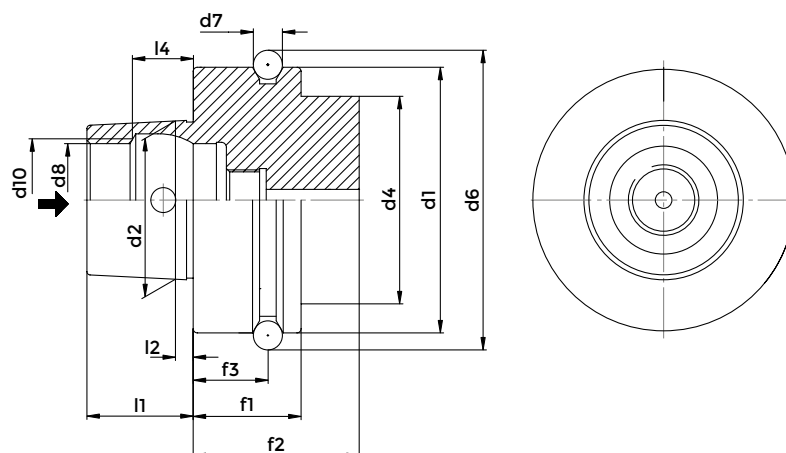




HSK F CHUCKS

DIN 69893-6

TAPER SHANKS DATA SHEET



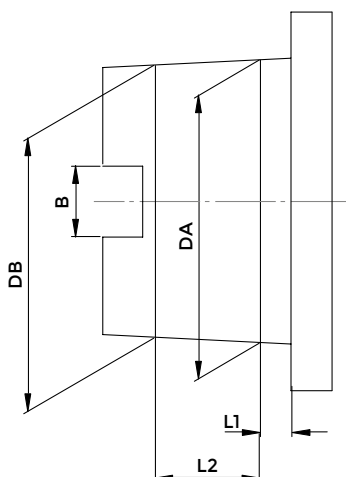
DIN 69893 F

	HSK 50	HSK 63
d1	50	63
d2	30	38
d4	42	53
d6	59,3	72,3
d7	7	7
d8	21	26
d10	23	29
f1	26	26
f2	42	42
f3	18	18
l1	20	25
l2	4	5
l4	11,42	14,13

FORM F

- Used for high frequency spindles and wood machining.
- With larger collar.
- Central coolant supply possible through coolant hose.

CONE TOLERANCE



DIN 69893 F

HSK	L1	L2	DA	DB	B (only type A+C)
32 A+C	3,2	7,3	24 +0.005 +0.007	23,27 +0.003 +0.005	7.05 +/- 0.04
40 A+C+E	4	9,5	30 +0.005 +0.007	29,05 +0.003 +0.005	8.05 +/- 0.04
40 B+D	3,2	7,3	24 +0.005 +0.007	23,27 +0.003 +0.005	-
50 A+C+E	5	11	38 +0.006 +0.009	36,9 +0.003 +0.006	10.54 +/- 0.04
50 B+D+F	4	9,5	30 +0.005 +0.007	29,05 +0.003 +0.005	-
63 A+C+E	6,3	14,7	48 +0.007 +0.011	46,53 +0.003 +0.007	12.54 +/- 0.04
63 B+D+F	5	11	38 +0.006 +0.009	36,9 +0.003 +0.006	-
100 A+C	10	24	75 +0.009 +0.015	72,6 +0.003 +0.009	20.02 +/- 0.04
100 B+D	8	19	60 +0.008 +0.013	58,1 +0.003 +0.008	-

TECHNICAL DATA KINTEK CHUCKS WITH ISO FITTING

All KINTEK toolholders are manufactured according to DIN norms. (these norms provide the same classes of tolerance for the attachment DIN69893 A+C, B+D, E, F)

COLLET CHUCK RUNOUT ACCURACY

The norm DIN 69882-6 permits a runout error of 0,005 mm. for DIN6499/ISO15488 collet chucks.

SHELL END MILL ADAPTOR RUNOUT ACCURACY

Our shell end mill adaptors meet the requirements of the norm DIN 69882-2, which prescribes for diameters Ø 16,22,27,32 a runout accuracy of 0,01

WELDON END MILL HOLDER RUNOUT ACCURACY

According to norm DIN 69882-4 Weldon end mill holders have to meet the following:

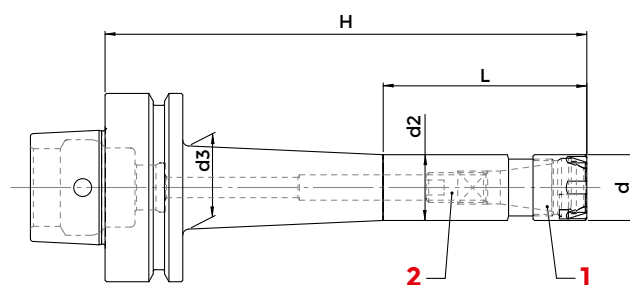
BORE: H5

RUNOUT ACCURACY: 0.005.

CONSTRUCTIVE FEATURES

- Manufactured with Casehardening Steel.
- Casehardened with depth 0,4 - 0,5 mm
- Hardened-Tempered
- Hardness HRC 58+-2, Strength 800-1000 N/mm²
- Black oxidized
- Thread of collet nuts, internal and external diameters are completely grinding finished
- Tested 100% with certified measuring instruments

ER MINI COLLET CHUCKS - HIGH SPEED LINE



DIN 69893F - DIN 6499/ISO 15488

HIGH SPEED LINE

											1	2	
COD.	DESCRIPTION	HSK	H	D	d	ER	L	d2	d3	G2.5 30000	NUT	SCREW	WRENCH
													
6756	HSK50FH80ER16M	50	80	0,5÷10	22	16M	-	21,5	-	•	5694	811-303119	5719
6759	HSK63FH100ER16M	63	100	0,5÷10	22	16M	47	21,5	26	•	5694	811-303119	5719
6856	HSK63FH100ER20M	63	100	1÷15	28	20M	-	27	-	•	5695	0200	5720
6858	HSK63FH100ER25M	63	100	1÷16	35	25M	-	33	-	•	5696	811-303121	5721
6761	HSK63FH160ER25M	63	160	1÷16	35	25M	68	35	46	•	5696	811-303121	5721
6760	HSK63FH160ER16M	63	160	0,5÷10	22	16M	57	20	28	•	5694	811-303119	5719

ACCESSORIES

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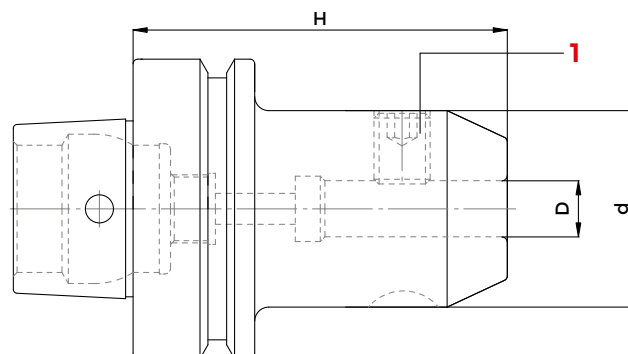
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END MILL HOLDERS WELDON - HIGH SPEED LINE

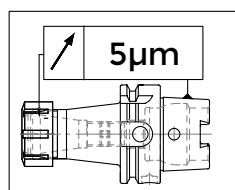


DIN 69893F - DIN 1835/B

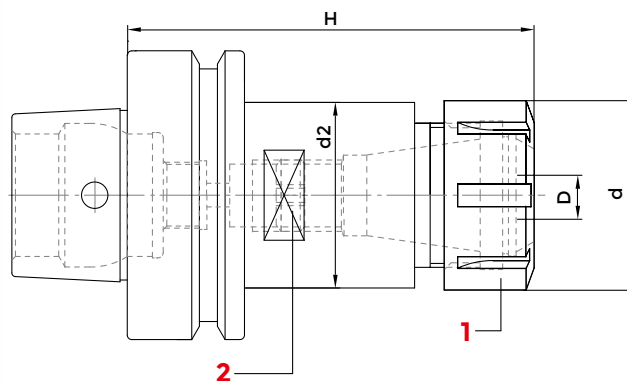
HIGH SPEED LINE

COD.	DESCRIPTION	HSK	H	D	d	G2.5 30000	1 SCREW
6079	HSK50FH70WE10	50	70	10	40	•	4972
6080	HSK50FH80WE12	50	80	12	48	•	4973
6083	HSK63FH65WE06	63	65	6	25	•	4970
6084	HSK63FH65WE08	63	65	8	28	•	4971
6085	HSK63FH65WE10	63	65	10	35	•	4972
6086	HSK63FH80WE12	63	80	12	42	•	4973
6087	HSK63FH80WE16	63	80	16	48	•	4974
6088	HSK63FH85WE20	63	85	20	52	•	4975
6089	HSK63FH110WE25	63	110	25	65	•	4976
6839	HSK63FH110WE32	63	110	32	72	•	4977

ER COLLET CHUCKS - HIGH SPEED LINE



H= 0 > 100 mm - 5 µm
 H= 100 > 200 mm - 10 µm



DIN 69893 F - DIN 6499/ISO 15488

HIGH SPEED LINE

											1	2	
COD.	DESCRIPTION	HSK	H	D	d	ER	L	d2	d3	G2.5 30000	NUT	SCREW	WRENCH
													
6762	HSK50FH80ER25	50	80	1÷16	42	25	-	32	-	•	4995	811-303121	3669
6602	HSK50FH73ER32	50	73	2÷20	50	32	-	40	-	•	4996	0191	3670
6763	HSK50FH100ER32	50	100	2÷20	50	32	-	40	-	•	4996	0191	3670
6793	HSK63FH120ER16	63	120	1÷12	32	16	-	28	-	•	4993	0186	3698
6794	HSK63FH160ER16	63	160	1÷12	32	16	-	28	-	•	4993	0186	3698
6795	HSK63FH100ER20	63	100	1÷15	35	20	-	34	-	•	4994	0188	3699
6796	HSK63FH120ER20	63	120	1÷15	35	20	-	34	-	•	4994	0188	3699
6797	HSK63FH160ER20	63	160	1÷15	35	20	-	34	-	•	4994	0188	3699
6604	HSK63FH73ER25	63	73	1÷16	42	25	-	41,5	-	•	4995	811-303121	3669
6765	HSK63FH100ER25	63	100	1÷16	42	25	-	41,5	-	•	4995	811-303121	3669
6798	HSK63FH120ER25	63	120	1÷16	42	25	-	41,5	-	•	4995	811-303121	3669
6799	HSK63FH160ER25	63	160	1÷16	42	25	-	41,5	-	•	4995	811-303121	3669
6606	HSK63FH73ER32	63	73	2÷20	50	32	-	49,5	-	•	4996	0191	3670
6766	HSK63FH100ER32	63	100	2÷20	50	32	-	49,5	-	•	4996	0191	3670
6809	HSK63FH120ER32	63	160	0,5÷10	22	32	57	21,5	35	•	5694	811-303119	5719
6767	HSK63FH160ER32	63	160	2÷20	50	32	-	49,5	-	•	4996	0191	3670
6768	HSK63FH80ER40	63	80	3÷30	63	40	-	50	-	•	4997	-	3671
6769	HSK63FH120ER40	63	120	3÷30	63	40	-	50	-	•	4997	-	3671
6810	HSK63FH160ER40	63	160	3÷30	63	40	-	50	-	•	4997	-	3671

ACCESSORIES

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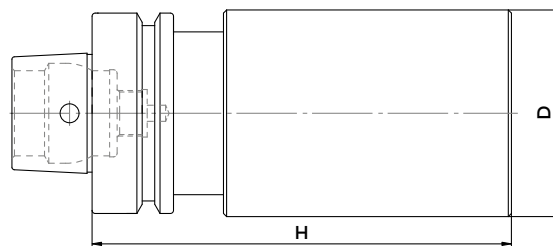
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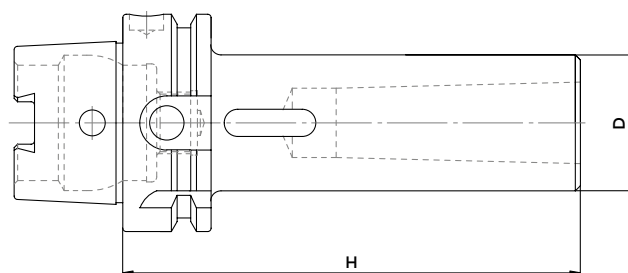
BLANK TOOLHOLDERS WITH SOFT SHANK



DIN 69893 F

COD.	DESCRIPTION	HSK	H	d
6787	HSK63FH200D63SM	63	200	63

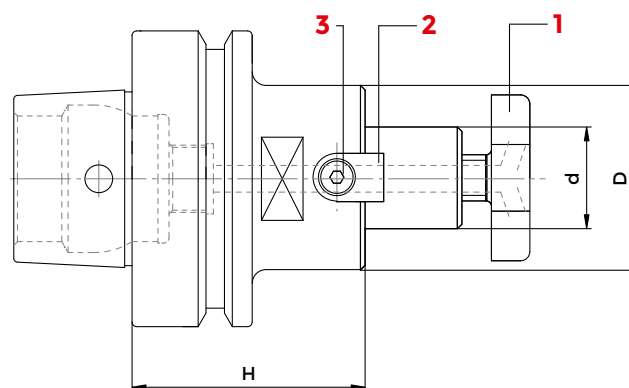
MORSE TAPER MILL ADAPTERS WITH INTERNAL COOLANT



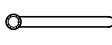
DIN 69893 F - ISO 3937

COD.	DESCRIPTION	HSK	CM	d	H
6294	HSK63FH120CM2P	63	2	32	120
6295	HSK63FH140CM3P	63	3	40	140
6296	HSK63FH165CM4P	63	4	48	165

FACE MILL HOLDERS-TENONS DRIVE



DIN 69893 F - ISO 3937

COD.	DESCRIPTION	HSK	H	d	d2	G2.5 20000	1	1	2	3	WRENCH
							CROSS SCREW	CROSS SCREW ON ENQUIRY	DOWELS	SCREW	
											
6267	HSK50FH50D16F	50	50	16	38	•	4985	2739	7421	0255	4562
6268	HSK50FH50D22F	50	50	22	48	•	4986	2740	7427	0256	4563
6269	HSK50FH50D27F	50	50	27	58	•	4987	2741	7428	7414	4564
6270	HSK63FH45D16F	63	45	16	38	•	4985	2739	7421	0255	4562
6503	HSK63FH100D16F	63	100	16	38	•	4985	2739	7421	0255	4562
6271	HSK63FH50D22F	63	50	22	48	•	4986	2740	7427	0256	4563
6504	HSK63F100D22F	63	100	22	48	•	4986	2740	7427	0256	4563
6272	HSK63FH55D27F	63	55	27	58	•	4987	2741	7428	7414	4564
6505	HSK63FH100D27F	63	100	27	58	•	4987	2741	7428	7414	4564
6273	HSK63FH60D32F	63	60	32	78	•	4988	2742	7429	0099	4565
6506	HSK63FH100D32F	63	100	32	66	•	4988	2742	7429	0099	4565
6274	HSK63FH60D40F	63	60	40	80	•	4989	2743	7430	0099	4566
6507	HSK63FH100D40F	63	100	40	80	•	4989	2743	7430	0099	4566

ACCESSORIES

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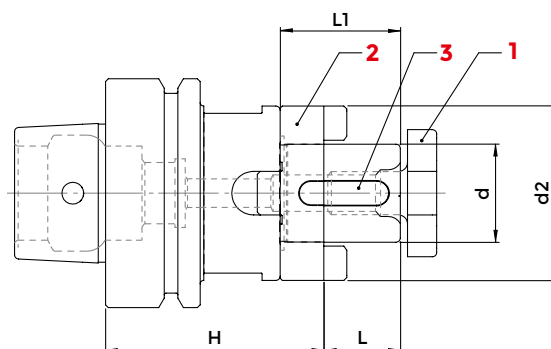
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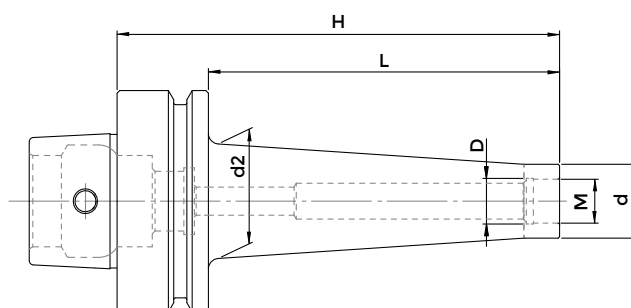
COMBI-SHELL MILL ADAPTORS



DIN 69893 F

COD.	DESCRIPTION	HSK	H	d	d2	L	L1	G6,3 8000	1	2	3	
									RING	CROSS SCREW	KEY	WRENCH
												
6398	HSK63FH60D16C	63	60	16	32	17	27	•	4985	4090	0115	4562
6399	HSK63FH60D22C	63	60	22	40	19	31	•	4986	4091	0116	4563
6400	HSK63FH60D27C	63	60	27	48	21	33	•	4987	4092	0122	4564
6401	HSK63FH60D32C	63	60	32	58	24	38	•	4988	4093	0125	4565
6402	HSK63FH70D40C	63	40	40	70	27	41	•	4989	4094	0133	4566

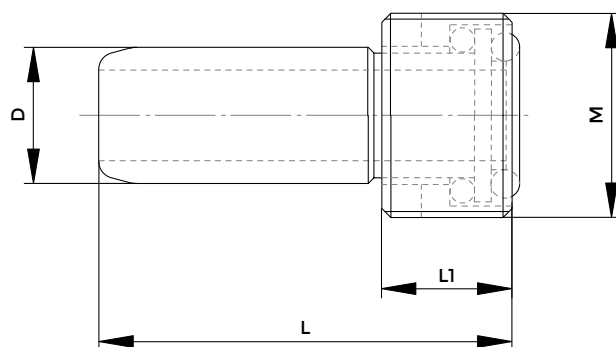
END MILL HOLDERS FOR MILLING CUTTERS WITH THREADED SHANKS



DIN 69893 F

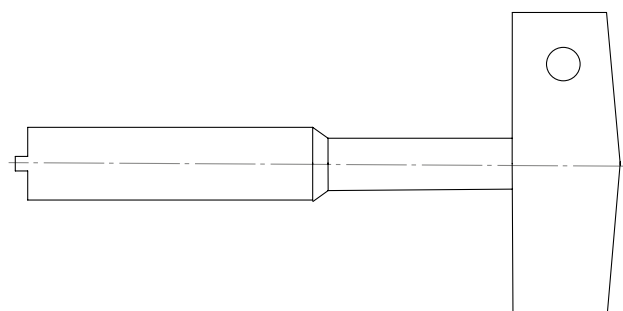
COD.	DESCRIPTION	HSK	M	D	d	d2	H	L	G2.5 20000
6875	HSK63FH84M8	63	M8	8,5	13	23	84	50	•
6879	HSK63FH84M10	63	M10	10,5	18	23	84	50	•
6880	HSK63FH109M10	63	M10	10,5	18	28	109	75	•
6883	HSK63FH84M12	63	M12	12,5	21	24	84	50	•
6885	HSK63FH134M12	63	M12	12,5	21	33	134	100	•
6886	HSK63FH59M16	63	M16	17	29	34	59	33	•
6887	HSK63FH84M16	63	M16	17	29	34	84	50	•
6888	HSK63FH109M16	63	M16	17	29	34	109	75	•
6889	HSK63FH134M16	63	M16	17	29	36	134	100	•

COOLANT SUPPLY UNIT



COD.	HSK	M	d	L	L1
0413	A+C32, B+D40	M10x1	6	26	5,5
0414	A+C40, B+D50, E40, F50	M12x1	8	29,3	7,5
0415	A+C50, B+D63, E50, F63	M16x1	10	33	9,5
0416	A+C63, E63	M18x1	12	36,6	11,5
832-016050	B+D100-80A	M20x1,5	14	40	13,5
0418	A+C100	M24x1,5	16	44	15,5

KEY FOR COOLANT SUPPLY UNIT



COD.	HSK
0470	32
0471	40
0472	50
0473	63
0474	100