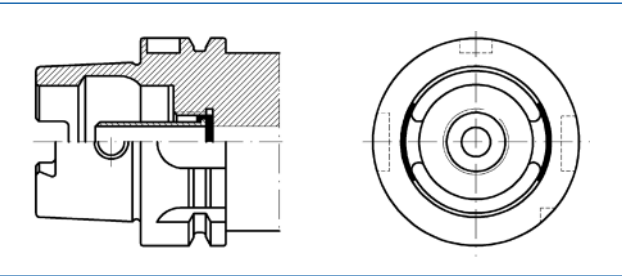




DIN 69893-HSK 刀柄

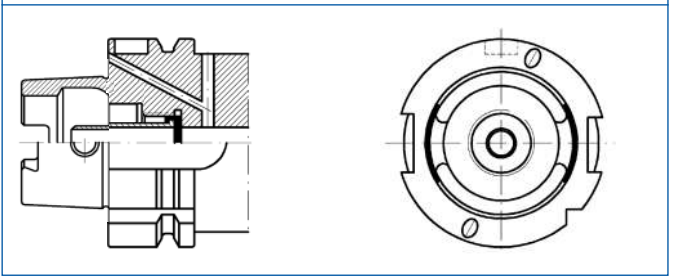
DIN 69893-1 Page: 5

FORM A For automatic change. Central coolant
 ... 14 ... 自动更换系统专用，中央冷却孔。



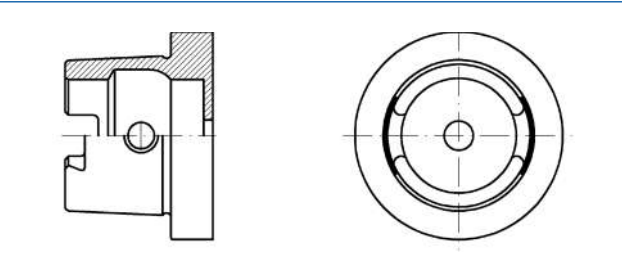
DIN 69893-2

FORM B For automatic change. Central and flange through coolant
 ... 15 ... 自动更换系统专用，中央与侧边有冷却孔。



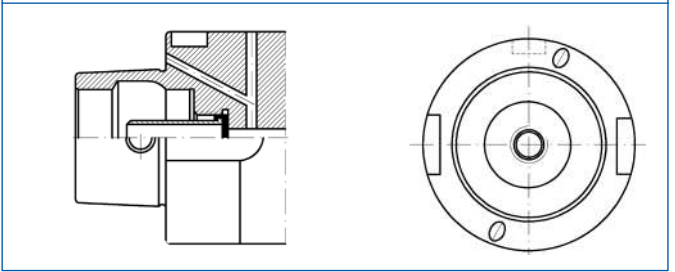
DIN 69893-1 Page: 35

FORM C For manual change. Central coolant
 ... 16 ... 手动更换系统专用，中央冷却孔。



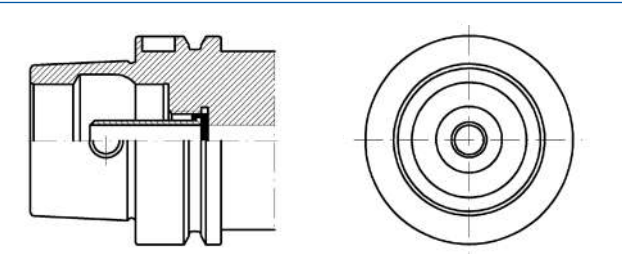
DIN 69893-2

FORM D For manual change. Central and flange through coolant
 ... 17 ... 手动更换系统专用，中央与侧边有冷却孔。



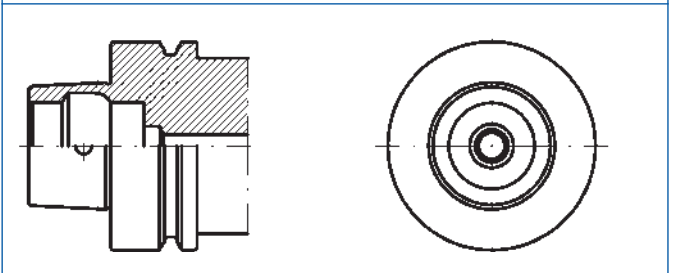
DIN 69893-5 Page: 39

FORM E For automatic change. Without driving slot
 ... 18 ... 自动更换系统专用，无驱动槽。



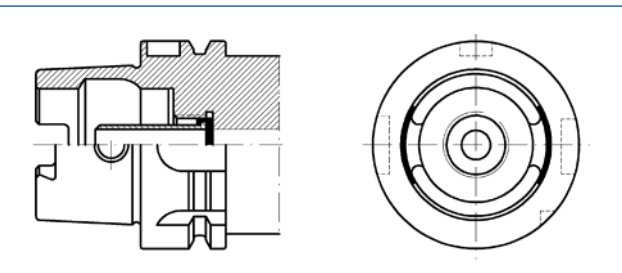
DIN 69893-6 Page: 49

FORM F For automatic change. With enlarged flange
 ... 19 ... 自动更换系统专用，支撑面加厚。



ISO 12164-3 ICTM Page: 35

FORM T For automatic change. Central coolant
 ... 24 ... 自动更换系统专用，中央冷却孔。

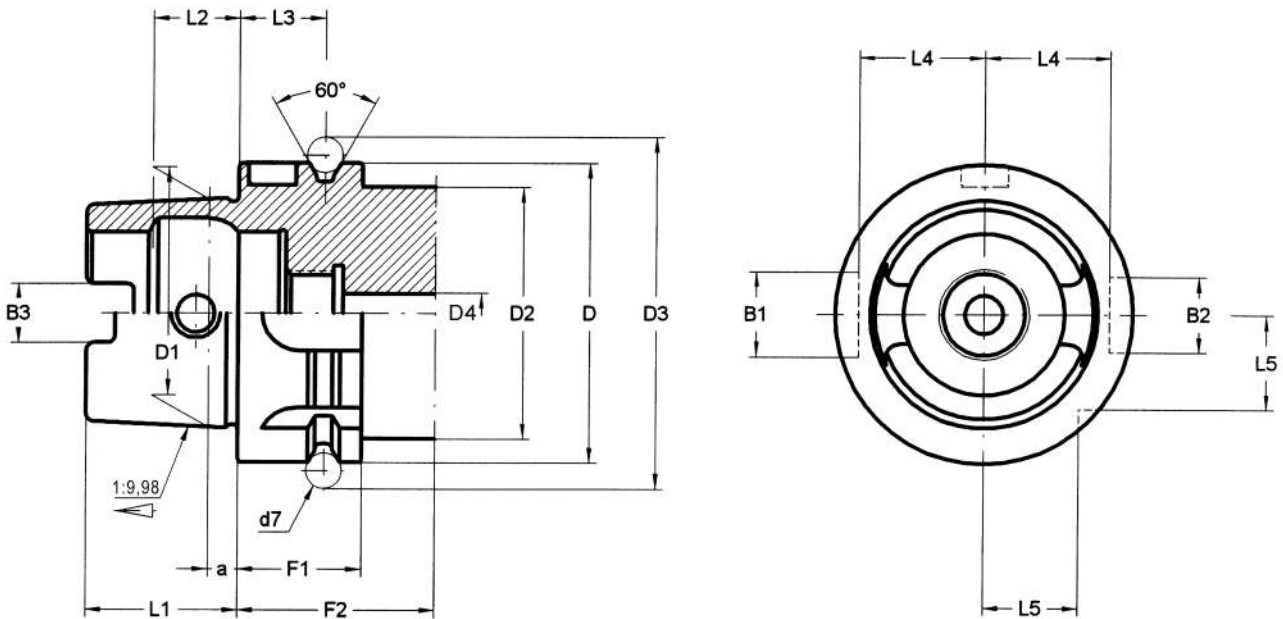


DIN 69893 HSK - Accessories Page: 55

DIN 69893 HSK - 配件

B and D forms are outside of our present production program. Are manufactured on request.

FORM B 和 D 目前不属于生产线上的产品，如客户需要可定制。






















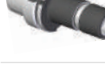





HSK	D h10	D1	D2 max.	D3 ^{-0,1}	B1 H10	B2 H10	B3 ^{±0,04}	d7	D4 max.
25	25	19	20	25,8	7	6	6,05	3	3
32	32	24	26	37	9	7	7,05	4	4,2
40	40	30	34	45	11	9	8,05	4	5
50	50	38	42	59,3	14	12	10,54	7	6,8
63	63	48	53	72,3	18	16	12,54	7	8,4
80	80	60	68	88,8	20	18	16,04	7	10,2
100	100	75	88	109,75	22	20	20,02	7	12
125	125	95	111	134,75	28	25	25,02	7	14

HSK	L1 ^{-0,2}	L2 JS10	L3 ^{±0,1}	L4 ^{-0,2}	L5 ^{-0,3}	F1 ^{-0,1}	F2 min.	a
25	13	7,21	4,5	10	7,5	10	20	2,5
32	16	8,92	16	13	9,5	20	35	3,2
40	20	11,42	16	17	12	20	35	4
50	25	14,13	18	21	15,5	26	42	5
63	32	18,13	18	26,5	20	26	42	6,3
80	40	22,85	18	34	25	26	42	8
100	50	28,56	20	44	31,5	29	45	10
125	63	36,27	20	55,5	39,5	29	45	12,5

Material

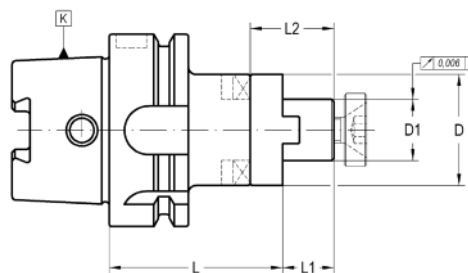
Case-hardening alloy steel.
 Case-hardened and tempered.
 Minimum strength in core 880 N/mm²
 Surface hardness HRC 57 ÷ 60

材质
 表面经过特殊处理的合金钢
 硬度高且耐高温
 轴心最低抗压强度为 880 N/mm²
 表面强度为洛氏强度 HRC 57 ÷ 60

	UNIVERSAL ARBORS 万能铣刀柄	7		WELDON HOLDERS 侧固式刀柄	21
	SHELL END MILL ARBORS 面铣刀柄	8		WHISTLE-NOTCH HOLDERS 斜2度侧固式刀柄	23
	REDUCER ADAPTERS TO MORSE 莫氏锥度转换柄	9		SHORT DRILL CHUCKS 钻夹头	24
	ADAPTERS HSK TO HSK HSK转换柄	10		SHORT DRILL CHUCKS - HIGH PRECISION - 高精度钻夹头	24
	HOLDER FOR FINE MACHINING 可调法兰盘刀柄	11		SHRINK FIT CHUCKS 热胀刀柄	25
	BASIC ADAPTER FOR MODULAR TOOLING 模块化刀柄	12		SHRINK FIT CHUCKS WITH COOLANT - ELS - 热胀刀柄-双通道内冷	28
	FRONT CONTACT ADAPTERS FOR SCREW IN TOOLS 螺纹连接刀柄	13		SHRINK FIT CHUCKS - SLIM LINE - 热胀刀柄-超薄型	29
	COLLET CHUCKS ER TYPE (DIN 6499) 高速刀柄	14		ANTIVIBRATION SHRINK FIT CHUCKS - POWER LINE - 热胀刀柄-加强防振型	30
	ZENTRO TYPE CHUCKS 真特罗.零动刀柄	16		ANTIVIBRATION SHRINK FIT CHUCKS - P.L. ELS - 热胀刀柄-加强防振双通道内冷	31
	HYDRAULIC TOOLHOLDERS 液压刀柄	17		QUICK-CHANGE TAPPING CHUCKS 微调快换攻丝刀柄	32
	GREAT POWER COLLET CHUCKS - SLIM LINE- 强力夹持-超薄型	18		QUICK-CHANGE SOLID DRIVE TAPPING CHUCKS 刚性快换攻丝刀柄	33
	GREAT POWER COLLET CHUCKS - ELS - 强力夹持-双通道内冷	19		TOOLHOLDER BLANKS 毛坯柄	34
	HIGH POWER TORQUE CHUCK - HPTC - 强力夹持-加强型	20			

For milling cutters with longitudinal or driving slot DIN 138.
适用于具备DIN 138 横向或纵向键槽的铣刀

DIN 69882-2



K	D1 h6	L	L1	L2	D	COD.	Availability 库存状况
32	16	55	17	27	32	001 14 02 01 30	■
32	22	55	19	31	40	001 14 02 01 40	■
32	27	65	21	33	48	001 14 02 01 50	■
40	16	50	17	27	32	001 14 02 02 30	■
40	22	55	19	31	40	001 14 02 02 40	■
40	27	65	21	33	48	001 14 02 02 50	■
50	16	50	17	27	32	001 14 02 03 30	□
50	22	50	19	31	40	001 14 02 03 40	□
50	27	65	21	33	48	001 14 02 03 50	□
50	32	65	24	38	58	001 14 02 03 60	□
63	16	60	17	27	32	001 14 02 04 30	■
63	22	60	19	31	40	001 14 02 04 40	■
63	27	60	21	33	48	001 14 02 04 50	■
63	32	65	24	38	58	001 14 02 04 60	■
63	40	65	27	41	70	001 14 02 04 70	■
100	16	60	17	27	32	001 14 02 06 30	■
100	22	60	19	31	40	001 14 02 06 40	■
100	27	60	21	33	48	001 14 02 06 50	■
100	32	60	24	38	58	001 14 02 06 60	■
100	40	70	27	41	70	001 14 02 06 70	■
100	50	80	30	46	90	001 14 02 06 80	■

ACCESSORIES INCLUDED

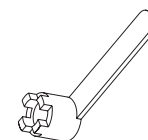
出货包含配件



D ₁	Locking nut	Locking washer	Locking screw
16	001 99 02 01 30	001 99 01 22 30	001 99 01 12 30
22	001 99 02 01 40	001 99 01 22 40	001 99 01 12 40
27	001 99 02 01 50	001 99 01 22 50	001 99 01 12 50
32	001 99 02 01 60	001 99 01 22 60	001 99 01 12 60
40	001 99 02 01 70	001 99 01 22 70	001 99 01 12 70
50	001 99 02 01 80	001 99 01 22 80	001 99 01 12 80

OPTIONAL ACCESSORIES

选购配件



D ₁	Cylindrical pin	Cross-shaped pin	Hex key
16	001 99 03 02 30	001 99 01 01 30	001 99 04 01 30
22	001 99 03 02 40	001 99 01 01 40	001 99 04 01 40
27	001 99 03 02 50	001 99 01 01 50	001 99 04 01 50
32	001 99 03 02 60	001 99 01 01 60	001 99 04 01 60
40	001 99 03 02 70	001 99 01 01 70	001 99 04 01 70
50	001 99 03 02 80	001 99 01 01 80	001 99 04 01 80

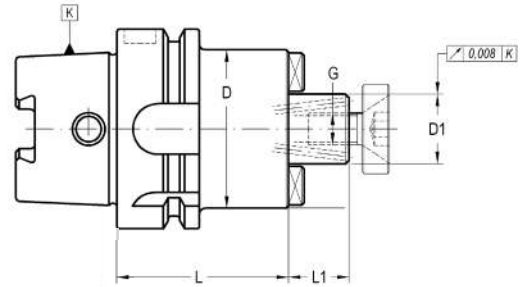
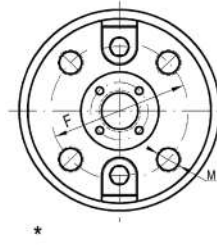
SHELL END MILL ARBORS WITH INTERNAL COOLING

面铣刀柄



001 14 33/35 ...

For shell end mills with driving slot DIN 138.
适用于具备DIN 138 键槽的壳铣刀



	K	D1 h6	L	L1	M	D	F	COD.	Availability 库存状况
NEW!	40	16	50	17	-	38	-	001 14 35 02 30	■
NEW!	40	22	60	19	-	48	-	001 14 35 02 40	■
	50	16	50	17	-	38/40	-	001 14 35 03 30	■
	50	22	60	19	-	48/50	-	001 14 35 03 40	■
	50	27	60	21	-	60	-	001 14 35 03 50	■
	63	16	50	17	-	38/40	-	001 14 35 04 30	■
	63	16	120	17	-	38/40	-	001 14 35 04 31	■
	63	22	50	19	-	48/50	-	001 14 35 04 40	■
	63	22	120	19	-	48/50	-	001 14 35 04 41	■
	63	27	60	21	-	60	-	001 14 35 04 50	■
	63	27	120	21	-	60	-	001 14 35 04 51	■
	63	32	60	24	-	70	-	001 14 35 04 60	■
	63	32	120	24	-	70	-	001 14 35 04 61	■
	* 63	40	60	27	M-12	89	66,7	001 14 33 04 70	■
	* 63	40	120	27	M-12	89	66,7	001 14 33 04 71	■
	80	22	50	19	-	48/50	-	001 14 35 05 40	■
	80	27	50	21	-	60	-	001 14 35 05 50	■
	80	32	60	24	-	70	-	001 14 35 05 60	■
	100	16	50	17	-	38/40	-	001 14 35 06 30	■
	100	16	120	17	-	38/40	-	001 14 35 06 31	■
	100	22	50	19	-	48/50	-	001 14 35 06 40	■
	100	22	120	19	-	48/50	-	001 14 35 06 41	■
	100	27	50	21	-	60	-	001 14 35 06 50	■
	100	27	120	21	-	60	-	001 14 35 06 51	■
	100	32	50	24	-	70	-	001 14 35 06 60	■
	100	32	120	24	-	70	-	001 14 35 06 61	■
	* 100	40	60	27	M-12	89	66,7	001 14 33 06 70	■
	* 100	40	120	27	M-12	89	66,7	001 14 33 06 71	■
	* 100	60	70	40	M-16	129	101,6	001 14 33 06 90	■
	* 100	60	120	40	M-16	129	101,6	001 14 33 06 91	■

- Coolant tube to be ordered separately.

* With additional 4 tapped holes for front clamping according to DIN 2079.

— 冷却管需另外选购

* 依据 DIN 2079 于前端加设四个刀具夹持孔

ACCESSORIES INCLUDED

出货包含配件

D ₁	Hex Nut	Hex Washer	Pin	Pin	Washer	Pin
16	-	303 05 05 00 30	301 01 01 03 12	301 01 09 08 20	-	-
22	-	303 05 05 00 40	301 01 01 04 12	301 01 09 10 25	-	-
27	-	303 05 05 00 50	301 01 01 05 12	301 01 01 12 25	-	-
32	-	303 05 05 00 60	301 01 01 05 16	301 01 01 16 30	-	-
40	003 99 01 01 01	-	301 01 01 06 16	-	001 99 01 22 70	001 99 01 12 70
60	-	303 05 04 00 02	301 01 01 12 25	-	-	-

OPTIONAL ACCESSORIES

选购配件

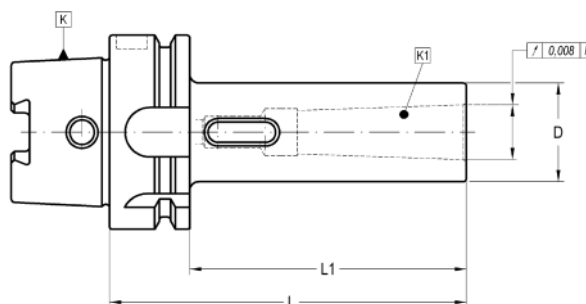
D ₁	Pin	Pin
16	001 99 01 01 30	001 99 04 01 30
22	001 99 01 01 40	001 99 04 01 40
27	001 99 01 01 50	001 99 04 01 50
32	001 99 01 01 60	001 99 04 01 60
40	001 99 01 01 70	001 99 04 01 70
60	-	-

REDUCER ADAPTERS TO MORSE

莫氏锥度转换柄

003 14 11 ...

For tapered Morse taper tools DIN 228-B.
适用于 DIN 228-B 型接头莫氏锥度工具



K	K1	L	L1	D	COD.	Availability 库存状况
50	1	100	74	25	003 14 11 03 21	■
50	2	120	94	32	003 14 11 03 31	■
50	3	140	114	40	003 14 11 03 41	■
63	1	100	74	25	003 14 11 04 21	■
63	2	120	94	32	003 14 11 04 31	■
63	3	140	114	40	003 14 11 04 41	■
63	4	160	134	48	003 14 11 04 51	■
80	3	140	114	40	003 14 11 05 41	■
80	4	170	144	48	003 14 11 05 51	■
80	5	200	174	63	003 14 11 05 61	■
100	1	110	81	25	003 14 11 06 21	■
100	2	120	91	32	003 14 11 06 31	■
100	3	150	121	40	003 14 11 06 41	■
100	4	170	141	48	003 14 11 06 51	■
100	5	200	171	63	003 14 11 06 61	■

- Coolant tube to be ordered separately.

冷却管需另外选购

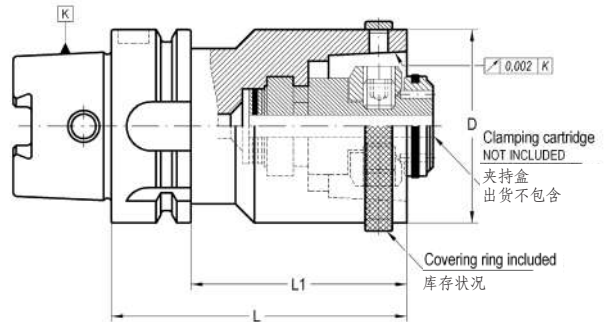
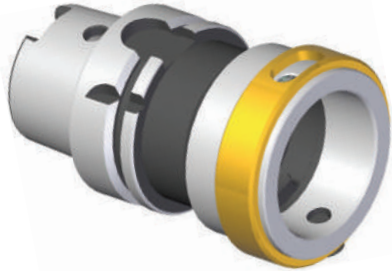
RELATIONATED ELEMENTS Page: 183

相关配件



003 02 11 ...

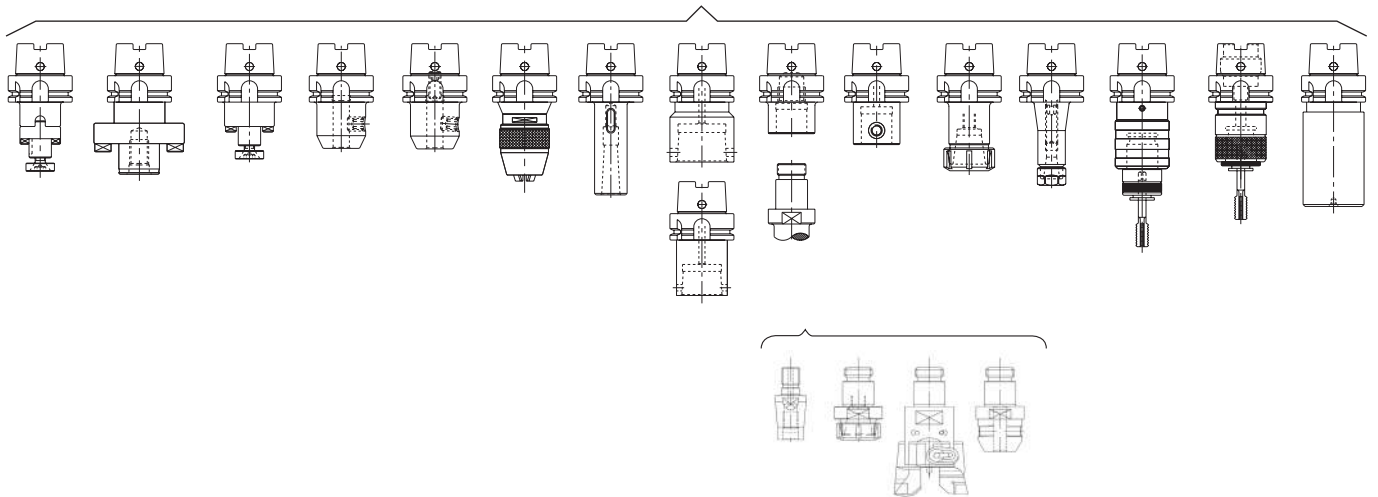
Prepared for MAPAL clamping system.
专用于马帕 (MAPAL) 夹持系统



K	D	L ±0,05	L1	COD.	Availability 库存状况
50	50	80	54	003 14 14 03 03	□
63	50	80	54	003 14 14 04 03	□
63	63	80	54	003 14 14 04 04	■
80	80	100	74	003 14 14 05 05	□
100	63	90	61	003 14 14 06 04	■
100	80	100	71	003 14 14 06 05	□
100	100	140	111	003 14 14 06 06	■
125	100	124	95	003 14 14 07 06	□

- Design for DIN 69893-1 Form A and C toolholders.
- Coolant tube to be ordered separately.
- Clamping cartridge not included.

- 专为 DIN 69893-1 FORM A & C 型刀柄设计
- 冷却管需另外选购
- 出货不包含夹持盒



ACCESSORIES INCLUDED Page: 58
出货包含配件



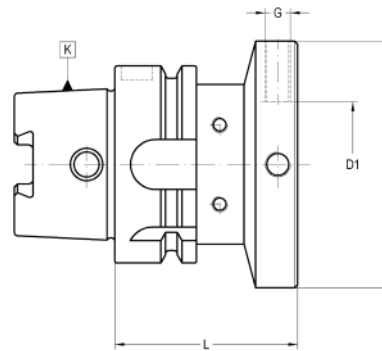
351 03 99 14 ..

OPTIONAL ACCESSORIES Page: 56
选购配件



003 99 99 50 ..

NEW!



K	D1	D	L	G	COD.	Availability 库存状况
63	40	80	60	M8	003 14 44 04 80	■
80	40	80	60	M8	003 14 44 05 80	■
100	40	80	55	M8	003 14 44 06 80	■

- Other dimensions on request.

提供各种尺寸定制

RELATIONATED ELEMENTS Page: 227

相关配件



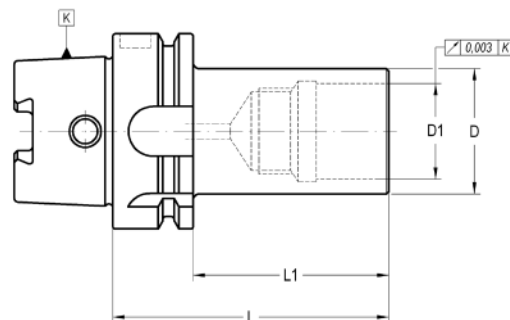
004 44 12 ...



004 44 55 ...



012 44 12 ...



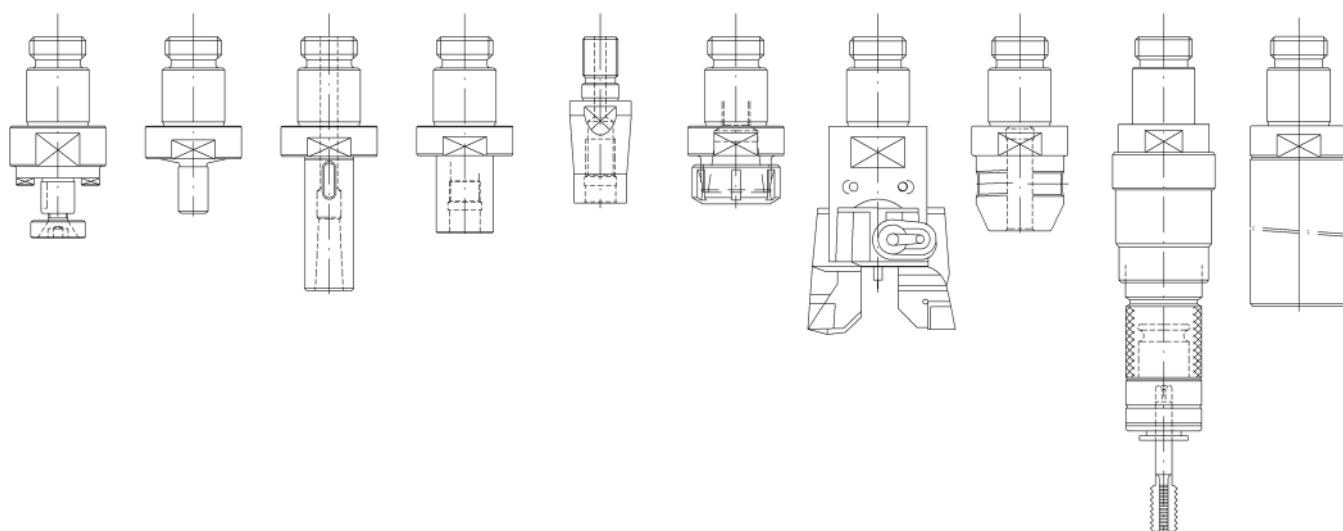
K	D	D1 H5	L	L1	COD.	Availability 库存状况
50	46	30	75	49	003 14 54 03 06	■
63	46	30	80	54	003 14 54 04 06	■
63	63	46	130	-	003 14 54 04 07	■
80	46	40	90	64	003 14 54 05 06	■
80	63	46	105	79	003 14 54 05 07	■
100	46	30	90	61	003 14 54 06 06	■
100	63	46	110	81	003 14 54 06 07	■
100	90	46	110	81	003 14 54 06 08	■
125	63	46	115	86	003 14 54 07 07	■
125	90	46	115	86	003 14 54 07 08	■

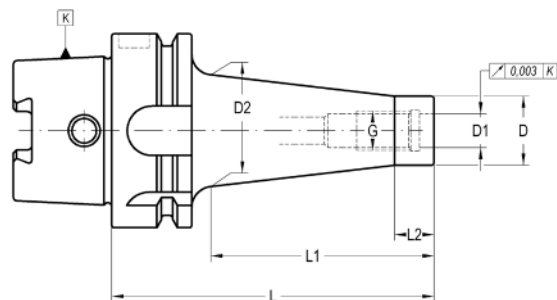
- Coolant tube to be ordered separately.

冷却管需另外选购

RELATIONATED ELEMENTS Page: 207

相关配件





K	G	D	D1	D2	L	L1	L2	COD.	Availability 库存状况
40	M-6	9,8	6,5	12	50	25	10	003 14 57 12 01	■
40	M-8	12,8	8,5	16	50	25	10	003 14 57 12 02	■
50	M-6	9,8	6,5	12	55	25	10	003 14 57 13 01	■
50	M-6	9,8	6,5	20	105	75	10	003 14 57 33 01	□
50	M-8	12,8	8,5	24	105	75	10	003 14 57 33 02	□
50	M-10	17,8	10,5	20	55	25	10	003 14 57 13 03	■
50	M-10	17,8	10,5	28	105	75	10	003 14 57 33 03	■
63	M-6	9,8	6,5	12	55	25	10	003 14 57 14 01	■
63	M-6	9,8	6,5	20	105	75	10	003 14 57 34 01	■
63	M-8	12,8	8,5	16	55	25	10	003 14 57 14 02	■
63	M-8	12,8	8,5	24	105	75	10	003 14 57 34 02	■
63	M-8	12,8	8,5	28	130	100	10	003 14 57 44 02	■
63	M-10	17,8	10,5	20	55	25	10	003 14 57 14 03	■
63	M-10	17,8	10,5	28	105	75	10	003 14 57 34 03	■
63	M-10	17,8	10,5	32	130	100	10	003 14 57 44 03	■
63	M-12	20,8	12,5	24	55	25	10	003 14 57 14 04	■
63	M-12	20,8	12,5	32	105	75	10	003 14 57 34 04	■
63	M-12	20,8	12,5	36	130	100	10	003 14 57 44 04	■
63	M-16	28,8	17	30	55	25	10	003 14 57 14 05	■
63	M-16	28,8	17	38	105	75	10	003 14 57 34 05	■
63	M-16	28,8	17	42	130	100	10	003 14 57 44 05	■
100	M-8	12,8	8,5	20	90	50	10	003 14 57 26 02	■
100	M-8	12,8	8,5	30	140	100	10	003 14 57 46 02	■
100	M-8	12,8	8,5	40	190	150	10	003 14 57 66 02	■
100	M-10	17,8	10,5	24	90	50	10	003 14 57 26 03	■
100	M-10	17,8	10,5	34	140	100	10	003 14 57 46 03	■
100	M-10	17,8	10,5	44	190	150	10	003 14 57 66 03	■
100	M-12	20,8	12,5	24	90	50	10	003 14 57 26 04	■
100	M-12	20,8	12,5	34	140	100	10	003 14 57 46 04	■
100	M-12	20,8	12,5	44	190	150	10	003 14 57 66 04	■
100	M-16	28,8	17	32	90	50	10	003 14 57 26 05	■
100	M-16	28,8	17	42	140	100	10	003 14 57 46 05	■
100	M-16	28,8	17	52	190	150	10	003 14 57 66 05	■

Delivery:

- Balanced according to ISO 1940-1 up to 25.000 r.p.m.
- We have latest methods for dynamic balancing up to 50.000 r.p.m.
- Coolant tube to be ordered separately.

配送:

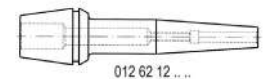
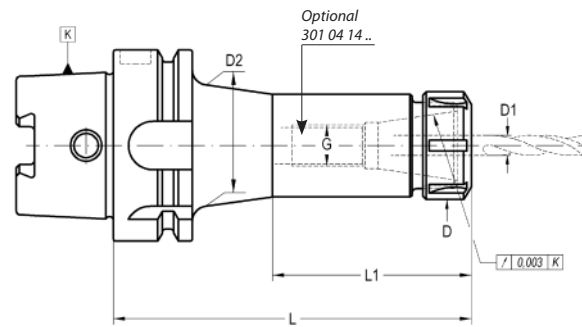
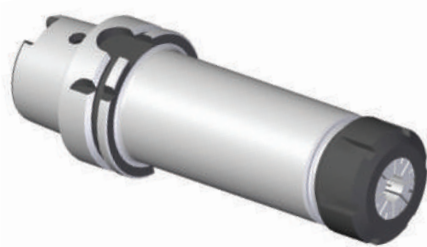
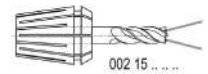
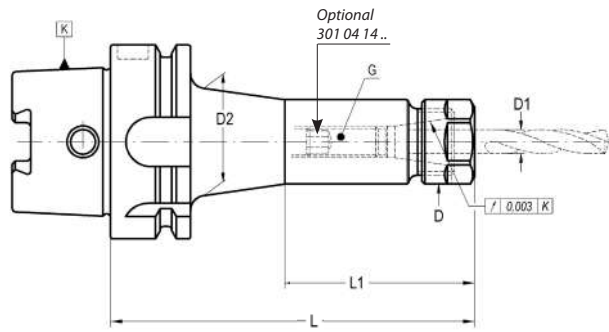
- 根据ISO 1940-1 动平衡标准可达转速二万五千以上
- 我们的最新技术可将动平衡调整至高达转速五万
- 冷却管需另外选购



For tools with cylindrical straight shank DIN 1835-A.
适用于 DIN 1835-A 型滑面直柄刀具

DIN 69882-6

ER-16



K	Size	D1	L	D	D2	L1	G	COD.	Availability 库存状况
32	(ER16)	0,5 - 10	80	28	-	-	M-8	004 14 06 01 03	■
NEW! 40	(ER11) Mini	0,5 - 7	60	16	-	-	M-8	004 14 06 02 02	■
40	(ER16)	0,5 - 10	80	28	-	-	M-10	004 14 06 02 03	■
40	(ER25)	1-16	80	42	-	-	M-10	004 14 06 02 05	■
40	(ER32)	2-20	100	50	-	-	M-16	004 14 06 02 06	■
50	(ER16)	0,5 - 10	100	28	-	-	M-10	004 14 06 03 13	■
50	(ER25)	1-16	80	42	-	-	M-10	004 14 06 03 05	■
50	(ER32)	2-20	100	50	-	-	M-16	004 14 06 03 06	■
NEW! 63	(ER11) Mini	0,5 - 7	100	16	-	-	M-8	004 14 06 04 12	■
63	(ER16)	0,5 - 10	80	28	-	-	M-10	004 14 06 04 03	■
63	(ER16)	0,5 - 10	100	28	-	-	M-10	004 14 06 04 13	■
63	(ER16)	0,5 - 10	160	28	45	85	M-10	004 14 06 04 33	■
63	(ER25)	1-16	80	42	-	-	M-10	004 14 06 04 05	■
63	(ER25)	1-16	120	42	-	-	M-10	004 14 06 04 15	■
63	(ER25)	1-16	200	42	-	-	M-10	004 14 06 04 45	■
NEW! 63	(ER32)	2-20	75	50	-	-	M-16	004 14 06 04 76	■
63	(ER32)	2-20	100	50	-	-	M-16	004 14 06 04 06	■
63	(ER32)	2-20	160	50	-	-	M-16	004 14 06 04 26	■
63	(ER32)	2-20	200	50	-	-	M-16	004 14 06 04 46	■
63	(ER40)	3-26	120	63	-	-	M-16	004 14 06 04 07	■
63	(ER40)	3-26	160	63	-	-	M-16	004 14 06 04 27	■
63	(ER40)	3-26	200	63	-	-	M-16	004 14 06 04 47	■

K	Size 尺寸	D1	L	D	D2	L1	G	COD.	Availability 库存状况
80	(ER16)	0,5 - 10	100	28	-	-	M-10	004 14 06 05 13	■
80	(ER16)	0,5 - 10	160	28	45	85	M-10	004 14 06 05 33	■
80	(ER32)	2 - 26	100	50	-	-	M-16	004 14 06 05 06	■
80	(ER40)	3 - 26	100	63	-	-	M-16	004 14 06 05 07	■
100	(ER16)	0,5 - 10	100	28	-	-	M-10	004 14 06 06 13	■
100	(ER16)	0,5 - 10	160	28	60	85	M-10	004 14 06 06 33	■
100	(ER16)	0,5 - 10	200	28	60	120	M-10	004 14 06 06 43	■
100	(ER32)	2 - 20	75	50	-	-	M-16	004 14 06 06 76	■
100	(ER32)	2 - 20	100	50	-	-	M-16	004 14 06 06 06	■
100	(ER32)	2 - 20	160	50	-	-	M-16	004 14 06 06 26	■
100	(ER32)	2 - 20	200	50	-	-	M-16	004 14 06 06 46	■
100	(ER40)	3 - 26	120	63	-	-	M-16	004 14 06 06 07	■
100	(ER40)	3 - 26	160	63	-	-	M-16	004 14 06 06 27	■
100	(ER40)	3 - 26	200	63	-	-	M-16	004 14 06 06 47	■

- Balanced according to ISO 1940-1.
- Coolant tube to be ordered separately.

— ISO 1940-1 动平衡标准
— 冷却管需另外选购

CHUCK BODY BALANCED TO:			刀柄本体平衡等级:		
HSK 32	HSK 40	HSK 50	HSK 63	HSK 80	HSK 100
G 2,5 30.000	G 2,5 25.000	G 2,5 25.000	G 2,5 25.000	G 2,5 20.000	G 2,5 20.000

RELATIONATED ELEMENTS Page: 253

相关配件



002 11 0... 002 14... 002 15... 002 16... 012 62 12...

ACCESSORIES INCLUDED

出货包含配件

<p>Conventional 标准螺帽</p> <p>ER 16 004 99 01 08 03</p> <p>ER 25 004 99 01 03 05</p> <p>ER 32 004 99 01 03 06</p> <p>ER 40 004 99 01 03 07</p> <p>ER 50 004 99 01 03 08</p>	<p>Bearing shell nut 轴承滚珠螺帽</p> <p>ER 16 004 99 01 04 03</p> <p>ER 25 004 99 01 04 05</p> <p>ER 32 004 99 01 04 06</p> <p>ER 40 004 99 01 04 07</p> <p>ER 50 004 99 01 04 08</p>	<p>Notch free nut 无风阻螺帽</p> <p>ER 16 004 99 01 10 03</p> <p>ER 25 004 99 01 10 05</p> <p>ER 32 004 99 01 10 06</p> <p>ER 40 004 99 01 10 07</p>	<p>Mini 迷你型螺帽</p> <p>ER 8 004 99 01 06 01</p> <p>ER 11 004 99 01 06 02</p> <p>ER 16 004 99 01 06 03</p>
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OPTIONAL ACCESSORIES

选购配件

<p>ER Mini 迷你型螺帽</p> <p>8 004 99 04 05 01</p> <p>11 004 99 04 05 02</p> <p>16 004 99 04 05 03</p>	<p>ER 16 004 99 04 06 25</p>	<p>004 99 04 07 30</p>
<p>301 04 14 ...</p>	<p>ER 25 004 99 04 03 05</p> <p>ER 32 004 99 04 03 06</p> <p>ER 40 004 99 04 03 07</p>	<p>004 99 04 07 40</p> <p>004 99 04 07 50</p> <p>004 99 04 07 63</p>

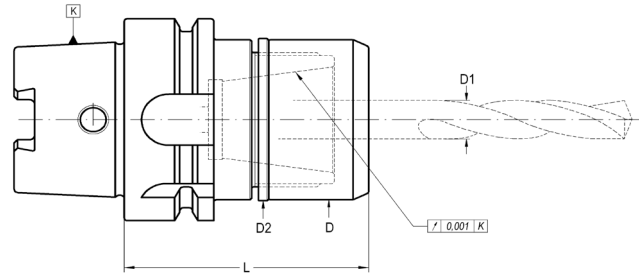
ZENTRO TYPE CHUCKS

ZER 型筒夹刀柄

004 14 16 ...



For tools with cylindrical straight shank DIN 1835-A.
适用于DIN 1835-A 型滑面直柄刀具



K	Size	D1	L	D	D2	COD.	Availability 库存状况
63	(ZR-32)	2-20	70	50	50,4	004 14 06 04 46	■

RELATIONATED ELEMENTS Page: 253

相关配件



002 11 0... 002 14 ... 002 15 ... 002 16 ... 012 62 12 ...

ACCESSORIES INCLUDED

出货包含配件

Notch free
无风阻螺帽



ZER
32 004 99 01 16 06

OPTIONAL ACCESSORIES

选购配件

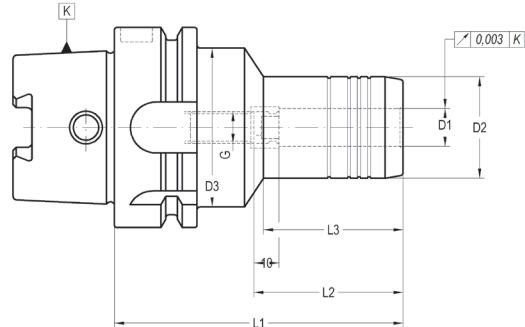


004 99 04 07 30



301 04 14 ...

NEW!



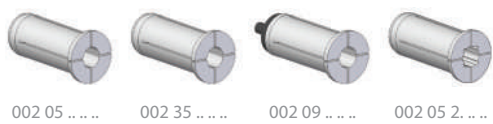
K	D1	D2	D3	L1	L2	L3	G	COD.	Availability Disponibilidad Verfügbarkeit
63	6	26	50	70	37	103	M 4	004 14 12 14 06	■
63	8	28	50	70	37	24,5	M 6	004 14 12 04 08	■
63	8	28	50	150	37	103	M 6	004 14 12 14 08	■
63	12	32	50	85	46	41,5	M 10 x 1	004 14 12 04 12	■
63	12	32	50	150	46	41,5	M 10 x 1	004 14 12 14 12	■
63	16	38	50	90	49	45,5	M 12 x 1	004 14 12 04 16	■
63	16	38	50	150	49	45,5	M 12 x 1	004 14 12 14 16	■
63	20	42	50	90	51	47,5	M 16 x 1	004 14 12 04 20	■
63	20	42	50	150	51	47,5	M 16 x 1	004 14 12 14 20	■
100	8	28	50	75	37	26	M 6	004 14 12 06 08	■
100	12	32	50	95	46	47	M 10 x 1	004 14 12 06 12	■
100	16	38	50	100	49	53	M 12 x 1	004 14 12 06 16	■
100	20	42	50	105	51	59	M 16 x 1	004 14 12 06 20	■
100	32	64	75	110	61	62	M 16 x 1	004 14 12 06 32	■

- Other sizes please contact.

如需其他尺寸请与我们联系

CHUCK BODY BALANCED TO: 刀柄本体平衡等级:	
HSK 63	HSK 100
G 6,3 15.000	G 6,3 15.000

RELATIONATED ELEMENTS Page: 239/261
相关配件



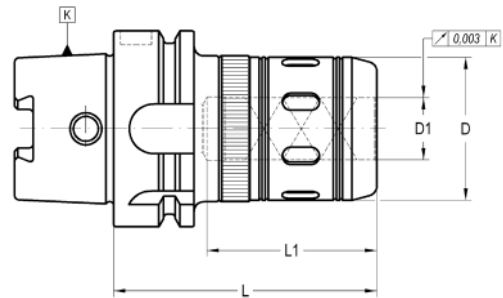
GREAT POWER COLLET CHUCKS -SLIM LINE-

强力夹持-超薄型



004 14 15 ...

For tools with cylindrical straight shanks.
适用于直柄刀具



K	D1	L	D	L1	COD.	Availability 库存状况	
63	20	85	46	60	004 14 15 04 04	■	004 99 04 02 06
63	20	110	46	60	004 14 15 04 14	■	004 99 04 02 06
63	32	110	62	80	004 14 15 04 06	■	004 99 04 02 06
63	32	130	62	80	004 14 15 04 16	■	004 99 04 02 06
80	20	95	46	60	004 14 15 05 04	■	004 99 04 02 06
80	32	110	62	80	004 14 15 05 06	■	004 99 04 02 06
100	20	105	46	60	004 14 15 06 04	■	004 99 04 02 06
100	32	115	62	80	004 14 15 06 06	■	004 99 04 02 06
100	32	135	62	80	004 14 15 06 16	■	004 99 04 02 06
100	40	125	85	85	004 14 15 06 07	■	004 99 04 02 06
100	50	135	99	90	004 14 15 06 09	■	004 99 04 02 06
125	40	135	85	90	004 14 15 07 07	■	004 99 04 02 06
125	50	135	99	90	004 14 15 07 09	■	004 99 04 02 06

- For an optimum performance of the chuck it is highly recommended to use h6 cylindrical tools.
- For tools with nominal \varnothing equal to "D1" the collet is not needed.

— 为提供刀柄的最高效能，我们建议您搭配h6精度的直柄刀具
— 刀具直径如与D1值相等，则不需要使用筒夹

CHUCK BODY BALANCED TO:			刀柄本体平衡等级:
HSK 63	HSK 80	HSK 100	
G 2,5 25.000 rpm	G 2,5 20.000 rpm	G 2,5 20.000 rpm	

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Use recommendations
使用相关注意事项

RELATED ELEMENTS Page: 239/261
相关配件



ACCESSORIES INCLUDED Page: 293
出货包含配件

Conventional
标准螺帽

Notch free nut
无风阻螺帽



D1
20 351 04 00 14 07
32 351 04 00 14 07

D1
20 351 04 00 34 07
32 351 04 00 34 07

OPTIONAL ACCESSORIES Page: 293
选购配件

Wrench for conventional nut
常规螺母用扳手

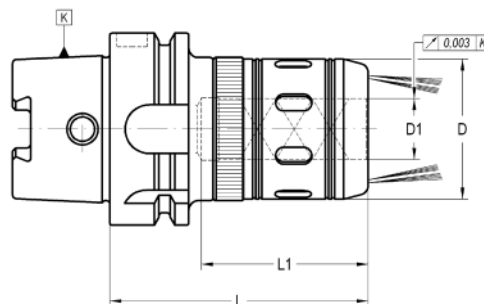
Wrench for not free nut
滑面螺母用扳手



D1
20 004 99 04 09 09
32 004 99 04 09 11

004 99 04 07 46
004 99 04 07 62

For tools with plain cylindrical straight shank.
适用于直柄刀具



K	D1	L	D	L1	COD.	Availability 库存状况	
63	20	85	46 / 49	60	004 14 25 04 04	<input type="checkbox"/>	004 99 04 02 06
63	32	110	62	80	004 14 25 04 06	<input type="checkbox"/>	004 99 04 02 06
80	32	110	62	80	004 14 25 05 06	<input type="checkbox"/>	004 99 04 02 06
100	32	115	62	80	004 14 25 06 06	<input type="checkbox"/>	004 99 04 02 06

- For an optimum performance of the chuck it is highly recommended to use h6 cylindrical tools.
- For tools with nominal \varnothing equal to "D1" the collet is not needed.

— 为提供刀柄的最高效能，我们建议您搭配h6精度的直柄刀具
— 刀具直径如与D1值相等，则不需要使用筒夹

CHUCK BODY BALANCED TO:		刀柄本体平衡等级:	
HSK 63	HSK 80	HSK 100	
G 2,5 25.000 rpm	G 2,5 25.000 rpm	G 2,5 25.000 rpm	

Page: 317
Use recommendations
使用相关注意事项

OPTIONAL ACCESSORIES
选购配件



D1
20 004 99 04 09 09
32 004 99 04 09 11

HIGH POWER COLLET CHUCKS - HPTC -

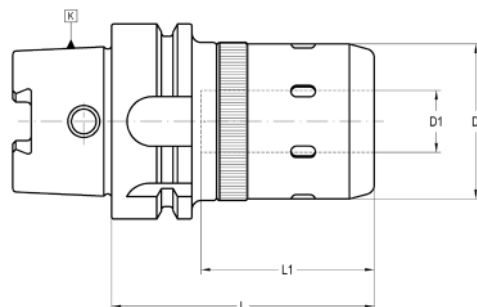
强力夹持-加强型



004 14 55 ...

For tools with cylindrical straight shank.
适用于直柄刀具

NEW!



K	D1 max.	L	D	D2	L1	COD. Form AD + B	Availability 库存状况	
40	16	80	40	41	50	004 14 55 02 03	■	004 99 04 02 06
40	16	100	40	41	50	004 14 55 02 13	■	004 99 04 02 06
50	16	75	40	41	50	004 14 55 03 03	■	004 99 04 02 06
50	16	100	40	41	50	004 14 55 03 13	■	004 99 04 02 06
50	20	100	50	51	60	004 14 55 03 04	■	004 99 04 02 06
63	16	75	40	41	50	004 14 55 04 03	■	004 99 04 02 06
63	16	100	40	41	50	004 14 55 04 13	■	004 99 04 02 06
63	16	135	40	41	50	004 14 55 04 23	■	004 99 04 02 06
63	20	85	50	51	60	004 14 55 04 04	■	004 99 04 02 06
63	20	110	50	51	60	004 14 55 04 14	■	004 99 04 02 06
63	20	135	50	51	60	004 14 55 04 24	■	004 99 04 02 06
63	25	105	62	63	70	004 14 55 04 05	■	004 99 04 02 06
63	25	130	62	63	70	004 14 55 04 15	■	004 99 04 02 06
63	32	110	70	70	80	004 14 55 04 06	□	004 99 04 02 06
63	32	130	70	70	80	004 14 55 04 16	□	004 99 04 02 06
80	20	95	50	51	60	004 14 55 05 04	■	004 99 04 02 06
80	32	110	70	70	80	004 14 55 05 06	□	004 99 04 02 06
100	20	105	50	51	60	004 14 55 06 04	■	004 99 04 02 06
100	20	135	50	80	60	004 14 55 06 14	■	004 99 04 02 06
100	32	115	70	88	80	004 14 55 06 06	□	004 99 04 02 06
100	32	135	70	88	80	004 14 55 06 16	□	004 99 04 02 06
100	40	125	85	85	90	004 14 55 06 07	■	004 99 04 02 06
100	50	135	99	100	90	004 14 55 06 09	■	004 99 04 02 06
125	40	135	85	85	90	004 14 55 07 07	□	004 99 04 02 06
125	50	135	99	100	90	004 14 55 07 09	□	004 99 04 02 06

CHUCK BODY BALANCED TO :

刀柄本体平衡等级:

HSK 63	HSK 80	HSK 100
G 2,5 25.000 rpm	G 2,5 25.000 rpm	G 2,5 25.000 rpm

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Use recommendations
使用相关注意事项

RELATED ELEMENTS

Page: 317/261

相关配件



001 50 02 ... 012 50 09 ... 003 50 12 ... 004 50 06 ... 002 05 ... 002 09 ... 002 05 2 ...



OPTIONAL ACCESSORIES

选购配件

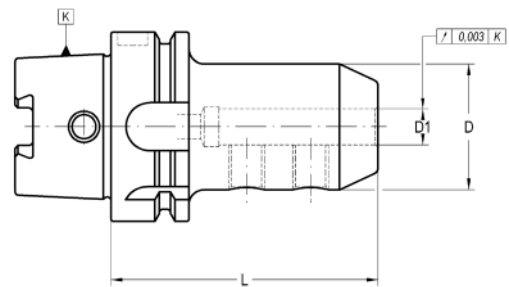
D1	
16	004 99 04 09 08
20	004 99 04 09 09
25	004 99 04 09 11
32	004 99 04 09 11
40	004 99 04 09 13
50	004 99 04 09 14


- For an optimum performance of the chuck it is highly recommended to use h6 cylindrical tools.
- For tools with nominal \varnothing equal to "D1" the collet is not needed.
- Other sizes please contact.


- 为提供刀柄的最高效能，我们建议您搭配h6精度的直柄刀具
- 刀具直径如与D1值相等，则不需要使用筒夹
- 如需其他尺寸请洽询

For end mills with shank DIN 1835-B - DIN 6535 HB.
适用于DIN 1835-B DIN 6335 HB 型直柄立铣刀

DIN 69882-5



K	D1	L	D	COD.	Availability 库存状况	
32	6	60	25	012 14 01 11 06	■	301 01 05 06 10
32	8	60	28	012 14 01 11 08	■	301 01 05 08 10
32	10	65	35	012 14 01 11 10	■	301 01 05 10 12
40	6	60	25	012 14 01 12 06	■	301 01 05 06 10
40	8	60	28	012 14 01 12 08	■	301 01 05 08 10
40	10	60	35	012 14 01 12 10	■	301 01 05 10 12
40	12	70	42	012 14 01 12 12	■	301 01 05 12 16
40	14	75	44	012 14 01 12 14	■	301 01 05 12 16
40	16	75	48	012 14 01 12 16	■	301 01 05 14 16
50	6	65	25	012 14 01 13 06	■	301 01 05 06 10
50	8	65	28	012 14 01 13 08	■	301 01 05 08 10
50	10	65	35	012 14 01 13 10	■	301 01 05 10 12
50	12	80	42	012 14 01 13 12	■	301 01 05 12 16
50	14	80	44	012 14 01 13 14	■	301 01 05 12 16
50	16	80	48	012 14 01 13 16	■	301 01 05 14 16
50	18	80	50	012 14 01 13 18	■	301 01 05 14 16
50	20	80	52	012 14 01 13 20	■	301 01 05 16 16
63	6	65	25	012 14 01 14 06	■	301 01 05 06 10
63	6	120	25	012 14 01 24 06	■	301 01 05 06 10
63	8	65	28	012 14 01 14 08	■	301 01 05 08 10
63	8	120	28	012 14 01 24 08	■	301 01 05 08 10
63	10	65	35	012 14 01 14 10	■	301 01 05 10 12
63	10	120	35	012 14 01 24 10	■	301 01 05 10 12
63	12	80	42	012 14 01 14 12	■	301 01 05 12 16
63	12	120	42	012 14 01 24 12	■	301 01 05 12 16
63	14	80	44	012 14 01 14 14	■	301 01 05 12 16
63	14	120	44	012 14 01 24 14	■	301 01 05 12 16
63	16	80	48	012 14 01 14 16	■	301 01 05 14 16
63	16	120	48	012 14 01 24 16	■	301 01 05 14 16
63	18	80	50	012 14 01 14 18	■	301 01 05 14 16
63	18	120	50	012 14 01 24 18	■	301 01 05 14 16
63	20	80	52	012 14 01 14 20	■	301 01 05 16 16
63	20	120	52	012 14 01 24 20	■	301 01 05 16 16
63	25	110	65	012 14 01 14 25	■	301 01 05 18 20
63	25	160	65	012 14 01 34 25	■	301 01 05 18 20
63	32	110	72	012 14 01 14 32	■	301 01 05 20 20
63	32	160	72	012 14 01 34 32	■	301 01 05 20 20

K	D1	L	D	COD.	Availability 库存状况	
80	12	80	42	012 14 01 15 12	■	301 01 05 12 16
80	14	80	44	012 14 01 15 14	■	301 01 05 12 16
80	16	100	48	012 14 01 15 16	■	301 01 05 14 16
80	20	100	52	012 14 01 15 20	■	301 01 05 16 16
80	32	110	72	012 14 01 15 32	■	301 01 05 20 20
100	6	80	25	012 14 01 16 06	■	301 01 05 06 10
100	6	120	25	012 14 01 26 06	■	301 01 05 06 10
100	8	80	28	012 14 01 16 08	■	301 01 05 08 10
100	8	120	28	012 14 01 26 08	■	301 01 05 08 10
100	10	80	35	012 14 01 16 10	■	301 01 05 10 12
100	10	120	35	012 14 01 26 10	■	301 01 05 10 12
100	12	80	42	012 14 01 16 12	■	301 01 05 12 16
100	12	120	42	012 14 01 26 12	■	301 01 05 12 16
100	14	80	44	012 14 01 16 14	■	301 01 05 12 16
100	14	120	44	012 14 01 26 14	■	301 01 05 12 16
100	16	100	48	012 14 01 16 16	■	301 01 05 14 16
100	16	160	48	012 14 01 36 16	■	301 01 05 14 16
100	18	100	50	012 14 01 16 18	■	301 01 05 14 16
100	18	160	50	012 14 01 36 18	■	301 01 05 14 16
100	20	100	52	012 14 01 16 20	■	301 01 05 16 16
100	20	160	52	012 14 01 36 20	■	301 01 05 16 16
100	25	100	65	012 14 01 16 25	■	301 01 05 18 20
100	25	160	65	012 14 01 36 25	■	301 01 05 18 20
100	32	100	72	012 14 01 16 32	■	301 01 05 20 20
100	32	160	72	012 14 01 36 32	■	301 01 05 20 20
100	40	110	80	012 14 01 16 40	■	301 01 05 20 20
100	40	200	80	012 14 01 46 40	■	301 01 05 20 20
100	50	130	98	012 14 01 16 50	■	301 01 05 24 25
100	50	200	98	012 14 01 46 50	■	301 01 05 24 25

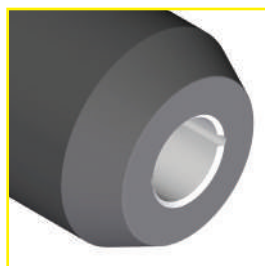
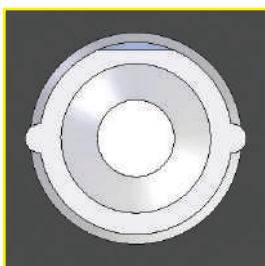
- D1 ≥ 25 mm: two clamping holes.
- Coolant tube to be ordered separately.

— D1 ≥ 25 mm : 两个刀具夹持孔
— 冷却管需另外选购

- Balanced according to ISO 1940-1 up to 10.000 r.p.m.
- We have latest methods for dynamic balancing up to 50.000 r.p.m.

— 根据ISO 1940-1 动平衡标准可达转速一万
— 我们的最新技术可将动平衡调整至高达五万

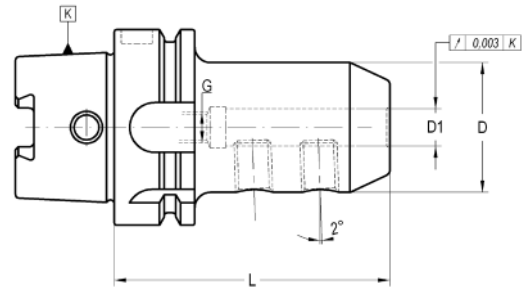
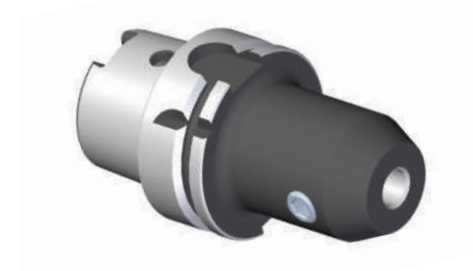
OPTIONAL: On request, supplied with cooling slots.
选购：可根据客户需求提供冷却槽





For end mills with shank DIN 1835-E.

适用于DIN 1835-E型直柄立铣刀

DIN 69882-5



K	D1	L	D	G	COD.	Availability 库存状况		
63	6	80	25	M-5	012 14 02 14 06	■	301 02 33 05 01	301 01 05 06 10
63	8	80	28	M-6	012 14 02 14 08	■	301 02 33 06 01	301 01 05 08 10
63	10	80	35	M-8	012 14 02 14 10	■	301 02 33 08 01	301 01 05 10 12
63	12	90	42	M-10	012 14 02 14 12	■	301 02 33 10 01	301 01 05 12 16
63	14	90	44	M-10	012 14 02 14 14	■	301 02 33 10 01	301 01 05 12 16
63	16	100	48	M-12	012 14 02 14 16	■	301 02 33 12 01	301 01 05 14 16
63	18	100	50	M-12	012 14 02 14 18	■	301 02 33 12 01	301 01 05 14 16
63	20	100	52	M-16	012 14 02 14 20	■	301 02 33 16 01	301 01 05 16 16
63	25	110	65	M-20	012 14 02 14 25	■	301 02 33 16 01	301 01 05 18 20
63	32	110	72	M-20	012 14 02 14 32	■	301 02 33 20 01	301 01 05 20 20
80	6	90	25	M-5	012 14 02 15 06	□	301 02 33 05 01	301 01 05 06 10
80	8	90	28	M-6	012 14 02 15 08	□	301 02 33 06 01	301 01 05 08 10
80	10	90	35	M-8	012 14 02 15 10	□	301 02 33 08 01	301 01 05 12 10
80	12	100	42	M-10	012 14 02 15 12	□	301 02 33 10 01	301 01 05 12 16
80	18	100	50	M-12	012 14 02 15 18	□	301 02 33 12 01	301 01 05 14 16
80	20	110	52	M-16	012 14 02 15 20	□	301 02 33 16 01	301 01 05 16 16
80	25	110	65	M-20	012 14 02 15 25	□	301 02 33 20 01	301 01 05 18 20
100	6	90	25	M-5	012 14 02 16 06	■	301 02 33 05 01	301 01 05 06 10
100	8	90	28	M-6	012 14 02 16 08	■	301 02 33 06 01	301 01 05 08 10
100	10	90	35	M-8	012 14 02 16 10	■	301 02 33 08 01	301 01 05 10 12
100	12	100	42	M-10	012 14 02 16 12	■	301 02 33 10 01	301 01 05 12 16
100	14	100	44	M-10	012 14 02 16 14	■	301 02 33 10 01	301 01 05 12 16
100	16	100	48	M-12	012 14 02 16 16	■	301 02 33 12 01	301 01 05 14 16
100	18	100	50	M-12	012 14 02 16 18	■	301 02 33 12 01	301 01 05 14 16
100	20	110	52	M-16	012 14 02 16 20	■	301 02 33 16 01	301 01 05 16 16
100	25	120	65	M-20	012 14 02 16 25	■	301 02 33 20 01	301 01 05 18 20
100	32	120	72	M-20	012 14 02 16 32	■	301 02 33 20 01	301 01 05 20 20

- D1 ≥ 25 mm: two clamping holes.
- Coolant tube to be ordered separately.

— D1 ≥ 25 mm: 两个刀具夹持孔
— 冷却管需另外选购

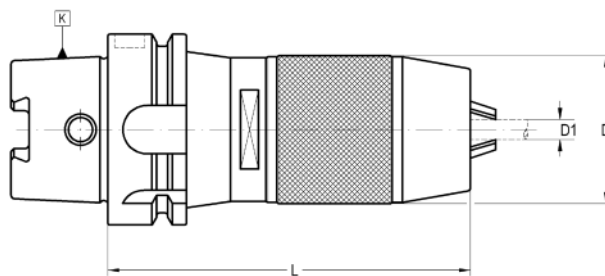
- Balanced according to ISO 1940-1 up to 10.000 r.p.m.

— 根据ISO 1940-1 动平衡标准可达转速一万

SHORT DRILL CHUCKS

钻夹头

012 14 09 ...



K	D1	L	D	COD.	Availability 库存状况			
NEW! 40	0-8	106	38	012 14 09 12 08	■	351 02 60 01 13	351 02 61 01 13	020 99 03 01 13
50	1-13	120	48	012 14 09 13 13	■	351 02 60 01 13	351 02 61 01 13	020 99 03 01 13
63	1-13	120	48	012 14 09 14 13	■	351 02 60 01 13	351 02 61 01 13	020 99 03 01 13
63	3-16	131	54	012 14 09 14 16	■	351 02 60 03 16	351 02 61 03 16	020 99 03 03 16
80	3-16	134	54	012 14 09 15 16	■	351 02 60 01 16	351 02 61 01 16	020 99 03 01 16
100	3-16	134	54	012 14 09 16 16	■	351 02 60 03 16	351 02 61 03 16	020 99 03 03 16

- Balanced according to ISO 1940-1 up to 8.000 r.p.m.

— 根据ISO 1940-1 动平衡标准可达转速八千

ACCESSORIES INCLUDED

出货包含配件

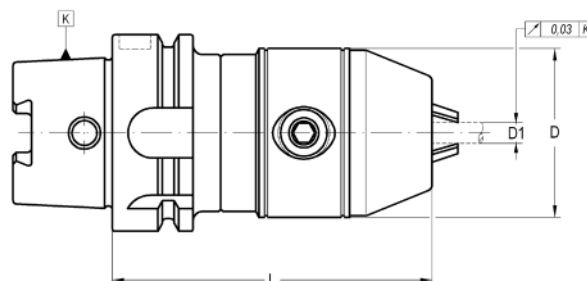


351 02 60 ...

SHORT DRILL CHUCKS - HIGH PRECISION -

高精度钻夹头

012 14 19 ...

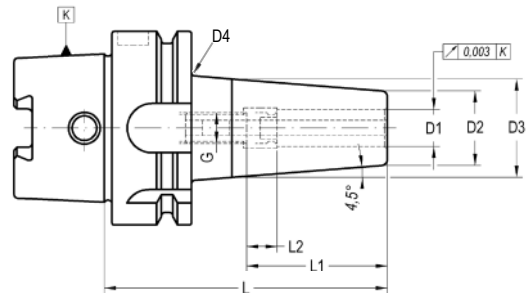
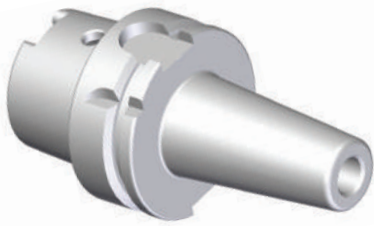



K	D1	L	D	COD.	Availability 库存状况
63	1-13	103	54	012 14 19 14 13	■
63	3-16	106	57	012 14 19 14 16	■
100	1-13	109,5	54	012 14 19 16 13	■
100	3-16	112,5	57	012 14 19 16 16	■


- Balanced according to ISO 1940-1 up to 8.000 r.p.m.


— 根据ISO 1940-1 动平衡标准可达转速八千

DIN 69882-8



K	D1	L	D2	D3	D4	L1	L2	G	COD.	Availability 库存状况	
32	3	60	12	18	-	20	5	-	012 14 12 11 03	■	-
32	4	60	14	20	-	20	5	-	012 14 12 11 04	■	-
32	5	60	16	22	-	25	5	-	012 14 12 11 05	■	-
32	6	70	21	26	-	36	10	M-5	012 14 12 11 06	■	-
32	8	70	21	26	-	36	10	M-6	012 14 12 11 08	■	-
32	10	75	24	29	-	41	10	M-8	012 14 12 11 10	■	-
32	12	80	24	29	-	46	10	M-10	012 14 12 11 12	■	-
NEW! 40	3	80	12	18	-	20	-	-	012 14 12 12 03	■	-
40	3	120	12	18	-	20	-	-	012 14 12 22 03	■	-
NEW! 40	4	80	14	20	-	20	-	-	012 14 12 12 04	■	-
40	4	120	14	20	-	20	-	-	012 14 12 22 04	■	-
NEW! 40	5	80	16	22	-	25	-	-	012 14 12 12 05	■	-
40	5	120	16	22	-	25	-	-	012 14 12 22 05	■	-
40	6	80	21	27	-	36	10	M-5	012 14 12 12 06	■	301 02 33 05 02
40	6	120	21	27	-	36	10	M-5	012 14 12 22 06	■	301 02 33 05 02
40	8	80	21	27	-	36	10	M-6	012 14 12 12 08	■	301 02 33 06 02
40	8	120	21	27	-	36	10	M-6	012 14 12 22 08	■	301 02 33 06 02
40	10	80	24	32	-	41	10	M-8	012 14 12 12 10	■	301 02 33 08 02
40	10	120	24	32	-	41	10	M-8	012 14 12 22 10	■	301 02 33 08 02
40	12	90	24	32	-	46	10	M-10	012 14 12 12 12	■	-
40	12	120	24	32	-	46	10	M-10	012 14 12 22 12	■	-
40	14	90	27	34	-	46	10	M-10	012 14 12 12 14	■	-
40	16	90	27	34	-	49	10	M-12	012 14 12 12 16	■	-
NEW! 50	3	80	12	18	-	14	-	-	012 14 12 13 03	■	-
50	3	120	12	18	-	14	-	-	012 14 12 23 03	■	-
NEW! 50	4	80	14	20	-	15	-	-	012 14 12 13 04	■	-
50	4	120	14	20	-	15	-	-	012 14 12 23 04	■	-
NEW! 50	5	80	16	22	-	20	-	-	012 14 12 13 05	■	-
50	5	120	16	22	-	20	-	-	012 14 12 23 05	■	-
50	6	80	21	27	-	36	10	M-5	012 14 12 13 06	■	301 02 33 05 02
50	6	120	21	27	-	36	10	M-5	012 14 12 23 06	■	301 02 33 05 02
50	8	80	21	27	-	36	10	M-6	012 14 12 13 08	■	301 02 33 06 02
50	8	120	21	27	-	36	10	M-6	012 14 12 23 08	■	301 02 33 06 02
50	10	85	24	32	-	41	10	M-8	012 14 12 13 10	■	301 02 33 08 02
50	12	90	24	32	-	46	10	M-10	012 14 12 13 12	■	301 02 33 10 02
50	10	120	24	32	-	41	10	M-8	012 14 12 23 10	■	301 02 33 08 02
50	12	120	24	32	-	46	10	M-10	012 14 12 23 12	■	301 02 33 10 02

K	D1	L	D2	D3	D4	L1	L2	G	COD.	Availability 库存状况	
50	14	90	27	34	-	46	10	M-10	012 14 12 13 14	■	301 02 33 10 12
50	16	95	27	34	-	49	10	M-12	012 14 12 13 16	■	301 02 33 12 12
50	18	95	33	42	-	49	10	M-12	012 14 12 13 18	■	301 02 33 12 02
50	20	100	33	42	-	51	10	M-16	012 14 12 13 20	■	301 02 33 16 02
63	3	80	12	18	-	20	-	-	012 14 12 14 03	■	-
63	3	120	12	18	-	20	-	-	012 14 12 24 03	■	-
63	4	80	14	20	-	20	-	-	012 14 12 14 04	■	-
63	4	120	14	20	-	20	-	-	012 14 12 24 04	■	-
63	5	80	16	22	-	25	-	-	012 14 12 14 05	■	-
63	5	120	16	22	-	25	-	-	012 14 12 24 05	■	-
63	6	80	21	27	-	36	10	M-5	012 14 12 14 06	■	301 02 33 05 02
63	6	120	21	27	-	36	10	M-5	012 14 12 24 06	■	301 02 33 05 02
63	6	160	21	27	-	36	10	M-5	012 14 12 34 06	■	301 02 33 05 02
63	8	80	21	27	-	36	10	M-6	012 14 12 14 08	■	301 02 33 06 02
63	8	120	21	27	-	36	10	M-6	012 14 12 24 08	■	301 02 33 06 02
63	8	160	21	27	-	36	10	M-6	012 14 12 34 08	■	301 02 33 06 02
63	10	85	24	32	-	41	10	M-8	012 14 12 14 10	■	301 02 33 08 02
63	10	120	24	32	-	41	10	M-8	012 14 12 24 10	■	301 02 33 08 02
63	10	160	24	32	-	41	10	M-8	012 14 12 34 10	■	301 02 33 08 02
63	12	90	24	32	-	46	10	M-10	012 14 12 14 12	■	301 02 33 10 02
63	12	120	24	32	-	46	10	M-10	012 14 12 24 12	■	301 02 33 10 02
63	12	160	24	32	-	46	10	M-10	012 14 12 34 12	■	301 02 33 10 02
63	14	90	27	34	-	46	10	M-10	012 14 12 14 14	■	301 02 33 10 02
63	14	120	27	34	-	46	10	M-10	012 14 12 24 14	■	301 02 33 10 02
63	14	160	27	34	-	46	10	M-10	012 14 12 34 14	■	301 02 33 10 02
63	16	95	27	34	-	49	10	M-12	012 14 12 14 16	■	301 02 33 12 02
63	16	120	27	34	-	49	10	M-12	012 14 12 24 16	■	301 02 33 12 02
63	16	160	27	34	-	49	10	M-12	012 14 12 34 16	■	301 02 33 12 02
63	18	95	33	42	-	49	10	M-12	012 14 12 14 18	■	301 02 33 12 02
63	18	120	33	42	-	49	10	M-12	012 14 12 24 18	■	301 02 33 12 02
63	18	160	33	42	-	49	10	M-12	012 14 12 34 18	■	301 02 33 12 02
63	20	100	33	42	-	51	10	M-16	012 14 12 14 20	■	301 02 33 16 02
63	20	120	33	42	-	51	10	M-16	012 14 12 24 20	■	301 02 33 16 02
63	20	160	33	42	-	51	10	M-16	012 14 12 34 20	■	301 02 33 16 02
63	25	115	44	53	-	57	10	M-16	012 14 12 14 25	■	301 02 33 16 02
63	25	160	44	53	-	57	10	M-16	012 14 12 34 25	■	301 02 33 16 02
63	32	120	44	53	-	61	10	M-16	012 14 12 14 32	■	301 02 33 16 02
NEW! 63	32	160	44	53	-	61	10	M-16	012 14 12 34 32	■	301 02 33 16 02
80	6	85	21	27	-	36	10	M-5	012 14 12 15 06	■	301 02 33 05 02
80	8	85	21	27	-	36	10	M-6	012 14 12 15 08	■	301 02 33 06 02
80	10	90	24	32	-	41	10	M-8	012 14 12 15 10	■	301 02 33 08 02
80	12	95	24	32	-	46	10	M-10	012 14 12 15 12	■	301 02 33 10 02
80	14	95	27	34	-	46	10	M-10	012 14 12 15 14	■	301 02 33 10 02
80	16	100	27	34	-	49	10	M-12	012 14 12 15 16	■	301 02 33 12 12
80	18	100	33	42	-	49	10	M-12	012 14 12 15 18	■	301 02 33 12 12
80	20	105	33	42	-	51	10	M-16	012 14 12 15 20	■	301 02 33 16 12
80	25	115	44	53	-	57	10	M-16	012 14 12 15 25	■	301 02 33 16 02
80	32	120	44	53	-	61	10	M-16	012 14 12 15 32	■	301 02 33 16 02

K	D1	L	D2	D3	D4	L1	L2	G	COD.	Availability 库存状况	
100	6	85	21	27	41	36	10	M-5	012 14 12 16 06	■	301 02 33 05 02
100	6	130	21	27	41	36	10	M-5	012 14 12 26 06	■	301 02 33 05 02
100	6	160	21	27	41	36	10	M-5	012 14 12 36 06	■	301 02 33 05 02
100	6	200	21	27	41	36	10	M-5	012 14 12 46 06	■	301 02 33 05 02
100	8	85	21	27	41	36	10	M-6	012 14 12 16 08	■	301 02 33 06 02
100	8	130	21	27	41	36	10	M-6	012 14 12 26 08	■	301 02 33 06 02
100	8	160	21	27	41	36	10	M-6	012 14 12 36 08	■	301 02 33 06 02
100	8	200	21	27	41	36	10	M-6	012 14 12 46 08	■	301 02 33 06 02
100	10	90	24	32	43	41	10	M-8	012 14 12 16 10	■	301 02 33 08 02
100	10	130	24	32	43	41	10	M-8	012 14 12 26 10	■	301 02 33 08 02
100	10	160	24	32	43	41	10	M-8	012 14 12 36 10	■	301 02 33 08 02
100	10	200	24	32	43	41	10	M-8	012 14 12 46 10	■	301 02 33 08 02
100	12	95	24	32	43	46	10	M-10	012 14 12 16 12	■	301 02 33 10 02
100	12	130	24	32	43	46	10	M-10	012 14 12 26 12	■	301 02 33 10 02
100	12	160	24	32	43	46	10	M-10	012 14 12 36 12	■	301 02 33 10 02
100	12	200	24	32	43	46	10	M-10	012 14 12 46 12	■	301 02 33 10 02
100	14	95	27	34	51	46	10	M-10	012 14 12 16 14	■	301 02 33 10 02
100	14	130	27	34	51	46	10	M-10	012 14 12 26 14	■	301 02 33 10 02
100	14	160	27	34	51	46	10	M-10	012 14 12 36 14	■	301 02 33 10 02
100	14	200	27	34	51	46	10	M-10	012 14 12 46 14	■	301 02 33 10 02
100	16	100	27	34	51	49	10	M-12	012 14 12 16 16	■	301 02 33 12 02
100	16	130	27	34	51	49	10	M-12	012 14 12 26 16	■	301 02 33 12 02
100	16	160	27	34	51	49	10	M-12	012 14 12 36 16	■	301 02 33 12 02
100	16	200	27	34	51	49	10	M-12	012 14 12 46 16	■	301 02 33 12 02
100	18	100	33	42	51	49	10	M-12	012 14 12 16 18	■	301 02 33 12 02
100	18	130	33	42	51	49	10	M-12	012 14 12 26 18	■	301 02 33 12 02
100	18	160	33	42	51	49	10	M-12	012 14 12 36 18	■	301 02 33 12 02
100	18	200	33	42	51	49	10	M-12	012 14 12 46 18	■	301 02 33 12 02
100	20	105	33	42	51	51	10	M-16	012 14 12 16 20	■	301 02 33 16 02
100	20	130	33	42	51	51	10	M-16	012 14 12 26 20	■	301 02 33 16 02
100	20	160	33	42	51	51	10	M-16	012 14 12 36 20	■	301 02 33 16 02
100	20	200	33	42	51	51	10	M-16	012 14 12 46 20	■	301 02 33 16 02
100	25	115	44	53	61	57	10	M-16	012 14 12 16 25	■	301 02 33 16 02
100	25	160	44	53	61	57	10	M-16	012 14 12 36 25	■	301 02 33 16 02
100	25	200	44	53	61	57	10	M-16	012 14 12 46 25	■	301 02 33 16 02
100	32	120	44	53	61	61	10	M-16	012 14 12 16 32	■	301 02 33 16 02
100	32	160	44	53	61	61	10	M-16	012 14 12 36 32	■	301 02 33 16 02
100	32	200	44	53	61	61	10	M-16	012 14 12 46 32	■	301 02 33 16 02

Characteristics:

- Heat resistant hot working steel.
- Tempered: 54-2 HRC.
- Taper manufactured according DIN-69893.
- Balanced according to ISO-1940-1 to G2,5 at 25.000 r.p.m.

Application:

- Machining where it requires a exceptional high accuracy.
- For a correct function it recommended:

Shank tolerance: h6.

D1 = 3, 4 & 5: Carbide

D1 ≥ 6 mm: Carbide or HSS

Delivery:

- Coolant tube ordered separately.
- With built-in bored through stop screw.

特色:

- 使用耐热钢打造
- 回火: 54-2 HRC
- 锥头为DIN-69893型
- 根据ISO 1940-1 动平衡标准转速二万五千时为 G 2.5

应用:

- 装设使用的跳动精度极高
- 使其正常运作应注意:

刀柄等级: h6

D1 = 3, 4 & 5 mm: 碳化钢

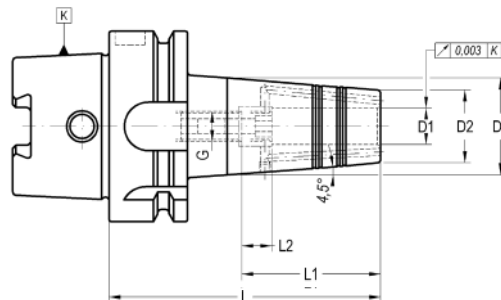
D1 ≥ 6 mm: 碳化钢 或 高速钢


配送:

- 冷却管需另外选购
- 内置冷却液槽锁紧螺钉

Similar to DIN 69882-8

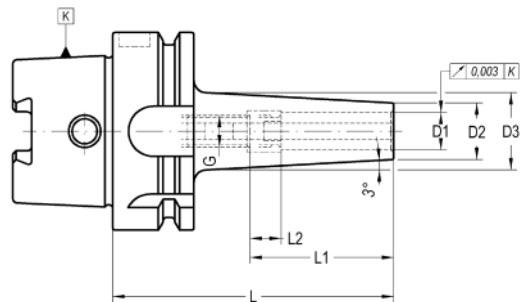
与 DIN 69882-8 型类似




	K	D1	D2	D3	L	L1	L2	G	COD.	Availability 库存状况	
	63	6	21	27	80	36	10	M-5	012 14 22 14 06	■	301 02 33 05 04
NEW!	63	6	21	27	120	36	10	M-5	012 14 22 24 06	□	301 02 33 05 04
NEW!	63	6	21	27	160	36	10	M-5	012 14 22 34 06	□	301 02 33 05 04
	63	8	21	27	80	36	10	M-6	012 14 22 14 08	■	301 02 33 06 04
NEW!	63	8	21	27	120	36	10	M-6	012 14 22 24 08	□	301 02 33 06 04
NEW!	63	8	21	27	160	36	10	M-6	012 14 22 34 08	□	301 02 33 06 04
	63	10	24	32	85	41	10	M-8	012 14 22 14 10	■	301 02 33 08 04
	63	10	24	32	120	41	10	M-8	012 14 22 24 10	■	301 02 33 08 04
NEW!	63	10	24	32	160	41	10	M-8	012 14 22 34 10	□	301 02 33 08 04
	63	12	24	32	90	46	10	M-10	012 14 22 14 12	■	301 02 33 10 04
NEW!	63	12	24	32	120	46	10	M-10	012 14 22 24 12	□	301 02 33 10 04
NEW!	63	12	24	32	160	46	10	M-10	012 14 22 34 12	□	301 02 33 10 04
	63	14	27	34	90	46	10	M-10	012 14 22 14 14	■	301 02 33 10 04
NEW!	63	14	27	34	160	46	10	M-10	012 14 22 34 14	□	301 02 33 10 04
	63	16	27	34	95	49	10	M-12	012 14 22 14 16	■	301 02 33 12 04
NEW!	63	16	27	34	120	49	10	M-12	012 14 22 24 16	□	301 02 33 12 04
NEW!	63	16	27	34	160	49	10	M-12	012 14 22 34 16	□	301 02 33 12 04
	63	18	33	42	95	49	10	M-12	012 14 22 14 18	■	301 02 33 12 04
NEW!	63	18	33	42	160	49	10	M-12	012 14 22 34 18	□	301 02 33 12 04
	63	20	33	42	100	51	10	M-16	012 14 22 14 20	■	301 02 33 16 04
NEW!	63	20	33	42	120	51	10	M-16	012 14 22 24 20	□	301 02 33 16 04
NEW!	63	20	33	42	160	51	10	M-16	012 14 22 34 20	□	301 02 33 16 04
	63	25	44	53	115	57	10	M-16	012 14 22 14 25	■	301 02 33 16 04
NEW!	63	25	44	53	160	57	10	M-16	012 14 22 34 25	□	301 02 33 16 04
	100	6	21	27	85	36	10	M-5	012 14 22 16 06	■	301 02 33 05 04
NEW!	100	6	21	27	200	36	10	M-5	012 14 22 46 06	□	301 02 33 05 04
	100	8	21	27	85	36	10	M-6	012 14 22 16 08	■	301 02 33 06 04
NEW!	100	8	21	27	200	36	10	M-6	012 14 22 46 08	□	301 02 33 06 04
	100	10	24	32	90	41	10	M-8	012 14 22 16 10	■	301 02 33 08 04
NEW!	100	10	24	32	200	41	10	M-8	012 14 22 46 10	□	301 02 33 08 04
	100	12	24	32	95	46	10	M-10	012 14 22 16 12	■	301 02 33 10 04
NEW!	100	12	24	32	200	46	10	M-10	012 14 22 46 12	□	301 02 33 10 04
	100	14	27	34	95	46	10	M-10	012 14 22 16 14	■	301 02 33 10 04
NEW!	100	14	27	34	200	46	10	M-10	012 14 22 46 14	□	301 02 33 10 04
	100	16	27	34	100	49	10	M-12	012 14 22 16 16	■	301 02 33 12 04
NEW!	100	16	27	34	200	49	10	M-12	012 14 22 46 16	□	301 02 33 12 04
	100	18	33	42	100	49	10	M-12	012 14 22 16 18	■	301 02 33 12 04
NEW!	100	18	33	42	200	49	10	M-12	012 14 22 46 18	□	301 02 33 12 04
	100	20	33	42	105	51	10	M-16	012 14 22 16 20	■	301 02 33 16 04
NEW!	100	20	33	42	200	51	10	M-16	012 14 22 46 20	□	301 02 33 16 04
	100	25	44	53	115	57	10	M-16	012 14 22 16 25	■	301 02 33 16 04
NEW!	100	25	44	53	200	57	10	M-16	012 14 22 46 25	□	301 02 33 16 04
	100	32	44	53	120	61	10	M-16	012 14 22 16 32	■	301 02 33 16 04
NEW!	100	32	44	53	200	61	10	M-16	012 14 22 46 32	□	301 02 33 16 04

Similar to DIN 69882-8

与 DIN 69882-8 型类似



K	D1	D2	D3	L	L1	L2	G	COD.	Availability 库存状况	
NEW! 40	3	8	14	80	-	10	-	012 14 32 12 03	■	-
NEW! 40	4	9	15	80	-	10	-	012 14 32 12 04	■	-
NEW! 40	5	10	16	80	20	10	-	012 14 32 12 05	■	-
NEW! 40	6	12	18	80	36	10	M-5	012 14 32 12 06	■	301 02 33 05 02
NEW! 40	8	14	20	80	36	10	M-6	012 14 32 12 08	■	301 02 33 06 02
NEW! 40	10	16	22	80	41	10	M-8	012 14 32 12 10	■	301 02 33 08 02
NEW! 40	12	18	24	80	46	10	M-10	012 14 32 12 12	■	301 02 33 10 02
63	3	8	14	80	20	-	-	012 14 32 14 03	■	-
63	3	8	14	120	20	-	-	012 14 32 24 03	■	-
63	3	8	21	160	-	-	-	012 14 32 34 03	■	-
63	4	9	15	80	20	-	-	012 14 32 14 04	■	-
63	4	9	15	120	20	-	-	012 14 32 24 04	■	-
63	4	9	22	160	-	-	-	012 14 32 34 04	■	-
63	5	10	16	80	25	-	-	012 14 32 14 05	■	-
63	5	10	16	120	25	-	-	012 14 32 24 05	■	-
63	5	10	23	160	-	-	-	012 14 32 34 05	■	-
63	6	12	18	80	36	10	M-5	012 14 32 14 06	■	301 02 33 05 02
63	6	12	18	120	36	10	M-5	012 14 32 24 06	■	301 02 33 05 02
63	6	12	25	160	36	14	M-5	012 14 32 34 06	■	301 02 33 05 02
63	8	14	20	80	36	10	M-6	012 14 32 14 08	■	301 02 33 06 02
63	8	14	20	120	36	10	M-6	012 14 32 24 08	■	301 02 33 06 02
63	8	14	27	160	36	10	M-6	012 14 32 34 08	■	301 02 33 06 02
63	10	16	20	85	41	10	M-8	012 14 32 14 10	■	301 02 33 08 02
63	10	16	20	120	41	10	M-8	012 14 32 24 10	■	301 02 33 08 02
63	10	16	29	160	41	10	M-8	012 14 32 34 10	■	301 02 33 08 02
63	12	18	22	90	46	10	M-10	012 14 32 14 12	■	301 02 33 10 02
63	12	18	22	120	46	10	M-10	012 14 32 24 12	■	301 02 33 10 02
63	12	18	31	160	46	10	M-10	012 14 32 34 12	■	301 02 33 10 02

Characteristics:

- Heat resistant hot working steel.
- Tempered: 54 -2 HRC.
- Taper manufactured according DIN-69893.
- Balanced according to ISO-1940-1 to G2,5 at 25.000 r.p.m.

Application:

- Machining where it requires a exceptional high accuracy.
- For a correct function it recommended:
- Shank tolerance: h6.
- D1 = 3, 4 & 5: Carbide
- D1 ≥ 6 mm: Carbide or HSS

Delivery:

- Coolant tube ordered separately.
- With built-in bored through stop screw.

特色:

- 使用耐热钢打造
- 回火: 54-2 HRC
- 锥头为DIN-69893型
- 根据ISO 1940-1 动平衡标准转速二万五千时为 G 2.5

应用:

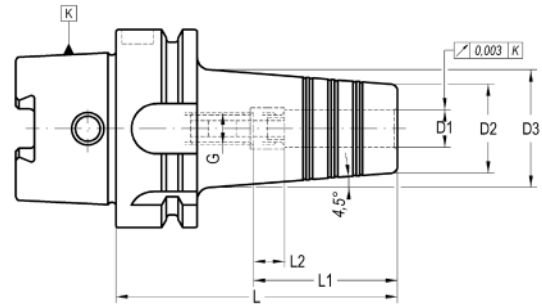
- 装设使用的跳动精度极高
- 使其正常运作应注意:
- 刀柄等级: h6
- D1 = 3, 4 & 5 mm: 碳化钢
- D1 ≥ 6 mm: 碳化钢 或 高速钢


配送:

- 冷却管需另外选购
- 内置冷却液槽锁紧螺钉

Similar to DIN 69882-8

与 DIN 69882-8 型类似



K	D1	D2	D3	L	L1	L2	G	COD.	Availability 库存状况	
63	12	27	37	90	46	10	M-10	012 14 42 14 12	■	301 02 33 10 02
63	16	33	43	95	49	10	M-12	012 14 42 14 16	■	301 02 33 12 02
63	20	44	53	100	51	10	M-16	012 14 42 14 20	■	301 02 33 16 02
63	25	48	53	115	57	10	M-16	012 14 42 14 25	■	301 02 33 16 02
NEW! 63	32	52	62	120	61	10	M-16	012 14 42 14 32	□	301 02 33 16 02
100	12	27	37	95	46	10	M-10	012 14 42 16 12	■	301 02 33 10 02
100	16	33	44	100	49	10	M-12	012 14 42 16 16	■	301 02 33 12 02
100	20	44	54	105	51	10	M-16	012 14 42 16 20	■	301 02 33 16 02
100	25	48	61	115	57	10	M-16	012 14 42 16 25	■	301 02 33 16 02

Characteristics:

- Heat resistant hot working steel.
- Tempered: 54-2 HRC.
- Taper manufactured according DIN-69893.
- Balanced according to ISO-1940-1 to G2,5 at 25.000 r.p.m.

Application:

- Machining where it requires a exceptional tool hold and high accuracy.
- Vibrations reductions due to hold section increase.
- For a correct function it recommended:
- Shank tolerance: h6.
- D1 = 3, 4 & 5: Carbide
- D1 ≥ 6 mm: Carbide or HSS

Delivery:

- Coolant tube ordered separately.
- With built-in bored through stop screw.

特色:

- 使用耐热钢打造
- 回火: 54-2 HRC
- 锥头为DIN-69893型
- 根据ISO 1940-1 动平衡标准转速二万五千时 G 2.5

应用:

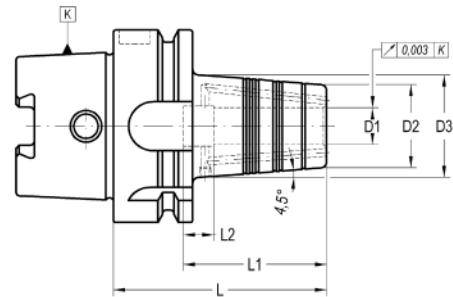
- 装设使用的跳动精度极高
- 特殊设计的夹持部分增强防震效果
- 使其正常运作应注意:
- 刀柄等级: h6
- D1 = 3, 4 & 5 mm: 碳化钢
- D1 ≥ 6 mm: 碳化钢 或 高速钢

配送:

- 冷却管需另外选购
- 内置冷却液槽锁紧螺钉

Similar to DIN 69882-8

与 DIN 69882-8 型类似



K	D1	D2	D3	L	L1	L2	COD.	Availability 库存状况
63	12	27	34	70	46	10	012 14 62 04 12	■
63	16	33	41	75	49	10	012 14 62 04 16	■
63	20	44	52	75	50	10	012 14 62 04 20	■
63	25	48	53	85	57	10	012 14 62 04 25	■
NEW! 63	32	52	60	120	61	10	012 14 62 04 32	■
100	12	27	33	75	44	10	012 14 62 06 12	■
100	16	33	40	80	49	10	012 14 62 06 16	■
100	20	44	52	80	49	10	012 14 62 06 20	■
100	25	48	56	90	57	10	012 14 62 06 25	■

Characteristics:

- Heat resistant hot-working steel.
- Tempered: 54 -2 HRC.
- Taper manufactured according DIN-69893.
- Balanced according to ISO-1940-1 to G2,5 at 25.000 r.p.m.

Application:

- Machining where it requires a exceptional tool hold and high accuracy.
- Vibrations reductions due to hold section increase.
- For a correct function it recommended:
- Shank tolerance: h6.
- D1 = 3, 4 & 5: Carbide
- D1 ≥ 6 mm: Carbide or HSS

Delivery:

- Coolant tube to be ordered separately.

特色:

- 使用耐热钢打造
- 回火: 54-2 HRC
- 锥头为DIN-69893 型
- 根据ISO 1940-1 动平衡标准转速二万五千时 G 2.5

应用:

- 装设使用的跳动精度极高
- 特殊设计的夹持部分增强防震效果
- 使其正常运作应注意:
- 刀柄等级: h6
- D1 = 3, 4 & 5 mm: 碳化钢
- D1 ≥ 6 mm: 碳化钢 或 高速钢

配送:

- 冷却管需另外选购

QUICK-CHANGE TAPPING CHUCKS

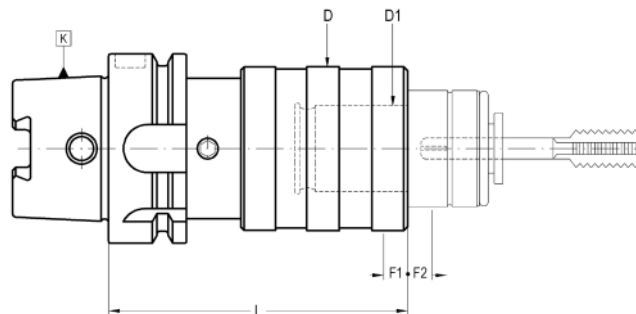
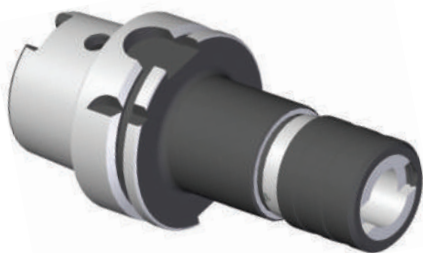
微调快换攻丝刀柄

019 14 52 ...



With self feed and compression system. For BILZ system tap adapter.

具备自动补偿系统，专为BILZ系统刀具设计。



K	Cap.	D1	L	D	F1	F2	COD.	Availability 库存状况
50	M3-M12 (M-16)*	19	116	36	7,5	7,5	019 14 52 03 02	■
63	M3-M12 (M-16)*	19	112	36	7,5	7,5	019 14 52 04 02	■
63	M8-M20 (M-30)*	31	145	53	12,5	12,5	019 14 52 04 03	■
80	M3-M12 (M-16)*	19	115	36	7,5	7,5	019 14 52 05 02	■
100	M3-M12 (M-16)*	19	130	36	7,5	7,5	019 14 52 06 02	■
100	M8-M20 (M-30)*	31	153	53	12,5	12,5	019 14 52 06 03	■
100	M14-M33 (M-48)*	48	215	78	20	20	019 14 52 06 04	■

- F1 Compression run

- F2 Extension run

* With 002 22 ... & 002 24 ... adapters

— F1 压缩长度

— F2 拉伸长度

* 与 002 22 ... & 002 24 ... 系列转换柄搭配使用

RELATIONATED ELEMENTS

Page: 262

相关配件



002 20 00 ...



002 21 ...



002 22 ...



002 23 ...

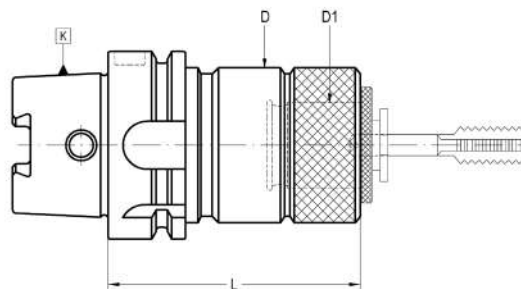


002 24 ...

019 14 53 ...

For synchronized feed control machines.

刚性控制攻丝机床专用



K	Cap.	D1	L	D	COD.	Availability 库存状况
NEW! 40	M3-M12 (M16)*	19	61	32	019 14 53 02 02	■
63	M3-M12 (M16)*	19	67	32	019 14 53 04 02	■
63	M8-M20 (M30)*	31	87	50	019 14 53 04 03	■
80	M3-M12 (M16)*	19	67	32	019 14 53 05 02	□
80	M8-M20 (M30)*	31	87	50	019 14 53 05 03	□
80	M14-M33 (M48)*	48	129	72	019 14 53 05 04	□
100	M3-M12 (M16)*	19	70	32	019 14 53 06 02	■
100	M8-M20 (M30)*	31	90	50	019 14 53 06 03	■
100	M14-M33 (M48)*	48	116	72	019 14 53 06 04	■

* With 002 22 Adapters.

- Coolant tube to be ordered separately.

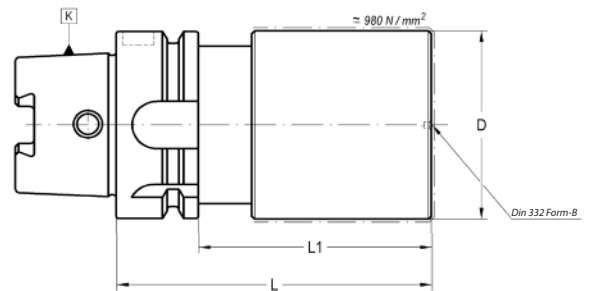
* 与 002 22 系列转换柄搭配使用
— 冷却管需另外选购

RELATIONATED ELEMENTS Page: 262

相关配件



002 20 00 ... 002 21 002 22

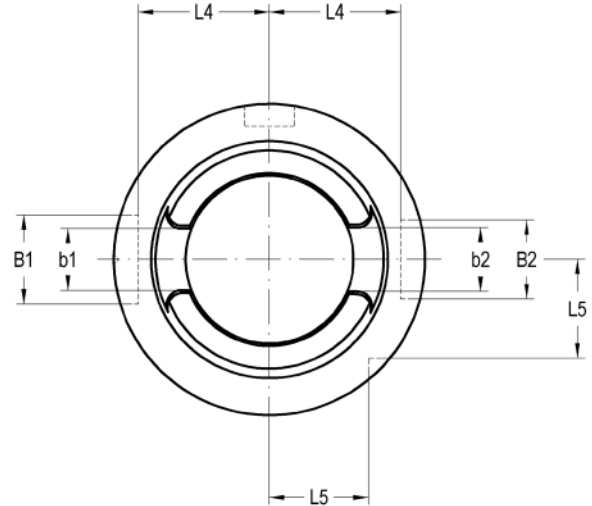
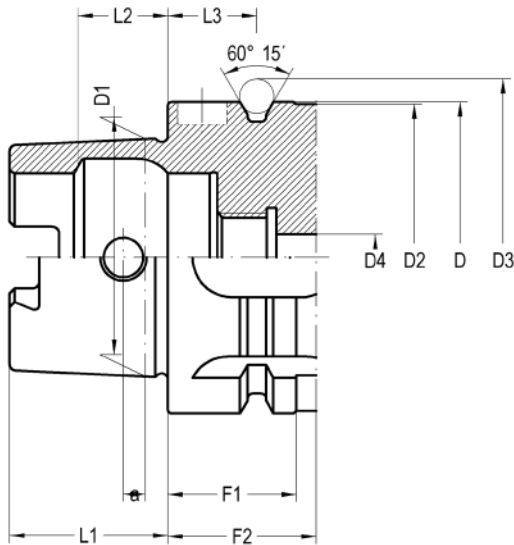


K	D	L	L1	COD.	Availability 库存状况
25	25	100	90	020 14 02 00 31	■
32	40	120	100	020 14 02 01 52	■
40	40	100	80	020 14 02 02 51	■
50	50	100	74	020 14 02 03 61	■
50	63	160	134	020 14 02 03 73	■
50	63	200	158	020 14 02 03 74	■
63	63	100	74	020 14 02 04 71	■
63	63	200	158	020 14 02 04 74	■
63	80	160	134	020 14 02 04 83	■
63	80	250	224	020 14 02 04 85	■
80	80	160	134	020 14 02 05 83	■
80	80	250	224	020 14 02 05 85	■
100	100	160	131	020 14 02 06 93	■
100	100	250	221	020 14 02 06 95	■
125	125	160	131	020 14 02 07 03	■

- The area of diameter D and length L1 has approximately 980N/mm².
 - Rest is hardened to 57 ÷ 60 HRC.
 - Other dimensions on request.

— 直径D与长度L1部分抗压强度约为 980N/mm²
 — 其他部分亦加强至洛氏硬度 57 ÷ 60 HRC
 — 如需其他尺寸请与我们联系

NEW!



ICTM	D h10	D1	D2 max.	D3 ^{-0,1}	b1 ^{+0,035} ₋₀	b2 ± 0,04	B1 H10	B2 H10	D4 max.
63	63	48,010	62	72,3	12,425	12,54	18	16	8,4
100	100	75,013	99	109,75	19,91	20,02	22	20	12

ICTM	L1 ^{-0,2}	L2 JS10	L3 ± 0,1	L4 ^{-0,2}	L5 ^{-0,3}	F1 ^{-0,1}	F2 min.	a
63	32	18,13	18	26,5	20	26	42	6,3
100	50	28,56	20	44	31,5	29	45	10

Material

Case-hardening alloy steel.
Case-hardened and tempered.
Minium strength in core 880 N/mm²
Surface hardness HRC 57 ÷ 60

材质

表面特殊处理过的合金钢
经过强化与回火
轴心最低抗压强度为 880 N/mm²
表面强度为洛氏硬度 HRC 57 ÷ 60



ICTM BORING BAR HOLDERS
ICTM 镗杆架

36



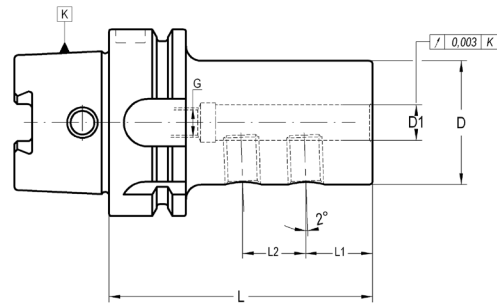
ICTM TOOLHOLDER BLANKS
ICTM 毛坯柄

36

ICTM BORING BAR HOLDERS

ICTM 镗杆架

005 24 55 ...

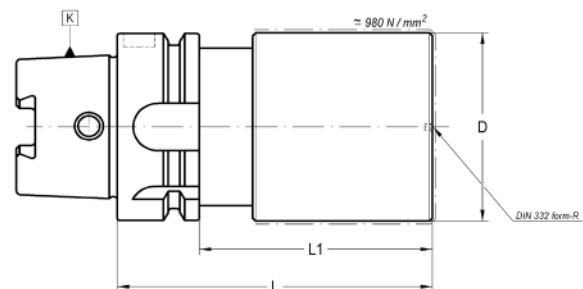


K	D1	L	D	L1	G	COD.	Availability 库存状况	
NEW! 63	8	65	28	65	M-8	005 24 55 04 08	■	301 01 03 08 10
NEW! 63	10	70	35	70	M-8	005 24 55 04 10	■	301 01 03 08 12
NEW! 63	12	70	42	70	M-8	005 24 55 04 12	■	301 01 03 08 12
NEW! 63	16	75	48	75	M-10	005 24 55 04 16	■	301 01 03 10 16
NEW! 63	20	75	52	75	M-10	005 24 55 04 20	■	301 01 03 10 16
NEW! 63	25	83	65	83	M-12	005 24 55 04 25	■	301 01 03 12 16
NEW! 63	32	87	62	87	M-12	005 24 55 04 32	■	301 01 03 12 16
NEW! 63	40	87	62	87	M-12	005 24 55 04 40	■	301 01 03 16 12

ICTM TOOLHOLDER BLANKS

ICTM 毛坯柄

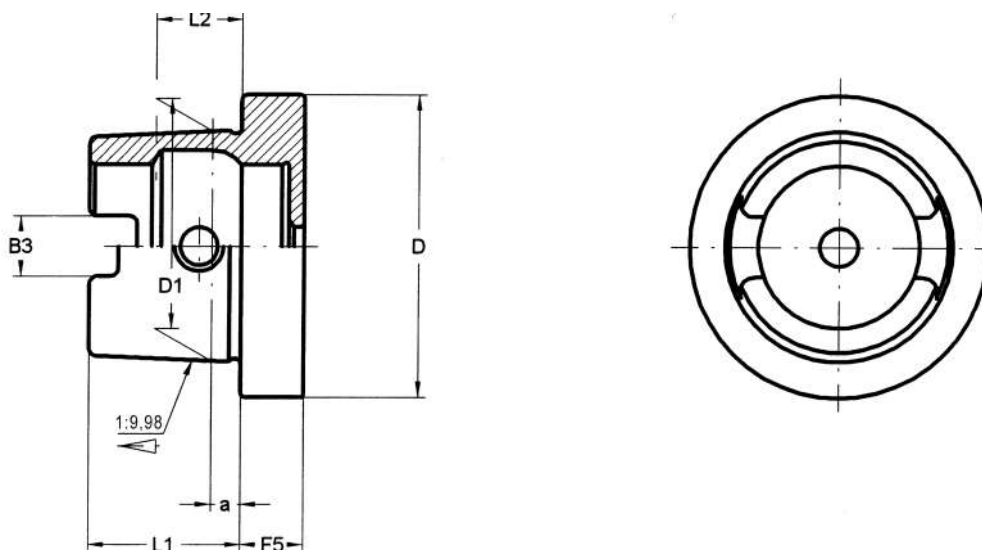
020 24 02 ...



K	D	L	L1	COD.	Availability 库存状况
63	63	140	114	020 24 02 04 13	■
63	108	140	114	020 24 02 04 43	■
NEW! 100	120	160	131	020 24 02 06 03	□

- The area of diameter D and length L1 has approximately 980N/mm².
 - Rest is hardened to 57 ÷ 60 HRC.
 - Other dimensions on request.

— 直径D与长度L1部分抗压强度约为 980N/mm²
 — 其他部分亦加强至洛氏硬度 57÷60 HRC
 — 如需其他尺寸请与我们联系

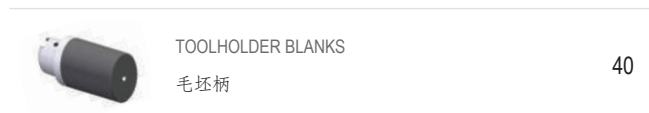
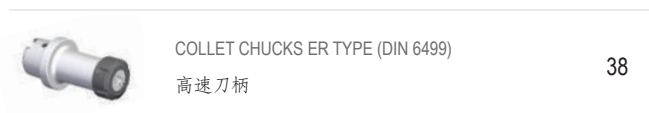


HSK	Dh10	D1	B3 ± 0,04	L1 -0,2	L2 JS10	F5 -0,1	a
25	25	19	6,05	13	7,21	8	2,5
32	32	24	7,05	16	8,92	10	3,2
40	40	30	8,05	20	11,42	10	4
50	50	38	10,54	25	14,13	12,5	5
63	63	48	12,54	32	18,13	12,5	6,3
80	80	60	16,04	40	22,85	16	8
100	100	75	20,02	50	28,56	16	10

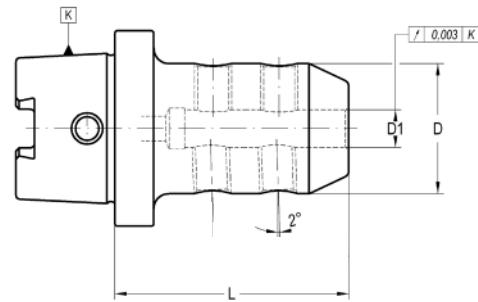
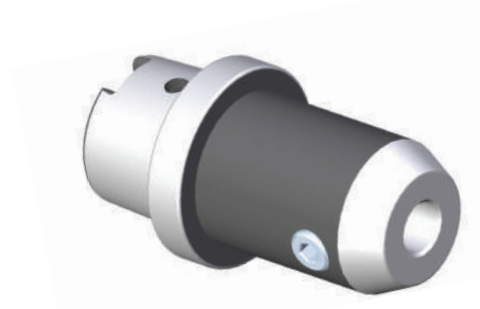
Material



Case-hardening alloy steel.
Case-hardened and tempered.
Minium strength in core 880 N/mm²
Surface hardness HRC 57 ÷ 60

材质
表面特殊处理过的合金钢
经过强化与回火
轴心最低抗压强度为 880 N/mm²
表面强度为洛氏硬度 HRC 57 ÷ 60



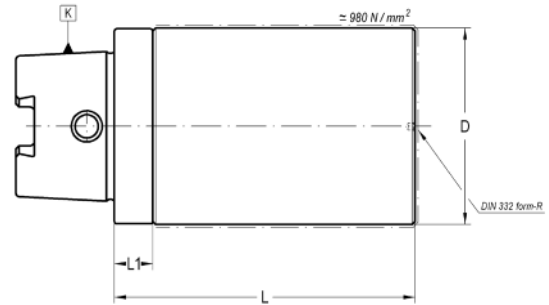
For end mills with shank DIN 1835-B / DIN 1835-E.
适用于 DIN 1835-B/DIN 1835-E 型直柄立铣刀



K	D1	L	D	G	COD.	Availability 库存状况		
32	6	60	25	M-5	012 16 04 11 06	<input type="checkbox"/>	301 02 33 05 01	301 01 05 06 10
32	8	60	28	M-6	012 16 04 11 08	<input type="checkbox"/>	301 02 33 06 01	301 01 05 08 10
32	10	65	35	M-8	012 16 04 11 10	<input type="checkbox"/>	301 02 33 08 01	301 01 05 10 12
40	6	60	25	M-5	012 16 04 12 06	<input type="checkbox"/>	301 02 33 05 01	301 01 05 06 10
40	8	60	28	M-6	012 16 04 12 08	<input type="checkbox"/>	301 02 33 06 01	301 01 05 08 10
40	10	65	35	M-8	012 16 04 12 10	<input type="checkbox"/>	301 02 33 08 01	301 01 05 10 12
40	12	70	42	M-10	012 16 04 12 12	<input type="checkbox"/>	301 02 33 10 01	301 01 05 12 16
40	14	70	44	M-10	012 16 04 12 14	<input type="checkbox"/>	301 02 33 10 01	301 01 05 12 16
40	16	75	48	M-12	012 16 04 12 16	<input type="checkbox"/>	301 02 33 12 01	301 01 05 14 16
50	6	60	25	M-5	012 16 04 13 06	<input type="checkbox"/>	301 02 33 05 02	301 01 05 06 10
50	8	60	28	M-6	012 16 04 13 08	<input type="checkbox"/>	301 02 33 06 02	301 01 05 08 10
50	10	65	35	M-8	012 16 04 13 10	<input type="checkbox"/>	301 02 33 08 01	301 01 05 10 12
50	12	75	42	M-10	012 16 04 13 12	<input type="checkbox"/>	301 02 33 10 01	301 01 05 12 16
50	14	75	44	M-10	012 16 04 13 14	<input type="checkbox"/>	301 02 33 10 01	301 01 05 12 16
50	16	80	48	M-12	012 16 04 13 16	<input type="checkbox"/>	301 02 33 12 01	301 01 05 14 16
50	18	80	50	M-12	012 16 04 13 18	<input type="checkbox"/>	301 02 33 12 01	301 01 05 14 16
50	20	80	52	M-16	012 16 04 13 20	<input type="checkbox"/>	301 02 33 16 01	301 01 05 16 16
63	6	60	25	M-5	012 16 04 14 06	<input type="checkbox"/>	301 02 33 05 02	301 01 05 06 10
63	8	60	28	M-6	012 16 04 14 08	<input type="checkbox"/>	301 02 33 06 02	301 01 05 08 10
63	10	65	35	M-8	012 16 04 14 10	<input type="checkbox"/>	301 02 33 08 01	301 01 05 10 12
63	12	75	42	M-10	012 16 04 14 12	<input type="checkbox"/>	301 02 33 10 01	301 01 05 12 16
63	14	75	44	M-10	012 16 04 14 14	<input type="checkbox"/>	301 02 33 10 01	301 01 05 12 16
63	16	80	48	M-12	012 16 04 14 16	<input type="checkbox"/>	301 02 33 12 01	301 01 05 14 16
63	18	80	50	M-12	012 16 04 14 18	<input type="checkbox"/>	301 02 33 12 01	301 01 05 14 16
63	20	80	52	M-16	012 16 04 14 20	<input type="checkbox"/>	301 02 33 16 01	301 01 05 16 16
63	25	95	65	M-20	012 16 04 14 25	<input type="checkbox"/>	301 02 33 20 01	301 01 05 18 20

- D1 ≥ 25 mm: two clamping holes.

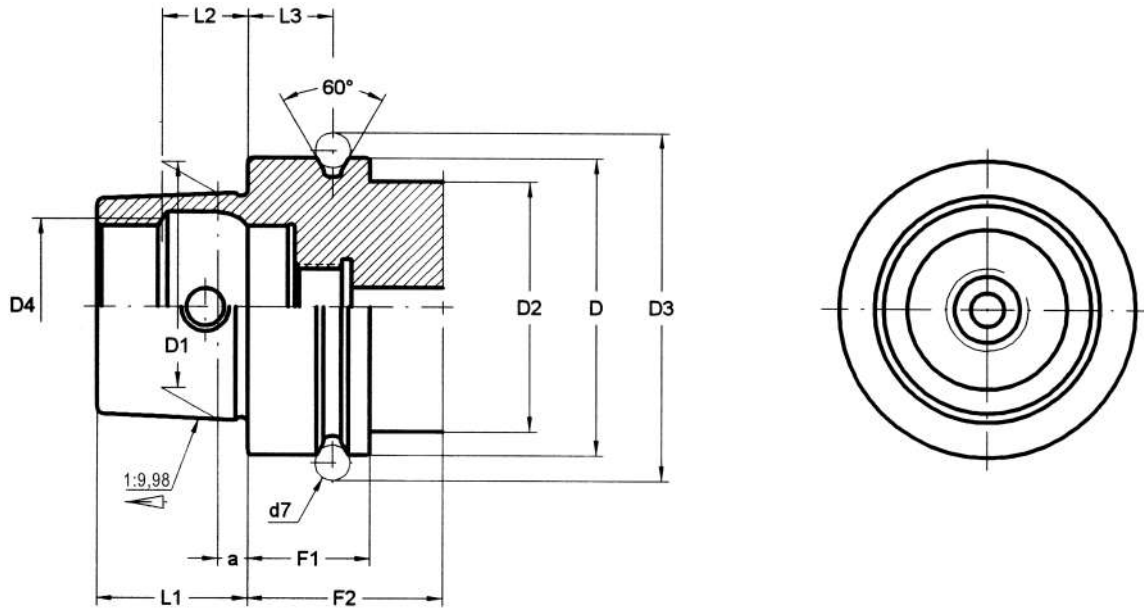
— D1 ≥ 25 mm : 两个刀具夹持孔



K	D	L	L1	COD.	Availability 库存状况
25	25	100	8	020 16 02 00 31	■
32	32	100	10	020 16 02 01 41	■
40	40	100	10	020 16 02 02 51	■
50	50	100	12,5	020 16 02 03 61	■
50	63	100	12,5	020 16 02 03 71	■
50	63	200	12,5	020 16 02 03 74	■
63	63	100	12,5	020 16 02 04 71	■
63	80	160	12,5	020 16 02 04 83	■
63	80	200	12,5	020 16 02 04 84	■
80	80	200	16	020 16 02 05 84	■
100	100	100	16	020 16 02 06 91	■

- The area of diameter D and length L1 has approximately 980N/2.
 - Rest is hardened to 57 ÷ 60 HRC.
 - Other dimensions on request.

— 直径D与长度L1部分抗压强度约为 980N/mm²
 — 其他部分亦加强至洛氏硬度 57 ÷ 60 HRC
 — 如需其他尺寸请与我们联系



K	Dh10	D1	D2 máx.	D3 ^{-0,1}	D4	L1 ^{-0,2}	L2 JS10	L3 ^{±0,1}	F1 ^{-0,1}	F2 mín.	d7	a
25	25	19	20	28,5	15	13	7,21	4,5	10	20	3	2,5
32	32	24	26	37	19	16	8,92	16	20	35	4	3,2
40	40	30	34	45	23	20	11,42	16	20	35	4	4
50	50	38	42	59,3	29	25	14,13	18	26	42	7	5
63	63	48	53	72,3	37	32	18,13	18	26	42	7	6,3

Material

Case-hardening alloy steel.
Case-hardened and tempered.
Minium strength in core 880 N/mm²
Surface hardness HRC 57 ÷ 60

材质

表面特殊处理过的合金钢
经过强化与回火
轴心最低抗压强度为 880 N/mm²
表面强度为洛氏硬度 HRC 57 ÷ 60



FRONT CONTACT ADAPTERS FOR SCREW IN TOOLS
螺纹连接刀柄 42



SHRINK FIT CHUCKS
热胀刀柄 46



COLLET CHUCKS ER TYPE (DIN 6499)
高速刀柄 43



SHRINK FIT CHUCKS - SLIM LINE -
热胀刀柄-超薄型 49



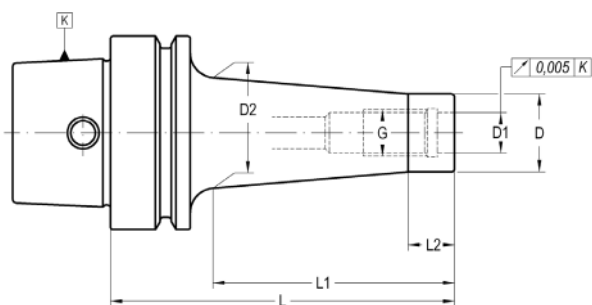
ZENTRO TYPE CHUCKS
真特罗.零动刀柄 44



TOOLHOLDER BLANKS
毛坯柄 50



WELDON HOLDERS
侧固式刀柄 45



K	G	D	D1	D2	L	L1	L2	COD.	Availability 库存状况
40	M-6	9,8	6,5	10	50	25	10	003 18 57 12 01	■
40	M-6	9,8	6,5	24	100	75	10	003 18 57 32 01	■
40	M-8	12,8	8,5	16	50	25	10	003 18 57 12 02	■
40	M-8	12,8	8,5	24	100	75	10	003 18 57 32 02	■
50	M-6	9,8	6,5	12	55	25	10	003 18 57 13 01	■
50	M-6	9,8	6,5	20	105	75	10	003 18 57 33 01	■
50	M-8	12,8	8,5	16	55	25	10	003 18 57 13 02	■
50	M-8	12,8	8,5	24	105	75	10	003 18 57 33 02	■
50	M-10	17,8	10,5	20	55	25	10	003 18 57 13 03	■
50	M-10	17,8	10,5	28	105	75	10	003 18 57 33 03	□

- Balanced according to ISO 1940-1 up to 25.000 r.p.m.
 - We have latest methods for dynamic balancing up to 50.000 r.p.m.
 - Coolant tube to be ordered separately.

— 根据ISO 1940-1 动平衡标准可达转速二万五千
 — 我们的最新技术可将动平衡调整至高达转速五万
 — 冷却管需另外选购



COLLET CHUCKS ER TYPE (DIN 6499)

高速刀柄

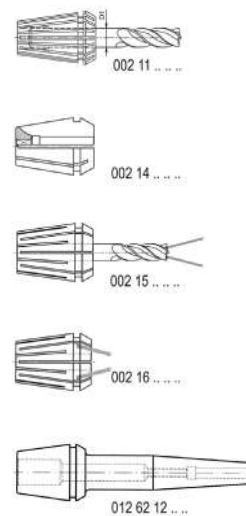
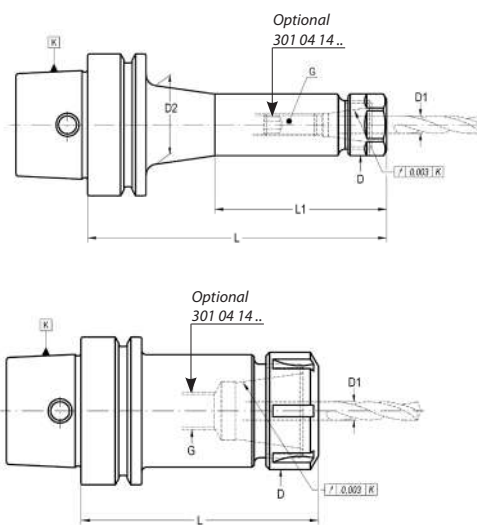


004 18 06 ...

For tools with cylindrical straight shank DIN 1835-A.

适用于DIN 1835-A 型滑面直柄刀具

DIN 69882-6



K	Size	D1	L	D	G	COD.	Availability 库存状况
NEW! 25	(ER11) Mini	0,5 - 7	45	16	-	004 18 06 00 02	■
25	(ER16) Mini	0,5 - 10	60	22	M-8	004 18 06 00 03	■
25	(ER16) Mini	0,5 - 10	45	22	M-8	004 18 06 00 13	■
32	(ER16)	0,5 - 10	80	28	M-8	004 18 06 01 03	■
NEW! 40	(ER11) Mini	0,5 - 7	60	16	-	004 18 06 02 02	■
40	(ER16)	0,5 - 10	80	28	M-10	004 18 06 02 03	■
40	(ER25)	1-16	80	42	M-10	004 18 06 02 05	■
40	(ER32)	2-20	100	50	M-16	004 18 06 02 06	■
50	(ER16)	0,5 - 10	80	28	M-10	004 18 06 03 03	■
50	(ER25)	1-16	80	42	M-10	004 18 06 03 05	■
50	(ER32)	2-20	100	50	M-16	004 18 06 03 06	■
63	(ER16)	0,5 - 10	80	28	M-10	004 18 06 04 03	■
63	(ER25)	1-16	80	42	M-10	004 18 06 04 05	■
63	(ER32)	2-20	100	50	M-16	004 18 06 04 06	■

RELATIONATED ELEMENTS Page: 254

相关配件



CHUCK BODY BALANCED TO:					刀柄本体平衡等级:				
HSK 25	HSK 32	HSK 40	HSK 50	HSK 63	HSK 25	HSK 32	HSK 40	HSK 50	HSK 63
G 2,5	G 2,5	G 2,5	G 2,5	G 2,5	G 2,5	G 2,5	G 2,5	G 2,5	G 2,5
40.000	30.000	25.000	25.000	25.000	40.000	30.000	25.000	25.000	25.000

ACCESSORIES INCLUDED

出货包含配件

Conventional 标准螺帽	Bearing shell nut 轴承滚珠螺帽	Notch free 无风阻螺帽	Mini 迷你型螺帽
ER 16 004 99 01 08 03	ER 16 004 99 01 04 03	ER 16 004 99 01 10 03	ER mini 8 004 99 01 06 01
ER 25 004 99 01 03 05	ER 25 004 99 01 04 05	ER 25 004 99 01 10 05	ER mini 11 004 99 01 06 02
ER 32 004 99 01 03 06	ER 32 004 99 01 04 06	ER 32 004 99 01 10 06	ER mini 16 004 99 01 06 03

OPTIONAL ACCESSORIES

选购配件

ER Mini 迷你型螺帽 8 004 99 04 05 01	ER 16 004 99 04 06 25	ER 16 004 99 04 07 30
11 004 99 04 05 02		
16 004 99 04 05 03		
301 04 14 ...	ER 25 004 99 04 03 05	ER 32 004 99 04 03 06
		004 99 04 07 40
		004 99 04 07 50

ZENTRO TYPE CHUCKS

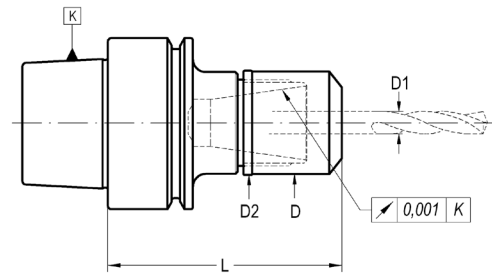
真特罗.零动刀柄

004 18 16 ...



For tools with cylindrical straight shank DIN 1835-A.

适用于DIN 1835-A 型滑面直柄刀具



K	Size	D1	L	D	D2	COD.	Availability 库存状况
40	ZR11 (Mini)	0,5 - 7	50	16	-	004 18 16 12 02	■
40	ZR16 (Mini)	0,5 - 10	55	24	24,4	004 18 16 12 03	■
40	ZR25	1 - 16	60	40	40,4	004 18 16 02 05	■

RELATIONATED ELEMENTS Page: 253

相关配件



002 11 0..... 002 14 002 15 002 16 012 62 12....

ACCESSORIES INCLUDED

出货包含配件

Notch free
滑面螺母



ZER
11 Mini 004 99 01 16 12
16 Mini 004 99 01 16 13
25 004 99 01 16 05

ACCESORIOS OPCIONALES

选购配件



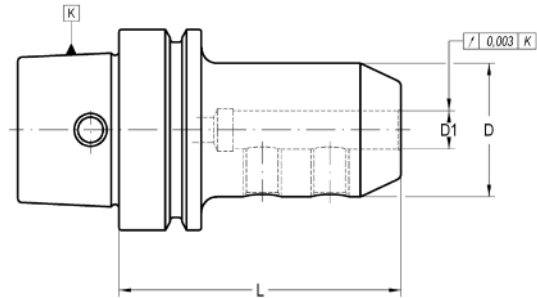
004 99 04 07 16




301 04 14....

For end mills with shank DIN 1835-B - DIN 6535 HB.

适用于DIN 1835-B DIN 6335 HB 型直柄立铣刀



K	D1	L	D	COD.	Availability 库存状况	
25	6	50	25	012 18 01 10 06	■	301 01 05 06 10
25	8	50	28	012 18 01 10 08	■	301 01 05 08 10
40	6	60	25	012 18 01 12 06	■	301 01 05 06 10
40	8	60	28	012 18 01 12 08	■	301 01 05 08 10
40	10	60	35	012 18 01 12 10	■	301 01 05 10 12
40	12	70	42	012 18 01 12 12	■	301 01 05 12 16
40	14	75	44	012 18 01 12 14	■	301 01 05 12 16
40	16	75	48	012 18 01 12 16	■	301 01 05 14 16
50	6	65	25	012 18 01 13 06	□	301 01 05 06 10
50	8	65	28	012 18 01 13 08	□	301 01 05 08 10
50	10	80	35	012 18 01 13 10	□	301 01 05 10 12
50	12	80	42	012 18 01 13 12	□	301 01 05 12 16
50	14	80	44	012 18 01 13 14	□	301 01 05 12 16
50	16	80	48	012 18 01 13 16	□	301 01 05 14 16
50	18	80	50	012 18 01 13 18	□	301 01 05 14 16
50	20	80	52	012 18 01 13 20	□	301 01 05 16 16
63	6	65	25	012 18 01 14 06	□	301 01 05 06 10
63	8	65	28	012 18 01 14 08	□	301 01 05 08 10
63	10	65	35	012 18 01 14 10	□	301 01 05 10 12
63	12	80	42	012 18 01 14 12	□	301 01 05 12 16
63	14	80	44	012 18 01 14 14	□	301 01 05 12 16
63	16	80	48	012 18 01 14 16	□	301 01 05 14 16
63	18	80	50	012 18 01 14 18	□	301 01 05 14 16
63	20	80	52	012 18 01 14 20	□	301 01 05 16 16
63	25	110	65	012 18 01 14 25	□	301 01 05 18 20

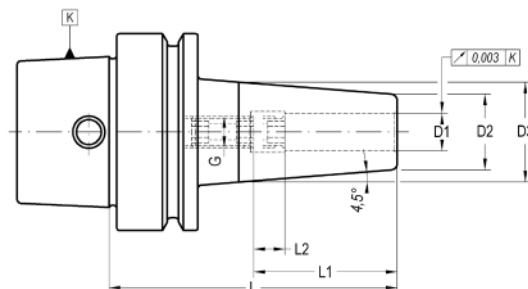
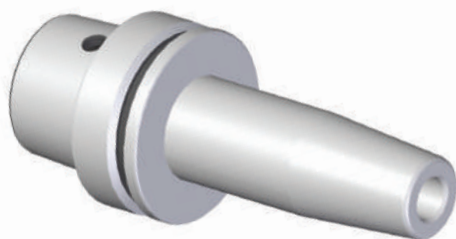
- Balanced according to ISO 1940-1 up to 10.000 r.p.m.


- We have latest methods for dynamic balancing up to 50.000 r.p.m.


— 根据ISO 1940-1 动平衡标准可达转速一万
— 我们的最新技术可将动平衡调整至高达五万


OPTIONAL: On request, supplied with cooling slots.

选购：可根据客户需求提供冷却槽



K	D1	D2	D3	L1	L2	G	L	COD.	Availability 库存状况	
25	3	12	17,5	15	-	-	45	012 18 12 00 03	■	-
25	4	12	17,5	15	-	-	45	012 18 12 00 04	■	-
25	6	12	17,5	20	-	-	45	012 18 12 00 06	■	-
25	6	12	20	36	10	M-5	70	012 18 12 10 06	■	301 02 33 05 42
25	8	14	20	36	10	M-6	70	012 18 12 10 08	■	301 02 33 06 12
25	10	16	20	41	10	M-8	70	012 18 12 10 10	■	301 02 33 08 12
32	3	12	18	20	5	M-5	60	012 18 12 11 03	■	301 02 33 05 12
32	4	14	20	20	5	M-5	60	012 18 12 11 04	■	301 02 33 05 22
32	5	16	22	25	5	M-5	60	012 18 12 11 05	■	301 02 33 05 32
32	6	21	22	36	10	M-5	70	012 18 12 11 06	■	301 02 33 05 02
32	8	21	26	36	10	M-6	70	012 18 12 11 08	■	301 02 33 06 12
32	10	24	29	41	10	M-8	75	012 18 12 11 10	■	301 02 33 08 12
32	12	24	29	46	10	M-10	80	012 18 12 11 12	■	301 02 33 10 12
40	3	12	18	15	-	-	60	012 18 12 02 03	■	-
40	3	12	18	20	-	-	120	012 18 12 22 03	■	-
40	4	14	20	20	-	-	60	012 18 12 02 04	■	-
40	4	14	20	20	-	-	120	012 18 12 22 04	■	-
40	5	14	20	20	-	-	60	012 18 12 02 05	■	-
40	5	16	22	25	-	-	120	012 18 12 22 05	■	-
40	6	21	27	22	-	-	60	012 18 12 02 06	■	-
40	6	21	27	36	10	M-5	80	012 18 12 12 06	■	301 02 33 05 02
40	6	21	27	36	10	M-5	120	012 18 12 22 06	■	301 02 33 05 02
40	8	21	27	26	-	-	60	012 18 12 02 08	■	-
40	8	21	27	36	10	M-6	80	012 18 12 12 08	■	301 02 33 06 02
40	8	21	27	36	10	M-6	120	012 18 12 22 08	■	301 02 33 06 02
40	10	24	32	29	-	-	60	012 18 12 02 10	■	-
40	10	24	32	41	10	M-8	80	012 18 12 12 10	■	301 02 33 08 12
40	10	24	32	41	10	M-8	120	012 18 12 22 10	■	301 02 33 08 02
40	12	24	32	46	-	-	60	012 18 12 02 12	■	-
40	12	24	32	46	10	M-10	90	012 18 12 12 12	■	301 02 33 10 02
40	12	24	32	46	10	M-10	120	012 18 12 22 12	■	301 02 33 10 02
40	14	27	34	46	-	-	60	012 18 12 02 14	■	-
40	14	27	34	46	10	M-10	90	012 18 12 12 14	■	301 02 33 10 02
40	14	27	34	46	10	M-10	120	012 18 12 22 14	■	301 02 33 10 02
40	16	27	34	49	-	-	60	012 18 12 02 16	■	-
40	16	27	34	49	10	M-12	90	012 18 12 12 16	■	301 02 33 12 12
40	16	27	34	49	10	M-12	120	012 18 12 22 16	■	301 02 33 12 12

K	D1	D2	D3	L1	L2	G	L	COD.	Availability 库存状况	
50	3	12	18	15	-	-	65	012 18 12 03 03	■	-
50	3	12	18	20	-	-	120	012 18 12 23 03	■	-
50	4	14	20	15	-	-	65	012 18 12 03 04	■	-
50	4	14	20	20	-	-	120	012 18 12 23 04	■	-
50	5	14	22	20	-	-	65	012 18 12 03 05	■	-
50	5	16	22	20	-	-	120	012 18 12 23 05	■	-
50	6	21	27	23	-	-	65	012 18 12 03 06	■	-
50	6	21	27	36	10	M-5	80	012 18 12 13 06	■	301 02 33 05 02
50	6	21	27	36	10	M-5	120	012 18 12 23 06	■	301 02 33 05 02
50	8	21	27	26	-	-	65	012 18 12 03 08	■	-
50	8	21	27	36	10	M-6	80	012 18 12 13 08	■	301 02 33 06 02
50	8	21	27	36	10	M-6	120	012 18 12 23 08	■	301 02 33 06 02
50	10	24	32	31	-	-	65	012 18 12 03 10	■	-
50	10	24	32	41	10	M-8	80	012 18 12 13 10	■	301 02 33 08 02
50	10	24	32	41	10	M-8	120	012 18 12 23 10	■	301 02 33 08 02
50	12	24	32	36	-	-	65	012 18 12 03 12	■	-
50	12	24	32	46	10	M-10	90	012 18 12 13 12	■	301 02 33 10 12
50	12	24	32	46	10	M-10	120	012 18 12 23 12	■	301 02 33 10 02
50	14	27	34	36	-	-	65	012 18 12 03 14	■	-
50	14	27	34	46	10	M-10	90	012 18 12 13 14	■	301 02 33 10 12
50	14	27	34	46	10	M-10	120	012 18 12 23 14	■	301 02 33 10 12
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50	16	27	34	49	10	M-12	95	012 18 12 13 16	■	301 02 33 12 02
50	16	27	34	49	10	M-12	120	012 18 12 23 16	■	301 02 33 12 02
50	18	33	42	49	10	M-12	95	012 18 12 13 18	■	301 02 33 12 02
50	20	33	42	51	10	M-16	100	012 18 12 13 20	■	301 02 33 16 02
63	3	12	18	20	5	M-5	80	012 18 12 14 03	■	301 02 33 05 02
63	3	12	18	20	-	-	120	012 18 12 24 03	■	-
63	4	14	20	20	5	M-5	80	012 18 12 14 04	■	301 02 33 05 22
63	4	14	20	20	-	-	120	012 18 12 24 04	■	-
63	5	16	22	25	5	M-5	80	012 18 12 14 05	■	301 02 33 05 22
63	5	16	22	25	-	-	120	012 18 12 24 05	■	-
63	6	21	27	36	10	M-5	80	012 18 12 14 06	■	301 02 33 05 02
63	6	21	27	36	10	M-5	120	012 18 12 24 06	■	301 02 33 05 02
63	6	21	27	36	10	M-5	160	012 18 12 34 06	■	301 02 33 05 02
63	8	21	27	36	10	M-6	80	012 18 12 14 08	■	301 02 33 06 02
63	8	21	27	36	10	M-6	120	012 18 12 24 08	■	301 02 33 06 02
63	8	21	27	36	10	M-6	160	012 18 12 34 08	■	301 02 33 06 02
63	10	24	32	41	10	M-8	85	012 18 12 14 10	■	301 02 33 08 02
63	10	24	32	41	10	M-8	120	012 18 12 24 10	■	301 02 33 08 02
63	10	24	32	41	10	M-8	160	012 18 12 34 10	■	301 02 33 08 02
63	12	24	32	46	10	M-10	85	012 18 12 14 12	■	301 02 33 10 02
63	12	24	32	46	10	M-10	120	012 18 12 24 12	■	301 02 33 10 02
63	12	24	32	46	10	M-10	160	012 18 12 34 12	■	301 02 33 10 02
63	14	27	34	46	10	M-10	90	012 18 12 14 14	■	301 02 33 10 02
63	14	27	34	46	10	M-10	120	012 18 12 24 14	■	301 02 33 10 02
63	14	27	34	46	10	M-10	160	012 18 12 34 14	■	301 02 33 10 02
63	16	27	34	49	10	M-12	90	012 18 12 14 16	■	301 02 33 12 02
63	16	27	34	49	10	M-12	120	012 18 12 24 16	■	301 02 33 12 02
63	16	27	34	49	10	M-12	160	012 18 12 34 16	■	301 02 33 12 02

K	D1	D2	D3	L1	L2	G	L	COD.	Availability 库存状况	
63	18	33	42	49	10	M-12	95	012 18 12 14 18	■	301 02 33 12 02
63	20	33	42	51	10	M-16	100	012 18 12 14 20	■	301 02 33 16 02

Characteristics:

- Heat resistant hot working steel.
- Tempered: 54 -2 HRC.
- Taper manufactured according DIN-69893.
- Balanced according to ISO-1940-1 to G2,5 at 25.000 r.p.m.

Application:

- Machining where it requires a exceptional high accuracy.
- For a correct function it recommended:

Shank tolerance: h6.

D1 = 3, 4 & 5: Carbide

D1 ≥ 6 mm: Carbide or HSS

Delivery:

- Coolant tube ordered separately.
- With built-in bored through stop screw.

特色:

- 使用耐热钢打造
- 回火：54-2 HRC
- 锥头为DIN-69893 型
- 根据ISO 1940-1 动平衡标准转速二万五千时为 G 2.5

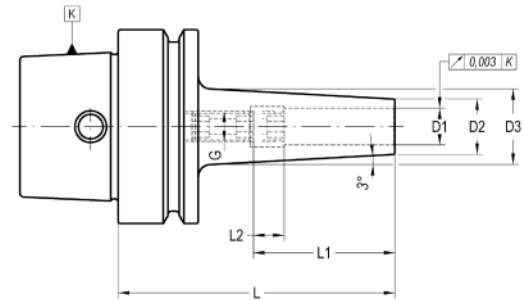
应用:


- 装设使用的跳动精度极高
 - 使其正常运作应注意:
- 刀柄等级: h6
D1 = 3, 4 & 5 mm: 碳化钢
D1 ≥ 6 mm: 碳化钢 或 高速钢

配送:

- 冷却管需另外选购
- 内置冷却液槽锁紧螺钉

DIN 69882-8



	K	D1	D2	D3	L1	L2	L	G	COD.	Availability 库存状况	
NEW!	25	3	8	16	15	-	60	-	012 18 12 10 03	■	-
NEW!	25	4	9	17	15	-	60	-	012 18 12 10 04	■	-
NEW!	25	5	10	18	20	-	60	-	012 18 12 10 05	■	-
	40	3	8	14	20	5	80	-	012 18 32 12 03	■	-
	40	4	9	15	20	5	80	-	012 18 32 12 04	■	-
	40	5	10	16	25	5	80	-	012 18 32 12 05	■	-
	40	6	12	18	36	10	80	M-5	012 18 32 12 06	■	301 02 33 05 02
	40	8	14	20	36	10	80	M-6	012 18 32 12 08	■	301 02 33 06 02
	40	10	16	22	41	10	80	M-8	012 18 32 12 10	■	301 02 33 08 12
	50	3	8	14	20	5	80	-	012 18 32 13 03	■	-
	50	4	9	15	20	5	80	-	012 18 32 13 04	■	-
	50	5	10	16	25	5	80	-	012 18 32 13 05	■	-
	50	6	12	18	36	10	80	M-5	012 18 32 13 06	■	301 02 33 05 02
	50	8	14	20	36	10	80	M-6	012 18 32 13 08	■	301 02 33 06 02
	50	10	16	22	41	10	80	M-8	012 18 32 13 10	■	301 02 33 08 12

Characteristics:

- Heat resistant hot working steel.
- Tempered: 54-2 HRC.
- Taper manufactured according DIN-69893.
- Balanced according to ISO-1940-1 to G2,5 at 25.000 r.p.m.

Application:

- Machining where it requires a exceptional high accuracy.
 - For a correct function it recommended:
- Shank tolerance: h6.
D1 = 3, 4 & 5: Carbide
D1 ≥ 6 mm: Carbide or HSS

Delivery:

- Coolant tube ordered separately.
- With built-in bored through stop screw.

特色:

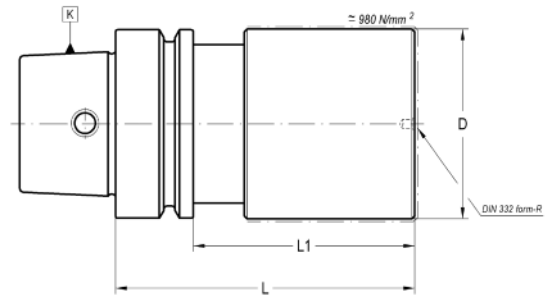
- 使用耐热钢打造
- 回火: 54-2 HRC
- 锥头为DIN-69893 型
- 根据ISO 1940-1 动平衡标准转速二万五千时为 G 2.5

应用:

- 装设使用的跳动精度极高
 - 使其正常运作应注意:
- 刀柄等级: h6
D1 = 3, 4 & 5 mm: 碳化钢
D1 ≥ 6 mm: 碳化钢 或 高速钢

配送:

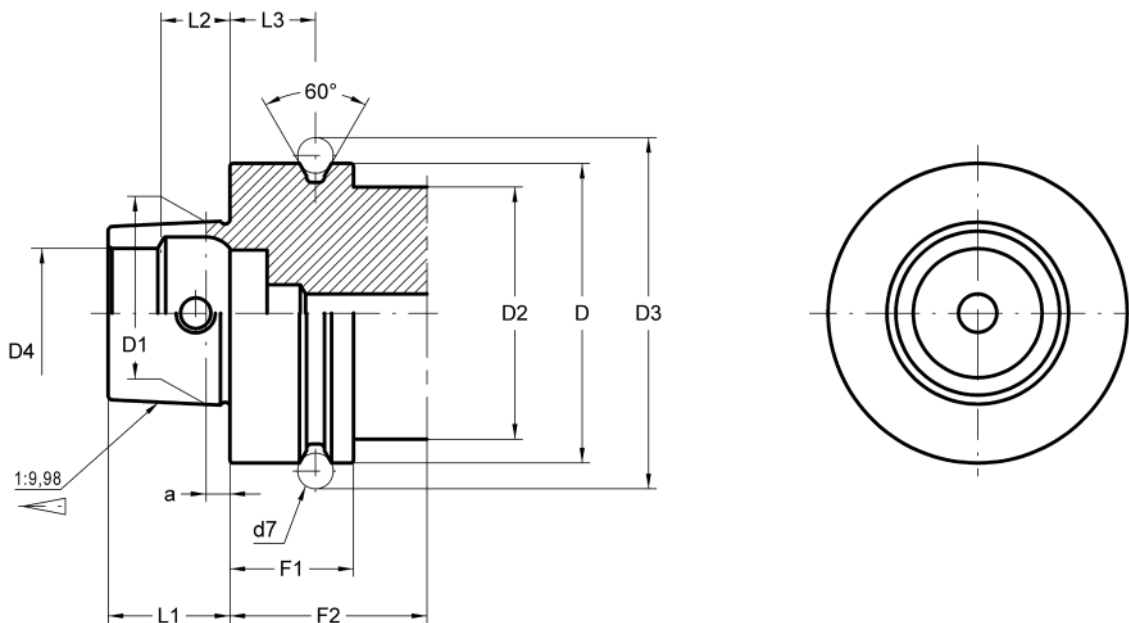
- 冷却管需另外选购
- 内置冷却液槽锁紧螺钉



K	D	L	L1	COD.	Availability 库存状况
25	25	100	80	020 18 02 00 31	■
32	32	100	80	020 18 02 01 41	■
40	40	100	80	020 18 02 02 51	■
50	50	100	74	020 18 02 03 61	■
63	63	100	74	020 18 02 04 71	■

- The area of diameter D and length L1 has approximately 980N/mm².
 - Rest is hardened to 57 ÷ 60 HRC.
 - Other dimensions on request.

— 直径D与长度L1部分抗压强度约为 980N/mm²
 — 其他部分亦加强至洛氏硬度 57 ÷ 60 HRC
 — 如需其他尺寸请与我们联系



HSK	Dh10	D1	D2máx.	D3 ^{-0,1}	D4	L1 ^{-0,2}	L2 JS10	L3 ^{±0,04}	F1 ^{-0,1}	F2mín.	d7	a
63	63	38	53	72,3	26	25	14,13	18	26	42	7	5

Material

Case-hardening alloy steel.
 Case-hardened and tempered.
 Minimum strength in core 880 N/mm²
 Surface hardness HRC 57 ÷ 60

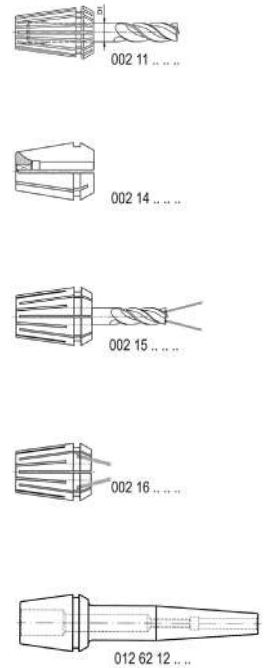
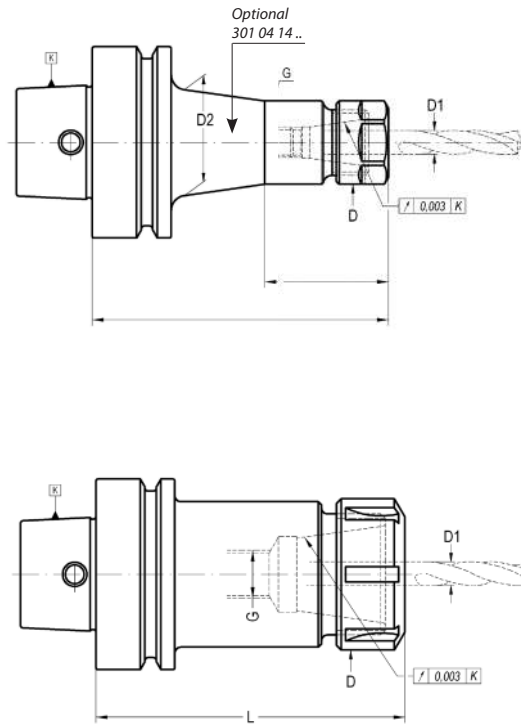
材质
 表面特殊处理过的合金钢
 经过强化与回火
 轴心最低抗压强度为 880 N/mm²
 表面强度为洛氏硬度 HRC 57 ÷ 60

	COLLET CHUCKS ER TYPE (DIN 6499) 高速刀柄	52
	SHRINK FIT CHUCKS 热胀刀柄	53

	TOOLHOLDER BLANKS 毛坯柄	54
--	--------------------------	----

For tools with cylindrical straight shank DIN 1835-A.

适用于DIN 1835-A 型滑面直柄刀具



K	Size	D1	L	D	G	COD.	Availability 库存状况
63	(ER16)	0,5 - 10	80	28	M-10	004 19 06 04 03	■
63	(ER25)	1-16	80	42	M-10	004 19 06 04 05	■
63	(ER32)	2-20	100	50	M-16	004 19 06 04 06	■

RELATED ELEMENTS Page: 254
相关配件



CHUCK BODY BALANCED TO:
刀柄本体平衡等级:

HSK 63

G 2,5
25.000

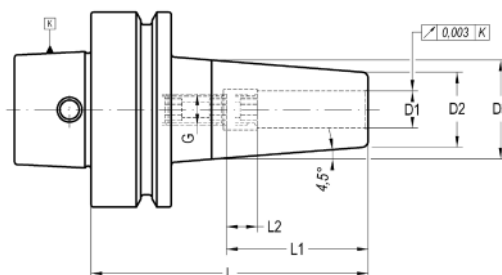
ACCESSORIES INCLUDED
出货包含配件


Conventional 标准螺帽	Bearing shell nut 轴承滚珠螺帽	Notch free 无风阻螺帽	Mini 迷你型螺帽
ER 16 004 99 01 08 03	ER 16 004 99 01 04 03	ER 16 004 99 01 10 03	ER mini 004 99 01 06 03
ER 25 004 99 01 03 05 ER 32 004 99 01 03 06	ER 25 004 99 01 04 05 ER 32 004 99 01 04 06	ER 25 004 99 01 10 05 ER 32 004 99 01 10 06	

OPTIONAL ACCESSORIES
选购配件

ER Mini 迷你型螺帽			
ER 16 004 99 04 05 03	ER 16 004 99 04 06 25	004 99 04 07 30	
301 04 14 ...	ER 25 004 99 04 03 05 ER 32 004 99 04 03 06	004 99 04 07 40 004 99 04 07 50	

DIN 69882-8



K	D1	D2	D3	L	L1	L2	G	COD.	Availability 库存状况	
63	3	12	18	80	20	-	-	012 19 12 14 03	■	-
63	4	14	20	80	20	-	-	012 19 12 14 04	■	-
63	5	16	22	80	25	-	-	012 19 12 14 05	■	-
63	6	21	27	80	36	10	M-5	012 19 12 14 06	■	301 02 33 05 02
63	8	21	27	80	36	10	M-6	012 19 12 14 08	■	301 02 33 06 02
63	10	24	32	85	42	10	M-8	012 19 12 14 10	■	301 02 33 08 12
63	12	24	32	90	47	10	M-10	012 19 12 14 12	■	301 02 33 10 12
63	14	27	34	90	47	10	M-10	012 19 12 14 14	■	301 02 33 10 12
63	16	27	34	95	50	10	M-12	012 19 12 14 16	■	301 02 33 12 02

Characteristics:

- Heat resistant hot working steel.
- Tempered: 54-2 HRC.
- Taper manufactured according DIN-69893.
- Balanced according to ISO-1940-1 to G2,5 at 25.000 r.p.m.

Application:

- Machining where it requires an exceptional high accuracy.
- For a correct function it is recommended:

Shank tolerance: h6.

D1 = 3, 4 & 5: Carbide

D1 ≥ 6 mm: Carbide or HSS

Delivery:

- With built-in bored through stop screw.

特色:

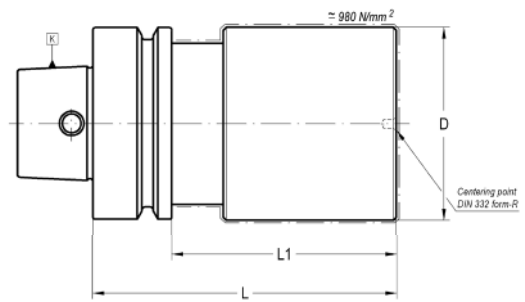
- 使用耐热钢打造
- 回火: 54-2 HRC
- 锥头为DIN-69893型
- 根据ISO 1940-1 动平衡标准转速二万五千时 G 2.5

应用:

- 装设使用的跳动精度极高
 - 使其正常运作应注意:
- 刀柄等级: h6
D1 = 3, 4 & 5 mm: 碳化钢
D1 ≥ 6 mm: 碳化钢 或 高速钢

配送:

- 内置冷却液槽锁紧螺钉



K	D	L	L1	COD.	Availability 库存状况
63	63	100	74	020 19 02 04 71	■

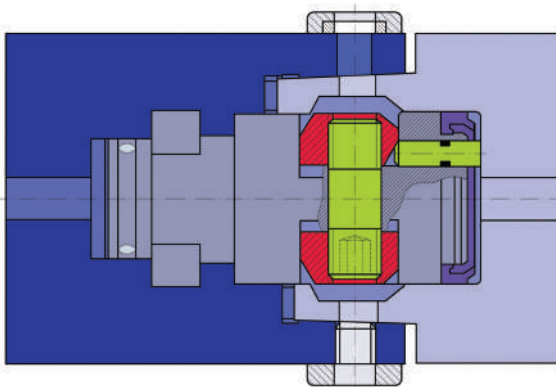
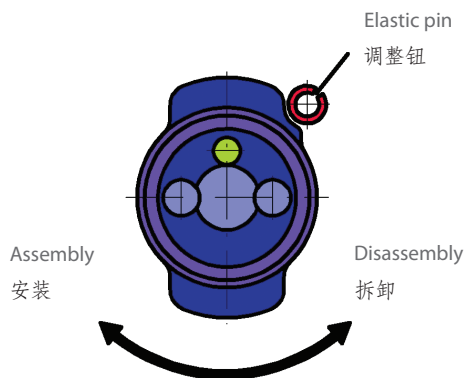
- The area of diameter D and length L1 has approximately 980N/mm².
 - Rest is hardened to 57 ÷ 60 HRC.
 - Other dimensions on request.

直径 D 与长度 L1 部分抗压强度约为 980N/mm²
 —其他部分亦加强至洛氏硬度 57÷60 HRC
 —如需其他尺寸请与我们联系

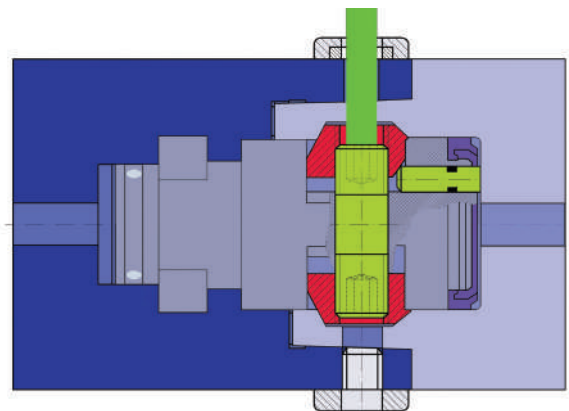
	<p>CLAMPING CARTRIDGE 夹持壳 56</p>
	<p>COOLANT TUBE 冷却管 57</p>
	<p>WRENCH FOR COOLANT TUBE 冷却管用扳手 57</p>
	<p>SEALING PLUG 保护盖 58</p>
	<p>DATA CODING CHIP 数据编码芯片 58</p>
	<p>COVERING RING 保护环 58</p>



HSK A/C/E	HSK B/D/F	COD.	Availability 库存状况	D	L	MAX. TORQUE 最大扭矩 (Nm)	六角扳手
32	40	003 99 99 50 01	■	16,6	44	6	3
40	50	003 99 99 50 02	■	20,6	49	7	3
50	63	003 99 99 50 03	■	25,6	56	15	4
63	80	003 99 99 50 04	■	33,6	65	20	5
80	100	003 99 99 50 05	■	41,6	75	30	6
100	125	003 99 99 50 06	■	52,6	94,5	50	8
125	160	003 99 99 50 07	■	66	120	60	8



Tool in ejected position
工具未装设状况

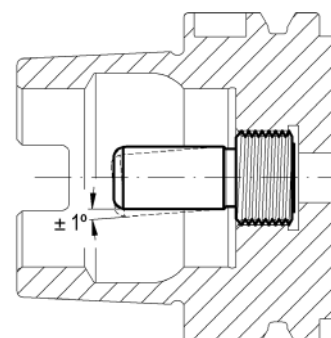
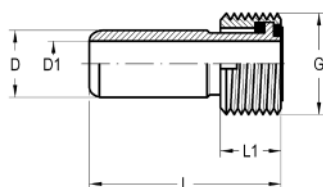


Tool in locked position
工具已装设 (锁紧) 状况

COOLANT TUBE

冷却管

011 99 06 01 ..



HSK-A/E	HSK-B/D	D f8	D1	L	L1	G	COD.	Availability 库存状况
32	40	6	3,5	26	5,5	M-10 x 1	011 99 06 01 01	■
40	50	8	5	29,1	7,5	M-12 x 1	011 99 06 01 02	■
50	63	10	6,4	32,7	9,5	M-16 x 1	011 99 06 01 03	■
63	80	12	8	36	11,5	M-18 x 1	011 99 06 01 04	■
80	100	14	10	39,6	13,5	M-20 x 1,5	011 99 06 01 05	■
100	125	16	12	43,6	15,5	M-24 x 1,5	011 99 06 01 06	■
125	160	18	14	47,4	17,5	M-30 X 1,5	011 99 06 01 07	■

Design:

- Easy angle movement $\pm 1^\circ$.
- Self centering.
- Axial sealed.
- To be ordered separately

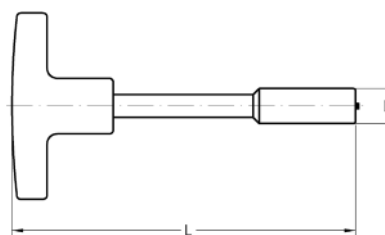
设计:

- $\pm 1^\circ$ 使供液流动顺畅的角度
- 自动集中
- 轴向密封
- 需另外选购

WRENCH FOR COOLANT TUBE

冷却管用扳手

020 99 01 02 ..



HSK-A	HSK-B	L	D	COD.	Availability 库存状况
32	40	107	9	020 99 01 02 01	■
40	50	111	11	020 99 01 02 02	■
50	63	120	15	020 99 01 02 03	■
63	80	122	17	020 99 01 02 04	■
80	100	126	18,5	020 99 01 02 05	■
100	125	141	22	020 99 01 02 06	■
125	160	178	24,5	020 99 01 02 07	■

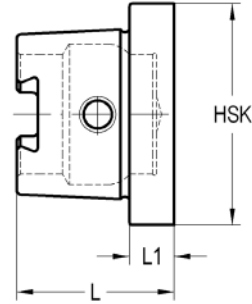
- To be ordered separately.

— 需另外选购

SEALING PLUG

保护盖

020 16 03 ...



HSK	L	L1	COD.	Availability 库存状况
25	23	10	020 16 03 00 01	■
32	26	10	020 16 03 01 01	■
40	30	10	020 16 03 02 01	■
50	37,5	12,5	020 16 03 03 01	■
63	44,5	12,5	020 16 03 04 01	■
80	56	16	020 16 03 05 01	■
100	66	16	020 16 03 06 01	■
125	83	20	020 16 03 07 01	■

DATA CODING CHIP

数据编码芯片

351 99 99 ...

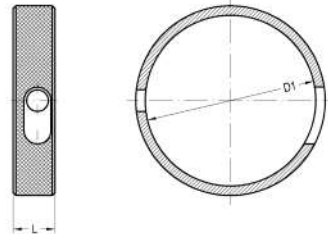
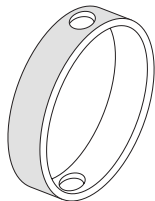


COD.	Availability / 库存状况
351 99 99 99 00 010	■

COVERING RING

保护环

351 03 99 14 ..



D1-HSK	COD.	Availability 库存状况
32	351 03 99 14 01	■
40	351 03 99 14 02	■
50	351 03 99 14 03	■
63	351 03 99 14 04	■
80	351 03 99 14 05	■
100	351 03 99 14 06	■