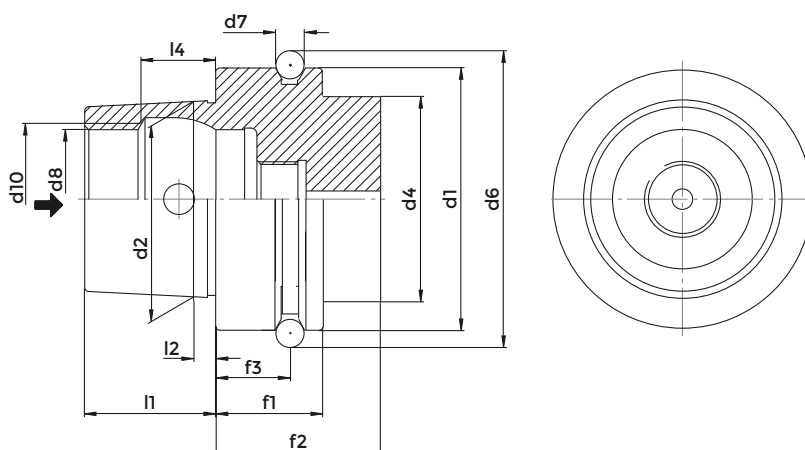




HSK E CHUCKS

DIN 69893-5

TAPER SHANKS DATA SHEET



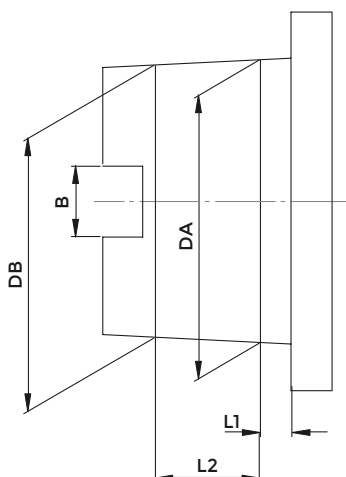
DIN 69893 E

	HSK 25	HSK 32	HSK 40	HSK 50	HSK 63
d1	25	32	40	50	63
d2	19	24	30	38	48
d4	20	26	34	42	53
d6	28,5	37	45	59,3	72,3
d7	3	4	4	7	7
d8	14	17	21	26	34
d10	15	19	23	29	37
f1	10	20	20	26	26
f2	20	35	35	42	42
f3	4,5	16	16	18	18
l1	13	16	20	25	32
l2	2,5	3,2	4	5	6,3
l4	7,21	8,92	11,42	14,13	18,13

FORM E

- Used for high frequency spindles and wood machining.
- Rotationally symmetrical, without key slots.
- Torque transmission via friction
- Central coolant supply possible through coolant channel.

CONE TOLERANCE



DIN 69893 E

HSK	L1	L2	DA	DB	B (only type A+C)
25 A+C+E	2,5	8,5	19 $+0,005$ $+0,007$	18,15 $+0,003$ $+0,005$	6.05 +/- 0.04
32 A+C	3,2	7,03	24 $+0,005$ $+0,007$	23,27 $+0,003$ $+0,005$	7.05 +/- 0.04
40 A+C+E	4	9,05	30 $+0,005$ $+0,007$	29,05 $+0,003$ $+0,005$	8.05 +/- 0.04
40 B+D	3,2	7,03	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	9,05	30 $+0,005$ $+0,007$	29,05 $+0,003$ $+0,005$	-
63 A+C+E	6,3	14,07	48 $+0,007$ $+0,011$	46,53 $+0,003$ $+0,007$	12.54 +/- 0.04
63 B+D+F	5	11	38 $+0,006$ $+0,009$	39,9 $+0,003$ $+0,006$	-
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 requirements:

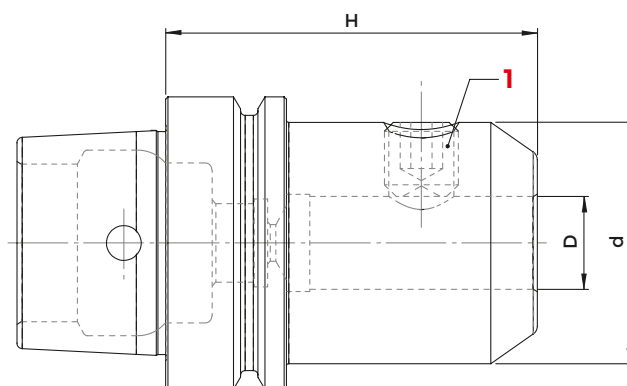
BORE: H5

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

END MILL HOLDERS WELDON - HIGH SPEED LINE

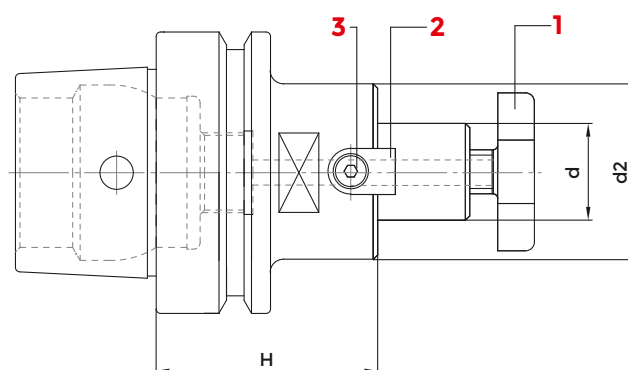


DIN 69893 A+C - DIN 1835/B

HIGH SPEED LINE

COD.	DESCRIPTION	HSK	D	d	H	G2.5 25000	1 SCREW
							
213-17341	HSK50EH80W20	50	20	52	80	•	811-106007
213-17313	HSK50EH105W25	50	25	65	105	•	811-106008
213-17315	HSK63EH65W08	63	8	28	65	•	811-106002
213-17317	HSK63EH80W16	63	16	48	80	•	811-106006
213-17342	HSK63EH80W20	63	20	52	80	•	811-106007
213-17319	HSK63EH105W25	63	25	65	105	•	811-106008
213-17323	HSK63EH110W32	63	32	72	110	•	811-106009

FACE MILL HOLDERS-TENONS DRIVE



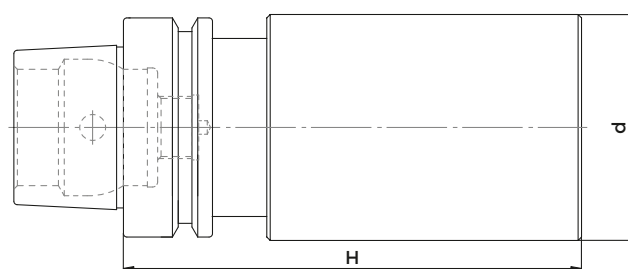
DIN 69893 E - ISO 3937

COD.	DESCRIPTION	HSK	H	d	d2	G6.3 8000	1 CROSS SCREW	1 CROSS SCREW ON ENQUIRY	2 DOWELS	3 SCREW	WRENCH
216-77301	HSK40EH45D16F	40	45	16	38	•					
216-77302	HSK40EH50D22F	40	50	22	48	•					
216-77316	HSK50EH50D16F	50	50	16	38	•					
216-77317	HSK50EH60D22F	50	60	22	48	•					
216-77318	HSK50EH60D27F	50	60	27	58	•					
216-77309	HSK63EH50D22F	63	50	22	48	•					
216-77319	HSK63EH100D22F	63	100	22	48	•					
216-77310	HSK63EH55D27F	63	55	27	58	•					
216-77320	HSK63EH60D27F	63	60	27	58	•					
216-77321	HSK63EH100D27F	63	100	27	58	•					

ACCESSORIES



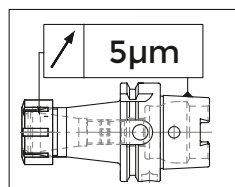
BLANK TOOLHOLDERS WITH SOFT SHANK



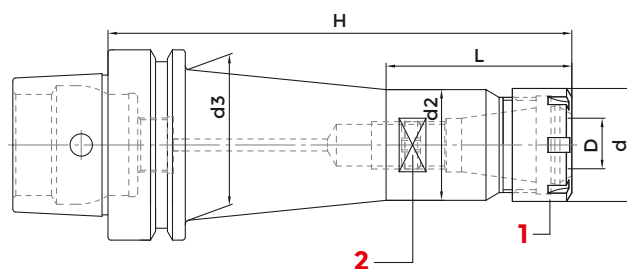
DIN 69893 E

COD.	DESCRIPTION	HSK	H	d
217-17303	HSK63EH200D63SM	63	200	63

ER MINI COLLET CHUCKS - HIGH SPEED LINE



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



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
													
214-37344	HSK25EH43ER16M	25	43	0,5÷10	22	16M	-	19	-	•	812-203013	811-303119	816-203009
214-37377	HSK32EH60ER16M	32	60	0,5÷10	22	16M	-	20	-	•	812-203013	811-303119	816-203009
214-37378	HSK32EH60ER25M	32	60	1÷16	35	25M	-	30	-	•	812-203015	811-303121	816-203011
214-37301	HSK40EH70ER16M	40	70	0,5÷10	22	16M	-	20	-	•	812-203013	811-303119	816-203009
214-37311	HSK40EH120ER16M	40	120	0,5÷10	22	16M	47	20	29	•	812-203013	811-303119	816-203009
214-37302	HSK40EH80ER25M	40	80	1÷16	35	25M	-	34	-	•	812-203015	811-303121	816-203011
214-37303	HSK50EH80ER16M	50	80	0,5÷10	22	16M	-	20	-	•	812-203013	811-303119	816-203009
214-37313	HSK50EH150ER16M	50	150	0,5÷10	22	16M	47	20	40	•	812-203013	811-303119	816-203009
214-37306	HSK63EH90ER16M	63	90	0,5÷10	22	16M	-	20	-	•	812-203013	811-303119	816-203009
214-37316	HSK63EH160ER16M	63	160	0,5÷10	22	16M	47	20	39	•	812-203013	811-303119	816-203009

ACCESSORIES

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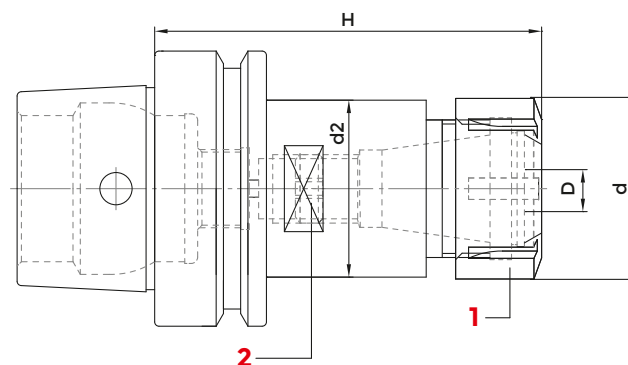
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ER COLLET CHUCKS - HIGH SPEED LINE



DIN 6499 - ISO 15488

HIGH SPEED LINE

COD.	DESCRIPTION	HSK	H	D	d	ER	d2	G2.5 30000	1	2
									NUT	SCREW
214-37386	HSK40EH65ER32	40	65	2÷20	50	32	33	•		
214-37304	HSK50EH95ER25	50	95	1÷16	42	25	41,5	•	812-203001	0190
214-37305	HSK50EH100ER32	50	100	2÷20	50	32	42	•	812-203002	-
214-37387	HSK63EH70ER25	63	70	1÷16	42	25	41	•	812-203001	-
214-37307	HSK63EH90ER25	63	90	1÷16	35	25	42	•	812-203001	0190
214-37388	HSK63EH100ER25	63	100	1÷16	42	25	41	•	812-203001	0190
214-37389	HSK63EH75ER32	63	75	2÷20	50	32	49	•	812-203002	-
214-37308	HSK63EH100ER32	63	100	2÷20	50	32	49,5	•	812-203002	811-303118
214-37309	HSK63EH80ER40	63	80	3÷30	63	40	50	•	812-203003	-

ACCESSORIES



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