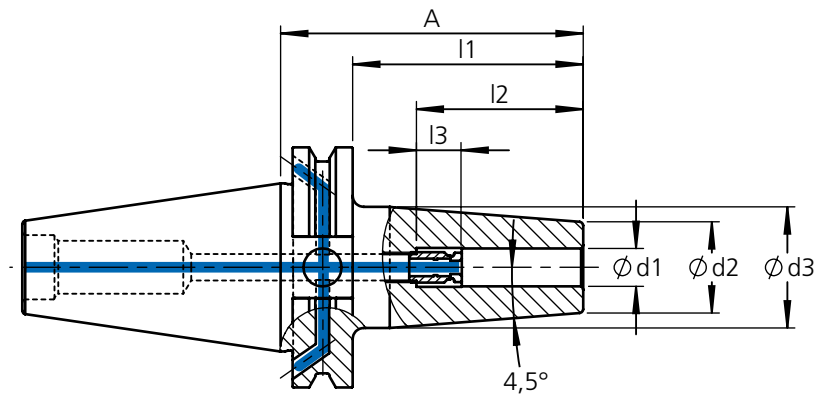
Shrink fit chuck CAT40 AD/B, extra slim execution 3°

[illegible]

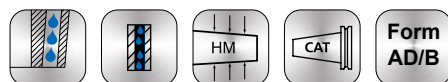
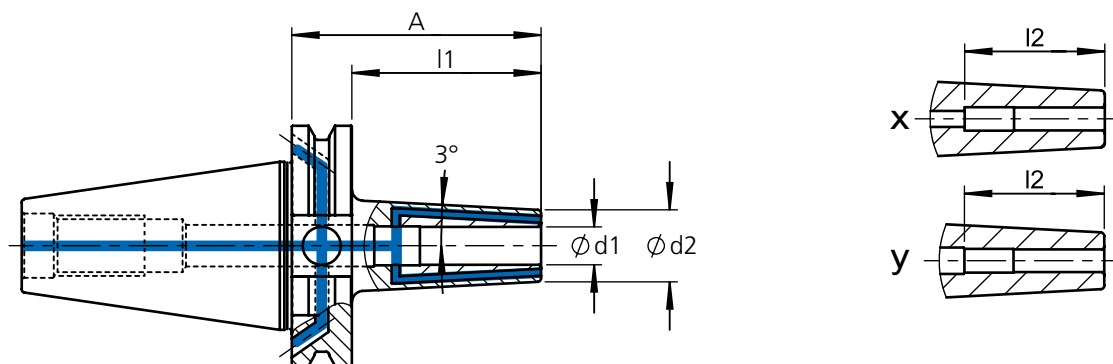
Shrink fit chuck CAT40 AD/B, standard execution 4,5°, incl. length adjusting screw

[illegible]

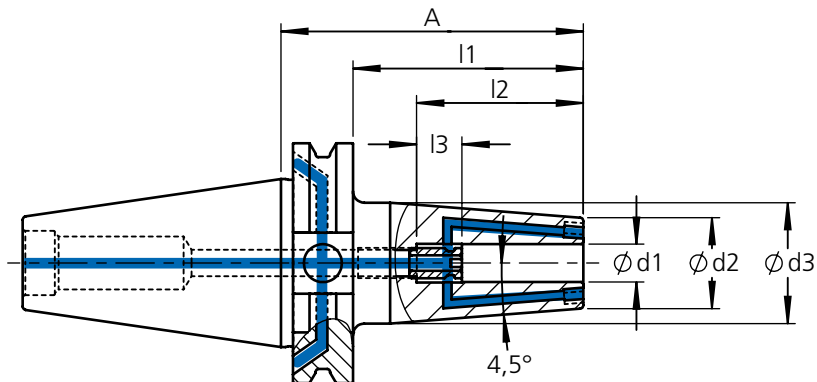
Shrink fit chuck CAT40 AD/B, standard execution 4,5°, incl. length adjusting screw

[illegible]

Shrink fit chuck CAT40 AD/B, slim execution 3° with 3 cooling jets Ø 0,05 inch

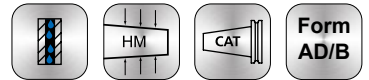
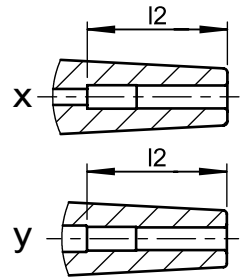
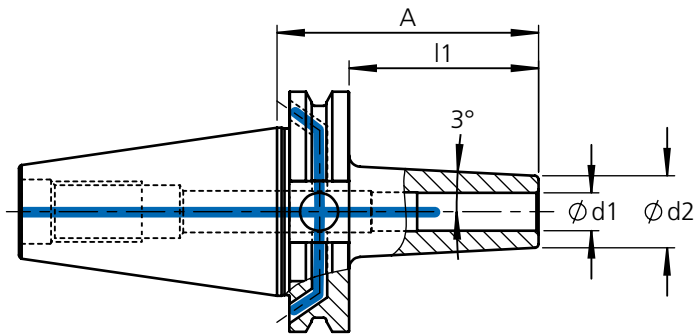
[illegible]

Shrink fit chuck CAT40 AD/B, standard execution 4,5° with closeable cooling jets, incl. length adjusting screw

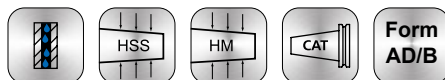
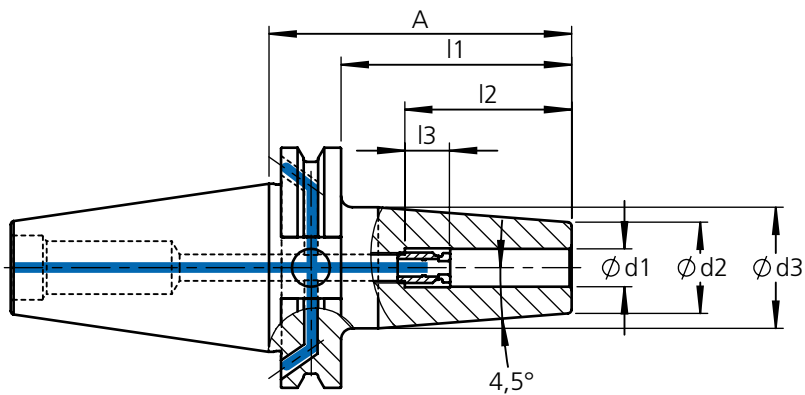
[illegible]



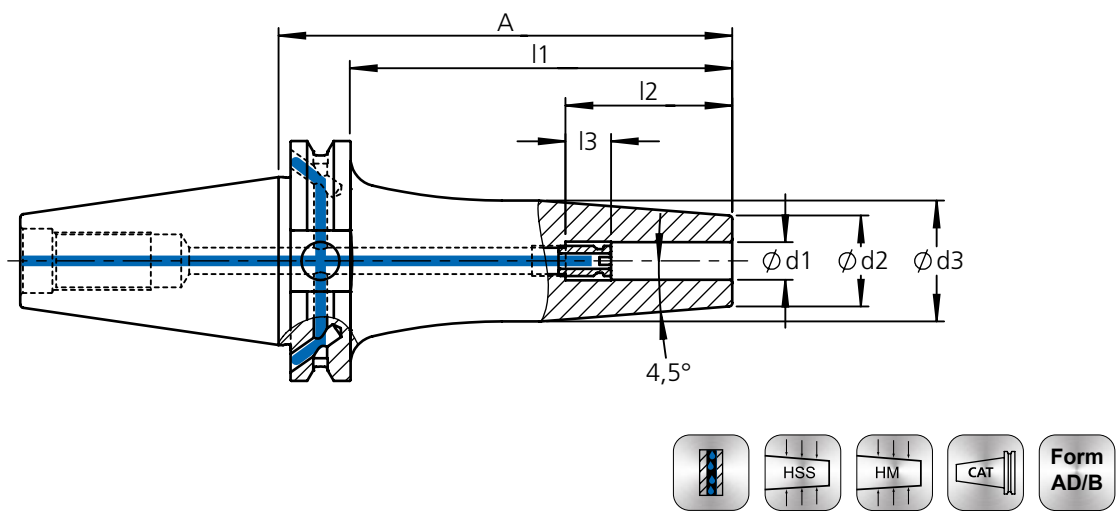
Shrink fit chuck CAT50 AD/B, slim execution 3°

[illegible]

Shrink fit chuck CAT50 AD/B, standard execution 4,5°, incl. length adjusting screw

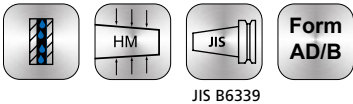
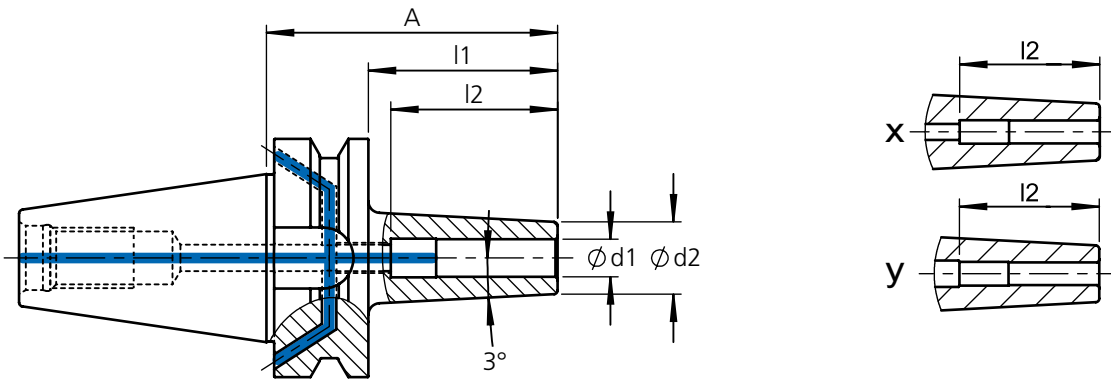
[illegible]

Shrink fit chuck CAT50 AD/B, standard execution 4,5°, incl. length adjusting screw
 Tapered extension with large radius design for enhanced rigidity



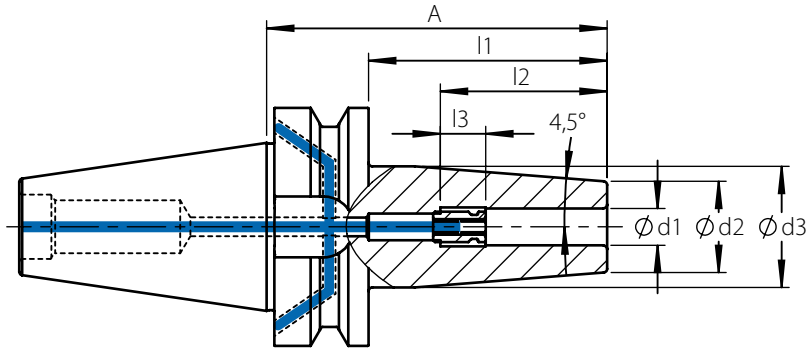
order number	CAT	Ø d1	Ø d2	Ø d3	A	l1	l2	l3		
984Z-CAT50-1/4-A5.12	50	1/4	0.83	1.06	5.12	4.37	1.42	0.39	948-001	
984Z-CAT50-1/4-A6.30	50	1/4	0.83	1.06	6.30	5.55	1.42	0.39	948-001	
984Z-CAT50-1/4-A7.87	50	1/4	0.83	1.06	7.87	7.12	1.42	0.39	948-001	
984Z-CAT50-5/16-A5.12	50	5/16	0.83	1.06	5.12	4.37	1.42	0.39	948-002	
984Z-CAT50-5/16-A6.30	50	5/16	0.83	1.06	6.30	5.55	1.42	0.39	948-002	
984Z-CAT50-5/16-A7.87	50	5/16	0.83	1.06	7.87	7.12	1.42	0.39	948-002	
984Z-CAT50-3/8-A5.12	50	3/8	0.94	1.26	5.12	4.37	1.65	0.39	948-003	
984Z-CAT50-3/8-A6.30	50	3/8	0.94	1.26	6.30	5.55	1.65	0.39	948-003	
984Z-CAT50-3/8-A7.87	50	3/8	0.94	1.26	7.87	7.12	1.65	0.39	948-003	
984Z-CAT50-7/16-A5.12	50	7/16	0.94	1.26	5.12	4.37	1.65	0.39	948-004	
984Z-CAT50-1/2-A5.12	50	1/2	0.94	1.26	5.12	4.37	1.85	0.39	948-004	
984Z-CAT50-1/2-A6.30	50	1/2	0.94	1.26	6.30	5.55	1.85	0.39	948-004	
985Z-CAT50-1/2-A7.87	50	1/2	0.94	1.26	7.87	7.12	1.85	0.39	948-004	
984Z-CAT50-5/8-A5.12	50	5/8	1.06	1.34	5.12	4.37	1.97	0.39	948-005	
984Z-CAT50-5/8-A6.30	50	5/8	1.06	1.34	6.30	5.55	1.97	0.39	948-005	
984Z-CAT50-5/8-A7.87	50	5/8	1.06	1.34	7.87	7.12	1.97	0.39	948-005	
984Z-CAT50-3/4-A5.12	50	3/4	1.30	1.65	5.12	4.37	2.05	0.39	948-006	
984Z-CAT50-3/4-A6.30	50	3/4	1.30	1.65	6.30	5.55	2.05	0.39	948-006	
984Z-CAT50-3/4-A7.87	50	3/4	1.30	1.65	7.87	7.12	2.05	0.39	948-006	
984Z-CAT50-1-A5.12	50	1	1.73	2.05	5.12	4.37	2.28	0.39	948-006	
984Z-CAT50-1-A6.30	50	1	1.73	2.05	6.30	5.55	2.28	0.39	948-006	
984Z-CAT50-1-A7.87	50	1	1.73	2.05	7.87	7.12	2.28	0.39	948-006	
984Z-CAT50-1 1/4-A5.12	50	1 1/4	1.73	2.05	5.12	4.37	2.44	0.39	948-006	
984Z-CAT50-1 1/4-A6.30	50	1 1/4	1.73	2.05	6.30	5.55	2.44	0.39	948-006	
984Z-CAT50-1 1/4-A7.87	50	1 1/4	1.73	2.05	7.87	7.12	2.44	0.39	948-006	

Shrink fit chuck BT40 JIS B 6339 AD/B, slim execution 3°



order number	BT	Ø d1	Ø d2	Ø d3	A	l1	l2	x	y	
945Z-BT40-1/8-2.95	40	1/8	0.43	-	4.02	2.95	0.47	-	x	G2.5/18.000
945Z-BT40-1/8-3.94	40	1/8	0.43	-	5.00	3.94	0.47	-	x	
945Z-BT40-3/16-2.95	40	3/16	0.51	-	4.02	2.95	0.63	-	x	
945Z-BT40-3/16-3.94	40	3/16	0.51	-	5.00	3.94	0.63	-	x	
945Z-BT40-1/4-2.95	40	1/4	0.59	-	4.02	2.95	1.42	-	x	
945Z-BT40-1/4-3.94	40	1/4	0.59	-	5.00	3.94	1.42	-	x	
945Z-BT40-1/4-5.91	40	1/4	0.59	-	6.97	5.91	1.42	x	-	
945Z-BT40-5/16-2.95	40	5/16	0.67	-	4.02	2.95	1.42	-	x	
945Z-BT40-5/16-3.94	40	5/16	0.67	-	5.00	3.94	1.42	-	x	
945Z-BT40-5/16-5.91	40	5/16	0.67	-	6.97	5.91	1.42	x	-	
945Z-BT40-3/8-2.95	40	3/8	0.75	-	4.02	2.95	1.65	-	x	
945Z-BT40-3/8-3.94	40	3/8	0.75	-	5.00	3.94	1.65	-	x	
945Z-BT40-3/8-5.91	40	3/8	0.75	-	6.97	5.91	1.65	x	-	
										G2.5/18.000

**Shrink fit chuck BT40 JIS B 6339 AD/B, standard execution 4,5°,
incl. length adjusting screw**

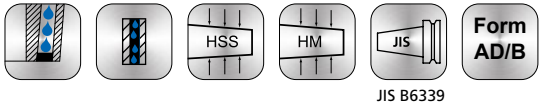
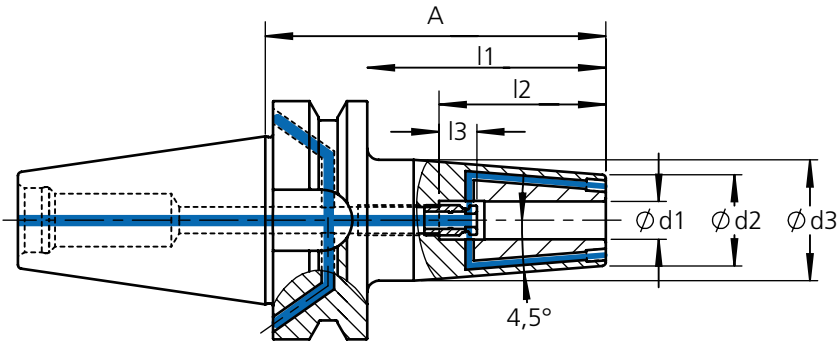


JIS B6339

order number	BT	Ø d1	Ø d2	Ø d3	A	I1	I2	I3		
985Z-BT40-1/8-A3.15	40	1/8	0.43	0.59	3.15	2.09	0.47	-	-	G2.5/18.000
985Z-BT40-3/16-A3.15	40	3/16	0.55	0.87	3.15	2.09	0.63	-	-	
985Z-BT40-1/4-A3.54	40	1/4	0.83	1.06	3.54	2.48	1.42	0.39	948-001	
985Z-BT40-1/4-A5.12	40	1/4	0.83	1.06	5.12	4.06	1.42	0.39	948-001	
985Z-BT40-5/16-A3.54	40	5/16	0.83	1.06	3.54	2.48	1.42	0.39	948-002	
985Z-BT40-5/16-A5.12	40	5/16	0.83	1.06	5.12	4.06	1.42	0.39	948-002	
985Z-BT40-3/8-A3.54	40	3/8	0.94	1.26	3.54	2.48	1.65	0.39	948-003	
985Z-BT40-3/8-A5.12	40	3/8	0.94	1.26	5.12	4.06	1.65	0.39	948-003	
985Z-BT40-1/2-A3.54	40	1/2	0.94	1.26	3.54	2.48	1.85	0.39	948-004	
985Z-BT40-1/2-A5.12	40	1/2	0.94	1.26	5.12	4.06	1.85	0.39	948-004	
985Z-BT40-5/8-A3.54	40	5/8	1.06	1.34	3.54	2.48	1.97	0.39	948-005	
985Z-BT40-5/8-A5.12	40	5/8	1.06	1.34	5.12	4.06	1.97	0.39	948-005	
985Z-BT40-3/4-A3.54	40	3/4	1.30	1.65	3.54	2.48	2.05	0.39	948-006	
985Z-BT40-3/4-A5.12	40	3/4	1.30	1.65	5.12	4.06	2.05	0.39	948-006	
985Z-BT40-1-A3.94	40	1	1.73	2.05	3.94	2.87	2.28	0.39	948-006	
985Z-BT40-1-A5.12	40	1	1.73	2.05	5.12	4.06	2.28	0.39	948-006	
985Z-BT40-1 1/4-A3.94	40	1 1/4	1.73	2.05	3.94	2.87	2.44	0.39	948-006	
985Z-BT40-1 1/4-A5.12	40	1 1/4	1.73	2.05	5.12	4.06	2.44	0.39	948-006	

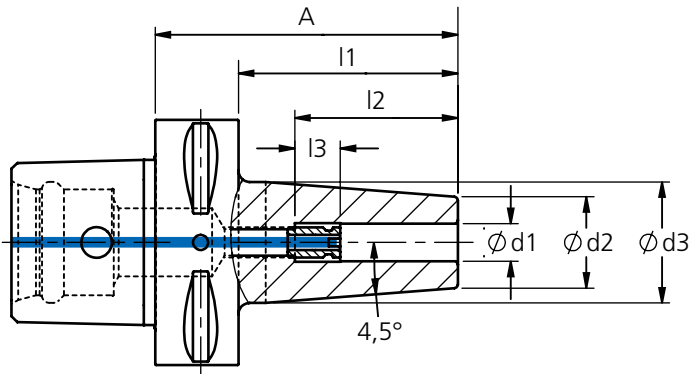


Shrink fit chuck BT40 JIS B 6339 AD/B, standard execution 4,5°, with closeable cooling jets, incl. length adjusting screw



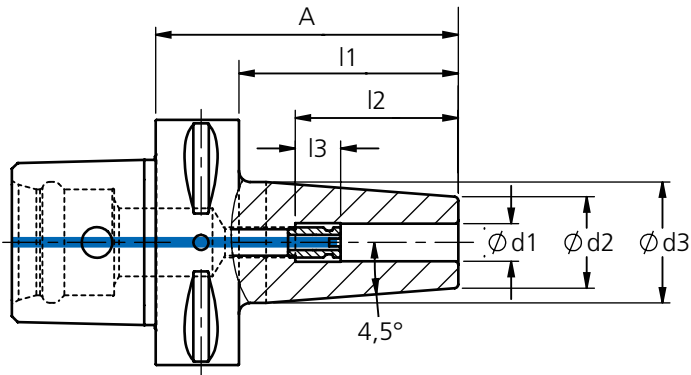
order number	BT	Ø d1	Ø d2	Ø d3	A	l1	l2	l3		
995Z-BT40-1/4-A3.54	40	1/4	0.83	1.06	3.54	2.48	1.42	0.39	948-001	G2.5/18.000
995Z-BT40-1/4-A5.12	40	1/4	0.83	1.06	5.12	4.06	1.42	0.39	948-001	
995Z-BT40-5/16-A3.54	40	5/16	0.83	1.06	3.54	2.48	1.42	0.39	948-002	
995Z-BT40-5/16-A5.12	40	5/16	0.83	1.06	5.12	4.06	1.42	0.39	948-002	
995Z-BT40-3/8-A3.54	40	3/8	0.94	1.26	3.54	2.48	1.65	0.39	948-003	
995Z-BT40-3/8-A5.12	40	3/8	0.94	1.26	5.12	4.06	1.65	0.39	948-003	
995Z-BT40-1/2-A3.54	40	1/2	0.94	1.26	3.54	2.48	1.85	0.39	948-004	
995Z-BT40-1/2-A5.12	40	1/2	0.94	1.26	5.12	4.06	1.85	0.39	948-004	
995Z-BT40-5/8-A3.54	40	5/8	1.06	1.34	3.54	2.48	1.97	0.39	948-005	
995Z-BT40-5/8-A5.12	40	5/8	1.06	1.34	5.12	4.06	1.97	0.39	948-005	
995Z-BT40-3/4-A3.54	40	3/4	1.30	1.65	3.54	2.48	2.05	0.39	948-006	
995Z-BT40-3/4-A5.12	40	3/4	1.30	1.65	5.12	4.06	2.05	0.39	948-006	

Shrink fit chuck PSC-50, standard execution 4,5°, incl. length adjusting screw

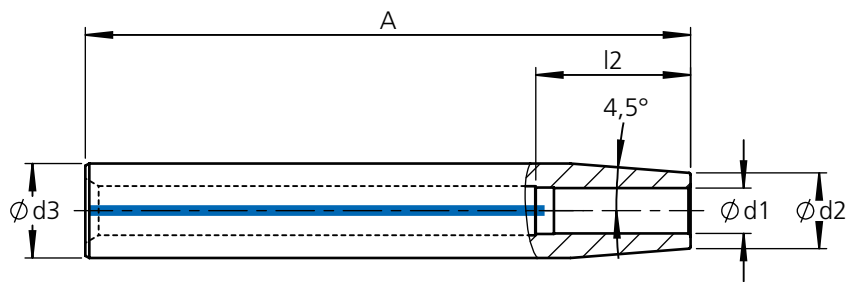


order number	PSC	Ø d1	Ø d2	Ø d3	A	l1	l2	l3		
985Z-PSC50-1/8-A2.95	50	1/8	0.43	0.59	2.95	2.17	0.47	-	-	G2.5/25.000 or U<1gmm
985Z-PSC50-3/16-A2.95	50	3/16	0.55	0.87	2.95	2.17	0.63	-	-	
985Z-PSC50-1/4-A2.95	50	1/4	0.83	1.06	2.95	2.17	1.42	0.39	948-001	
985Z-PSC50-5/16-A2.95	50	5/16	0.83	1.06	2.95	2.17	1.42	0.39	948-002	
985Z-PSC50-3/8-A2.95	50	3/8	0.94	1.26	2.95	2.17	1.65	0.39	948-003	
985Z-PSC50-1/2-A2.95	50	1/2	0.94	1.26	2.95	2.17	1.85	0.39	948-004	
985Z-PSC50-5/8-A3.15	50	5/8	1.06	1.34	3.15	2.36	1.97	0.39	948-005	
985Z-PSC50-3/4-A3.15	50	3/4	1.06	1.34	3.15	2.36	2.05	0.39	948-006	

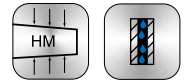
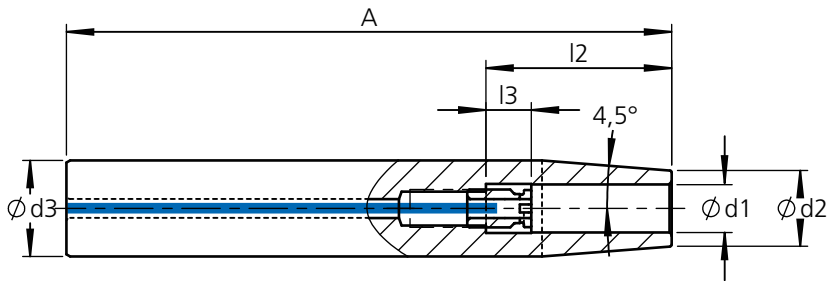
Shrink fit chuck PSC-63, standard execution 4,5°, incl. length adjusting screw

[illegible]

Cylindrical shrinking extensions without stop

[illegible]

Cylindrical shrinking extensions, incl. length adjusting screw

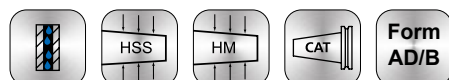
[illegible]

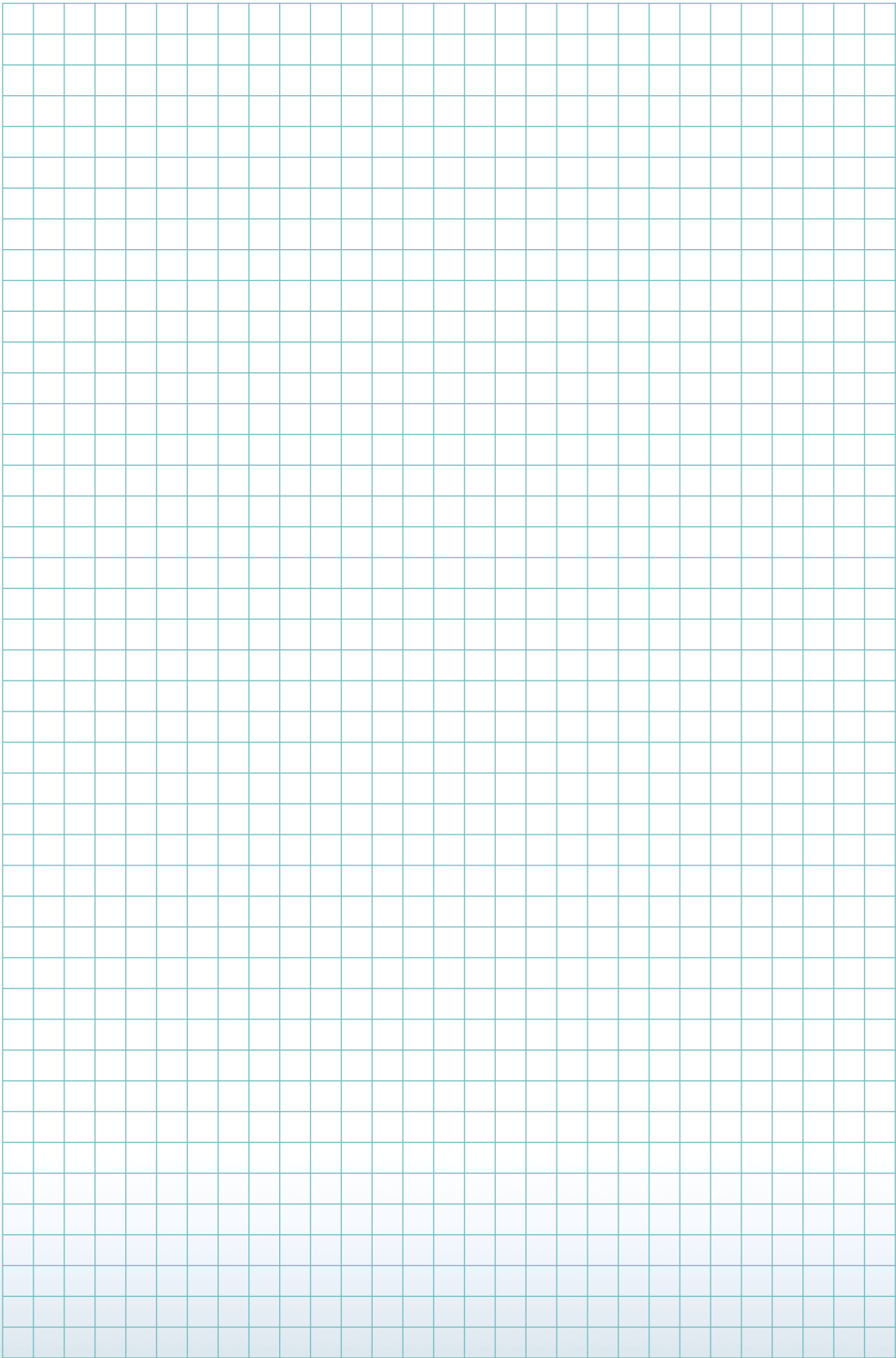
METRIC



order number	CAT	Ø d1	Ø d2	Ø d3	A	I1	I2	I3		
985 - CAT4006A80	40	6	21	27	80	60.9	36	10	948-001	G2.5/18.000
985 - CAT4006A120	40	6	21	27	120	100.9	36	10	948-001	
985 - CAT4006A130	40	6	21	27	130	110.9	36	10	948-001	
985 - CAT4008A80	40	8	21	27	80	60.9	36	10	948-002	
985 - CAT4008A120	40	8	21	27	120	100.9	36	10	948-002	
985 - CAT4008A130	40	8	21	27	130	110.9	36	10	948-002	
985 - CAT4010A80	40	10	24	32	80	60.9	41	10	948-003	
985 - CAT4010A120	40	10	24	32	120	100.9	41	10	948-003	
985 - CAT4010A130	40	10	24	32	130	110.9	41	10	948-003	
985 - CAT4012A80	40	12	24	32	80	60.9	47	10	948-004	
985 - CAT4012A120	40	12	24	32	120	100.9	47	10	948-004	
985 - CAT4012A130	40	12	24	32	130	110.9	47	10	948-004	
985 - CAT4016A80	40	16	27	34	80	60.9	50	10	948-005	
985 - CAT4016A120	40	16	27	34	120	100.9	50	10	948-005	
985 - CAT4016A130	40	16	27	34	130	110.9	50	10	948-005	
985 - CAT4020A80	40	20	33	42	80	60.9	52	10	948-006	
985 - CAT4020A120	40	20	33	42	120	100.9	52	10	948-006	
985 - CAT4020A130	40	20	33	42	130	110.9	52	10	948-006	
985 - CAT4025A100	40	25	44	53	100	80.9	58	10	948-006	
985 - CAT4025A130	40	25	44	53	130	110.9	58	10	948-006	
985 - CAT4032A100	40	32	44	53	100	80.9	62	10	948-006	

METRIC

[illegible]



PICTOGRAMS



With internal cooling



For clamping HSS-and steel shanks



For clamping carbide shanks



Polygonal taper interface ISO 26623-1



Polygonal taper interface ISO 26623-1



Shank ASME B5.50



Central coolant supply



Central coolant supply
and coolant through flange



69 893-1

Hollow taper shank DIN 69 893-1



69 893-5

Hollow taper shank DIN 69 893-5



69 893-6

Hollow taper shank DIN 69 893-6



JIS B6339

Shank JIS B 6339 (MAS-BT)



69873

Data Chip hole DIN 69873



Cooling jets closeable



Cooling jets not closeable

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