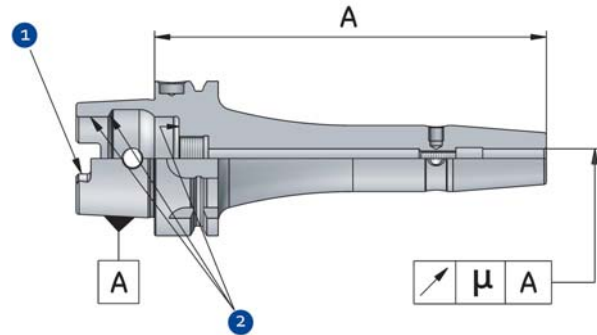




品质特色 QUALITY FEATURES



① HSK锥柄上的驱动槽经过了特殊热处理，从而保证了

- HSK槽100%对称
- 完美安装在机床主轴上传递扭矩

② HSK内部结构也经过了特殊热处理，从而保证了

- 最高跳动精度
- 最大夹持力
- 最大径向刚性

③ 所有刀柄动平衡级别均为 G2.5 25.000 min-1. 或者 ≤ 1 gmm:

- 平稳，保护轴承的主轴转动
- 更长主轴寿命
- 更长刀具寿命
- 更好铣削表面

① Hard reworked drive slots on HSK-taper guarantees:

- 100% symmetry of the HSK-slots
- perfect seat and torque transfer in machine spindle

② Hard reworked HSK-Inside geometry guarantees:

- highest runout accuracy
- maximum clamping force in spindle
- maximum radial rigidity

③ All toolholders fine balanced to G2,5 25.000 or ≤ 1 gmm for:

- smooth and bearing protecting spindle run
- longer spindle life cycle
- maximum tool life
- better milling surface

对我们来说什么是重点？ WHAT IS IMPORTANT TO US

- 1 德国产地声明**
我们的产品100%德国原产
- 2 我们充满自信**
我们坚信我们会成功，也信赖我们为将来而辛勤工作的员工
- 3 传统中创新**
我们坚持加大投入，因而我们的机床设备总是处于世界领先水平
- 4 最高质量标准**
只有最高质量才能取得用户信赖和认可



对您来说什么是重点？

切削材料和涂层技术的不断进步，加之越来越高的主轴转速，这些意味着刀具能更快加工切削，但是这些还不是最重要的，因为节约生产成本的最大潜力就在减少加工周期和提高机床的有效时间上。

但是如果因为机床主轴和刀具之间，也就是与刀柄之间连接不好，将导致以上优点完全无法实现。

以下就是达到理想加工状态，完美实现刀柄功能的极为重要的准则：

① 锥柄完美装入主轴

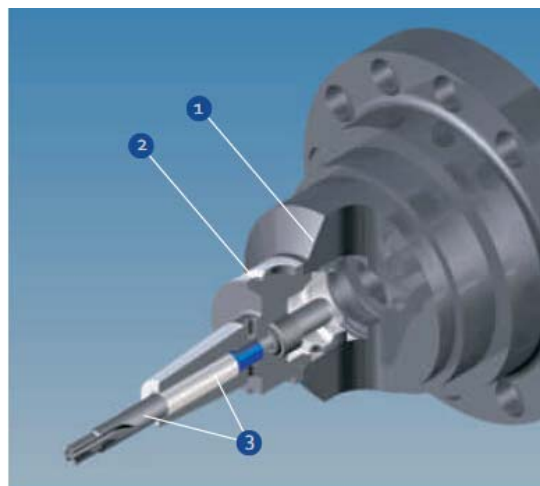
锥柄与主轴间的完美贴合,是实现理想加工的首要条件，不精确的锥柄会随时间损坏机床主轴。倘若一天有1000次换刀，不精确锥柄只要用上几周就能损坏一根崭新的主轴，同时还会严重降低加工效率。

② 高转速，高动平衡要求：

切削速度越高，需要机床的转速也越高，同时也要求刀柄的动平衡级别也越高，因为高精密的动平衡意味着刀柄没有震荡摆动，从而才能保护高精密的主轴不被受损。

③ 刀具跳动

只有刀具具有极高的跳动精度，刀具的效果才能完美体现，这不仅能减少加工时间，还能显著提高刀具的使用寿命。而刀具的跳动又是与刀柄的跳动（动平衡精度等级）密切相关的！





MAS 403 BT

DIN 69871

DIN 69893 (HSK)

CORUM C6

Accessory

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TOOL HOLDER / 刀柄 DIN 69893 (HSK)

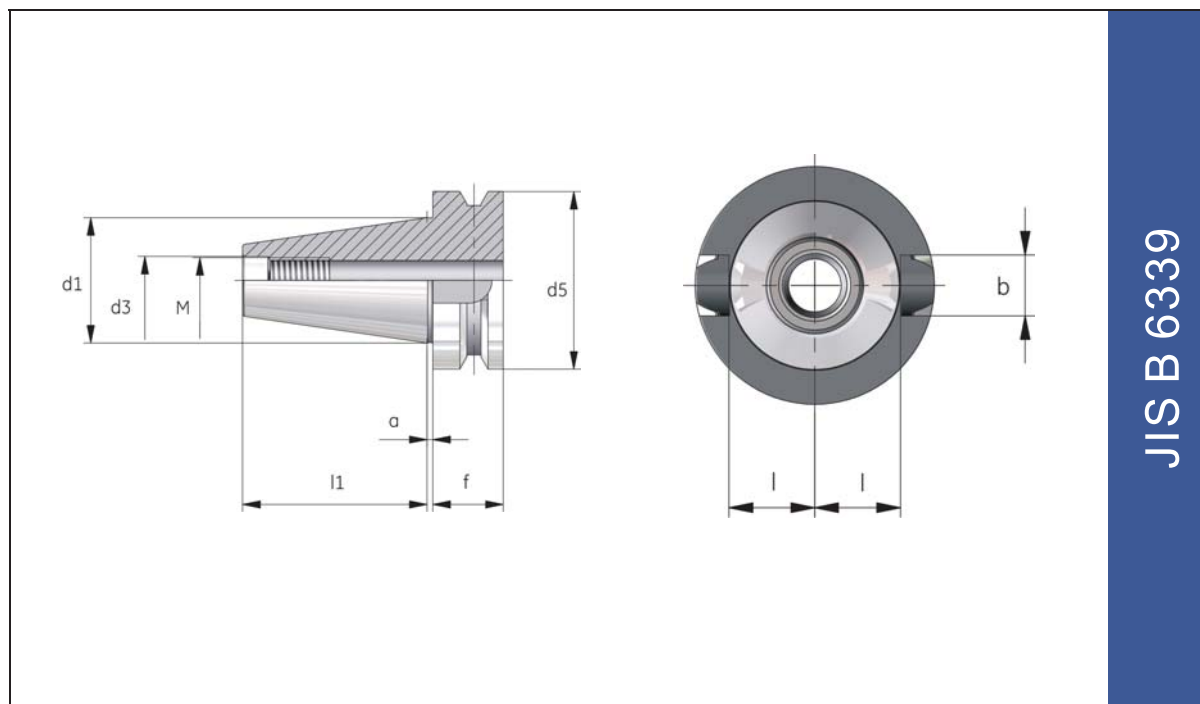
4

TOOL HOLDER / 刀柄 CORUM (C6)

6

ACCERSORY / 附件

TOOL HOLDER MAS 403 BT



JIS B 6339

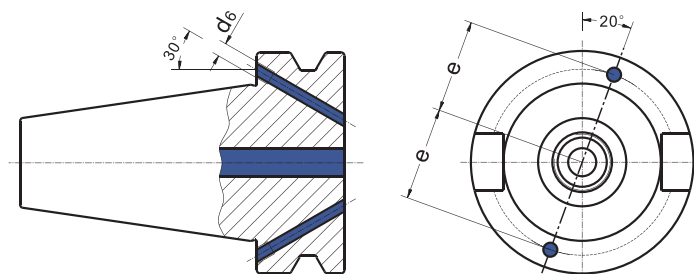
BT	l_1	d_1	d_5	f	a	M	d_3	b	l
30	48.4	31.75	46	20	2	M12	12.5	16.1	16.31
40	65.4	44.45	63	25	2	M16	17	22.6	22.6
50	101.8	69.85	100	36	3	M24	25	35.4	35.3

Cooling / 冷却方式

A型: 无内冷却

AD型: 中心通水

AD/B型: 中心通水及法兰通水。交货时法兰上的通孔用螺钉堵住, 使用时可拧下螺钉。



Form A: without cooling supply

Form AD: central cooling supply

Form AD/B: central cooling supply and with internal coolant through the collar



TOOL HOLDER / 刀柄 MAS 403 BT

ER弹簧夹头刀柄 ————— 1.08

ER迷你弹簧夹头刀柄 ————— 1.10

侧固式铣刀柄 ————— 1.11

混合式铣刀柄 ————— 1.13

面铣刀柄 ————— 1.14

钻夹头刀柄 ————— 1.15

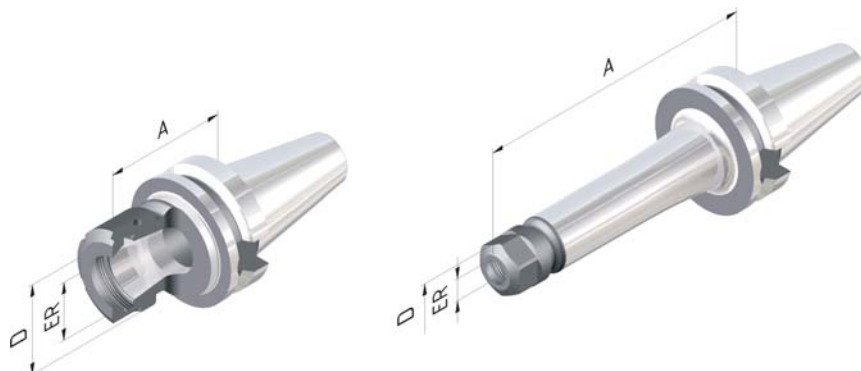
弹性快换攻丝刀柄 ————— 1.16

刚性快换攻丝刀柄 ————— 1.17

液压刀柄 ————— 1.18

热缩刀柄 ————— 1.19

端面通水热缩刀柄 ————— 1.23

Collet Chuck ER / BT-ER弹簧夹头刀柄

G2.5 25000min⁻¹
 ≤ 3μ

Form AD/B

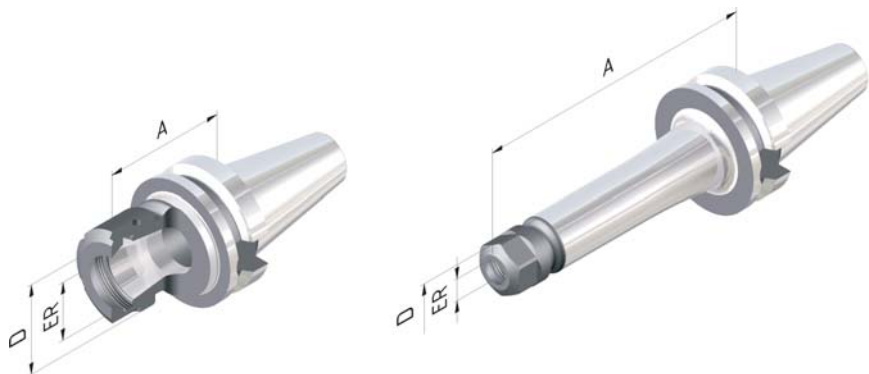
Order No. 货号	Size 规格	BT	ER	Capacity 夹持范围	D 螺帽外径	A 有效长度
H31.1011.60.1*	BT30-ER11-60	30	ER11	1-7	19	60
H31.1011.100.1*	BT30-ER11-100	30	ER11	1-7	19	100
H31.1016.60.1*	BT30-ER16-60	30	ER16	1-10	28	60
H31.1016.100.1*	BT30-ER16-100	30	ER16	1-10	28	100
H31.1020.60.1*	BT30-ER20-60	30	ER20	1-13	34	60
H31.1020.100.1*	BT30-ER20-100	30	ER20	1-13	34	100
H31.1025.60.1*	BT30-ER25-60	30	ER25	1-16	42	60
H31.1025.100.1*	BT30-ER25-100	30	ER25	1-16	42	100
H41.1016.70.2	BT40-ER16-70	40	ER16	1-10	28	70
H41.1016.100.2	BT40-ER16-100	40	ER16	1-10	28	100
H41.1016.160.2	BT40-ER16-160	40	ER16	1-10	28	160
H41.1025.70.2	BT40-ER25-70	40	ER25	1-16	42	70
H41.1025.100.2	BT40-ER25-100	40	ER25	1-16	42	100
H41.1025.160.2	BT40-ER25-160	40	ER25	1-16	42	160
H41.1032.70.2	BT40-ER32-70	40	ER32	2-20	50	70
H41.1032.100.2	BT40-ER32-100	40	ER32	2-20	50	100
H41.1032.160.2	BT40-ER32-160	40	ER32	2-20	50	160
H41.1040.70.2	BT40-ER40-70	40	ER40	4-26	63	70
H51.1016.70.2	BT50-ER16-70	50	ER16	1-10	28	70
H51.1016.100.2	BT50-ER16-100	50	ER16	1-10	38	100
H51.1016.160.2	BT50-ER16-160	50	ER16	1-10	28	160
H51.1025.70.2	BT50-ER25-70	50	ER25	1-16	42	70
H51.1025.100.2	BT50-ER25-100	50	ER25	1-16	42	100
H51.1025.160.2	BT50-ER25-160	50	ER25	1-16	42	160
H51.1032.70.2	BT50-ER32-70	50	ER32	2-20	50	70
H51.1032.100.2	BT50-ER32-100	50	ER32	2-20	50	100

* BT30为AD中心通水



TOOL HOLDER / 刀柄

Collet Chuck ER / BT-ER弹簧夹头刀柄



G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	BT	ER	Capacity 夹持范围	D 螺帽外径	A 有效长度
H51.1032.160.2	BT50-ER32-160	50	ER32	2-20	50	160
H51.1040.80.2	BT50-ER40-80	50	ER40	4-26	63	80
H51.1040.100.2	BT50-ER40-100	50	ER40	4-26	63	100
H51.1040.160.2	BT50-ER40-160	50	ER40	4-26	63	160

应用：ER夹头夹持圆柱柄刀具

技术结构：外锥到内锥跳动≤0.003mm，
在2.5 X D处最大跳动为≤8μ

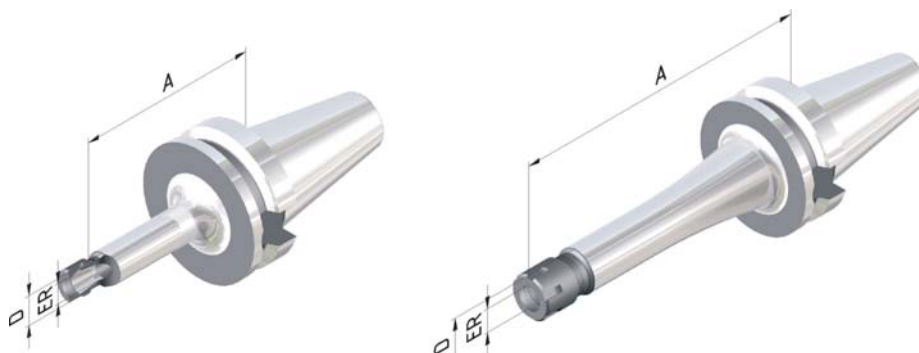
发货：带螺母

Application: For clamping tools with cylindrical shank
in collets ER.

Technical Design: Runout of outer taper to inner tapers≤ 0.003mm.
Due to adjusted taper tolerances of the
ER-Inner taper and the Collet taper max.
runout of ≤ 8μ at 2,5 X D

Includes: Clamping nut

Collet Chuck ER / BT-ER迷你弹簧夹头刀柄



G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	BT	ER	Capacity 夹持范围	D 螺帽外径	A 有效长度
H41.1411.100.2	BT40-ER11-100	40	ER11	1-7	16	100
H41.1411.160.2	BT40-ER11-160	40	ER11	1-7	16	160
H41.1416.100.2	BT40-ER16-100	40	ER16	1-10	22	100
H41.1416.160.2	BT40-ER16-160	40	ER16	1-10	22	160
H41.1425.100.2	BT40-ER25-100	40	ER25	1-16	35	100
H41.1425.160.2	BT40-ER25-160	40	ER25	1-16	35	160

应用：ER夹头夹持圆柱柄刀具

技术结构：外锥到内锥跳动≤0.003mm，
在2.5 X D处最大跳动为≤8μ

发货：带螺母

Application: For clamping tools with cylindrical shank
in collets ER.

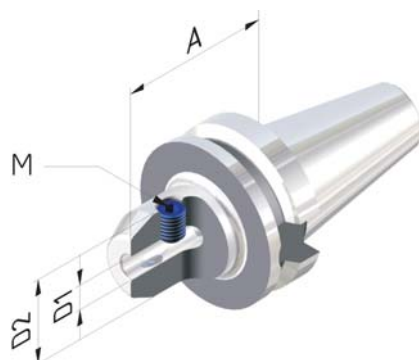
Technical Design: Runout of outer taper to inner taper≤0.003mm.
Due to adjusted taper tolerances of the
ER-Inner taper and the Collet taper max.
runout of ≤8μ at 2,5 X D

Includes: Mini-Clamping nut



TOOL HOLDER / 刀柄 MAS 403 BT

Weldon Toolholder / BT- 侧固式铣刀柄

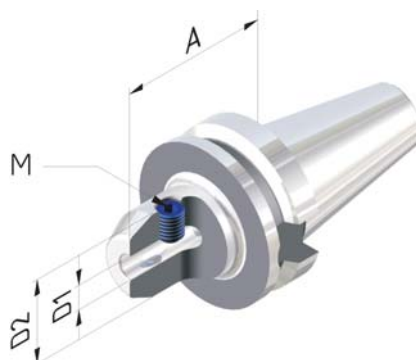
G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	BT	D1	D2	L	M	A 有效长度
H41.2006.50.2	BT40-6-50	40	6	25	35	M6	50
H41.2006.100.2	BT40-6-100	40	6	25	35	M6	100
H41.2008.50.2	BT40-8-50	40	8	28	35	M8	50
H41.2008.100.2	BT40-8-100	40	8	28	35	M8	100
H41.2010.63.2	BT40-10-63	40	10	35	41	M10	63
H41.2010.100.2	BT40-10-100	40	10	35	41	M10	100
H41.2012.63.2	BT40-12-63	40	12	42	48	M12	63
H41.2012.100.2	BT40-12-100	40	12	42	48	M12	100
H41.2014.63.2	BT40-14-63	40	14	42	48	M12	63
H41.2016.63.2	BT40-16-63	40	16	48	51	M14	63
H41.2016.100.2	BT40-16-100	40	16	48	51	M14	100
H41.2018.63.2	BT40-18-63	40	18	48	51	M14	63
H41.2020.63.2	BT40-20-63	40	20	52	53	M16	63
H41.2020.100.2	BT40-20-100	40	20	52	53	M16	100
H41.2025.90.2	BT40-25-90	40	25	65	60	M18x2	90
H41.2032.100.2	BT40-32-100	40	32	72	64	M18x2	100
H51.2006.63.2	BT50-6-63	50	6	25	35	M6	63
H51.2006.160.2	BT50-6-160	50	6	25	35	M6	160
H51.2008.63.2	BT50-8-63	50	8	28	35	M8	63
H51.2008.160.2	BT50-8-160	50	8	28	35	M8	160
H51.2010.70.2	BT50-10-70	50	10	35	41	M10	70
H51.2010.160.2	BT50-10-160	50	10	35	41	M10	160
H51.2012.80.2	BT50-12-80	50	12	42	48	M12	80
H51.2012.160.2	BT50-12-160	50	12	42	48	M12	160

Weldon Toolholder / BT- 侧固式铣刀柄



G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	BT	D1	D2	L	M	A 有效长度
H51.2016.80.2	BT50-16-80	50	16	48	51	M14	80
H61.2016.160.2	BT50-16-160	50	16	48	51	M14	160
H51.2020.80.2	BT50-20-80	50	20	52	53	M16	80
H51.2020.160.2	BT50-20-160	50	20	52	53	M16	160
H51.2025.100.2	BT50-25-100	50	25	65	60	M18x2	100
H51.2025.160.2	BT50-25-160	50	25	65	60	M18x2	160
H51.2032.105.2	BT50-32-105	50	32	72	64	M20x2	105
H51.2032.160.2	BT50-32-160	50	32	72	64	M20x2	160

应用：夹持DIN 1835B/6359HB圆柱柄刀具

Application: For clamping tools with cylindrical shank according to DIN 1835 B.

技术结构：外锥相对D1的跳动≤0.003mm. 孔公差级别H4 (比DIN更精确)

Technical Design: Runout of outer taper to D1 ≤ 0.003 mm
Tolerance of bore H4 (more accurate as DIN).

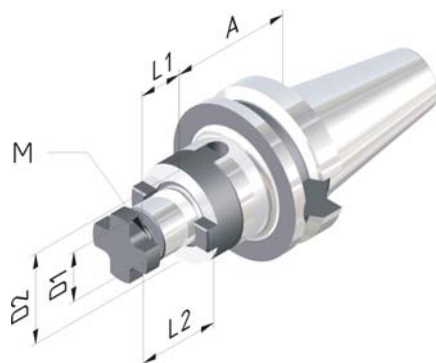
发货：带夹紧螺钉

Includes: Clamping screw



TOOL HOLDER / 刀柄 MAS 403 BT

Combi Shell Mill Toolholder / BT- 混合式铣刀柄

G2.5 25000min⁻¹

≤ 6μ

Form AD/B

Order No. 货号	Size 规格	BT	D1	D2	L1	L2	M	A 有效长度
H41.4016.55.2	BT40-16-55	40	16	32	17	27	M8	55
H41.4022.55.2	BT40-22-55	40	22	40	19	31	M10	55
H41.4027.55.2	BT40-27-55	40	27	48	21	33	M12	55
H41.4032.60.2	BT40-32-60	40	32	58	24	38	M16	60
H51.4022.70.2	BT50-22-70	50	22	40	19	31	M8	70
H51.4027.70.2	BT50-27-70	50	27	48	21	33	M10	70
H51.4032.70.2	BT50-32-70	50	32	58	24	38	M12	70
H51.4040.70.2	BT50-40-70	50	40	70	27	41	M16	70

应用：适用于夹持带横向和纵向槽的面铣刀

Application: For adapting shell mills with transverse and longitudinal groove.

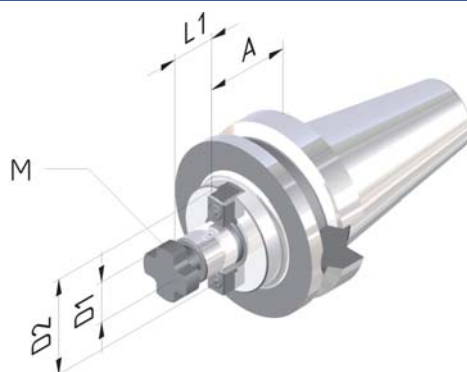
技术结构：外锥相对D1的跳动≤0.006mm

Technical Design: Runout of outer taper to D1 ≤ 0.006 mm.

发货：带夹紧螺钉传动键和调节环

Includes: Clamping screw, drive key and adjusting spring.

Shell Mill Toolholder / BT- 面铣刀柄



G2.5 25000min⁻¹

≤ 6μ

Form AD/B

Order No. 货号	Size 规格	BT	D1	D2	L1	M	A 有效长度
H41.4116.35.2	BT40-16-35	40	16	38	17	M8	35
H41.4122.35.2	BT40-22-35	40	22	48	19	M10	35
H41.4127.35.2	BT40-27-35	40	27	60	21	M12	35
H41.4132.50.2	BT40-32-50	40	32	78	24	M16	50
H41.4140.50.2	BT40-40-50	40	40	89	27	M20	50
H51.4122.55.2	BT50-22-55	50	22	48	19	M8	55
H51.4122.100.2	BT50-22-100	50	22	48	19	M8	100
H51.4127.55.2	BT50-27-55	50	27	60	21	M10	55
H51.4127.100.2	BT50-27-100	50	27	60	21	M10	100
H51.4132.55.2	BT50-32-55	50	32	78	24	M12	55
H51.4132.100.2	BT50-32-100	50	32	78	24	M12	100
H51.4140.55.2	BT50-40-55	50	40	89	27	M16	55

应用：适用于夹持带横向槽的面铣刀

技术结构：带延长凸缘，外锥相对D1的
跳动≤0.006mm

发货：带夹紧螺钉及传动键

Application: For adapting shell mills with transverse slot.

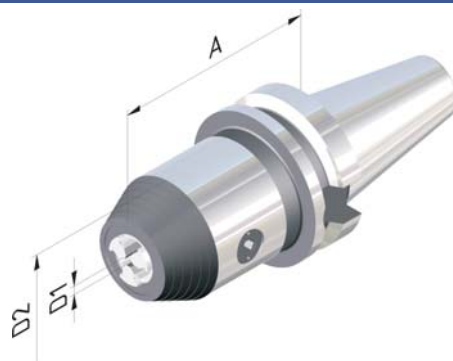
Technical Design: With extended flange.
Runout of outer taper
to D1 ≤ 0,006 mm.

Includes: Clamping screw and drive keys.



TOOL HOLDER / 刀柄 MAS 403 BT

Drill Chuck / BT- 钻夹头刀柄

G6.3 12000min⁻¹

Form AD/B

Order No. 货号	Size 规格	BT	Capacity 夹持范围	D2	A 有效长度	G
H41.5013.100.2	BT40-13-100	40	1-13	50	100.5	M16
H41.5016.106.2	BT40-16-106	40	2.5-16	50	106	M16
H41.5013.130.2	BT40-13-130	40	1-13	50	130	M16
H41.5013.160.2	BT40-13-160	40	1-13	50	160	M16
H51.5013.106.2	BT50-13-106	50	1-13	50	106.5	M24
H51.5016.112.2	BT50-16-112	50	2.5-16	50	112	M24
H51.5013.130.2	BT50-13-130	50	1-13	50	130	M24
H51.5013.160.2	BT50-13-160	50	1-13	50	160	M24
H51.5016.165.2	BT50-16-165	50	2.5-16	50	165.5	M24

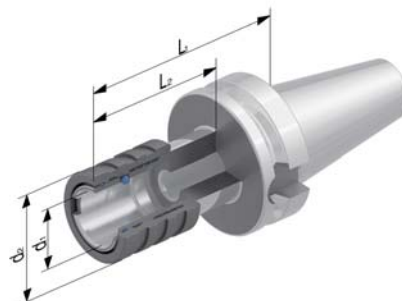
应用：夹持圆柱柄刀具

Application: For clamping tools with cylindrical shank.

发货：带扳手

Includes: Wrench.

Quick Change Tapping Chcks With Length Compensation
BT - 弹性快换攻丝刀柄



G6.3 12000min⁻¹

Form A

Order No. 货号	Size 规格	BT	丝锥 直径	规格	长度调节 压拉	d1	d2	l1	G
H31.6012.61	BT30-M3-M12-61	30	M3-M12	Gr.1	7.5 7.5	19	36	61.5	M12
H31.6020.95	BT30-M8-M20-95	30	M8-M20	Gr.2	12.5 12.5	31	53	95	M12
H41.6012.67	BT40-M3-M12-66	40	M3-M12	Gr.1	7.5 7.5	19	36	66.5	M16
H41.6020.94	BT40-M8-M20-93	40	M8-M20	Gr.2	12.5 12.5	31	53	93.5	M16
H41.6033.163	BT40-M22-M33-162	40	M14-M33	Gr.3	20 20	48	78	162.5	M16
H51.6012.85	BT50-M3-M12-85	50	M3-M12	Gr.1	7.5 7.5	19	36	85	M24
H51.6020.102	BT50-M8-M20-101	50	M8-M20	Gr.2	12.5 12.5	31	53	101.5	M24
H51.6033.141	BT50-M14-M33-141	50	M14-M33	Gr.3	20 20	48	78	141	M24
H51.6048.165	BT50-M22-M48-164	50	M22-M48	Gr.4	22.5 22.5	60	96	164.5	M24

应用：用于螺纹加工，根据丝锥柄径及方头尺寸，选择相应快换夹头，轴向长度可变化（弹性攻丝）。

Application: For tapping preferably. Axial length compensation on tension and pressure.

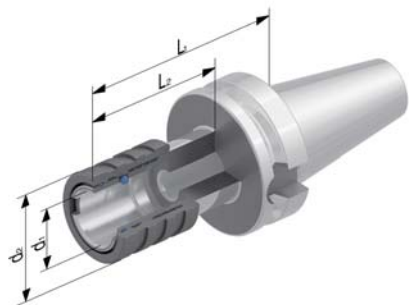
发货：

Includes:



TOOL HOLDER / 刀柄

Quick Change Tapping Chcks Synchro BT - 同步式快换攻丝刀柄



G6.3 12000min⁻¹

Form

AD/B

Order No. 货号	Size 规格	BT	丝锥直径	规格	d1	d2	l1	G
H31.6112.66.2	BT30-M3-M12-66	30	M3-M12	Gr.1	19	36	66	M12
H31.6120.80.2	BT30-M8-M20-80	30	M8-M20	Gr.2	31	53	80	M12
H41.6112.71.2	BT40-M3-M12-71	40	M3-M12	Gr.1	19	36	71	M16
H41.6120.85.2	BT40-M8-M20-85	40	M8-M20	Gr.2	31	53	85	M16
H41.6133.121.2	BT40-M14-M33-121	40	M14-M33	Gr.3	48	78	121	M16
H51.6112.81.2	BT50-M3-M12-81	50	M3-M12	Gr.1	19	36	81	M24
H51.6120.95.2	BT50-M8-M20-95	50	M8-M20	Gr.2	31	53	95	M24
H51.6133.131.2	BT50-M14-M33-131	50	M14-M33	Gr.3	48	78	131	M24
H51.6148.170.2	BT50-M22-M48-170	50	M22-M48	Gr.4	60	96	170	M24

应用：用于螺纹加工, 轴向长度不可变化

发货：

Application: For tapping preferably Axial length nonadjustable.

Includes:

BT Hydraulic Expansion Chucks / BT - 液压刀柄

G6.3 12000min⁻¹
 ≤ 5μ

Form AD/B

Order No. 货号	Size 规格	BT	D1	D2	D3	L1	L2	L3	L4	L5	g	G
H31.7006.60.2	BT30-6-60	30	6	26	26	60	38	37	10	33.0	M5	M12
H31.7008.64.2	BT30-8-64	30	8	28	28	64	42	37	10	29.0	M6	M12
H31.7010.64.2	BT30-10-64	30	10	30	30	64	42	42	10	37.0	M 8x1	M12
H31.7012.72.2	BT30-12-72	30	12	32	32	72	50	47	10	43.0	M10x1	M12
H31.7014.70.2	BT30-14-70	30	14	34	34	70	48	47	10	45.0	M10x1	M12
H31.7016.90.2	BT30-16-90	30	16	38	50	90	63	52	10	47.0	M12x1	M12
H31.7018.90.2	BT30-18-90	30	18	40	42	90	68	52	10	68.0	M12x1	M12
H31.7020.90.2	BT30-20-90	30	20	42	42	90	68	52	10	68.0	M12x1	M12
H31.7025.110.2	BT30-25-110	30	25	50	50	110	88	58	10	78.0	M12x1	M12
H41.7006.90.2	BT40-6-90	40	6	26	50	90	63	37	10	43.0	M5	M16
H41.7008.90.2	BT40-8-90	40	8	28	50	90	63	37	10	43.5	M6	M16
H41.7010.90.2	BT40-10-90	40	10	30	50	90	63	42	10	44.0	M 8x1	M16
H41.7012.90.2	BT40-12-90	40	12	32	50	90	63	47	10	44.5	M10x1	M16
H41.7014.90.2	BT40-14-90	40	14	34	50	90	63	47	10	47.5	M10x1	M16
H41.7016.90.2	BT40-16-90	40	16	38	50	90	63	52	10	47.5	M12x1	M16
H41.7018.90.2	BT40-18-90	40	18	40	50	90	63	52	10	47.5	M12x1	M16
H41.7020.90.2	BT40-20-90	40	20	42	50	90	63	52	10	47.5	M12x1	M16
H41.7025.90.2	BT40-25-90	40	25	50	63	90	51	58	10	51.0	M12x1	M16
H41.7032.110.2	BT40-32-110	40	32	60	60	110	81.5	62	10	81.0	M16x1	M16
H51.7006.110.2	BT50-6-110	50	6	26	80	110	72	37	10	43.0	M5	M24
H51.7008.110.2	BT50-8-110	50	8	28	80	110	72	37	10	43.5	M6	M24
H51.7010.110.2	BT50-10-110	50	10	30	80	110	72	42	10	44.0	M 8x1	M24
H51.7012.110.2	BT50-12-110	50	12	32	80	110	72	47	10	42.0	M10x1	M24
H51.7014.110.2	BT50-14-110	50	14	34	80	110	72	47	10	42.0	M10x1	M24
H51.7016.110.2	BT50-16-110	50	16	38	80	110	72	52	10	45.0	M12x1	M24
H51.7018.110.2	BT50-18-110	50	18	40	80	110	72	52	10	45.0	M12x1	M24
H51.7020.110.2	BT50-20-110	50	20	42	80	110	72	52	10	47.5	M12x1	M24
H51.7025.110.2	BT50-25-110	50	25	50	80	110	72	58	10	47.5	M12x1	M24
H51.7032.110.2	BT50-32-110	50	32	60	80	110	72	62	10	47.5	M12x1	M24

应用：用于夹持圆柱柄DIN1835A+B+E型和DIN6535
HA+HB+HE型（直径≥12mm时可用减径套）
被夹持刀具的柄部公差要达到h6。

Application: For mounting straight-shank tools acc
DIN 1835form A+B+E and DIN 6535 form
HA+B+HE(larger than dia.12mm onl with
reduction sleeve).The Tolerance a of
Tools Should be h6.

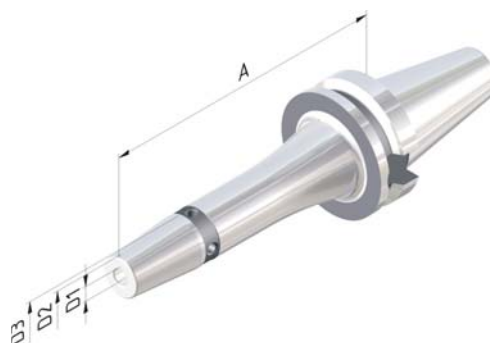
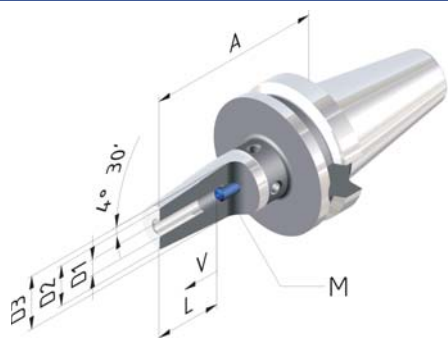
发货：

Includes:



TOOL HOLDER / 刀柄

BT Shrink With 4.5° / BT 4.5° 热缩刀柄



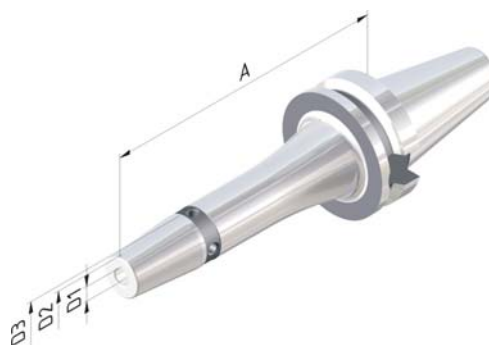
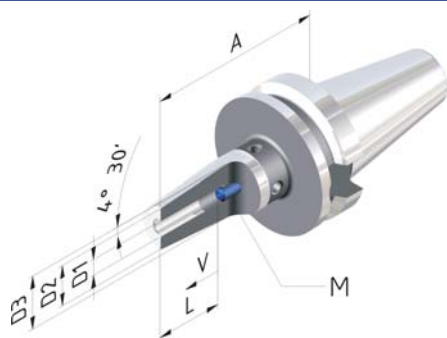
G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	BT	D1	D2	D3	V	L	M	A 有效长度
H31.8003.80.2	BT30-3-80	30	3	12	17	-	-	-	80
H31.8004.80.2	BT30-4-80	30	4	12	17	-	-	-	80
H31.8005.80.2	BT30-5-80	30	5	12	17	-	-	-	80
H31.8006.80.2	BT30-6-80	30	6	21	27	10	37	M5	80
H31.8008.80.2	BT30-8-80	30	8	21	27	10	37	M6	80
H31.8010.80.2	BT30-10-80	30	10	24	32	10	42	M8x1	80
H31.8012.80.2	BT30-12-80	30	12	24	32	10	48	M10x1	80
H31.8014.80.2	BT30-14-80	30	14	27	34	10	48	M10x1	80
H31.8016.80.2	BT30-16-80	30	16	27	34	10	51	M12x1	80
H31.8018.90.2	BT30-18-90	30	18	33	42	10	51	M12x1	90
H31.8020.90.2	BT30-20-90	30	20	33	42	10	53	M16x1	90
H41.8003.90.2	BT40-3-90	40	3	12	17	-	-	-	90
H41.8004.90.2	BT40-4-90	40	4	12	17	-	-	-	90
H41.8005.90.2	BT40-5-90	40	5	12	17	-	-	-	90
H41.8006.90.2	BT40-6-90	40	6	21	27	10	37	M5	90
H41.8006.120.2	BT40-6-120	40	6	21	27	10	37	M5	120
H41.8006.130.2	BT40-6-130	40	6	21	27	10	37	M5	130
H41.8006.160.2	BT40-6-160	40	6	21	27	10	37	M5	160
H41.8006.200.2	BT40-6-200	40	6	21	27	10	37	M5	200
H41.8008.90.2	BT40-8-90	40	8	21	27	10	37	M6	90
H41.8008.120.2	BT40-8-120	40	8	21	27	10	37	M6	120
H41.8008.130.2	BT40-8-130	40	8	21	27	10	37	M6	130
H41.8008.160.2	BT40-8-160	40	8	21	27	10	37	M6	160
H41.8008.200.2	BT40-8-200	40	8	21	27	10	37	M6	200
H41.8010.90.2	BT40-10-90	40	10	24	32	10	42	M8x1	90
H41.8010.120.2	BT40-10-120	40	10	24	32	10	42	M8x1	120
H41.8010.130.2	BT40-10-130	40	10	24	32	10	42	M8x1	130
H41.8010.160.2	BT40-10-160	40	10	24	32	10	42	M8x1	160

BT Shrink With 4.5° / BT 4.5° 热缩刀柄



G2.5 25000min⁻¹

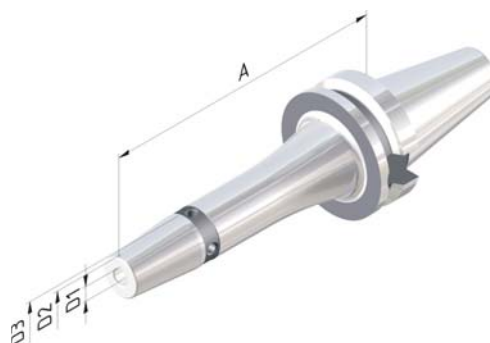
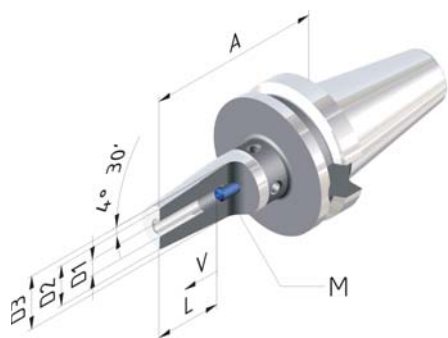
≤ 3μ

Form AD/B

Order No. 货号	Size 规格	BT	D1	D2	D3	V	L	M	A 有效长度
H41.8010.200.2	BT40-10-200	40	10	24	32	10	48	M8x1	200
H41.8012.90.2	BT40-12-90	40	12	24	32	10	48	M10x1	90
H41.8012.120.2	BT40-12-120	40	12	24	32	10	48	M10x1	120
H41.8012.130.2	BT40-12-130	40	12	24	32	10	48	M10x1	130
H41.8012.160.2	BT40-12-160	40	12	24	32	10	48	M10x1	160
H41.8012.200.2	BT40-12-200	40	12	24	32	10	48	M10x1	200
H41.8014.90.2	BT40-14-90	40	14	27	34	10	48	M10x1	90
H41.8014.120.2	BT40-14-120	40	14	27	34	10	48	M10x1	120
H41.8014.130.2	BT40-14-130	40	14	27	34	10	48	M10x1	130
H41.8014.160.2	BT40-14-160	40	14	27	34	10	48	M10x1	160
H41.8014.200.2	BT40-14-200	40	14	27	34	10	48	M10x1	200
H41.8016.90.2	BT40-16-90	40	16	27	34	10	51	M12x1	90
H41.8016.120.2	BT40-16-120	40	16	27	34	10	51	M12x1	120
H41.8016.130.2	BT40-16-130	40	16	27	34	10	51	M12x1	130
H41.8016.160.2	BT40-16-160	40	16	27	34	10	51	M12x1	160
H41.8016.200.2	BT40-16-200	40	16	27	34	10	51	M12x1	200
H41.8018.90.2	BT40-18-90	40	18	33	42	10	51	M12x1	90
H41.8018.120.2	BT40-18-120	40	18	33	42	10	51	M12x1	120
H41.8018.130.2	BT40-18-130	40	18	33	42	10	51	M12x1	130
H41.8018.160.2	BT40-18-160	40	18	33	42	10	51	M12x1	160
H41.8018.200.2	BT40-18-200	40	18	33	42	10	51	M12x1	200
H41.8020.90.2	BT40-20-90	40	20	33	42	10	53	M16x1	90
H41.8020.120.2	BT40-20-120	40	20	33	42	10	53	M16x1	120
H41.8020.130.2	BT40-20-130	40	20	33	42	10	53	M16x1	130
H41.8020.160.2	BT40-20-160	40	20	33	42	10	53	M16x1	160
H41.8020.200.2	BT40-20-200	40	20	33	42	10	53	M16x1	200
H41.8025.100.2	BT40-25-100	40	25	44	53	10	59	M16x1	100
H41.8025.120.2	BT40-25-120	40	25	44	53	10	59	M16x1	120

TOOL HOLDER / 刀柄

BT Shrink With 4.5° / BT 4.5° 热缩刀柄

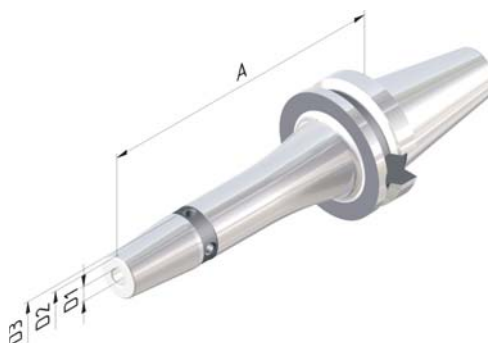
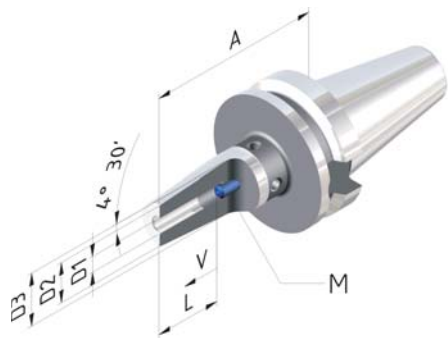


G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	BT	D1	D2	D3	V	L	M	A 有效长度
H41.8025.130.2	BT40-25-130	40	25	44	53	10	59	M16x1	130
H41.8025.160.2	BT40-25-160	40	25	44	53	10	59	M16x1	160
H41.8025.200.2	BT40-25-200	40	25	44	53	10	59	M16x1	200
H51.8006.100.2	BT50-6-100	50	6	21	27	10	37	M5	100
H51.8006.130.2	BT50-6-130	50	6	21	27	10	37	M5	130
H51.8006.160.2	BT50-6-160	50	6	21	27	10	37	M5	160
H51.8006.200.2	BT50-6-200	50	6	21	27	10	37	M5	200
H51.8008.100.2	BT50-8-100	50	8	21	27	10	37	M6	100
H51.8008.130.2	BT50-8-130	50	8	21	27	10	37	M6	130
H51.8008.160.2	BT50-8-160	50	8	21	27	10	37	M6	160
H51.8008.200.2	BT50-8-200	50	8	21	27	10	37	M6	200
H51.8010.100.2	BT50-10-100	50	10	24	32	10	42	M8x1	100
H51.8010.130.2	BT50-10-130	50	10	24	32	10	42	M8x1	130
H51.8010.160.2	BT50-10-160	50	10	24	32	10	42	M8x1	160
H51.8010.200.2	BT50-10-200	50	10	24	32	10	42	M8x1	200
H51.8012.100.2	BT50-12-100	50	12	24	32	10	48	M10x1	100
H51.8012.130.2	BT50-12-130	50	12	24	32	10	48	M10x1	130
H51.8012.160.2	BT50-12-160	50	12	24	32	10	48	M10x1	160
H51.8012.200.2	BT50-12-200	50	12	24	32	10	48	M10x1	200
H51.8014.100.2	BT50-14-100	50	14	27	34	10	48	M10x1	100
H51.8014.130.2	BT50-14-130	50	14	27	34	10	48	M10x1	130
H51.8014.160.2	BT50-14-160	50	14	27	34	10	48	M10x1	160
H51.8014.200.2	BT50-14-200	50	14	27	34	10	48	M10x1	200
H51.8016.100.2	BT50-16-100	50	16	27	34	10	51	M12x1	100
H51.8016.130.2	BT50-16-130	50	16	27	34	10	51	M12x1	130
H51.8016.160.2	BT50-16-160	50	16	27	34	10	51	M12x1	160
H51.8016.200.2	BT50-16-200	50	16	27	34	10	51	M12x1	200

BT Shrink With 4.5° / BT 4.5° 热缩刀柄

G2.5 25000min⁻¹
 ≤ 3μ

Form AD/B

Order No. 货号	Size 规格	BT	D1	D2	D3	V	L	M	A 有效长度
H51.8018.100.2	BT50-18-100	50	18	33	42	10	51	M12x1	100
H51.8018.130.2	BT50-18-130	50	18	33	42	10	51	M12x1	130
H51.8018.160.2	BT50-18-160	50	18	33	42	10	51	M12x1	160
H51.8018.200.2	BT50-18-200	50	18	33	42	10	51	M12x1	200
H51.8020.100.2	BT50-20-100	50	20	33	42	10	53	M16x1	100
H51.8020.130.2	BT50-20-130	50	20	33	42	10	53	M16x1	130
H51.8020.160.2	BT50-20-160	50	20	33	42	10	53	M16x1	160
H51.8020.200.2	BT50-20-200	50	20	33	42	10	53	M16x1	200
H51.8025.100.2	BT50-25-100	50	25	44	53	10	59	M16x1	100
H51.8025.130.2	BT50-25-130	50	25	44	53	10	59	M16x1	130
H51.8025.160.2	BT50-25-160	50	25	44	53	10	59	M16x1	160
H51.8025.200.2	BT50-25-200	50	25	44	53	10	59	M16x1	200
H51.8032.100.2	BT50-32-100	50	32	44	53	10	63	M16x1	100
H51.8032.130.2	BT50-32-130	50	32	44	53	10	63	M16x1	130
H51.8032.160.2	BT50-32-160	50	32	44	53	10	63	M16x1	160
H51.8032.200.2	BT50-32-200	50	32	44	53	10	63	M16x1	200

应用：夹持圆柱柄刀具

技术结构：特殊耐热钢制作，适用于热缩装置
带四个额外螺纹用于辅助精调平衡。
外锥相对D1跳动 ≤ 0,003 mm.
H4 (比DIN更精确)。

发货：带调节螺钉

Application: For clamping tools with cylindrical shank.

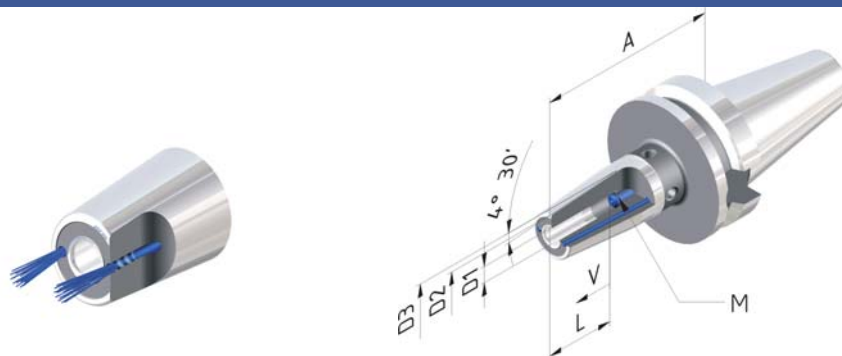
Technical Design: Made of special heat resistant steel. Suitable for inductive shrinking unit. With four additional threads for supplementary fine balancing.
Runout of outer taper to D1 ≤ 0,003 mm.
Tolerance of bore H4 (more accurate as DIN).

Includes: Set screw.



TOOL HOLDER / 刀柄 MAS 403 BT

BT Shrink With 4.5° / BT 4.5° 端面通水热缩刀柄

G2.5 25000min⁻¹

↗ ≤ 3μ

Form 端面通水

Order No. 货号	Size 规格	BT	D1	D2	D3	V	L	M	A 有效长度
H41.8006.90.3	BT40-6-90	40	6	21	27	10	37	M5	90
H41.8008.90.3	BT40-8-90	40	8	21	27	10	37	M6	90
H41.8010.90.3	BT40-10-90	40	10	24	32	10	42	M8x1	90
H41.8012.90.3	BT40-12-90	40	12	24	32	10	48	M10x1	90
H41.8014.90.3	BT40-14-90	40	14	27	34	10	48	M10x1	90
H41.8016.90.3	BT40-16-90	40	16	27	34	10	51	M12x1	90
H41.8018.90.3	BT40-18-90	40	18	33	42	10	51	M12x1	90
H41.8020.90.3	BT40-20-90	40	20	33	42	10	53	M16x1	90
H41.8025.100.3	BT40-25-100	40	25	44	53	10	59	M16x1	100

应用：专门用于无内冷刀具，用在难排屑加工

技术结构：刀杆内两个孔将冷却剂直接冲到切削刃。使用内冷刀具的话，可以用螺钉堵住通水孔

发货：调节螺钉，2个M3密封螺钉

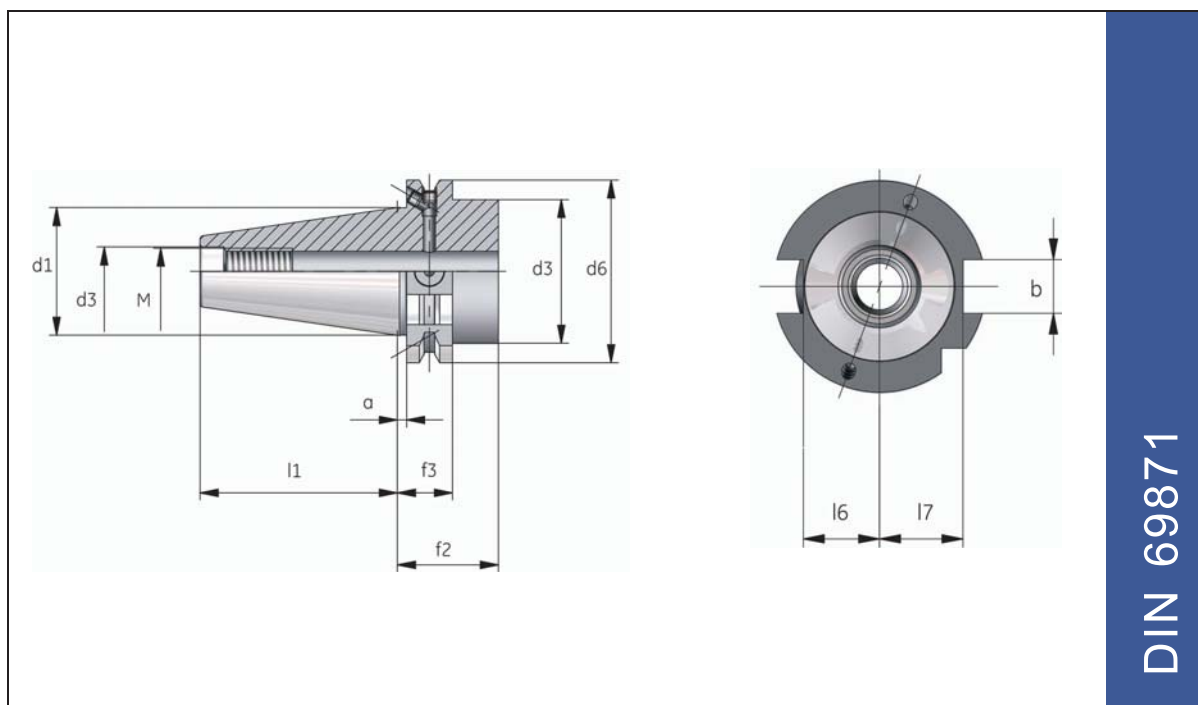
Application: Particularly suitable for tools without internal coolant, and for machining at difficult positions with bad chip removal.

Technical Design: Two holes in the toolholder lead the coolant directly to the cutting edge. Coolant holes can be re-sealed with screws for the use of tools with internal coolant holes.

Includes: Set screw and 2 x M3-screws to plug the coolant holes if needed.

刀柄

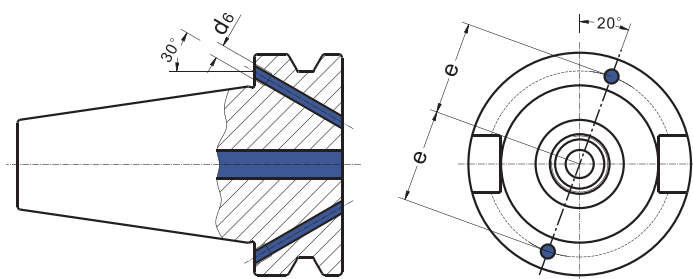
带DIN 69871 柄
结构 AD/B



SK	l1	d1	d6	f3	f2 min.	a	M	d3	b	l6	l7
40	68.4	44.45	63.55	19.1	35	3.2	M16	17	16.1	22.8	25
50	101.75	69.85	97.5	19.1	35	3.2	M24	25	25.7	35.5	37.7

Cooling / 冷却方式

A型: 无内冷却
AD型: 中心通水
AD/B型: 中心通水及法兰通水。交货时
法兰上的通孔用螺钉堵住, 使用
时可拧下螺钉。



Form A: without cooling supply
Form AD: central cooling supply
Form AD/B: central cooling supply and with internal coolant through the collar



TOOL HOLDER / 刀柄DIN 69871(SK)

DIN 69871

ER弹簧夹头刀柄 ————— 2.03

ER迷你弹簧夹头刀柄 ————— 2.05

侧固式铣刀柄 ————— 2.06

长度可调式侧固式铣刀柄 ————— 2.08

端面通水侧固式铣刀柄 ————— 2.09

混合式铣刀柄 ————— 2.10

面铣刀柄 ————— 2.11

端面通水面铣刀柄 ————— 2.12

钻夹头刀柄 ————— 2.13

弹性快换攻丝刀柄 ————— 2.14

刚性快换攻丝刀柄 ————— 2.15

液压刀柄 ————— 2.16

热缩刀柄 ————— 2.18

端面通水热缩刀柄 ————— 2.24

Collet Chuck ER / SK-ER弹簧夹头刀柄



G2.5 25000min⁻¹

↗ ≤ 3μ

Form AD/B

Order No. 货号	Size 规格	SK	ER	Capacity 夹持范围	D	A 有效长度
H42.1016.70.2	SK40-ER16-70	40	ER16	1-10	28	70
H42.1016.100.2	SK40-ER16-100	40	ER16	1-10	28	100
H42.1016.160.2	SK40-ER16-160	40	ER16	1-10	28	160
H42.1016.200.2	SK40-ER16-200	40	ER16	1-10	28	200
H42.1020.70.2	SK40-ER20-70	40	ER20	1-13	34	70
H42.1020.100.2	SK40-ER20-100	40	ER20	1-13	34	100
H42.1025.70.2	SK40-ER25-70	40	ER25	1-16	42	70
H42.1025.100.2	SK40-ER25-100	40	ER25	1-16	42	100
H42.1025.160.2	SK40-ER25-160	40	ER25	1-16	42	160
H42.1025.200.2	SK40-ER25-200	40	ER25	1-16	42	200
H42.1032.70.2	SK40-ER32-70	40	ER32	2-20	50	70
H42.1032.100.2	SK40-ER32-100	40	ER32	2-20	50	100
H42.1032.160.2	SK40-ER32-160	40	ER32	2-20	50	160
H42.1032.200.2	SK40-ER32-200	40	ER32	2-20	50	200
H42.1040.70.2	SK40-ER40-70	40	ER40	4-26	63	70
H42.1040.100.2	SK40-ER40-100	40	ER40	4-26	63	100
H42.1040.160.2	SK40-ER40-160	40	ER40	4-26	63	160
H52.1016.70.2	SK50-ER16-70	50	ER16	1-10	28	70
H52.1016.100.2	SK50-ER16-100	50	ER16	1-10	28	100
H52.1016.160.2	SK50-ER16-160	50	ER16	1-10	28	160
H52.1025.70.2	SK50-ER25-70	50	ER25	1-16	42	70
H52.1025.100.2	SK50-ER25-100	50	ER25	1-16	42	100
H52.1025.160.2	SK50-ER25-160	50	ER25	1-16	42	160
H52.1032.70.2	SK50-ER32-70	50	ER32	2-20	50	70
H52.1032.100.2	SK50-ER32-100	50	ER32	2-20	50	100



TOOL HOLDER / 刀柄DIN 69871(SK)

Collet Chuck ER / SK-ER弹簧夹头刀柄



G2.5 25000min⁻¹

↗ ≤ 3μ

Form AD/B

Order No. 货号	Size 规格	SK	ER	Capacity 夹持范围	D	A 有效长度
H52.1032.160.2	SK50-ER32-160	50	ER32	2-20	50	160
H52.1040.70.2	SK50-ER40-70	50	ER40	4-26	63	70
H52.1040.100.2	SK50-ER40-100	50	ER40	4-26	63	100
H52.1040.160.2	SK50-ER40-160	50	ER40	4-26	63	160

应用：用ER夹头夹圆柱柄刀具

技术结构：外锥到内锥跳动≤ 0,003 mm.
在2,5 X D处最大跳动为≤ 8 μ

发货：带螺母

Application: For clamping tools with cylindrical shank
in collets ER.

Technical Design: Runout of outer taper to inner taper≤ 0,003 mm.
Due to adjusted taper tolerances of the ER-
Inner taper and the Collet taper max.
runout of ≤ 8 μ at 2,5 X D

Includes: Clamping nut.

DIN 69871

Collet Chuck ER / SK-ER迷你弹簧夹头刀柄



G2.5 25000min⁻¹

↗ ≤ 3μ

Form AD/B

Order No. 货号	Size 规格	SK	ER	Capacity 夹持范围	D	A 有效长度
H42.1411.100.2	SK40-ER11-100	40	ER11	1-7	16	100
H42.1411.160.2	SK40-ER11-160	40	ER11	1-7	16	160
H42.1416.100.2	SK40-ER16-100	40	ER16	1-10	22	100
H42.1416.160.2	SK40-ER16-160	40	ER16	1-10	22	160
H42.1425.100.2	SK40-ER25-100	40	ER25	1-16	35	100
H42.1425.160.2	SK40-ER25-160	40	ER25	1-16	35	160

应用：用ER夹头夹圆柱柄刀具

技术结构：外锥到内锥跳动 ≤ 0,003 mm.
在 2,5 X D 处最大跳动为 ≤ 8 μ

发货：带螺母

Application: For clamping tools with cylindrical shank
in collets ER.

Technical Design: Runout of outer taper to inner taper ≤ 0,003 mm.
Due to adjusted taper tolerances of the ER-
Inner taper and the Collet taper max.
runout of ≤ 8 μ at 2,5 X D

Includes: Mini-Clamping nut.



TOOL HOLDER / 刀柄DIN 69871(SK)

Weldon Toolholder / SK-侧固式铣刀柄



G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	L	M	A 有效长度
H42.2006.50.2	SK40-6-50	40	6	25	35	M6	50
H42.2006.100.2	SK40-6-100	40	6	25	35	M6	100
H42.2006.160.2	SK40-6-160	40	6	25	35	M6	160
H42.2008.50.2	SK40-8-50	40	8	28	35	M8	50
H42.2008.100.2	SK40-8-100	40	8	28	35	M8	100
H42.2008.160.2	SK40-8-160	40	8	28	35	M8	160
H42.2010.50.2	SK40-10-50	40	10	35	41	M10	50
H42.2010.100.2	SK40-10-100	40	10	35	41	M10	100
H42.2010.160.2	SK40-10-160	40	10	35	41	M10	160
H42.2012.50.2	SK40-12-50	40	12	42	48	M12	50
H42.2012.100.2	SK40-12-100	40	12	42	48	M12	100
H42.2012.160.2	SK40-12-160	40	12	42	48	M12	160
H42.2014.50.2	SK40-14-50	40	14	42	48	M12	50
H42.2014.100.2	SK40-14-100	40	14	42	48	M12	100
H42.2014.160.2	SK40-14-160	40	14	42	48	M12	160
H42.2016.63.2	SK40-16-63	40	16	48	51	M14	63
H42.2016.100.2	SK40-16-100	40	16	48	51	M14	100
H42.2016.160.2	SK40-16-160	40	16	48	51	M14	160
H42.2018.63.2	SK40-18-63	40	18	48	51	M14	63
H42.2020.63.2	SK40-20-63	40	20	52	53	M16	63
H42.2020.100.2	SK40-20-100	40	20	52	53	M16	100
H42.2020.160.2	SK40-20-160	40	20	52	53	M16	160
H42.2025.100.2	SK40-25-100	40	25	65	60	M18x2	100
H42.2032.100.2	SK40-32-100	40	32	72	64	M20x2	100
H52.2006.63.2	SK50-6-63	50	6	25	35	M6	63
H52.2006.100.2	SK50-6-100	50	6	25	35	M6	100
H52.2006.160.2	SK50-6-160	50	6	25	35	M6	160

DIN 69871

Weldon Toolholder / SK-侧固式铣刀柄



G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	L	M	A 有效长度
H52.2008.63.2	SK50-8-63	50	8	28	35	M8	63
H52.2008.100.2	SK50-8-100	50	8	28	35	M8	100
H52.2008.160.2	SK50-8-160	50	8	28	35	M8	160
H52.2010.63.2	SK50-10-63	50	10	35	41	M10	63
H52.2010.100.2	SK50-10-100	50	10	35	41	M10	100
H52.2010.160.2	SK50-10-160	50	10	35	41	M10	160
H52.2012.63.2	SK50-12-63	50	12	42	48	M12	63
H52.2012.100.2	SK50-12-100	50	12	42	48	M12	100
H52.2012.160.2	SK50-12-160	50	12	42	48	M12	160
H52.2014.63.2	SK50-14-63	50	14	42	48	M12	63
H52.2014.100.2	SK50-14-100	50	14	42	48	M12	100
H52.2014.160.2	SK50-14-160	50	14	42	48	M12	160
H52.2016.63.2	SK50-16-63	50	16	48	51	M14	63
H52.2016.100.2	SK50-16-100	50	16	48	51	M14	100
H52.2016.160.2	SK50-16-160	50	16	48	51	M14	160
H52.2020.63.2	SK50-20-63	50	20	52	53	M16	63
H52.2020.100.2	SK50-20-100	50	20	52	53	M16	100
H52.2020.160.2	SK50-20-160	50	20	52	53	M16	160
H52.2025.80.2	SK50-25-80	50	25	65	60	M18x2	80
H52.2025.100.2	SK50-25-100	50	25	65	60	M18x2	100
H52.2025.160.2	SK50-25-160	50	25	65	60	M18x2	160
H52.2032.100.2	SK50-32-100	50	32	72	64	M20x2	100
H52.2032.160.2	SK50-32-160	50	32	72	64	M20x2	160

应用：夹持DIN1835B/6359HB圆柱柄刀具

Application: For clamping tools with cylindrical shank according to DIN 1835 B.

技术结构：外锥相对D1的跳动 ≤ 0,003 mm. 孔公差级别H4（比DIN更精确）

Technical Design: Runout of outer taper to D1 ≤ 0,003 mm Tolerance of bore H4 (more accurate as DIN).

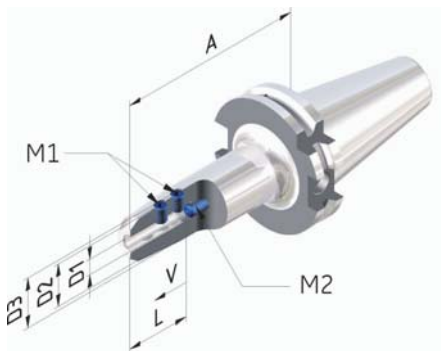
发货：带夹紧螺钉

Includes: Clamping screw.



TOOL HOLDER / 刀柄DIN 69871(SK)

Weldon Toolholder / SK-长度可调式侧固式铣刀柄



G2.5 25000min⁻¹ ↗ ≤ 3μ Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	D3	V	L	M	A 有效长度
H42.2206.100.2	SK40-6-100	40	6	13	24	36.5	M6	M5	100
H42.2208.100.2	SK40-8-100	40	8	15	26	36.5	M6	M6	100
H42.2210.100.2	SK40-10-100	40	10	16	28	40.5	M6	M8x1	100
H42.2212.100.2	SK40-12-100	40	12	17	29	45.5	M6	M10x1	100
H42.2214.100.2	SK40-14-100	40	14	19	32	45.5	M8	M10x1	100
H42.2216.100.2	SK40-16-100	40	16	21	34	48.5	M8	M12x1	100
H42.2218.100.2	SK40-18-100	40	18	23	36	48.5	M8	M12x1	100
H42.2220.100.2	SK40-20-100	40	20	25	38	50.5	M8	M16x1	100

应用：夹持DIN1835B/6359HB圆柱柄刀具

技术结构：外锥相对D1的跳动 ≤ 0.003 mm. 孔公差
级别H4（比DIN更精确）

发货：带夹紧螺钉和调节螺钉

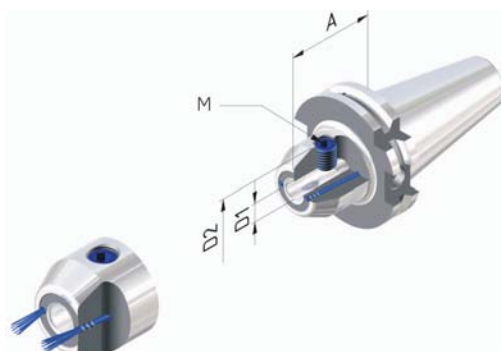
Application: For clamping tools with cylindrical shank
according to DIN 1835 B and E.

Technical Design: Runout of outer taper to D1 ≤ 0.003 mm
Tolerance of bore H4 (more accurate as DIN).

Includes: Special clamping screw(with ball head)
and set screw.

DIN 69871

Weldon Toolholder / SK-端面通水侧固式铣刀柄



G2.5 25000min⁻¹

≤ 3μ

Form 端面通水

Order No. 货号	Size 规格	SK	D1	D2	L	M	A 有效长度
H42.2006.50.3	SK40-6-50	40	6	25	35	M6	50
H42.2006.100.3	SK40-6-100	40	6	25	35	M6	100
H42.2008.50.3	SK40-8-50	40	8	28	35	M8	50
H42.2008.100.3	SK40-8-100	40	8	28	35	M8	100
H42.2010.50.3	SK40-10-50	40	10	35	41	M10	50
H42.2010.100.3	SK40-10-100	40	10	35	41	M10	100
H42.2012.50.3	SK40-12-50	40	12	42	48	M12	50
H42.2012.100.3	SK40-12-100	40	12	42	48	M12	100
H42.2014.50.3	SK40-14-50	40	14	42	48	M12	50
H42.2016.63.3	SK40-16-63	40	16	48	51	M14	63
H42.2016.100.3	SK40-16-100	40	16	48	51	M14	100
H42.2020.63.3	SK40-20-63	40	20	52	53	M16	63
H42.2020.100.3	SK40-20-100	40	20	52	53	M16	100
H42.2025.100.3	SK40-25-100	40	25	65	60	M18x2	100
H42.2032.100.3	SK40-32-100	40	32	72	64	M20x2	100
H52.2006.63.3	SK50-6-63	50	6	25	35	M6	63
H52.2008.63.3	SK50-8-63	50	8	28	35	M8	63
H52.2010.63.3	SK50-10-63	50	10	35	41	M10	63
H52.2012.63.3	SK50-12-63	50	12	42	48	M12	63
H52.2014.63.3	SK50-14-63	50	14	42	48	M12	63
H52.2016.63.3	SK50-16-63	50	16	48	51	M14	63
H52.2018.63.3	SK50-18-63	50	18	48	51	M14	63
H52.2020.63.3	SK50-20-63	50	20	52	53	M16	63
H42.2025.80.3	SK50-25-100	50	25	65	60	M18x2	80
H42.2032.100.3	SK50-32-100	50	32	72	64	M20x2	100

应用：专门用于无内冷刀具，用在难排屑加工

Application: Particularly suitable for tools without internal coolant, and for machining at difficult positions with bad chip removal.

技术结构：刀杆内两个孔将冷却剂直接冲到切削刃上，使用内冷刀具时，可以用螺钉堵住通水孔

Technical Design: Two holes in the toolholder lead the coolant directly to the cutting edge. Coolant holes can be re-sealed with screws for the use of tools with internal coolant holes.

发货：夹紧螺钉，2个M3密封螺钉

Includes: Clamping screw and 2 x M3-screws to plug the coolant holes if needed.



TOOL HOLDER / 刀柄DIN 69871(SK)

Combi Shell Mill Toolholder / SK-混合式铣刀柄



G2.5 25000min⁻¹

≤ 6μ

Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	L1	L2	M	A 有效长度
H42.4016.55.2	SK40-16-55	40	16	32	17	27	M8	55
H42.4016.100.2	SK40-16-100	40	16	32	17	27	M8	100
H42.4016.160.2	SK40-16-160	40	16	32	17	27	M8	160
H42.4022.55.2	SK40-22-55	40	22	40	19	31	M10	55
H42.4022.100.2	SK40-22-100	40	22	40	19	31	M10	100
H42.4022.160.2	SK40-22-160	40	22	40	19	31	M10	160
H42.4027.55.2	SK40-27-55	40	27	48	21	33	M12	55
H42.4027.100.2	SK40-27-100	40	27	48	21	33	M12	100
H42.4027.160.2	SK40-27-160	40	27	48	21	33	M12	160
H42.4032.60.2	SK40-32-60	40	32	58	24	38	M16	60
H42.4032.100.2	SK40-32-100	40	32	58	24	38	M16	100
H42.4032.160.2	SK40-32-160	40	32	58	24	38	M16	160
H52.4022.55.2	SK50-22-55	50	22	40	19	31	M8	55
H52.4022.100.2	SK50-22-100	50	22	40	19	31	M8	100
H52.4022.160.2	SK50-22-160	50	22	40	19	31	M8	160
H52.4027.55.2	SK50-27-55	50	27	48	21	33	M10	55
H52.4027.100.2	SK50-27-100	50	27	48	21	33	M10	100
H52.4027.160.2	SK50-27-160	50	27	48	21	33	M10	160
H52.4032.55.2	SK50-32-55	50	32	58	24	38	M12	55
H52.4032.100.2	SK50-32-100	50	32	58	24	38	M12	100
H52.4032.160.2	SK50-32-160	50	32	58	24	38	M12	160
H52.4040.55.2	SK50-40-55	50	40	70	27	41	M16	55
H52.4040.100.2	SK50-40-100	50	40	70	27	41	M16	100
H52.4040.160.2	SK50-40-160	50	40	70	27	41	M16	160

应用：适用于夹持带横向和纵向槽面铣刀

技术结构：外锥相对D1的跳动 ≤ 0,006 mm

发货：带夹紧螺钉, 传动键和调节环

Application:

Technical
Design:

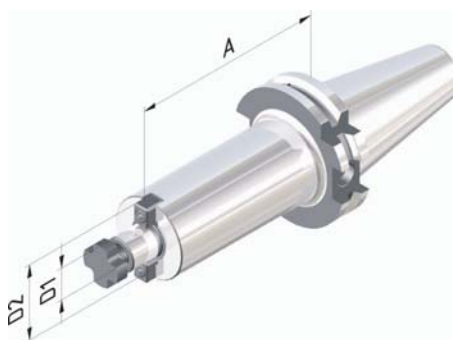
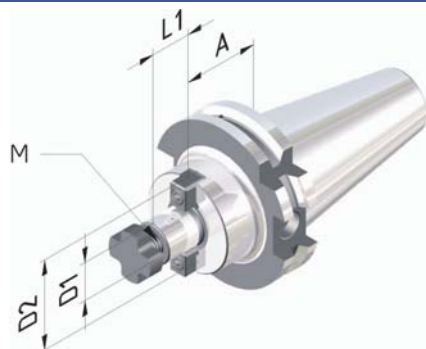
Includes:

For adapting shell mills with transverse and longitudinal groove.

Runout of outer taper to D1 ≤ 0,006 mm.

Clamping screw, drive key and adjusting spring.

DIN 69871

Sell Mill Toolholder / SK-面铣刀柄


G2.5 25000min⁻¹

↗ ≤ 6μ

Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	L	M	A 有效长度
H42.4116.35.2	SK40-16-35	40	16	38	17	M8	35
H42.4116.100.2	SK40-16-100	40	16	38	17	M8	100
H42.4122.35.2	SK40-22-35	40	22	48	19	M10	35
H42.4122.100.2	SK40-22-100	40	22	48	19	M10	100
H42.4122.160.2	SK40-22-160	40	22	48	19	M10	160
H42.4127.35.2	SK40-27-35	40	27	50	21	M12	35
H42.4127.100.2	SK40-27-100	40	27	50	21	M12	100
H42.4127.160.2	SK40-27-160	40	27	50	21	M12	160
H42.4132.50.2	SK40-32-50	40	32	78	24	M16	50
H42.4132.100.2	SK40-32-100	40	32	78	24	M16	100
H42.4132.160.2	SK40-32-160	40	32	78	24	M16	160
H42.4140.50.2	SK40-40-50	40	40	89	27	M20	50
H52.4122.35.2	SK50-22-35	50	22	48	19	M8	35
H52.4122.100.2	SK50-22-100	50	22	48	19	M8	100
H52.4122.160.2	SK50-22-160	50	22	48	19	M8	160
H52.4127.35.2	SK50-27-35	50	27	60	21	M10	35
H52.4127.100.2	SK50-27-100	50	27	60	21	M10	100
H52.4127.160.2	SK50-27-160	50	27	60	21	M10	160
H52.4132.35.2	SK50-32-35	50	32	78	24	M12	35
H52.4132.100.2	SK50-32-100	50	32	78	24	M12	100
H52.4132.160.2	SK50-32-160	50	32	78	24	M12	160
H52.4140.50.2	SK50-40-50	50	40	89	27	M16	50
H52.4140.100.2	SK50-40-100	50	40	89	27	M16	100
H52.4140.160.2	SK50-40-160	50	40	89	27	M16	160

应用：适用于夹持横向槽面铣刀

技术结构：带延长凸缘。外锥相对D1的
跳动 ≤ 0,006 mm

发货：带夹紧螺钉及传动键

Application: For adapting shell mills with transverse slot.

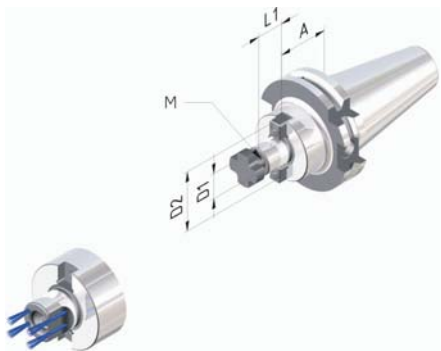
Technical Design: With extended flange. Runout of outer taper to D1 ≤ 0,006 mm.

Includes: Clamping screw and drive keys.



TOOL HOLDER / 刀柄DIN 69871(SK)

Sell Mill Toolholder / SK-端面通水面铣刀柄



G2.5 25000min⁻¹

↗ ≤ 6μ

Form 端面通水

Order No. 货号	Size 规格	SK	D1	D2	L	M	A 有效长度
H42.4116.35.3	SK40-16-35	40	16	38	17	M8	35
H42.4122.35.3	SK40-22-35	40	22	48	19	M10	35
H42.4127.35.3	SK40-27-35	40	27	60	21	M12	35
H42.4132.50.3	SK40-32-50	40	32	78	24	M16	50

DIN 69871

应用：适用于夹持横向槽面铣刀

技术结构：带延长凸缘，外锥相对D1的
跳动 ≤ 0,006 mm

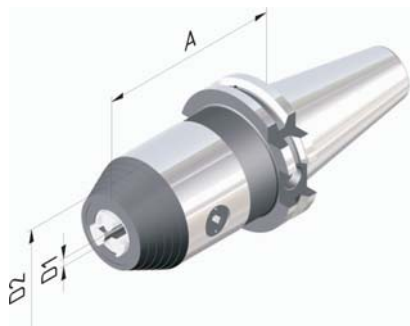
发货：带夹紧螺钉及传动键

Application: For adapting shell mills with coolant through
to the cutting edges.

Technical Design: With extended flange Runout of outer taper
to D1 ≤ 0,006 mm.

Includes: Clamping screw and drive keys.

CNC Drill Chuck / SK-钻夹头刀柄



G6.3 12000min⁻¹

Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	A 有效长度
H42.5013.103.2	SK40-13-103	40	1-13	50	103
H42.5013.130.2	SK40-13-130	40	1-13	50	130
H52.5013.160.2	SK40-13-160	40	1-13	50	160
H52.5013.180.2	SK40-13-180	40	1-13	50	180
H42.5013.220.2	SK40-13-220	40	1-13	50	220
H42.5016.108.2	SK40-16-108	40	2.5-16	50	108.5
H42.5016.165.2	SK40-16-165	40	2.5-16	50	165.5
H42.5016.185.2	SK40-16-185	40	2.5-16	50	185.5
H42.5016.225.2	SK40-16-225	40	2.5-16	50	225.5
H52.5013.103.2	SK50-13-103	50	1-13	50	103
H52.5013.160.2	SK50-13-160	50	1-13	50	160
H52.5013.300.2	SK50-13-300	50	1-13	50	300
H52.5016.108.2	SK50-16-108	50	2.5-16	50	108.5
H52.5016.165.2	SK50-16-165	50	2.5-16	50	165.5
H52.5016.305.2	SK50-16-305	50	2.5-16	50	305.5

应用：夹持圆柱柄刀具

Application: For clamping tools with cylindrical shank.

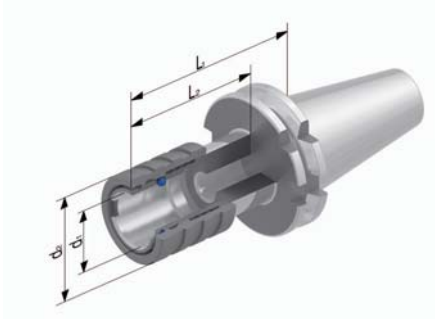
发货：带扳手

Includes: Wrench.



TOOL HOLDER / 刀柄DIN 69871(SK)

Quick Change Tapping Chucks With Length Compensation SK-弹性快换攻丝刀柄



G6.3 12000min⁻¹

Form AD/B

Order No. 货号	Size 规格	SK	丝锥 直径	插件 规格	长度调节 压 拉		d1	d2	l1	G	重量
H32.6012.63.2	SK30-M3-M12-63	30	M3-M12	Gr.1	7.5	7.5	19	36	63.5	M12	0.5
H32.6020.98.2	SK30-M8-M20-98	30	M8-M20	Gr.2	12.5	12.5	31	53	98.5	M12	1.0
H42.6012.79.2	SK40-M3-M12-79	40	M3-M12	Gr.1	7.5	7.5	19	36	79	M16	1.1
H42.6020.105.2	SK40-M8-M20-105	40	M8-M20	Gr.2	12.5	12.5	31	53	105	M16	1.5
H42.6033.164.2	SK40-M14-M33-164	40	M14-M33	Gr.3	20	20	48	78	164	M16	3.3
H52.6012.79.2	SK50-M3-M12-79	50	M3-M12	Gr.1	7.5	7.5	19	36	79	M24	3.0
H52.6020.105.2	SK50-M8-M20-105	50	M8-M20	Gr.2	12.5	12.5	31	53	105	M24	3.3
H52.6033.142.2	SK50-M14-M33-142	50	M14-M33	Gr.3	20	20	48	78	142	M24	5.2
H52.6048.172.2	SK50-M22-M48-172	50	M22-M48	Gr.4	22.5	22.5	60	96	172	M24	6.5
H52.6048.240.2	SK50-M33-M48-240	50	M33-M48	Gr.5	22.5	22.5	60	96	240	M24	6.5

DIN 69871

应用：用于螺纹攻丝,带长度自动补偿功能
可平衡机床主轴过大或过小的进给量
避免螺纹的误切,还可避免加工盲孔
螺纹时丝锥切到孔底而被折断或扭断

技术结构：AD/B型

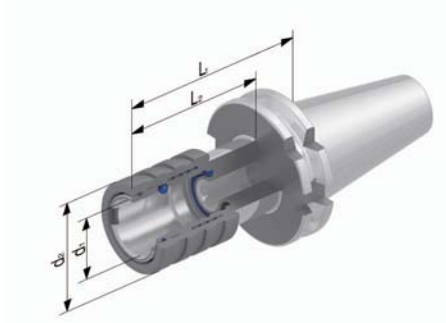
发货：

Application: For tapping preferably.Axial length.

Technical Design: Form AD/B

Includes:

Quick Change Tapping Chuck Synchro
SK-同步式快换攻丝刀柄



G2.5 25000min⁻¹

Form AD/B

Order No. 货号	Size 规格	SK	丝锥 直径	插件 规格	d1	d2	l1	G	重量
H32.6112.65.2	SK30-M3-M12-65	30	M3-M12	Gr.1	19	36	65	M12	0.5
H32.6120.89.2	SK30-M8-M20-89	30	M8-M20	Gr.2	31	53	89	M12	1.0
H42.6112.65.2	SK40-M3-M12-65	40	M3-M12	Gr.1	19	36	65	M16	1.1
H42.6120.79.2	SK40-M8-M20-79	40	M8-M20	Gr.2	31	53	79	M16	1.5
H42.6133.115.2	SK40-M14-M33-115	40	M14-M33	Gr.3	48	78	115	M16	3.3
H52.6112.65.2	SK50-M3-M12-65	50	M3-M12	Gr.1	19	36	65	M24	3.0
H52.6120.79.2	SK50-M8-M20-79	50	M8-M20	Gr.2	31	53	79	M24	3.3
H52.6133.115.2	SK50-M14-M33-115	50	M14-M33	Gr.3	48	78	115	M24	5.2
H52.6148.170.2	SK50-M22-M48-170	50	M22-M48	Gr.3	60	96	170	M24	6.5

应用：螺纹加工, 主要应用于强制性轴向
进给机床

技术结构：AD/B型

发货：

Application: For tapping preferably. Axial length
nonadjustable

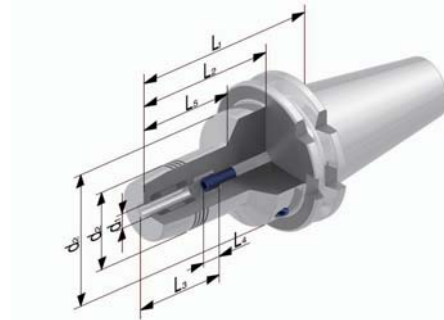
Technical Design: From AD/B

Includes:



TOOL HOLDER / 刀柄DIN 69871(SK)

SK Hydraulic Expansion Chuck / SK-液压刀柄



G2.5 25000min⁻¹

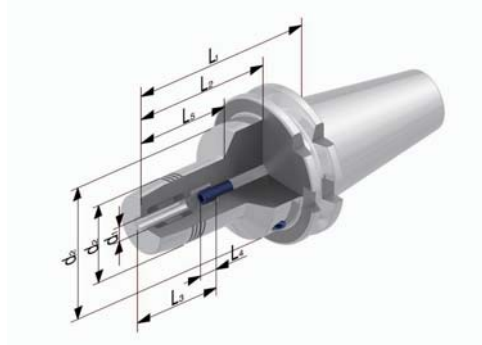
≤ 5μ

Form AD/B

Order No. 货号	Size 规格	SK	d1	d2	d3	L1	L2	L3	L4	L5	g	G
H32.7006.60.2	SK30-6-60	30	6	26	45	60	41	37	10	25	M5	M12
H32.7008.64.2	SK30-8-64	30	8	28	45	64	45	37	10	29	M6	M12
H32.7010.64.2	SK30-10-64	30	10	30	45	64	45	42	10	35	M 8x1	M12
H32.7012.72.2	SK30-12-72	30	12	32	45	72	53	47	10	43	M10x1	M12
H32.7014.72.2	SK30-14-72	30	14	34	45	72	53	47	10	42	M10x1	M12
H32.7016.72.2	SK30-16-72	30	16	38	45	72	53	52	10	43	M12x1	M12
H32.7018.72.2	SK30-18-72	30	18	40	45	72	53	52	10	43	M12x1	M12
H32.7020.90.2	SK30-20-90	30	20	42	42	90	71	52	10	71	M12x1	M12
H42.7006.68.2	SK40-6-68	40	6	26	50	68	49	37	10	33	M5	M16
H42.7008.68.2	SK40-8-68	40	8	28	50	68	49	37	10	33	M6	M16
H42.7010.72.2	SK40-10-72	40	10	30	50	72	53	42	10	37	M 8x1	M16
H42.7012.77.2	SK40-12-77	40	12	32	50	77	58	47	10	42	M10x1	M16
H42.7014.77.2	SK40-14-77	40	14	34	50	77	58	47	10	42	M10x1	M16
H42.7016.80.2	SK40-16-80	40	16	38	50	80	61	52	10	43	M12x1	M16
H42.7018.80.2	SK40-18-80	40	18	40	50	80	61	52	10	43	M12x1	M16
H42.7020.82.2	SK40-20-82	40	20	42	50	82	63	52	10	47	M12x1	M16
H42.7025.117.2	SK40-25-117	40	25	50	63	117	98	58	10	51	M16x1	M16
H42.7032.117.2	SK40-32-117	40	32	60	63	117	98	62	10	56	M16x1	M16
H52.7006.68.2	SK50-6-68	50	6	26	80	68	49	37	10	33	M5	M24
H52.7008.68.2	SK50-8-68	50	8	28	80	68	49	37	10	33	M6	M24
H52.7010.72.2	SK50-10-72	50	10	30	80	72	53	42	10	37	M 8x1	M24
H52.7012.77.2	SK50-12-77	50	12	32	80	77	58	47	10	42	M10x1	M24
H52.7014.77.2	SK50-14-77	50	14	34	80	77	58	47	10	42	M10x1	M24
H52.7016.80.2	SK50-16-80	50	16	38	80	80	61	52	10	45	M12x1	M24

DIN 69871

SK Hydraulic Expansion Chuck / SK-液压刀柄



G2.5 25000min⁻¹

≤ 5μ

Form AD/B

Order No. 货号	Size 规格	SK	d1	d2	d3	L1	L2	L3	L4	L5	g	G
H52.7018.80.2	SK50-18-80	50	18	40	80	80	61	52	10	45	M12x1	M24
H52.7020.82.2	SK50-20-82	50	20	42	80	82	63	52	10	47	M16x1	M24
H52.7025.87.2	SK50-25-87	50	25	50	80	87	68	58	10	52	M16x1	M24
H52.7032.91.2	SK50-32-91	50	32	60	80	91	72	62	10	56	M16x1	M24
H52.7040.120.2	SK50-32-91	50	40	70	70	120	101	74	10	101	M16x1	M24
H52.7050.120.2	SK50-32-91	50	50	78	78	120	101	82	10	101	M20x1	M24

应用：用于夹持圆柱柄DIN1835A+B+E型和DIN6535
HA+HB+HE型(直径≥12mm时，可用减径套)
被夹持刀具的柄部公差要达到h6

技术结构：

发货：

Application: For mounting straight-shank tools acc
DIN 1835 form A+B+E and DIN 6535 form
HA+HB+HE(larger than dia.12mm only
with reduction sleeve)The Tolerance a of
Tools Should be h6

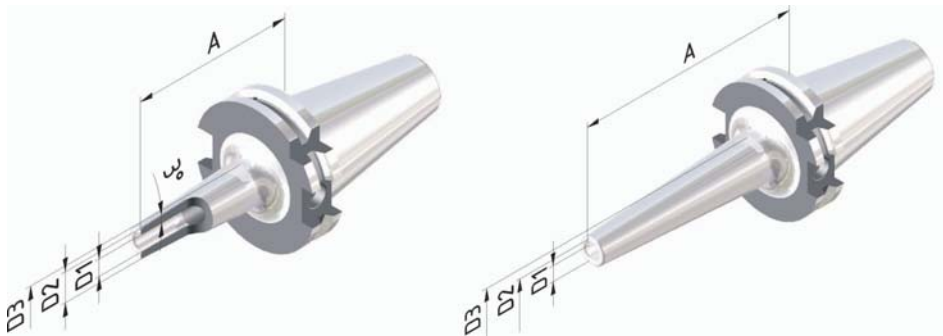
Technical
Design:

Includes:



TOOL HOLDER / 刀柄DIN 69871(SK)

SK 3° Shrink / SK 3° 热缩刀柄



G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	D3	A 有效长度
H42.8106.80.2	SK40-6-80	40	6	12	19	80
H42.8106.120.2	SK40-6-120	40	6	12	23	120
H42.8108.80.2	SK40-8-80	40	8	14	21	80
H42.8108.120.2	SK40-8-120	40	8	14	25	120
H42.8110.80.2	SK40-10-80	40	10	16	23	80
H42.8110.120.2	SK40-10-120	40	10	16	27	120
H42.8112.80.2	SK40-12-80	40	12	18	25	80
H42.8112.120.2	SK40-12-120	40	12	18	29	120

DIN 69871

应用：夹持硬质合金或高速钢圆柱柄刀具，
圆柱柄公差H6

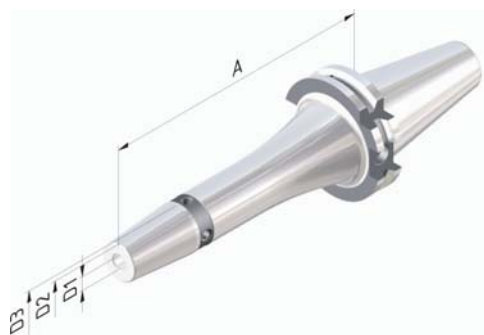
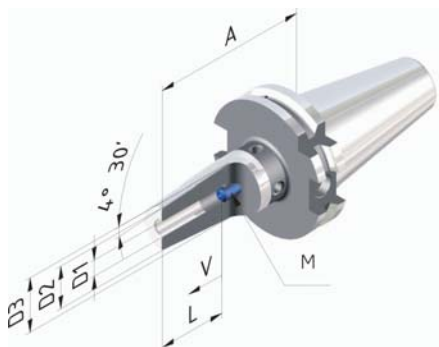
技术结构：特殊耐热钢制作，适用于热缩装置
外锥相对D1跳动≤ 0.003 mm.孔公
差级别H4（比DIN更精确）

发货：

Application: For clamping tools with cylindrical shank

Technical Design: Made of special heat resistant steel. Suitable for inductive shrinking unit.
Runout of outer taper to D1 ≤ 0.003 mm
Tolerance of bore H4 (more accurate as DIN)

Includes:

SK 4.5° Shrink / SK 4.5° 热缩刀柄

G2.5 25000min⁻¹
 ≤ 3μ

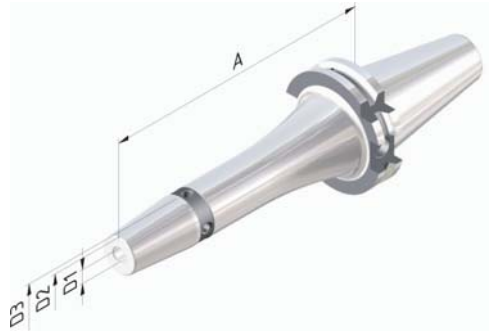
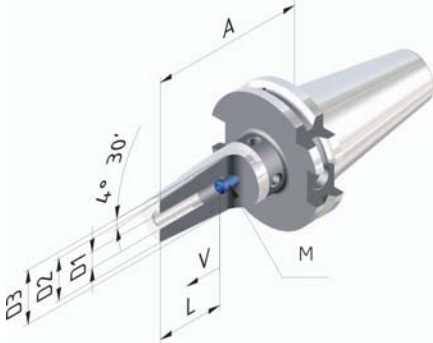
Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	D3	V	L	M	A 有效长度
H42.8003.80.2	SK40-3-80	40	3	12	17	-	-	-	80
H42.8003.120.2	SK40-3-120	40	3	9	25	-	-	-	120
H42.8004.80.2	SK40-4-80	40	4	12	17	-	-	-	80
H42.8004.120.2	SK40-4-120	40	4	9	25	-	-	-	120
H42.8005.80.2	SK40-5-80	40	5	12	17	-	-	-	80
H42.8005.120.2	SK40-5-120	40	5	9	25	-	-	-	120
H42.8006.80.2	SK40-6-80	40	6	21	27	10	37	M5	80
H42.8006.120.2	SK40-6-120	40	6	21	27	10	37	M5	120
H42.8006.130.2	SK40-6-130	40	6	21	27	10	37	M5	130
H42.8006.160.2	SK40-6-160	40	6	21	27	10	37	M5	160
H42.8006.200.2	SK40-6-200	40	6	21	27	10	37	M5	200
H42.8008.80.2	SK40-8-80	40	8	21	27	10	37	M6	80
H42.8008.120.2	SK40-8-120	40	8	21	27	10	37	M6	120
H42.8008.130.2	SK40-8-130	40	8	21	27	10	37	M6	130
H42.8008.160.2	SK40-8-160	40	8	21	27	10	37	M6	160
H42.8008.200.2	SK40-8-200	40	8	21	27	10	37	M6	200
H42.8010.80.2	SK40-10-80	40	10	24	32	10	42	M8x1	80
H42.8010.120.2	SK40-10-120	40	10	24	32	10	42	M8x1	120
H42.8010.130.2	SK40-10-130	40	10	24	32	10	42	M8x1	130
H42.8010.160.2	SK40-10-160	40	10	24	32	10	42	M8x1	160
H42.8010.200.2	SK40-10-200	40	10	24	32	10	42	M8x1	200
H42.8012.80.2	SK40-12-80	40	12	24	32	10	48	M10x1	80
H42.8012.120.2	SK40-12-120	40	12	24	32	10	48	M10x1	120
H42.8012.130.2	SK40-12-130	40	12	24	32	10	48	M10x1	130
H42.8012.160.2	SK40-12-160	40	12	24	32	10	48	M10x1	160
H42.8012.200.2	SK40-12-200	40	12	24	32	10	48	M10x1	200



TOOL HOLDER / 刀柄DIN 69871(SK)

SK 4.5° Shrink / SK 4.5° 热缩刀柄



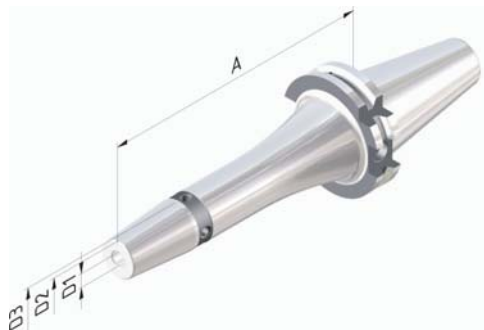
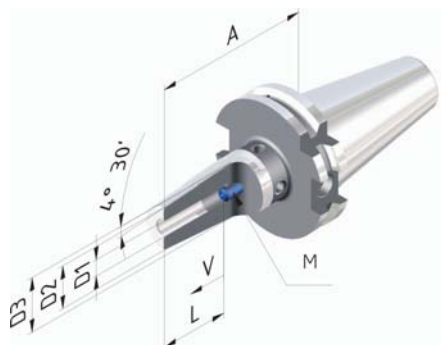
G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	D3	V	L	M	A 有效长度
H42.8014.80.2	SK40-14-80	40	14	27	34	10	48	M10x1	80
H42.8014.120.2	SK40-14-120	40	14	27	34	10	48	M10x1	120
H42.8014.130.2	SK40-14-130	40	14	27	34	10	48	M10x1	130
H42.8014.160.2	SK40-14-160	40	14	27	34	10	48	M10x1	160
H42.8014.200.2	SK40-14-200	40	14	27	34	10	48	M10x1	200
H42.8016.80.2	SK40-16-80	40	16	27	34	10	51	M12x1	80
H42.8016.120.2	SK40-16-120	40	16	27	34	10	51	M12x1	120
H42.8016.130.2	SK40-16-130	40	16	27	34	10	51	M12x1	130
H42.8016.160.2	SK40-16-160	40	16	27	34	10	51	M12x1	160
H42.8016.200.2	SK40-16-200	40	16	27	34	10	51	M12x1	200
H42.8018.80.2	SK40-18-80	40	18	33	42	10	51	M12x1	80
H42.8018.120.2	SK40-18-120	40	18	33	42	10	51	M12x1	120
H42.8018.130.2	SK40-18-130	40	18	33	42	10	51	M12x1	130
H42.8018.160.2	SK40-18-160	40	18	33	42	10	51	M12x1	160
H42.8018.200.2	SK40-18-200	40	18	33	42	10	51	M12x1	200
H42.8020.80.2	SK40-20-80	40	20	33	42	10	53	M16x1	80
H42.8020.120.2	SK40-20-120	40	20	33	42	10	53	M16x1	120
H42.8020.130.2	SK40-20-130	40	20	33	42	10	53	M16x1	130
H42.8020.160.2	SK40-20-160	40	20	33	42	10	53	M16x1	160
H42.8020.200.2	SK40-20-200	40	20	33	42	10	53	M16x1	200
H42.8025.100.2	SK40-25-100	40	25	44	53	10	59	M16x1	100
H42.8025.120.2	SK40-25-120	40	25	44	53	10	59	M16x1	120
H42.8025.130.2	SK40-25-130	40	25	44	53	10	59	M16x1	130
H42.8025.160.2	SK40-25-160	40	25	44	53	10	59	M16x1	160
H42.8025.200.2	SK40-25-200	40	25	44	53	10	59	M16x1	200
H42.8032.100.2	SK40-32-100	40	32	44	53	10	63	M16x1	100

DIN 69871

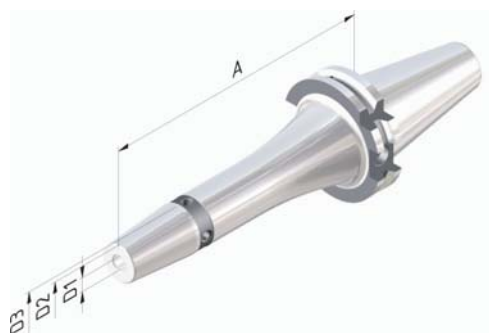
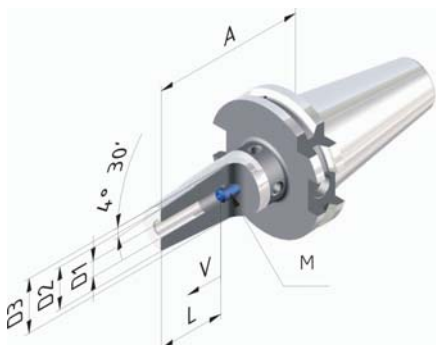
SK 4.5° Shrink / SK 4.5° 热缩刀柄

G2.5 25000min⁻¹
 ≤ 3μ

Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	D3	V	L	M	A 有效长度
H52.8006.80.2	SK50-6-80	50	6	21	27	10	37	M5	80
H52.8006.120.2	SK50-6-120	50	6	21	27	10	37	M5	120
H52.8006.130.2	SK50-6-130	50	6	21	27	10	37	M5	130
H52.8006.160.2	SK50-6-160	50	6	21	27	10	37	M5	160
H52.8006.200.2	SK50-6-200	50	6	21	27	10	37	M5	200
H52.8008.80.2	SK50-8-80	50	8	21	27	10	37	M6	80
H52.8008.120.2	SK50-8-120	50	8	21	27	10	37	M6	120
H52.8008.130.2	SK50-8-130	50	8	21	27	10	37	M6	130
H52.8008.160.2	SK50-8-160	50	8	21	27	10	37	M6	160
H52.8008.200.2	SK50-8-200	50	8	21	27	10	37	M6	200
H52.8010.80.2	SK50-10-80	50	10	24	32	10	42	M8x1	80
H52.8010.120.2	SK50-10-120	50	10	24	32	10	42	M8x1	120
H52.8010.130.2	SK50-10-130	50	10	24	32	10	42	M8x1	130
H52.8010.160.2	SK50-10-160	50	10	24	32	10	42	M8x1	160
H52.8010.200.2	SK50-10-200	50	10	24	32	10	42	M8x1	200
H52.8012.80.2	SK50-12-80	50	12	24	32	10	48	M10x1	80
H52.8012.120.2	SK50-12-120	50	12	24	32	10	48	M10x1	120
H52.8012.130.2	SK50-12-130	50	12	24	32	10	48	M10x1	130
H52.8012.160.2	SK50-12-160	50	12	24	32	10	48	M10x1	160
H52.8012.200.2	SK50-12-200	50	12	24	32	10	48	M10x1	200
H52.8014.80.2	SK50-14-80	50	14	27	34	10	48	M10x1	80
H52.8014.120.2	SK50-14-120	50	14	27	34	10	48	M10x1	120
H52.8014.130.2	SK50-14-130	50	14	27	34	10	48	M10x1	130
H52.8014.160.2	SK50-14-160	50	14	27	34	10	48	M10x1	160
H52.8014.200.2	SK50-14-200	50	14	27	34	10	48	M10x1	200
H52.8016.80.2	SK50-16-80	50	16	27	34	10	51	M12x1	80
H52.8016.120.2	SK50-16-120	50	16	27	34	10	51	M12x1	120
H52.8016.130.2	SK50-16-130	50	16	27	34	10	51	M12x1	130
H52.8016.160.2	SK50-16-160	50	16	27	34	10	51	M12x1	160
H52.8016.200.2	SK50-16-200	50	16	27	34	10	51	M12x1	200

TOOL HOLDER / 刀柄DIN 69871(SK)

SK 4.5° Shrink / SK 4.5° 热缩刀柄



G2.5 25000min⁻¹

≤ 3μ

Form AD/B

Order No. 货号	Size 规格	SK	D1	D2	D3	V	L	M	A 有效长度
H52.8018.80.2	SK50-18-80	50	18	33	42	10	51	M12x1	80
H52.8018.120.2	SK50-18-120	50	18	33	42	10	51	M12x1	120
H52.8018.130.2	SK50-18-130	50	18	33	42	10	51	M12x1	130
H52.8018.160.2	SK50-18-160	50	18	33	42	10	51	M12x1	160
H52.8018.200.2	SK50-18-200	50	18	33	42	10	51	M12x1	200
H52.8020.80.2	SK50-20-80	50	20	33	42	10	53	M16x1	80
H52.8020.120.2	SK50-20-120	50	20	33	42	10	53	M16x1	120
H52.8020.130.2	SK50-20-130	50	20	33	42	10	53	M16x1	130
H52.8020.160.2	SK50-20-160	50	20	33	42	10	53	M16x1	160
H52.8020.200.2	SK50-20-200	50	20	33	42	10	53	M16x1	200
H52.8025.100.2	SK50-25-100	50	25	44	53	10	59	M16x1	100
H52.8025.120.2	SK50-25-120	50	25	44	53	10	59	M16x1	120
H52.8025.130.2	SK50-25-130	50	25	44	53	10	59	M16x1	130
H52.8025.160.2	SK50-25-160	50	25	44	53	10	59	M16x1	160
H52.8025.200.2	SK50-25-200	50	25	44	53	10	59	M16x1	200
H52.8032.100.2	SK50-32-100	50	32	44	53	10	63	M16x1	100
H52.8032.120.2	SK50-32-120	50	32	44	53	10	63	M16x1	120
H52.8032.130.2	SK50-32-130	50	32	44	53	10	63	M16x1	130
H52.8032.160.2	SK50-32-160	50	32	44	53	10	63	M16x1	160
H52.8032.200.2	SK50-32-200	50	32	44	53	10	63	M16x1	200

应用：夹持硬质合金或高速钢圆柱柄刀具，
圆柱柄公差H6

技术结构：特殊耐热钢制作，适用于热缩装置
带四个额外螺纹用于辅助精细调
平衡，外锥相对D1跳动≤0.003mm
孔公差级别H4 比DIN更精确

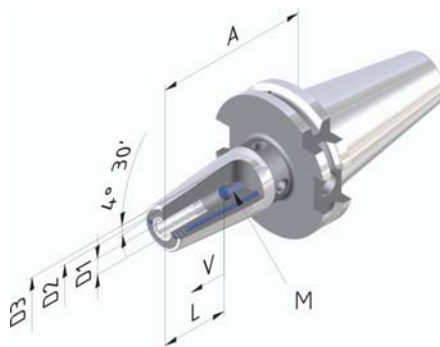
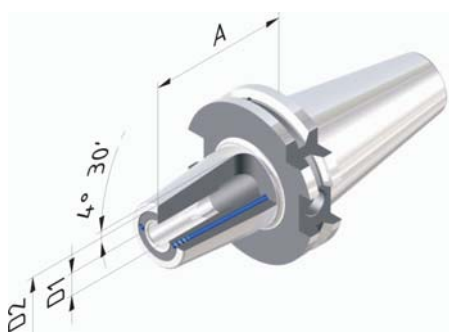
发货：带调节螺钉

Application: For clamping tools with cylindrical shank.

Technical Design: Made of special heat resistant steel. Suitable for inductive shrinking unit. With four additional threads for supplementary fine balancing. Runout of outer taper to D1 ≤ 0.003 mm Tolerance of bore H4 (more accurate as DIN).

Includes: Set screw.

SK 4.5° Shrink / SK 4.5° 端面通水热缩刀柄



G2.5 25000min⁻¹

≤ 3μ

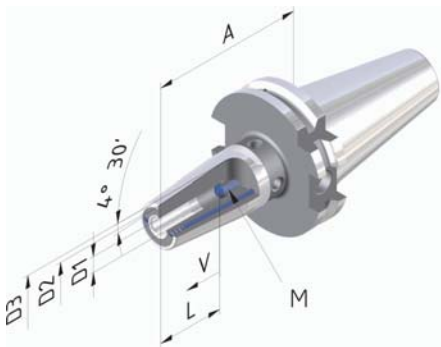
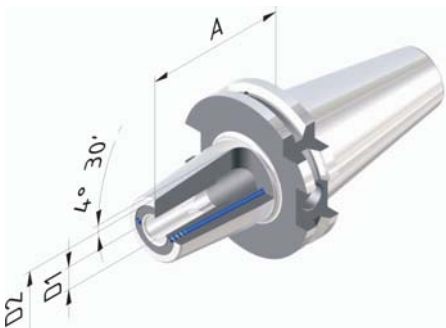
Form 端面通水

Order No. 货号	Size 规格	SK	D1	D2	D3	V	L	M	A 有效长度
H42.8006.80.3	SK40-6-80	40	6	21	27	10	37	M5	80
H42.8006.120.3	SK40-6-120	40	6	21	27	10	37	M5	120
H42.8008.80.3	SK40-8-80	40	8	21	27	10	37	M6	80
H42.8008.120.3	SK40-8-120	40	8	21	27	10	37	M6	120
H42.8010.65.3	SK40-10-65	40	10	26	-	-	42	-	65
H42.8010.80.3	SK40-10-80	40	10	24	32	10	42	M8x1	80
H42.8010.120.3	SK40-10-120	40	10	24	32	10	42	M8x1	120
H42.8012.65.3	SK40-12-65	40	12	26	-	-	48	-	65
H42.8012.80.3	SK40-12-80	40	12	24	32	10	48	M10x1	80
H42.8012.120.3	SK40-12-120	40	12	24	32	10	48	M10x1	120
H42.8014.80.3	SK40-14-80	40	14	27	34	10	48	M10x1	80
H42.8014.120.3	SK40-14-120	40	14	27	34	10	48	M10x1	120
H42.8016.65.3	SK40-16-65	40	16	29	-	-	51	-	65
H42.8016.80.3	SK40-16-80	40	16	27	34	10	51	M12x1	80
H42.8016.120.3	SK40-16-120	40	16	27	34	10	51	M12x1	120
H42.8018.80.3	SK40-18-80	40	18	33	42	10	51	M12x1	80
H42.8018.120.3	SK40-18-120	40	18	33	42	10	51	M12x1	120
H42.8020.65.3	SK40-20-65	40	20	35	-	-	53	-	65
H42.8020.80.3	SK40-20-80	40	20	33	42	10	53	M16x1	80
H42.8020.120.3	SK40-20-120	40	20	33	42	10	53	M16x1	120
H42.8025.65.3	SK40-25-65	40	25	45	-	-	59	-	65
H42.8025.100.3	SK40-25-100	40	25	44	53	10	59	M16x1	100
H52.8006.80.3	SK50-6-80	50	6	21	27	10	37	M5	80
H52.8008.80.3	SK50-8-80	50	8	21	27	10	37	M6	80
H52.8010.80.3	SK50-10-80	50	10	24	32	10	42	M8x1	80



TOOL HOLDER / 刀柄DIN 69871(SK)

SK 4.5° Shrink / SK 4.5° 端面通水热缩刀柄



G2.5 25000min⁻¹

≤ 3μ

Form 端面通水

Order No. 货号	Size 规格	SK	D1	D2	D3	V	L	M	A 有效长度
H52.8012.80.3	SK50-12-80	50	12	24	32	10	48	M10x1	80
H52.8014.80.3	SK50-14-80	50	14	27	34	10	48	M10x1	80
H52.8016.80.3	SK50-16-80	50	16	27	34	10	51	M12x1	80
H52.8018.80.3	SK50-18-80	50	18	33	42	10	51	M12x1	80
H52.8020.80.3	SK50-20-80	50	20	33	42	10	53	M16x1	80
H52.8025.100.3	SK50-25-100	50	25	44	53	10	59	M16x1	100
H52.8032.100.3	SK50-32-100	50	32	44	53	10	63	M16x1	100

应用：专门用于无内冷刀具，用在难排屑加工

技术结构：刀杆内两个孔将冷却剂直接冲到切削刃。使用内冷刀具的时，可以用螺钉堵住通水孔

发货：调节螺钉，2个M3密封螺钉

Application: Particularly suitable for tools without internal coolant, and for machining at difficult positions with bad chip removal.

Technical Design: Two holes in the toolholder lead the coolant directly to the cutting edge. Coolant holes can be re-sealed with screws for the use of tools wirh internal coolant holes.

Includes: Set screw and 2 x M3 screws to plug the coolant holes if needed.

DIN 69871

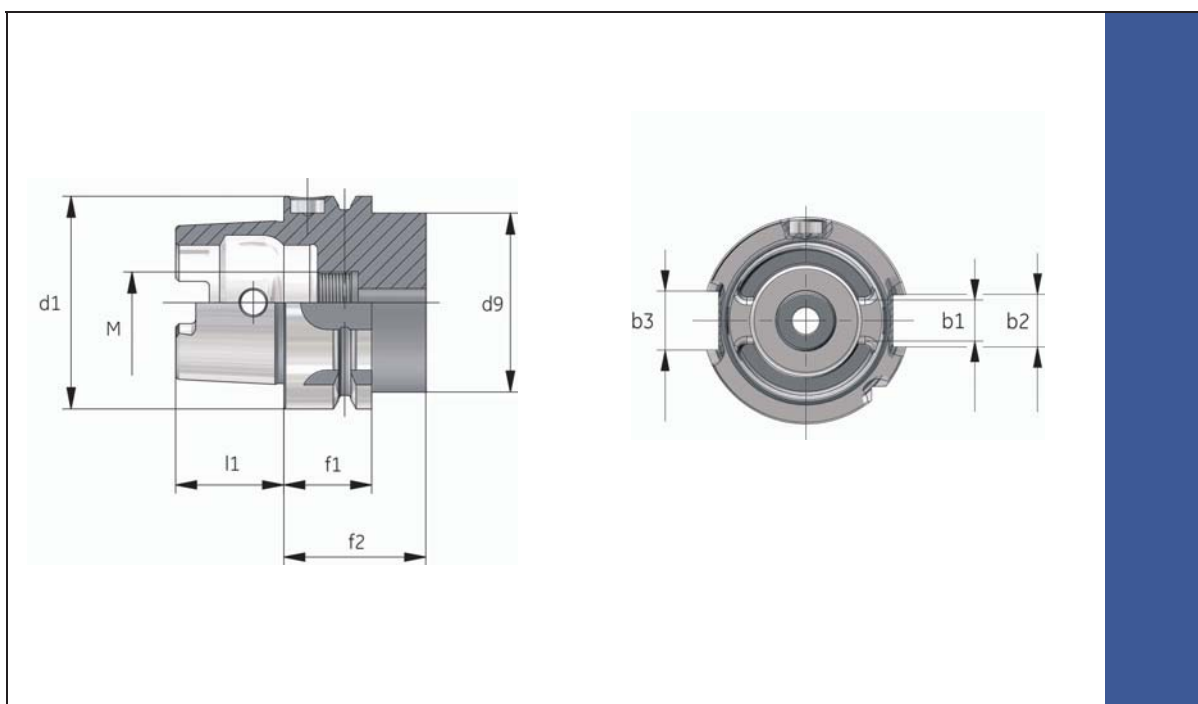
刀柄

HSK-A40+A50

HSK-A63+A100

HSK E40+E50

DIN 69893 (HSK)



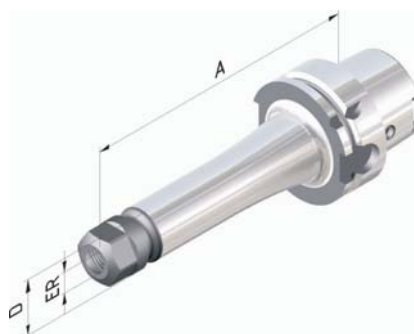
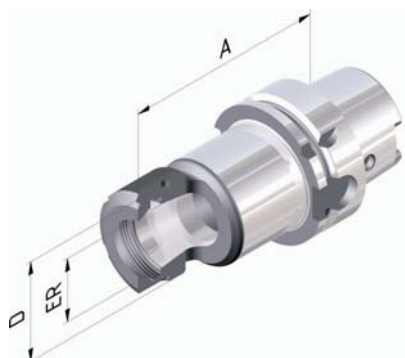
HSK	d1	d9 max.	l1	f1	f2 min.	b1	b2	b3	M
A40	40	34	20	20	35	8.05	9	11	M12x1
A50	50	42	25	26	42	10.54	12	14	M16x1
A63	63	53	32	26	42	12.54	16	18	M18x1
A100	100	85	50	29	45	20.02	20	22	M24x1.5
E40	40	34	20	20	35				M12x1
E50	51	42	25	26	42				M16x1



TOOL HOLDER / 刀柄 DIN 69893(HSK)

ER弹簧夹头刀柄	3.03	ER迷你弹簧夹头刀柄	3.05
侧固式刀柄	3.06	加长侧固式刀柄	3.09
端面通水侧固式刀柄	3.10	斜2° 侧固式铣刀柄	3.11
带扁尾莫氏刀柄	3.12	混合式铣刀柄	3.13
面铣刀柄	3.15	端面通水面铣刀柄	3.17
钻夹头刀柄	3.18	弹性快换攻丝刀柄	3.19
刚性快换攻丝刀柄	3.20	液压刀柄	3.21
热缩刀柄	3.22	端面通水热缩刀柄	3.30

HSK-A Collet Chuck ER / HSK-A ER弹簧夹头刀柄



G2.5 25000min⁻¹

↗ ≤ 3μ

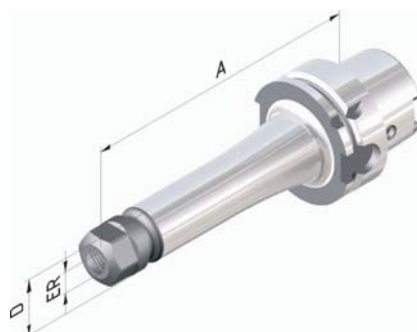
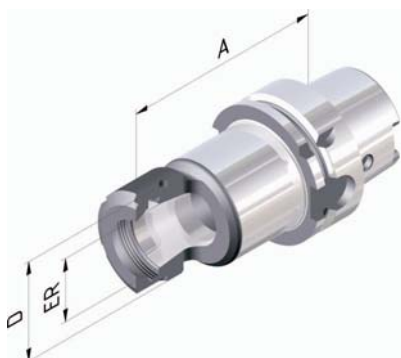
From AD

Order No. 货号	Size 规格	HSK	ER	Capacity 夹持范围	D 螺帽外径	A 有效长度
H44.1011.80.1	HSK-A40-ER11-80	40	ER11	1-7	19	80
H44.1016.60.1	HSK-A40-ER16-60	40	ER16	1-10	28	60
H44.1016.80.1	HSK-A40-ER16-80	40	ER16	1-10	28	80
H44.1025.70.1	HSK-A40-ER25-70	40	ER25	1-16	42	70
H44.1025.80.1	HSK-A40-ER25-80	40	ER25	1-16	42	80
H44.1032.70.1	HSK-A40-ER32-70	40	ER32	2-20	50	70
H54.1016.60.1	HSK-A50-ER16-60	50	ER16	1-10	28	60
H54.1016.100.1	HSK-A50-ER16-100	50	ER16	1-10	28	100
H54.1025.70.1	HSK-A50-ER25-70	50	ER25	1-16	42	70
H54.1025.100.1	HSK-A50-ER25-100	50	ER25	1-16	42	100
H54.1032.80.1	HSK-A50-ER32-80	50	ER32	2-20	50	80
H54.1032.100.1	HSK-A50-ER32-100	50	ER32	2-20	50	100
H64.1011.75.1	HSK-A63-ER11-75	63	ER11	1-7	20	75
H64.1016.75.1	HSK-A63-ER16-75	63	ER16	1-10	28	75
H64.1016.100.1	HSK-A63-ER16-100	63	ER16	1-10	28	100
H64.1016.160.1	HSK-A63-ER16-160	63	ER16	1-10	28	160
H64.1025.75.1	HSK-A63-ER25-75	63	ER25	1-16	42	75
H64.1025.100.1	HSK-A63-ER25-100	63	ER25	1-16	42	100
H64.1025.160.1	HSK-A63-ER25-160	63	ER25	1-16	43	160
H64.1032.75.1	HSK-A63-ER32-75	63	ER32	2-20	50	75
H64.1032.100.1	HSK-A63-ER32-100	63	ER32	2-20	50	100
H64.1032.160.1	HSK-A63-ER32-160	63	ER32	2-20	50	160
H64.1040.85.1	HSK-A63-ER40-85	63	ER40	4-26	63	85
H64.1040.120.1	HSK-A63-ER40-120	63	ER40	4-26	63	120
H64.1040.160.1	HSK-A63-ER40-160	63	ER40	4-26	63	160



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A/E Collet Chuck ER / HSK-A/E ER弹簧夹头刀柄



G2.5 25000min⁻¹

≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	ER	Capacity 夹持范围	D 螺帽外径	A 有效长度
H104.1016.100.1	HSK-A100-ER16-100	100	ER16	1-10	28	100
H104.1016.160.1	HSK-A100-ER16-160	100	ER16	1-10	28	160
H104.1016.200.1	HSK-A100-ER16-200	100	ER16	1-10	28	200
H104.1025.100.1	HSK-A100-ER25-100	100	ER25	1-16	42	100
H104.1025.160.1	HSK-A100-ER25-160	100	ER25	1-16	42	160
H104.1025.200.1	HSK-A100-ER25-200	100	ER25	1-16	42	200
H104.1032.100.1	HSK-A100-ER32-100	100	ER32	2-20	50	100
H104.1032.160.1	HSK-A100-ER32-160	100	ER32	2-20	50	160
H104.1032.200.1	HSK-A100-ER32-200	100	ER32	2-20	50	200
H104.1040.120.1	HSK-A100-ER40-120	100	ER40	4-26	63	120
H104.1040.160.1	HSK-A100-ER40-160	100	ER40	4-26	63	160
H104.1040.200.1	HSK-A100-ER40-200	100	ER40	4-26	63	200
H45.1011.60.1	HSK-E40-ER11-60	40	ER11	1-7	19	60
H45.1016.60.1	HSK-E40-ER16-60	40	ER16	1-10	28	60
H45.1016.80.1	HSK-E40-ER16-80	40	ER16	1-10	28	80
H45.1025.70.1	HSK-E40-ER25-70	40	ER25	1-16	42	70
H45.1025.80.1	HSK-E40-ER25-80	40	ER25	1-16	42	80
H55.1016.60.1	HSK-E50-ER16-60	50	ER16	1-10	28	60
H55.1016.100.1	HSK-E50-ER16-100	50	ER16	1-10	28	100
H55.1025.70.1	HSK-E50-ER25-70	50	ER25	1-16	42	70
H55.1025.100.1	HSK-E50-ER25-100	50	ER25	1-16	42	100
H55.1032.80.1	HSK-E50-ER32-80	50	ER32	2-20	50	80
H55.1032.100.1	HSK-E50-ER32-100	50	ER32	2-20	50	100

应用：以ER夹头夹持圆柱柄刀具

技术结构：外锥到内锥跳动≤0,003 mm,
在 2,5 X D 最大跳动为≤8μ

发货：带螺母

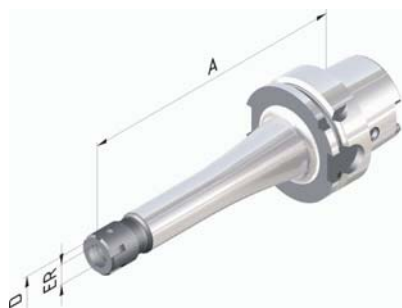
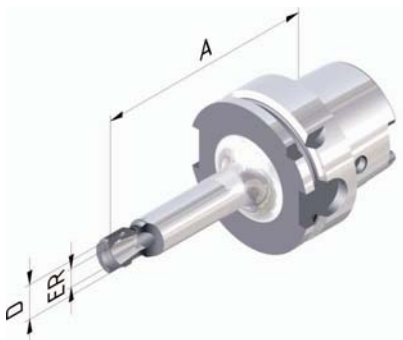
Application: For clamping tools with cylindrical shank
in collets ER.

Technical Design: Runout of outer taper to inner tapers≤0,003 mm.
Due to adjusted taper tolerances of the ER-
Inner taper and the Collet taper max.
runout of ≤ 8 μ at 2,5 X D.

Includes: Clamping nut.

DIN 69893 (HSK)

HSK-A Collet Chuck ER Mini / HSK-A ER迷你弹簧夹头刀柄



G2.5 25000min⁻¹

≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	ER	Capacity 夹持范围	D 螺帽外径	A 有效长度
H64.1011.100.1	HSK-A63-ER11-100	63	ER11	1-7	16	100
H64.1011.160.1	HSK-A63-ER11-160	63	ER11	1-7	16	160
H64.1016.100.1	HSK-A63-ER16-100	63	ER16	1-10	22	100
H64.1016.160.1	HSK-A63-ER16-160	63	ER16	1-10	22	160
H64.1025.100.1	HSK-A63-ER25-100	63	ER25	1-16	35	100
H64.1025.160.1	HSK-A63-ER25-160	63	ER25	1-16	35	160

应用：以ER夹头夹持圆柱柄刀具

技术结构：外锥到内锥跳动≤0,003 mm,
在 2,5 X D 最大跳动为≤8μ

发货：带螺母

Application: For clamping tools with cylindrical shank
in collets ER.

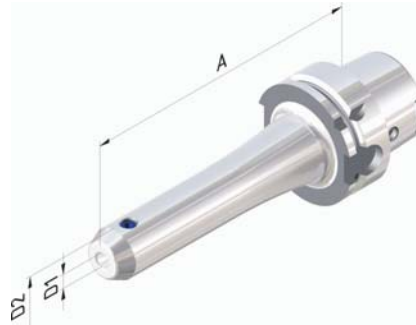
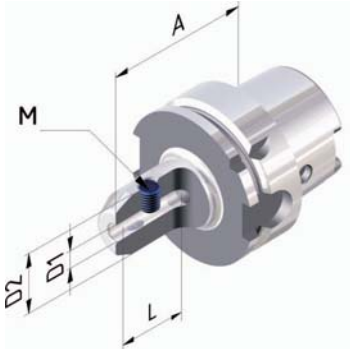
Technical Design: Runout of outer taper to inner tapers≤0,003 mm.
Due to adjusted taper tolerances of the ER-
Inner taper and the Collet taper max.
runout of ≤ 8 μ at 2.5 X D.

Includes: Clamping nut.



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A Weldon Toolholder / HSK-A 侧固式铣刀柄



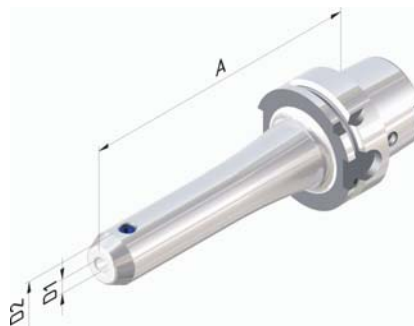
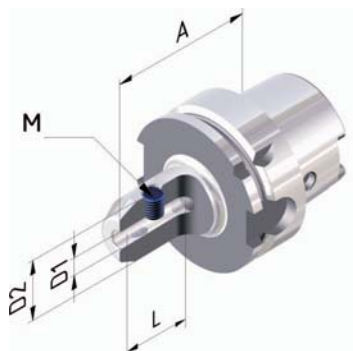
G2.5 25000min⁻¹

↗ ≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	L	M	A 有效长度
H44.2006.60.1	HSK-A40-6-60	40	6	25	35	M6	60
H44.2008.60.1	HSK-A40-8-60	40	8	28	35	M8	60
H44.2010.60.1	HSK-A40-10-60	40	10	35	41	M10	60
H44.2012.70.1	HSK-A40-12-70	40	12	42	48	M12	70
H44.2014.75.1	HSK-A40-14-75	40	14	42	48	M12	75
H44.2016.75.1	HSK-A40-16-75	40	16	48	51	M14	75
H54.2006.65.1	HSK-A50-6-65	50	6	25	35	M6	65
H54.2008.65.1	HSK-A50-8-65	50	8	28	35	M8	65
H54.2010.65.1	HSK-A50-10-65	50	10	35	41	M10	65
H54.2012.80.1	HSK-A50-12-80	50	12	42	48	M12	80
H54.2016.80.1	HSK-A50-16-80	50	16	48	51	M14	80
H54.2020.80.1	HSK-A50-20-80	50	20	52	53	M16	80
H64.2006.65.1	HSK-A63-6-65	63	6	25	35	M6	65
H64.2006.120.1	HSK-A63-6-120	63	6	25	35	M6	120
H64.2006.160.1	HSK-A63-6-160	63	6	25	35	M6	160
H64.2008.65.1	HSK-A63-8-65	63	8	28	35	M8	65
H64.2008.120.1	HSK-A63-8-120	63	8	28	35	M8	120
H64.2008.160.1	HSK-A63-8-160	63	8	28	35	M8	160
H64.2010.65.1	HSK-A63-10-65	63	10	35	41	M10	65
H64.2010.120.1	HSK-A63-10-120	63	10	35	41	M10	120
H64.2010.160.1	HSK-A63-10-160	63	10	35	41	M10	160
H64.2012.80.1	HSK-A63-12-80	63	12	42	48	M12	80
H64.2012.120.1	HSK-A63-12-120	63	12	42	48	M12	120
H64.2012.160.1	HSK-A63-12-160	63	12	42	48	M12	160
H64.2014.80.1	HSK-A63-14-80	63	14	42	48	M12	80
H64.2014.120.1	HSK-A63-14-120	63	14	42	48	M12	120

DIN 69893 (HSK)

HSK-A Weldon Toolholder / HSK-A 侧固式铣刀柄


G2.5 25000min⁻¹

↗ ≤ 3μ

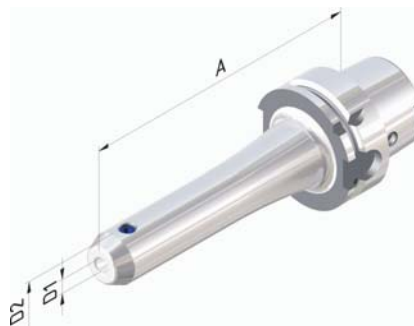
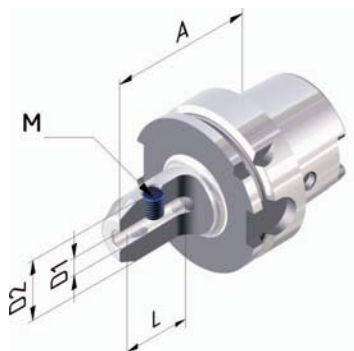
From AD

Order No. 货号	Size 规格	HSK	D1	D2	L	M	A 有效长度
H64.2014.160.1	HSK-A63-14-160	63	14	42	48	M12	160
H64.2016.80.1	HSK-A63-16-80	63	16	48	51	M14	80
H64.2016.120.1	HSK-A63-16-120	63	16	48	51	M14	120
H64.2016.160.1	HSK-A63-16-160	63	16	48	51	M14	160
H64.2018.80.1	HSK-A63-18-80	63	18	48	51	M14	80
H64.2018.120.1	HSK-A63-18-120	63	18	48	51	M14	120
H64.2018.160.1	HSK-A63-18-160	63	18	48	51	M14	160
H64.2020.80.1	HSK-A63-20-80	63	20	52	53	M16	80
H64.2020.120.1	HSK-A63-20-120	63	20	52	53	M16	120
H64.2020.160.1	HSK-A63-20-160	63	20	52	53	M16	160
H64.2025.110.1	HSK-A63-25-110	63	25	65	60	M18x2	110
H64.2025.160.1	HSK-A63-25-160	63	25	65	60	M18x2	160
H64.2032.110.1	HSK-A63-32-110	63	32	72	64	M20x2	110
H64.2032.160.1	HSK-A63-32-160	63	32	72	64	M20x2	160
H104.2006.80.1	HSK-A100-6-80	100	6	25	35	M6	80
H104.2006.160.1	HSK-A100-6-160	100	6	25	35	M6	160
H104.2008.80.1	HSK-A100-8-80	100	8	28	35	M8	80
H104.2008.160.1	HSK-A100-8-160	100	8	28	35	M8	160
H104.2010.80.1	HSK-A100-10-80	100	10	35	41	M10	80
H104.2010.160.1	HSK-A100-10-160	100	10	35	41	M10	160
H104.2012.80.1	HSK-A100-12-80	100	12	42	4	M12	80
H104.2012.160.1	HSK-A100-12-160	100	12	42	4	M12	160
H104.2014.80.1	HSK-A100-14-80	100	14	42	48	M12	80
H104.2014.160.1	HSK-A100-14-160	100	14	42	48	M12	160
H104.2016.80.1	HSK-A100-16-100	100	16	48	51	M14	100
H104.2016.160.1	HSK-A100-16-160	100	16	48	51	M14	160
H104.2018.100.1	HSK-A100-18-100	100	18	48	51	M14	100



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A/E Weldon Toolholder / HSK-A/E 侧固式铣刀柄



G2.5 25000min⁻¹

↗ ≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	L	M	A 有效长度
H104.2018.160.1	HSK-A100-18-160	100	18	48	51	M14	160
H104.2020.100.1	HSK-A100-20-100	100	20	52	533	M16	100
H104.2020.160.1	HSK-A100-20-160	100	20	52	533	M16	160
H104.2025.100.1	HSK-A100-25-100	100	25	65	60	M18x2	100
H104.2025.160.1	HSK-A100-25-160	100	25	65	60	M18x2	160
H104.2032.100.1	HSK-A100-32-100	100	32	72	64	M20x2	100
H104.2032.160.1	HSK-A100-32-160	100	32	72	64	M20x2	160
H104.2040.120.1	HSK-A100-40-120	100	40	80	74	M20x2	120
H45.2006.60.1	HSK-E40-6-60	40	6	25	35	M6	60
H45.2008.60.1	HSK-E40-8-60	40	8	28	35	M8	60
H45.2010.60.1	HSK-E40-10-60	40	10	35	41	M10	60
H45.2012.70.1	HSK-E40-12-70	40	12	42	48	M12	70
H45.2014.75.1	HSK-E40-14-75	40	14	42	48	M12	75
H45.2016.75.1	HSK-E40-16-75	40	16	48	51	M14	75
H55.2006.65.1	HSK-E50-6-65	50	6	25	35	M6	65
H55.2008.65.1	HSK-E50-8-65	50	8	28	35	M8	65
H55.2010.65.1	HSK-E50-10-65	50	10	35	41	M10	65
H55.2012.80.1	HSK-E50-12-80	50	12	42	48	M12	80
H55.2014.80.1	HSK-E50-14-80	50	14	48	51	M14	80
H55.2020.80.1	HSK-E50-20-80	50	20	52	53	M16	80

DIN 69893 (HSK)

应用：夹持DIN 1835B/6359HB圆柱柄刀具

技术结构：外锥相对D1的跳动≤0,003 mm，孔公差级别H4（比DIN更精确）

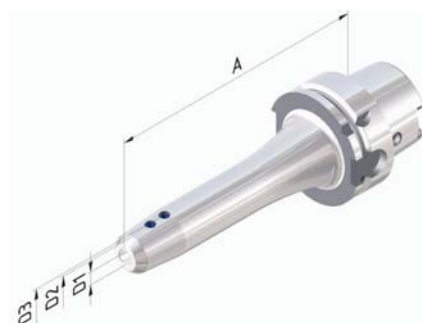
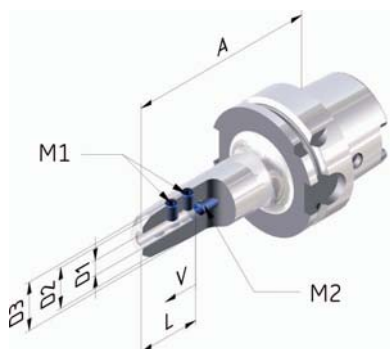
发货：夹紧螺丝

Application: For clamping tools with cylindrical shank according to DIN 1835 B.

Technical Design: Runout of outer taper to D1 ≤ 0,003 mm
Tolerance of bore H4 (more accurate as DIN).

Includes: Clamping screw.

HSK-A Weldon Toolholder / HSK-A 加长侧固式铣刀柄



G2.5 25000min⁻¹

↗ ≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	D3	L	M1	M2	A 有效长度
H64.2006.100.1	HSK-A63-6-100	63	6	13	24	36.5	M6	M6	100
H64.2006.160.1	HSK-A63-6-160	63	6	13	24	36.5	M6	M5	160
H64.2008.100.1	HSK-A63-8-100	63	8	15	26	36.5	M6	M6	100
H64.2008.160.1	HSK-A63-8-160	63	8	15	26	36.5	M6	M6	160
H64.2010.100.1	HSK-A63-10-100	63	10	16	28	40.5	M6	M8x1	100
H64.2010.160.1	HSK-A63-10-160	63	10	16	28	40.5	M6	M8x1	160
H64.2012.120.1	HSK-A63-12-120	63	12	17	29	45.5	M6	M10x1	120
H64.2012.160.1	HSK-A63-12-160	63	12	17	29	45.5	M6	M10x1	160
H64.2014.120.1	HSK-A63-14-120	63	14	19	32	45.5	M8	M10x1	120
H64.2014.160.1	HSK-A63-14-160	63	14	19	32	45.5	M8	M10x1	160
H64.2016.120.1	HSK-A63-16-120	63	16	21	34	48.5	M8	M12x1	120
H64.2016.160.1	HSK-A63-16-160	63	16	21	34	48.5	M8	M12x1	160
H64.2018.120.1	HSK-A63-18-120	63	18	23	36	48.5	M8	M12x1	120
H64.2018.160.1	HSK-A63-18-160	63	18	23	36	48.5	M8	M12x1	160
H64.2020.120.1	HSK-A63-20-120	63	20	25	38	50.5	M8	M16x1	120
H64.2020.160.1	HSK-A63-20-160	63	20	25	38	50.5	M8	M16x1	160

应用：混合式结构, 夹持DIN 1835B/6359HB和
DIN1835E/6359HE圆柱柄刀具

技术结构：外锥相对D1的跳动≤0,003 mm, 孔公差
级别H4（比DIN更精确）

发货：带特殊夹紧螺钉（球头）和调节螺钉

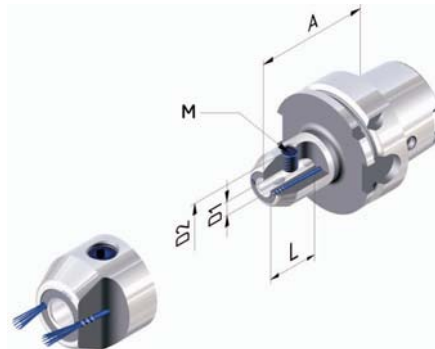
Application: For clamping tools with cylindrical shank
according to DIN 1835 B and E.

Technical Design: Runout of outer taper to D1 ≤ 0,003 mm
Tolerance of bore H4 (more accurate as DIN).

Includes: Special clamping screw(with ball head)
and set screw.

TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A Weldon Toolholder / HSK-A 端面通水侧固式铣刀柄



G2.5 25000min⁻¹

≤ 3μ

From 端面通水

Order No. 货号	Size 规格	HSK	D1	D2	L	M	A 有效长度
H64.2006.65.3	HSK-A63-6-65	63	6	25	35	M6	65
H64.2006.120.3	HSK-A63-6-120	63	6	25	35	M6	120
H64.2008.65.3	HSK-A63-8-65	63	8	28	35	M8	65
H64.2008.120.3	HSK-A63-8-120	63	8	28	35	M8	120
H64.2010.65.3	HSK-A63-10-65	63	10	35	41	M10	65
H64.2010.120.3	HSK-A63-10-120	63	10	35	41	M10	120
H64.2012.80.3	HSK-A63-12-80	63	12	42	48	M12	80
H64.2012.120.3	HSK-A63-12-120	63	12	42	48	M12	120
H64.2014.80.3	HSK-A63-14-80	63	14	42	48	M12	80
H64.2014.120.3	HSK-A63-14-120	63	14	42	48	M12	120
H64.2016.80.3	HSK-A63-16-80	63	16	48	51	M14	80
H64.2016.120.3	HSK-A63-16-120	63	16	48	51	M14	120
H64.2018.80.3	HSK-A63-18-80	63	18	48	51	M14	80
H64.2018.120.3	HSK-A63-18-120	63	18	48	51	M14	120
H64.2020.80.3	HSK-A63-20-80	63	20	52	53	M16	80
H64.2020.120.3	HSK-A63-20-120	63	20	52	53	M16	120
H64.2025.110.3	HSK-A63-25-110	63	25	65	60	M18x2	110
H64.2032.110.3	HSK-A63-32-110	63	32	72	64	M20x2	110
H104.2006.80.3	HSK-A100-6-80	100	6	25	35	M6	80
H104.2008.80.3	HSK-A100-8-80	100	8	28	35	M8	80
H104.2010.80.3	HSK-A100-10-80	100	10	35	41	M10	80
H104.2012.80.3	HSK-A100-12-80	100	12	42	48	M12	80
H104.2014.80.3	HSK-A100-14-80	100	14	42	48	M12	80
H104.2016.100.3	HSK-A100-16-100	100	16	48	51	M14	100
H104.2018.100.3	HSK-A100-18-100	100	18	48	51	M14	100
H104.2020.100.3	HSK-A100-20-100	100	20	52	53	M16	100
H104.2025.100.3	HSK-A100-25-100	100	25	65	60	M18x2	100
H104.2032.100.3	HSK-A100-32-100	100	32	72	64	M20x2	100

应用：专门用于无内冷刀具，用在难排屑位置上加工。用于夹持DIN1835B/6359HB圆柱柄刀具。

技术结构：刀杆内两个孔将冷却剂直接能到切削刃，使用内冷刀具的话，可以用螺钉密封冷却孔

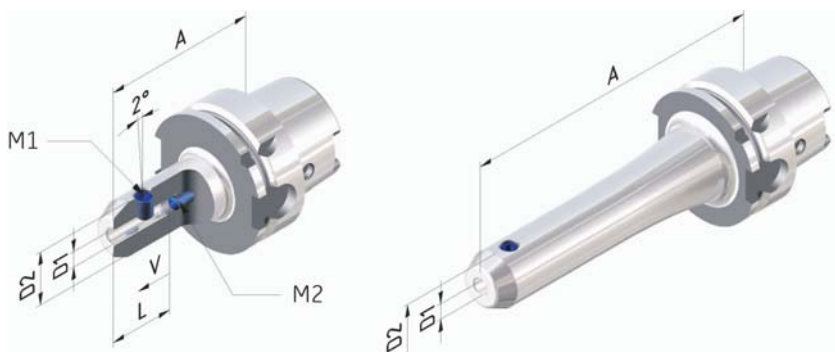
发货：夹紧螺钉，2个M3密封螺钉

Application: Particularly suitable for tools without internal coolant, and for machining at difficult positions with bad chip removal.

Technical Design: Two holes in the toolholder lead the coolant directly to the cutting edge. Coolant holes can be re-sealed with screws for the use of tools with internal coolant holes.

Includes: Clamping screw and 2 x M3-screws to plug the coolant holes if needed.

HSK-A Weldon Toolholder / HSK-A 斜2° 侧固式铣刀柄



G2.5 25000min⁻¹

↗ ≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	L	M1	M2	V	A 有效长度
H64.2106.80.1	HSK-A63-6-80	63	6	25	36.5	M6	M5	10	80
H64.2108.80.1	HSK-A63-8-80	63	8	28	36.5	M8	M6	10	80
H64.2110.80.1	HSK-A63-10-80	63	10	35	40.5	M10	M8	10	80
H64.2112.90.1	HSK-A63-12-90	63	12	42	45.5	M12	M10	10	90
H64.2114.90.1	HSK-A63-14-90	63	14	42	45.5	M12	M10	10	90
H64.2116.100.1	HSK-A63-16-100	63	16	48	48.5	M14	M12	10	100
H64.2118.100.1	HSK-A63-18-100	63	18	48	48.5	M14	M12	10	100
H64.2120.100.1	HSK-A63-20-100	63	20	52	50.5	M16	M16	10	100
H64.2125.110.1	HSK-A63-25-110	63	25	65	56.5	M18x2	M20	10	110
H64.2132.110.1	HSK-A63-32-110	63	32	72	60.5	M20x2	M20	10	110
H104.2106.90.1	HSK-A100-6-90	100	6	25	36.5	M6	M5		90
H104.2108.90.1	HSK-A100-8-90	100	8	28	36.5	M8	M6		90
H104.2110.90.1	HSK-A100-10-90	100	10	35	40.5	M10	M8		90
H104.2112.100.1	HSK-A100-12-100	100	12	42	45.5	M12	M10		100
H104.2114.100.1	HSK-A100-14-100	100	14	42	45.5	M12	M10		100
H104.2116.100.1	HSK-A100-16-100	100	16	48	48.5	M14	M12		100
H104.2118.100.1	HSK-A100-18-100	100	18	48	48.5	M14	M12		100
H104.2120.110.1	HSK-A100-20-110	100	20	52	50.5	M16	M16		110
H104.2125.120.1	HSK-A100-25-120	100	25	65	56.5	M18x2	M20		120
H104.2132.120.1	HSK-A100-32-120	100	32	72	60.5	M20x2	M20		120
H104.2140.120.1	HSK-A100-40-120	100	40	80	74.0	M20x2	M20		120

应用：用于夹持DIN1835E/6359HE圆柱柄刀具

Application: For clamping tools with cylindrical shank according to DIN 1835 B and E.

技术结构：外锥相对D1的跳动≤0,003 mm，孔公差级别H4（比DIN更精确）

Technical Design: Runout of outer taper to D1 ≤ 0,003 mm Tolerance of bore H4 (more accurate as DIN).

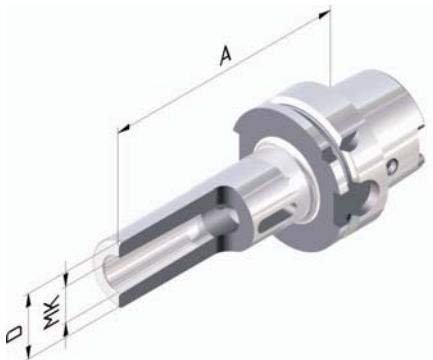
发货：带特殊夹紧螺钉（球头）和调节螺钉

Includes: Special clamping screw(with ball head) and set screw.



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A Morse Taper Toolholder / HSK-A 带扁尾莫氏刀柄



G2.5 25000min⁻¹

↗ ≤ 5μ

From AD

Order No. 货号	Size 规格	HSK	MK	D	A 有效长度
H64.3001.100.1	HSK-A63-1-100	63	1	25	100
H64.3002.120.1	HSK-A63-2-120	63	2	32	120
H64.3003.140.1	HSK-A63-3-140	63	3	40	140
H64.3004.160.1	HSK-A63-4-160	63	4	48	160
H104.3001.110.1	HSK-A100-1-110	100	1	25	110
H104.3002.120.1	HSK-A100-2-120	100	2	32	120
H104.3003.150.1	HSK-A100-3-150	100	3	40	150
H104.3004.170.1	HSK-A100-4-170	100	4	48	170

应用：夹持带莫氏柄的刀具

技术结构：外锥到内锥跳动 ≥0.008mm

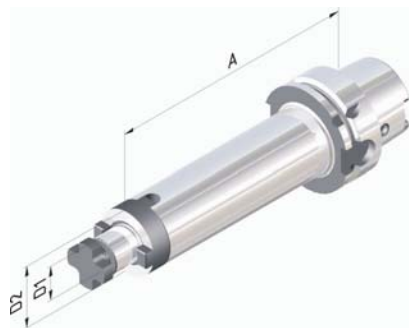
发货：

Application: For adapting tools with morse taper shank.

Technical Design: Runout of outer taper to morse taper ≥0.008mm

Includes:

DIN 69893 (HSK)

HSK-A Combi Shell Mill Toolholder / HSK-A 混合式铣刀柄

G2.5 25000min⁻¹
 ≤ 6μ

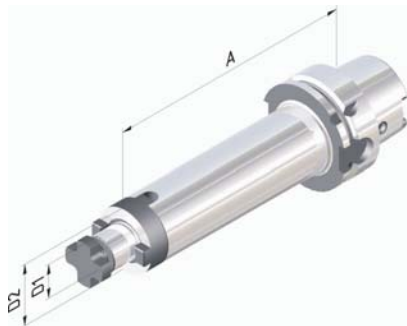
From AD

Order No. 货号	Size 规格	HSK	D1	D2	L1	L2	M	A 有效长度
H64.4016.60.1	HSK-A63-16-60	63	16	32	17	27	M8	60
H64.4016.100.1	HSK-A63-16-100	63	16	32	17	27	M8	100
H64.4016.160.1	HSK-A63-16-160	63	16	32	17	27	M8	160
H64.4022.60.1	HSK-A63-22-60	63	22	40	19	31	M10	60
H64.4022.100.1	HSK-A63-22-100	63	22	40	19	31	M10	100
H64.4022.160.1	HSK-A63-22-160	63	22	40	19	31	M10	160
H64.4027.60.1	HSK-A63-27-60	63	27	48	21	33	M12	60
H64.4027.100.1	HSK-A63-27-100	63	27	48	21	33	M12	100
H64.4027.160.1	HSK-A63-27-160	63	27	48	21	33	M12	160
H64.4032.60.1	HSK-A63-32-60	63	32	58	24	38	M16	60
H64.4032.100.1	HSK-A63-32-100	63	32	58	24	38	M16	100
H64.4032.160.1	HSK-A63-32-160	63	32	58	24	38	M16	160
H64.4040.70.1	HSK-A63-40-70	63	40	70	27	41	M20	70
H64.4040.160.1	HSK-A63-40-160	63	40	70	27	41	M20	160
H104.4016.60.1	HSK-A100-16-60	100	16	32	17	27	M8	60
H104.4016.100.1	HSK-A100-16-100	100	16	32	17	27	M8	100
H104.4016.160.1	HSK-A100-16-160	100	16	32	17	27	M8	160
H104.4022.60.1	HSK-A100-22-60	100	22	40	19	31	M10	60
H104.4022.100.1	HSK-A100-22-100	100	22	40	19	31	M10	100
H104.4022.160.1	HSK-A100-22-160	100	22	40	19	31	M10	160
H104.4027.60.1	HSK-A100-27-60	100	27	48	21	33	M12	60
H104.4027.100.1	HSK-A100-27-100	100	27	48	21	33	M12	100
H104.4027.160.1	HSK-A100-27-160	100	27	48	21	33	M12	160
H104.4032.60.1	HSK-A100-32-60	100	32	58	24	38	M16	60
H104.4032.100.1	HSK-A100-32-100	100	32	58	24	38	M16	100
H104.4032.160.1	HSK-A100-32-160	100	32	58	24	38	M16	160
H104.4040.70.1	HSK-A100-40-70	100	40	70	27	41	M20	70



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A Combi Shell Mill Toolholder / HSK-A 混合式铣刀柄



G2.5 25000min⁻¹

↗ ≤ 6μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	L1	L2	M	A 有效长度
H104.4040.100.1	HSK-A100-40-100	100	40	70	27	41	M20	100
H104.4040.160.1	HSK-A100-40-160	100	40	70	27	41	M20	160

应用：适用于带横向槽和纵向槽的面铣刀

技术结构：外锥相对D1的跳动≤0,006 mm

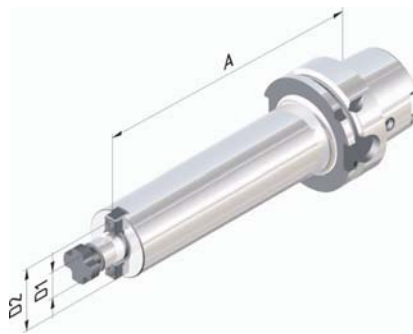
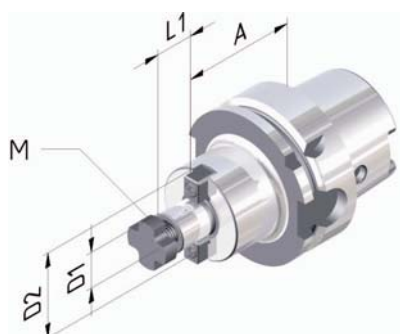
发货：带特殊夹紧螺钉, 传动键和调节环

Application: For adapting shell mills with transverse and longitudinal groove.

Technical Design: Runout of outer taper to D1 ≤ 0,006 mm.

Includes: Clamping screw, drive key and adjusting spring.

DIN 69893 (HSK)

HSK-A Shell Mill Toolholder / HSK-A 面铣刀柄

G2.5 25000min⁻¹
 ≤ 6μ

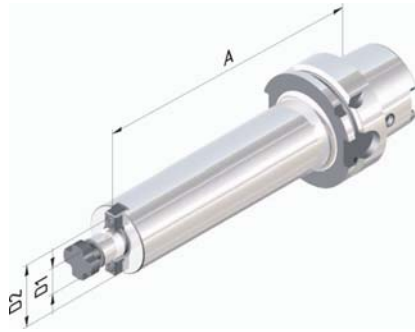
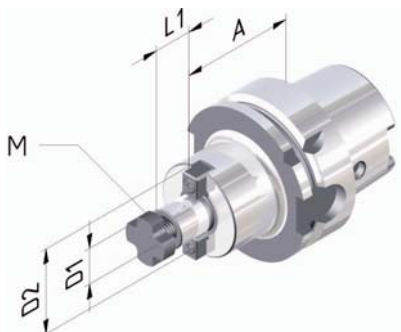
From AD

Order No. 货号	Size 规格	HSK	D1	D2	L	M	A 有效长度
H44.4116.50.1	HSK-A40-16-50	40	16	38	17	M8	50
H44.4122.60.1	HSK-A40-22-60	40	22	48	19	M10	60
H54.4116.50.1	HSK-A50-16-50	50	16	38	17	M8	50
H54.4122.60.1	HSK-A50-22-60	50	22	48	19	M10	60
H54.4127.60.1	HSK-A50-27-60	50	27	60	21	M12	60
H64.4116.50.1	HSK-A63-16-50	63	16	38	17	M8	50
H64.4116.100.1	HSK-A63-16-100	63	16	38	17	M8	100
H64.4116.160.1	HSK-A63-16-160	63	16	38	17	M8	160
H64.4122.50.1	HSK-A63-22-50	63	22	48	19	M10	50
H64.4122.100.1	HSK-A63-22-100	63	22	48	19	M10	100
H64.4122.160.1	HSK-A63-22-160	63	22	48	19	M10	160
H64.4127.60.1	HSK-A63-27-60	63	27	60	21	M12	60
H64.4127.100.1	HSK-A63-27-100	63	27	60	21	M12	100
H64.4127.160.1	HSK-A63-27-160	63	27	60	21	M12	160
H64.4132.60.1	HSK-A63-32-60	63	32	78	24	M16	60
H64.4132.100.1	HSK-A63-32-100	63	32	78	24	M16	100
H64.4132.160.1	HSK-A63-32-160	63	32	78	24	M16	160
H64.4140.60.1	HSK-A63-40-60	63	40	89	27	M20	60
H64.4140.100.1	HSK-A63-40-100	63	40	89	27	M20	100
H104.4116.50.1	HSK-A100-16-50	100	16	38	17	M8	50
H104.4116.100.1	HSK-A100-16-100	100	16	38	17	M8	100
H104.4116.160.1	HSK-A100-16-160	100	16	38	17	M8	160
H104.4122.50.1	HSK-A100-22-50	100	22	48	19	M10	50
H104.4122.100.1	HSK-A100-22-100	100	22	48	19	M10	100
H104.4122.160.1	HSK-A100-22-160	100	22	48	19	M10	160



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A/E Shell Mill Toolholder / HSK-A/E 面铣刀柄



G2.5 25000min⁻¹

≤ 6μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	L	M	A 有效长度
H104.4127.50.1	HSK-A100-27-50	100	27	60	21	M12	50
H104.4127.100.1	HSK-A100-27-100	100	27	60	21	M12	100
H104.4127.160.1	HSK-A100-27-160	100	27	60	21	M12	160
H104.4132.50.1	HSK-A100-32-50	100	32	78	24	M16	50
H104.4132.100.1	HSK-A100-32-100	100	32	78	24	M16	100
H104.4132.160.1	HSK-A100-32-160	100	32	78	24	M16	160
H104.4140.60.1	HSK-A100-40-60	100	40	89	27	M20	60
H104.4140.100.1	HSK-A100-40-100	100	40	89	27	M20	100
H104.4140.160.1	HSK-A100-40-160	40	40	89	27	M20	160
H104.4160.70.1	HSK-A100-60-70	40	60	140	40	M32	70
H45.4116.50.1	HSK-E40-16-50	40	16	38	17	M8	50
H45.4122.60.1	HSK-E40-22-60	40	22	48	19	M10	60
H55.4116.50.1	HSK-E50-16-50	50	16	38	17	M8	50
H55.4122.60.1	HSK-E50-22-60	50	22	48	19	M10	60
H55.4127.50.1	HSK-E50-27-50	50	27	60	21	M12	60

应用：适用于带横向槽和纵向槽的面铣刀

技术结构：带延长凸缘，外锥相对D1的
跳动≤ 0,006 mm

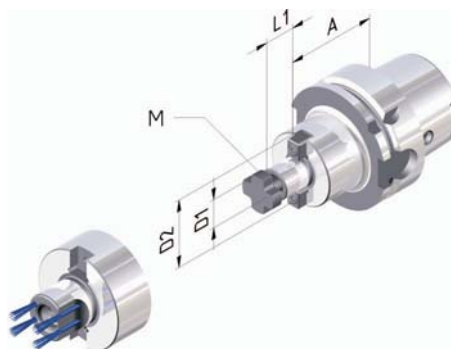
发货：带特殊夹紧螺钉和传动键

Application: For adapting shell mills with transverse slot.

Technical Design: With extended flangeRunout of outer taper
to D1 ≤ 0,006 mm.

Includes: Clamping screw and drive keys.

DIN 69893 (HSK)

HSK-A Shell Mill Toolholder / HSK-A 端面通水面铣刀柄

G2.5 25000min⁻¹
 ≤ 6μ

From 端面通水

Order No. 货号	Size 规格	HSK	D1	D2	L	M	A 有效长度
H64.4116.50.3	HSK-A63-16-50	63	16	38	17		50
H64.4116.100.3	HSK-A63-16-100	63	16	38	17		100
H64.4116.160.3	HSK-A63-16-160	63	16	38	17		160
H64.4122.50.3	HSK-A63-22-50	63	22	48	19		50
H64.4122.100.3	HSK-A63-22-100	63	22	48	19		100
H64.4122.160.3	HSK-A63-22-160	63	22	48	19		160
H64.4127.50.3	HSK-A63-27-50	63	27	60	21		50
H64.4127.100.3	HSK-A63-27-100	63	27	60	21		100
H64.4127.160.3	HSK-A63-27-160	63	27	60	21		160
H64.4132.50.3	HSK-A63-32-50	63	32	78	24		50
H64.4132.100.3	HSK-A63-32-100	63	32	78	24		100
H64.4132.160.3	HSK-A63-32-160	63	32	78	24		160
H104.4116.50.3	HSK-A100-16-50	100	16	38	17	M8	50
H104.4116.100.3	HSK-A100-16-100	100	16	38	17	M8	100
H104.4122.50.3	HSK-A100-22-50	100	22	48	19	M10	50
H104.4122.100.3	HSK-A100-22-100	100	22	48	19	M10	100
H104.4127.50.3	HSK-A100-27-50	100	27	60	21	M12	50
H104.4127.100.3	HSK-A100-27-100	100	27	60	21	M12	100
H104.4132.50.3	HSK-A100-32-50	100	32	78	24	M16	50
H104.4132.100.3	HSK-A100-32-100	100	32	78	24	M16	100
H104.4140.60.3	HSK-A100-40-60	100	40	89	27	M20	60
H104.4140.100.3	HSK-A100-40-100	100	40	89	27	M20	100

应用：适用于带横向槽和纵向槽的面铣刀

Application: For adapting shell mills with coolant through to the cutting edges.

技术结构：带延长凸缘，外锥相对D1的跳动≤ 0,006 mm

Technical Design: With extended flangeRunout of outer taper to D1 ≤ 0,006 mm.

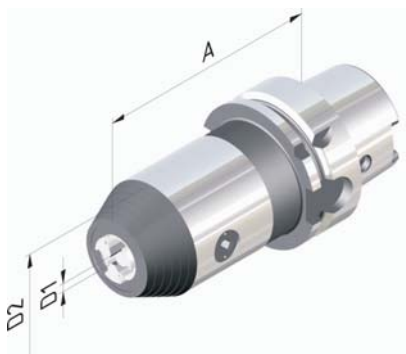
发货：带特殊夹紧螺钉和传动键

Includes: Clamping screw and drive keys.



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A Short Drill Chuck / HSK-A 钻夹头刀柄



G6.3 12000min⁻¹

↗ ≤ 6μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	A 有效长度
H34.5008.90.1	HSK-A32-8-90	32	0-8	36	90
H44.5008.90.1	HSK-A40-8-90	40	0-8	36	90
H44.5013.121.1	HSK-A40-13-121	40	1-13	50	121
H44.5016.126.1	HSK-A40-16-126	40	2.5-16	50	126.5
H54.5008.90.1	HSK-A50-8-90	50	0-8	36	90
H54.5013.121.1	HSK-A50-13-121	50	1-13	50	121
H54.5016.126.1	HSK-A50-16-126	50	2.5-16	50	126.5
H64.5008.85.1	HSK-A63-8-85	63	0-8	36	85
H64.5013.123.1	HSK-A63-13-123	63	1-13	50	123.5
H64.5013.160.1	HSK-A63-13-160	63	1-13	50	160
H64.5016.129.1	HSK-A63-16-129	63	2.5-16	50	129
H64.5016.165.1	HSK-A63-16-165	63	2.5-16	50	165.5
H84.5013.128.1	HSK-A80-13-128	80	1-13	50	128
H84.5016.133.1	HSK-A80-16-133	80	2.5-16	50	133.5
H104.5013.130.1	HSK-A100-13-130	100	1-13	50	130
H104.5013.160.1	HSK-A100-13-160	100	1-13	50	160
H104.5016.135.1	HSK-A100-16-135	100	2.5-16	50	135.5
H104.5016.165.1	HSK-A100-16-165	100	2.5-16	50	165.5

DIN 69893 (HSK)

应用：夹持带莫氏柄的刀具

Application: For clamping tools with cylindrical shank. Also suitable for tools with internal coolant.

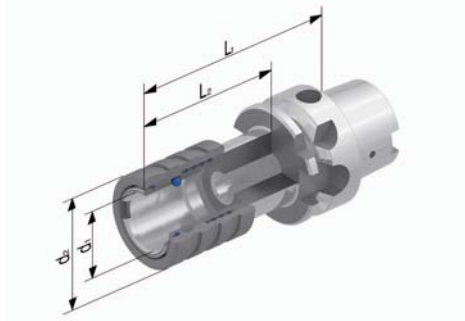
技术结构：外锥到内锥跳动 ≥ 0.008mm

Technical Design:

发货：带扳手

Includes: Wrench

Quick Change Tapping Chucks With Length Compensation HSK-A 弹性快换攻丝刀柄



G6.3 12000min⁻¹

Order No. 货号	Size 规格	螺纹直径	规格	d1	d2	l1	l2
H44.6012.110	HSK-A40-M3-M12-110	M3-M12	1	19	36	110	90
H54.6012.110	HSK-A50-M3-M12-110	M3-M12	1	19	36	110	84
H54.6020.154	HSK-A50-M8-M20-154	M8-M20	2	31	53	154	128
H64.6012.110	HSK-A63-M3-M12-110	M3-M12	1	19	36	110	84
H64.6020.156	HSK-A63-M8-M20-156	M8-M20	2	31	53	156	130
H64.6033.228	HSK-A63-M14-M33-228	M14-M33	3	48	78	228.5	202
H64.6048.272	HSK-A63-M22-M48-272	M22-M48	4	60	96	272	246
H84.6012.110	HSK-A80-M3-M12-110	M3-M12	1	19	36	114	85
H84.6020.156	HSK-A80-M8-M20-156	M8-M20	2	31	53	161	131
H84.6033.243	HSK-A80-M14-M33-242	M14-M33	3	48	78	243	214
H104.6012.110	HSK-A100-M3-M12-100	M3-M12	1	19	36	110	91
H104.6020.163	HSK-A100-M8-M20-163	M8-M20	2	31	53	163	134
H104.6033.234	HSK-A100-M14-M33-234	M14-M33	3	48	78	234	205
H104.6048.272	HSK-A100-M22-M48-272	M22-M48	4	60	96	272	246

应用：用于螺纹攻丝, 轴向长度可调整(弹性攻丝)

技术结构：

发货：

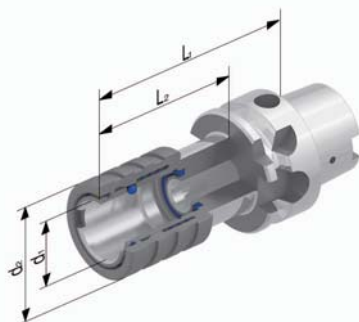
Application: For tapping preferably. Axial length compensation on tension and pressure.

Technical Design:

Includes:

TOOL HOLDER / 刀柄 DIN 69893(HSK)

Quick Change Tapping Chucks Synchro HSK-A 同步式快换攻丝刀柄



G6.3 12000min⁻¹

From AD

Order No. 货号	Size 规格	螺纹直径	规格	d1	d2	l1	l2
H34.6112.72.1	HSK-A32-M3-M12-72	M3-M12	1	19	36	72	52
H54.6112.72.1	HSK-A50-M3-M12-72	M3-M12	1	19	36	72	46
H54.6120.91.1	HSK-A50-M8-M20-91	M8-M20	2	31	53	91	64
H64.6112.72.1	HSK-A63-M3-M12-72	M3-M12	1	19	36	72	46
H64.6112.80.1	HSK-A63-M3-M12-80	M3-M12	1	19	36	80	54
H64.6112.120.1	HSK-A63-M3-M12-120	M3-M12	1	19	36	120	94
H64.6112.152.1	HSK-A63-M3-M12-152	M3-M12	1	19	36	152	126
H64.6112.180.1	HSK-A63-M3-M12-180	M3-M12	1	19	36	180	154
H64.6120.89.1	HSK-A63-M8-M20-89	M8-M20	2	31	53	89	63
H64.6120.138.1	HSK-A63-M8-M20-138	M8-M20	2	31	53	138	112
H64.6133.121.1	HSK-A63-M14-M33-121	M14-M33	3	48	78	121	95
H84.6112.70.1	HSK-A80-M3-M12-70	M3-M12	1	19	36	70	44
H84.6112.80.1	HSK-A80-M3-M12-80	M3-M12	1	19	36	80	54
H84.6120.92.1	HSK-A80-M8-M20-92	M8-M20	2	31	53	92	66
H84.6133.125.1	HSK-A80-M14-M33-125	M14-M33	3	48	78	125	99
H104.6112.75.1	HSK-A100-M3-M12-75	M3-M12	1	19	36	75	43
H104.6112.160.1	HSK-A100-M3-M12-160	M3-M12	1	19	36	160	131
H104.6112.250.1	HSK-A100-M3-M12-250	M3-M12	1	19	36	250	221
H104.6120.94.1	HSK-A100-M8-M20-94	M8-M20	2	31	53	94	65
H104.6120.160.1	HSK-A100-M8-M20-160	M8-M20	2	31	53	160	131
H104.6133.127.1	HSK-A100-M14-M33-127	M14-M33	3	48	78	127	98
H104.6133.160.1	HSK-A100-M14-M33-160	M14-M33	3	48	78	160	131
H104.6148.180.1	HSK-A100-M22-M48-180	M22-M48	4	60	96	180	130

应用：用于螺纹攻丝, 轴向长度不可调整(刚性攻丝)

Application: For tapping preferably. Axial length compensation on tension and pressure.

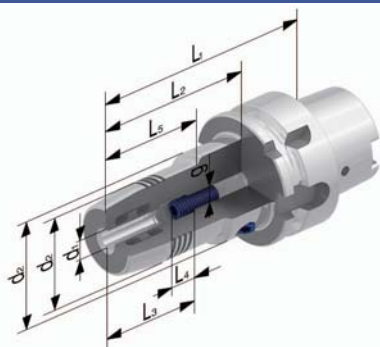
技术结构:

Technical Design:

发货:

Includes:

HSK-A Hydraulic Chuck / HSK-A 液压刀柄



G6.3 12000min⁻¹

↗ ≤ 5μ

From AD

Order No. 货号	Size 规格	D1	D2	D3	L1	L2	L3	L4	L5	g
H64.7006.80.1	HSK-A63-6-80	6	26	50	80	54	37	10	33	M5
H64.7008.80.1	HSK-A63-8-80	8	28	50	80	54	37	10	33	M6
H64.7010.85.1	HSK-A63-10-85	10	30	50	85	59	42	10	39	M 8x1
H64.7012.90.1	HSK-A63-12-90	12	32	50	90	64	47	10	44	M10x1
H64.7014.90.1	HSK-A63-14-90	14	34	50	90	64	47	10	46	M10x1
H64.7016.95.1	HSK-A63-16-95	16	38	50	95	69	52	10	52	M12x1
H64.7018.95.1	HSK-A63-18-95	18	40	50	95	69	52	10	52	M12x1
H64.7020.100.1	HSK-A63-20-100	20	42	50	100	74	52	10	58	M16x1
H64.7025.120.1	HSK-A63-25-120	25	50	50	120	94	58	10	94	M16x1
H104.7006.85.1	HSK-A100-6-85	6	26	63	85	56	37	10	29	M5
H104.7008.85.1	HSK-A100-8-85	8	28	63	85	56	37	10	29	M6
H104.7010.90.1	HSK-A100-10-90	10	30	63	90	61	42	10	35	M 8x1
H104.7012.95.1	HSK-A100-12-95	12	32	63	95	66	47	10	40	M10x1
H104.7014.95.1	HSK-A100-14-95	14	34	63	95	66	47	10	42	M10x1
H104.7016.100.1	HSK-A100-16-100	16	38	63	100	71	52	10	47	M12x1
H104.7018.100.1	HSK-A100-18-100	18	40	63	100	71	52	10	48	M12x1
H104.7020.105.1	HSK-A100-20-105	20	42	63	105	76	52	10	54	M16x1
H104.7025.115.1	HSK-A100-25-115	25	50	63	115	86	58	10	51	M16x1
H104.7032.120.1	HSK-A100-32-120	32	60	63	120	91	62	10	59	M16x1

应用：用于夹持圆柱柄DIN1835A+B+E型和DIN6535
HA+HB+HE型(直径≥12mm时，可用减径套)
被夹持刀具的柄部公差要达到h6

技术结构：

发货：

Application: For mounting straight-shank tools acc
DIN 1835 form A+B+E and DIN 6535 form
HA+HB+HE(larger than dia.12mm only
with reduction sleeve)The Tolerance a of
Tools Should be h6

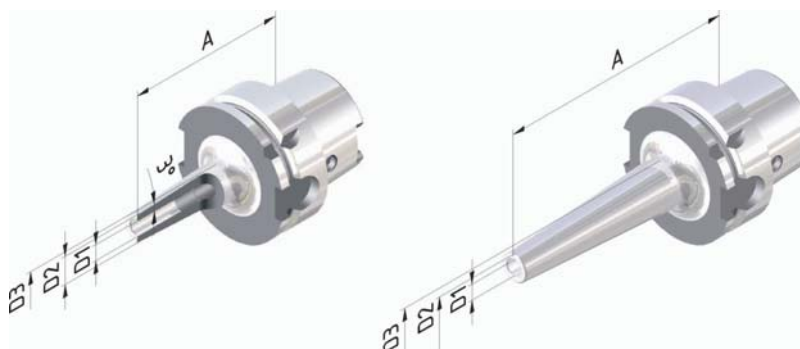
Technical
Design:

Includes:



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A/E 3° Shrink / HSK-A/E 3° 热缩刀柄



G2.5 25000min⁻¹

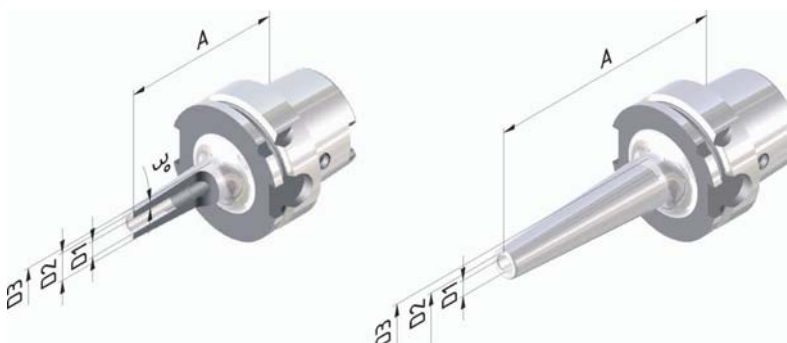
↗ ≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	D3	A 有效长度
H64.8106.80.1	HSK-A63-6-80	63	6	12	18	80
H64.8108.80.1	HSK-A63-8-80	63	8	14	20	80
H64.8110.80.1	HSK-A63-10-80	63	10	16	22	80
H64.8112.80.1	HSK-A63-12-80	63	12	18	24	80
H64.8106.120.1	HSK-A63-6-120	63	6	12	22	120
H64.8108.120.1	HSK-A63-8-120	63	8	14	24	120
H64.8110.120.1	HSK-A63-10-120	63	10	16	26	120
H64.8112.120.1	HSK-A63-12-120	63	12	18	28	120
H45.8103.60.1	HSK-E40-3-60	40	3	9	14	60
H45.8103.70.1	HSK-E40-3-70	40	3	9	15	70
H45.8103.80.1	HSK-E40-3-80	40	3	9	16	80
H45.8104.60.1	HSK-E40-4-60	40	4	10	15	60
H45.8104.70.1	HSK-E40-4-70	40	4	10	16	70
H45.8104.80.1	HSK-E40-4-80	40	4	10	17	80
H45.8105.60.1	HSK-E40-5-60	40	5	11	16	60
H45.8105.70.1	HSK-E40-5-70	40	5	11	17	70
H45.8105.80.1	HSK-E40-5-80	40	5	11	18	80
H45.8106.60.1	HSK-E40-6-60	40	6	12	17	60
H45.8106.70.1	HSK-E40-6-70	40	6	12	18	70
H45.8106.80.1	HSK-E40-6-80	40	6	12	19	80
H45.8108.60.1	HSK-E40-8-60	40	8	14	19	60
H45.8108.70.1	HSK-E40-8-70	40	8	14	20	70
H45.8108.80.1	HSK-E40-8-80	40	8	14	21	80
H45.8110.60.1	HSK-E40-10-60	40	10	16	21	60
H45.8110.70.1	HSK-E40-10-70	40	10	16	22	70
H45.8110.80.1	HSK-E40-10-80	40	10	16	23	80
H45.8112.60.1	HSK-E40-12-60	40	12	18	23	60

DIN 69893 (HSK)

HSK-A/E 3° Shrink / HSK-A/E 3° 热缩刀柄



G2.5 25000min⁻¹

≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	D3	A 有效长度
H45.8112.70.1	HSK-E40-12-70	40	12	18	24	70
H45.8112.80.1	HSK-E40-12-80	40	12	18	25	80
H55.8103.70.1	HSK-E50-3-70	50	3	9	14	70
H55.8103.80.1	HSK-E50-3-80	50	3	9	15	80
H55.8103.100.1	HSK-E50-3-100	50	3	9	17	100
H55.8104.70.1	HSK-E50-4-70	50	4	10	15	70
H55.8104.80.1	HSK-E50-4-80	50	4	10	16	80
H55.8104.100.1	HSK-E50-4-100	50	4	10	18	100
H55.8105.70.1	HSK-E50-5-70	50	5	11	16	70
H55.8105.80.1	HSK-E50-5-80	50	5	11	17	80
H55.8105.100.1	HSK-E50-5-100	50	5	11	19	100
H55.8106.70.1	HSK-E50-6-70	50	6	12	17	70
H55.8106.80.1	HSK-E50-6-80	50	6	12	18	80
H55.8106.100.1	HSK-E50-6-100	50	6	12	20	100
H55.8108.70.1	HSK-E50-8-70	50	8	14	19	70
H55.8108.80.1	HSK-E50-8-80	50	8	14	20	80
H55.8108.100.1	HSK-E50-8-100	50	8	14	22	100
H55.8110.70.1	HSK-E50-10-70	50	10	16	21	70
H55.8110.100.1	HSK-E50-10-80	50	10	16	22	80
H55.8110.80.1	HSK-E50-10-100	50	10	16	24	100
H55.8112.70.1	HSK-E50-12-70	50	12	18	23	70
H55.8112.80.1	HSK-E50-12-80	50	12	18	24	80
H55.8112.100.1	HSK-E50-12-100	50	12	18	26	100

应用：夹持硬质合金或高速钢圆柱柄刀具, 柄公差H6

技术结构：特殊耐热钢制作，适用于热缩装置外锥
相对D1的跳动≤0,003mm,孔公差级别H4
(比DIN更精确)

发货：

Application: For clamping tools with cylindrical shank

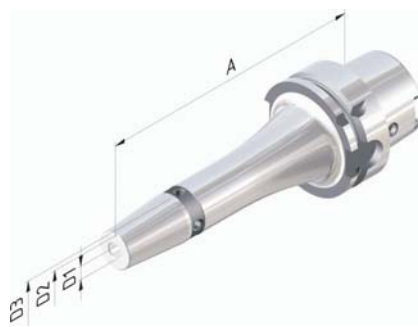
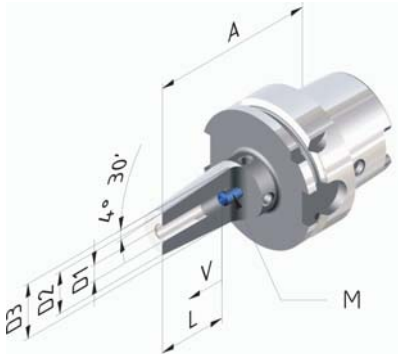
Technical Design: Made of special heat resistant steel. Suitable for inductive shrinking unit.
Runout of outer taper to D1 ≤ 0, 003 mm
Tolerance of bore H4 (more accurate as DIN)

Includes:



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A 4.5° Shrink / HSK-A 4.5° 热缩刀柄



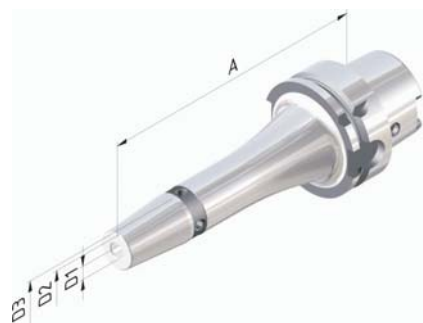
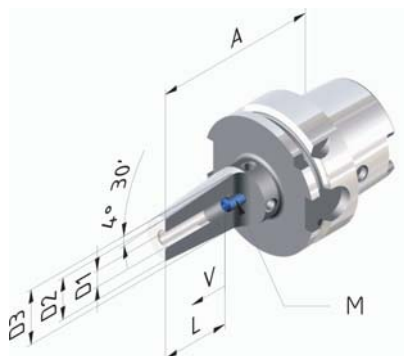
G2.5 25000min⁻¹

≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	D3	V	L	M	A 有效长度
H44.8003.60.1	HSK-A40-3-60	40	3	12	17	-	-	-	60
H44.8004.60.1	HSK-A40-4-60	40	4	12	17	-	-	-	60
H44.8005.60.1	HSK-A40-5-60	40	5	12	17	-	-	-	60
H44.8006.80.1	HSK-A40-6-80	40	6	21	27	10	37	M5	80
H44.8008.80.1	HSK-A40-8-80	40	8	21	27	10	37	M6	80
H44.8010.80.1	HSK-A40-10-80	40	10	24	32	10	42	M8x1	80
H44.8012.90.1	HSK-A40-12-90	40	12	24	32	10	48	M10x1	90
H44.8014.90.1	HSK-A40-14-90	40	14	27	34	10	48	M10x1	90
H44.8016.90.1	HSK-A40-16-90	40	16	27	34	10	51	M12x1	90
H54.8003.60.1	HSK-A50-3-60	50	3	12	17	-	-	-	60
H54.8004.60.1	HSK-A50-4-60	50	4	12	17	-	-	-	60
H54.8005.60.1	HSK-A50-5-60	50	5	12	17	-	-	-	60
H54.8006.80.1	HSK-A50-6-80	50	6	21	27	10	37	M5	80
H54.8008.80.1	HSK-A50-8-80	50	8	21	27	10	37	M6	80
H54.8010.85.1	HSK-A50-10-85	50	10	24	32	10	42	M8x1	85
H54.8012.90.1	HSK-A50-12-90	50	12	24	32	10	48	M10x1	90
H54.8014.90.1	HSK-A50-14-90	50	14	27	34	10	48	M10x1	90
H54.8016.95.1	HSK-A50-16-95	50	16	27	34	10	51	M12x1	95
H54.8018.95.1	HSK-A50-18-95	50	18	33	42	10	51	M12x1	95
H54.8020.100.1	HSK-A50-20-100	50	20	33	42	10	53	M16x1	100
H64.8003.80.1	HSK-A63-3-80	63	3	12	17	-	-	-	80
H64.8003.120.1	HSK-A63-3-120	63	3	12	17	-	-	-	120
H64.8003.160.1	HSK-A63-3-160	63	3	12	17	-	-	-	160
H64.8004.80.1	HSK-A63-4-80	63	4	12	17	-	-	-	80
H64.8004.120.1	HSK-A63-4-120	63	4	12	17	-	-	-	120
H64.8004.160.1	HSK-A63-4-160	63	4	12	17	-	-	-	160

DIN 69893 (HSK)

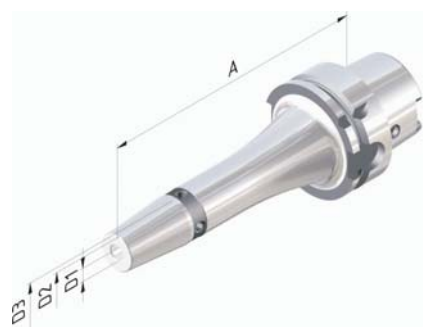
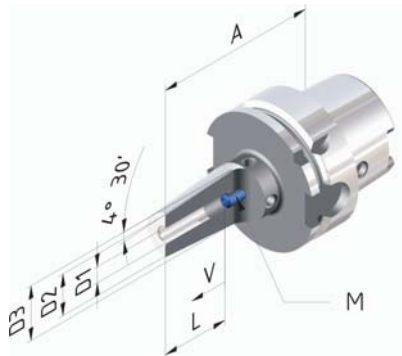
HSK-A 4.5° Shrink / HSK-A 4.5° 热缩刀柄

G2.5 25000min⁻¹
 ≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	D3	V	L	M	A 有效长度
H64.8005.80.1	HSK-A63-5-80	63	5	12	17	-	-	-	80
H64.8005.120.1	HSK-A63-5-120	63	5	12	17	-	-	-	120
H64.8005.160.1	HSK-A63-5-160	63	5	12	17	-	-	-	160
H64.8006.80.1	HSK-A63-6-80	63	6	21	27	10	37	M5	80
H64.8006.120.1	HSK-A63-6-120	63	6	15	30	10	37	M5	120
H64.8006.120.2	HSK-A63-6-120	63	6	21	27	10	37	M5	120
H64.8006.130.1	HSK-A63-6-130	63	6	21	27	10	37	M5	130
H64.8006.160.1	HSK-A63-6-160	63	6	21	27	10	37	M5	160
H64.8006.200.1	HSK-A63-6-200	63	6	21	27	10	37	M5	200
H64.8008.80.1	HSK-A63-8-80	63	8	21	27	10	37	M6	80
H64.8008.120.1	HSK-A63-8-120	63	8	15	30	10	37	M6	120
H64.8008.120.2	HSK-A63-8-120	63	8	21	27	10	37	M6	120
H64.8008.130.1	HSK-A63-8-130	63	8	21	27	10	37	M6	130
H64.8008.160.1	HSK-A63-8-160	63	8	21	27	10	37	M6	160
H64.8008.200.1	HSK-A63-8-200	63	8	21	27	10	37	M6	200
H64.8010.85.1	HSK-A63-10-85	63	10	24	32	10	42	M8x1	85
H64.8010.120.1	HSK-A63-10-120	63	10	18	33	10	42	M8x1	120
H64.8010.120.2	HSK-A63-10-120	63	10	24	32	10	42	M8x1	120
H64.8010.130.1	HSK-A63-10-130	63	10	24	32	10	42	M8x1	130
H64.8010.160.1	HSK-A63-10-160	63	10	24	32	10	42	M8x1	160
H64.8010.200.1	HSK-A63-10-200	63	10	24	32	10	42	M8x1	200
H64.8012.90.1	HSK-A63-12-90	63	12	24	32	10	48	M10x1	90
H64.8012.120.1	HSK-A63-12-120	63	12	18	33	10	48	M10x1	120
H64.8012.120.2	HSK-A63-12-120	63	12	24	32	10	48	M10x1	120
H64.8012.130.1	HSK-A63-12-130	63	12	24	32	10	48	M10x1	130
H64.8012.160.1	HSK-A63-12-160	63	12	24	32	10	48	M10x1	160
H64.8012.200.1	HSK-A63-12-200	63	12	24	32	10	48	M10x1	200
H64.8014.90.1	HSK-A63-14-90	63	14	27	34	10	48	M10x1	90

TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A 4.5° Shrink / HSK-A 4.5° 热缩刀柄



G2.5 25000min⁻¹

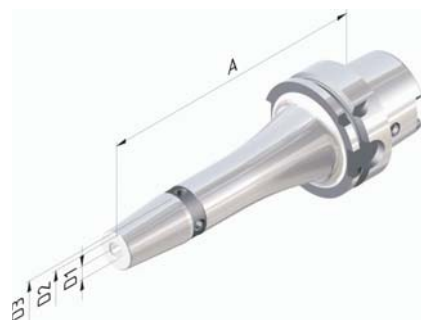
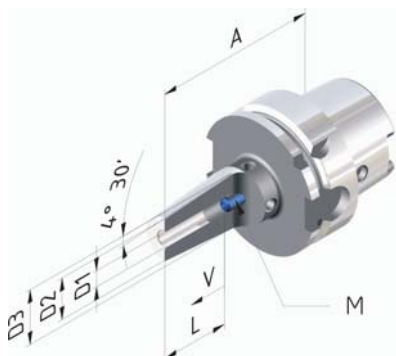
≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	D3	V	L	M	A 有效长度
H64.8014.120.1	HSK-A63-14-120	63	14	27	34	10	48	M10x1	120
H64.8014.130.1	HSK-A63-14-130	63	14	27	34	10	48	M10x1	130
H64.8014.160.1	HSK-A63-14-160	63	14	27	34	10	48	M10x1	160
H64.8014.200.1	HSK-A63-14-200	63	14	27	34	10	48	M10x1	200
H64.8016.95.1	HSK-A63-16-95	63	16	27	34	10	51	M12x1	95
H64.8016.120.1	HSK-A63-16-120	63	16	27	34	10	51	M12x1	120
H64.8016.130.1	HSK-A63-16-130	63	16	27	34	10	51	M12x1	130
H64.8016.160.1	HSK-A63-16-160	63	16	27	34	10	51	M12x1	160
H64.8016.200.1	HSK-A63-16-200	63	16	27	34	10	51	M12x1	200
H64.8018.95.1	HSK-A63-18-95	63	18	33	42	10	51	M12x1	95
H64.8018.120.1	HSK-A63-18-120	63	18	33	42	10	51	M12x1	120
H64.8018.130.1	HSK-A63-18-130	63	18	33	42	10	51	M12x1	130
H64.8018.160.1	HSK-A63-18-160	63	18	33	42	10	51	M12x1	160
H64.8018.200.1	HSK-A63-18-200	63	18	33	42	10	51	M12x1	200
H64.8020.100.1	HSK-A63-20-100	63	20	33	42	10	53	M16x1	100
H61.8020.120.1	HSK-A63-20-120	63	20	33	42	10	53	M16x1	120
H64.8020.130.1	HSK-A63-20-130	63	20	33	42	10	53	M16x1	130
H64.8020.160.1	HSK-A63-20-160	63	20	33	42	10	53	M16x1	160
H64.8020.200.1	HSK-A63-20-200	63	20	33	42	10	53	M16x1	200
H64.8025.115.1	HSK-A63-25-115	63	25	44	53	10	59	M16x1	115
H64.8025.160.1	HSK-A63-25-160	63	25	44	53	10	59	M16x1	160
H64.8025.200.1	HSK-A63-25-200	63	25	44	53	10	59	M16x1	200
H64.8032.120.1	HSK-A63-32-120	63	32	44	53	10	63	M16x1	120
H104.8006.85.1	HSK-A100-6-85	100	6	21	27	10	37	M5	85
H104.8006.120.1	HSK-A100-6-120	100	6	21	27	10	37	M5	120
H104.8006.130.1	HSK-A100-6-130	100	6	21	27	10	37	M5	130
H104.8006.160.1	HSK-A100-6-160	100	6	21	27	10	37	M5	160

DIN 69893 (HSK)

HSK-A 4.5° Shrink / HSK-A 4.5° 热缩刀柄



G2.5 25000min⁻¹

≤ 3μ

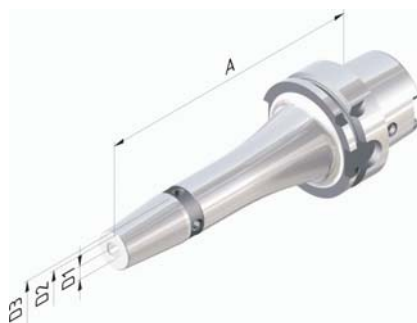
From AD

Order No. 货号	Size 规格	HSK	D1	D2	D3	V	L	M	A 有效长度
H104.8006.200.1	HSK-A100-6-200	100	6	21	27	10	37	M5	200
H104.8008.85.1	HSK-A100-8-85	100	8	21	27	10	37	M6	85
H104.8008.120.1	HSK-A100-8-120	100	8	21	27	10	37	M6	120
H104.8008.130.1	HSK-A100-8-130	100	8	21	27	10	37	M6	130
H104.8008.160.1	HSK-A100-8-160	100	8	21	27	10	37	M6	160
H104.8008.200.1	HSK-A100-8-200	100	8	21	27	10	37	M6	200
H104.8010.90.1	HSK-A100-10-90	100	10	24	32	10	42	M8x1	90
H104.8010.120.1	HSK-A100-10-120	100	10	24	32	10	42	M8x1	120
H104.8010.130.1	HSK-A100-10-130	100	10	24	32	10	42	M8x1	130
H104.8010.160.1	HSK-A100-10-160	100	10	24	32	10	42	M8x1	160
H104.8010.200.1	HSK-A100-10-200	100	10	24	32	10	42	M8x1	200
H104.8012.95.1	HSK-A100-12-95	100	12	24	32	10	48	M10x1	95
H104.8012.120.1	HSK-A100-12-120	100	12	24	32	10	48	M10x1	120
H104.8012.130.1	HSK-A100-12-130	100	12	24	32	10	48	M10x1	130
H104.8012.160.1	HSK-A100-12-160	100	12	24	32	10	48	M10x1	160
H104.8012.200.1	HSK-A100-12-200	100	12	24	32	10	48	M10x1	200
H104.8014.95.1	HSK-A100-14-95	100	14	27	34	10	48	M10x1	95
H104.8014.120.1	HSK-A100-14-120	100	14	27	34	10	48	M10x1	120
H104.8014.130.1	HSK-A100-14-130	100	14	27	34	10	48	M10x1	130
H104.8014.160.1	HSK-A100-14-160	100	14	27	34	10	48	M10x1	160
H104.8014.200.1	HSK-A100-14-200	100	14	27	34	10	48	M10x1	200
H104.8016.100.1	HSK-A100-16-100	100	16	27	34	10	51	M12x1	100
H104.8016.120.1	HSK-A100-16-120	100	16	27	34	10	51	M12x1	120
H104.8016.130.1	HSK-A100-16-130	100	16	27	34	10	51	M12x1	130
H104.8016.160.1	HSK-A100-16-160	100	16	27	34	10	51	M12x1	160
H104.8016.200.1	HSK-A100-16-200	100	16	27	34	10	51	M12x1	200
H104.8018.100.1	HSK-A100-18-100	100	18	33	42	10	51	M12x1	100
H104.8018.120.1	HSK-A100-18-120	100	18	33	42	10	51	M12x1	120



TOOL HOLDER / 刀柄 DIN 69893(HSK)

HSK-A 4.5° Shrink / HSK-A 4.5° 热缩刀柄



G2.5 25000min⁻¹

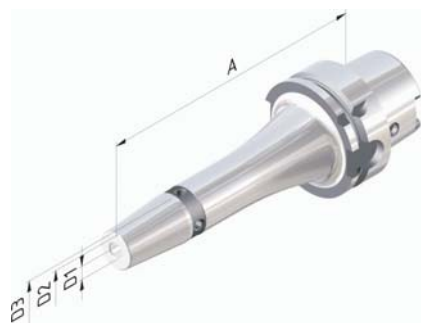
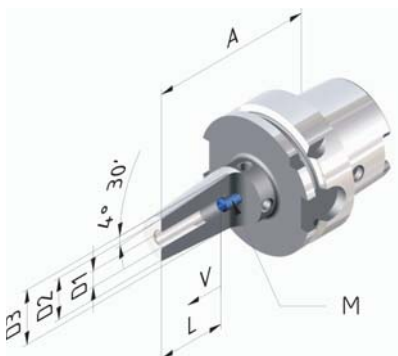
≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	D3	V	L	M	A 有效长度
H104.8018.130.1	HSK-A100-18-130	100	18	33	42	10	51	M12x1	130
H104.8018.160.1	HSK-A100-18-160	100	18	33	42	10	51	M12x1	160
H104.8018.200.1	HSK-A100-18-200	100	18	33	42	10	51	M12x1	200
H104.8020.105.1	HSK-A100-20-105	100	20	33	42	10	53	M16x1	105
H104.8020.120.1	HSK-A100-20-120	100	20	33	42	10	53	M16x1	120
H104.8020.130.1	HSK-A100-20-130	100	20	33	42	10	53	M16x1	130
H104.8020.160.1	HSK-A100-20-160	100	20	33	42	10	53	M16x1	160
H104.8020.200.1	HSK-A100-20-200	100	20	33	42	10	53	M16x1	200
H104.8025.115.1	HSK-A100-25-115	100	25	44	53	10	59	M16x1	115
H104.8025.130.1	HSK-A100-25-130	100	25	44	53	10	59	M16x1	130
H104.8025.160.1	HSK-A100-25-160	100	25	44	53	10	59	M16x1	160
H104.8025.200.1	HSK-A100-25-200	100	25	44	53	10	59	M16x1	200
H104.8032.120.1	HSK-A100-32-120	100	32	44	53	10	63	M16x1	120
H104.8032.160.1	HSK-A100-32-160	100	32	44	53	10	63	M16x1	160
H104.8032.200.1	HSK-A100-32-200	100	32	44	53	10	63	M16x1	200

DIN 69893 (HSK)

HSK-E 4.5° Shrink / HSK-E 4.5° 热缩刀柄



G2.5 25000min⁻¹

↗ ≤ 3μ

From AD

Order No. 货号	Size 规格	HSK	D1	D2	D3	V	L	M	A 有效长度
H54.8003.60.1	HSK-E40-3-60	40	3	12	17	-	-	-	60
H54.8004.60.1	HSK-E40-4-60	40	4	12	17	-	-	-	60
H54.8005.65.1	HSK-E40-5-65	40	5	12	17	-	-	-	60
H54.8006.80.1	HSK-E40-6-80	40	6	21	27	10	37	M5	80
H54.8008.80.1	HSK-E40-8-80	40	8	21	27	10	37	M6	80
H54.8010.80.1	HSK-E40-10-80	40	10	24	32	10	42	M8x1	80
H54.8012.90.1	HSK-E40-12-90	40	12	24	32	10	48	M10x1	90
H54.8014.90.1	HSK-E40-14-90	40	14	27	34	10	48	M10x1	90
H54.8016.90.1	HSK-E40-16-90	40	16	27	34	10	51	M12x1	90
H55.8003.60.1	HSK-E50-3-60	50	3	12	17	-	-	-	60
H55.8004.60.1	HSK-E50-4-60	50	4	12	17	-	-	-	60
H55.8005.60.1	HSK-E50-5-60	50	5	12	17	-	-	-	60
H55.8006.80.1	HSK-E50-6-80	50	6	21	27	10	37	M5	80
H55.8008.80.1	HSK-E50-8-80	50	8	21	27	10	37	M6	80
H55.8010.85.1	HSK-E50-10-85	50	10	24	32	10	42	M8x1	85
H55.8012.90.1	HSK-E50-12-90	50	12	24	32	10	48	M10x1	90
H55.8014.90.1	HSK-E50-14-90	50	14	27	34	10	48	M10x1	90
H55.8016.95.1	HSK-E50-16-95	50	16	27	34	10	51	M12x1	95

应用：夹持硬质合金或高速钢圆柱柄刀具, 柄公差H6

Application: For clamping tools with cylindrical shank.

技术结构：特殊耐热钢制作，适用于热缩装置带四个额外螺纹辅助精调平衡, 外锥相对D1的跳动 ≤ 0,003mm, 孔公差级别H4 (比DIN更精确)

Technical Design: Made of special heat resistant steel. Suitable for inductive shrinking unit. With four additional threads for supplementary fine balancing. Runout of outer taper to D1 ≤ 0, 003 mm Tolerance of bore H4 (more accurate as DIN).

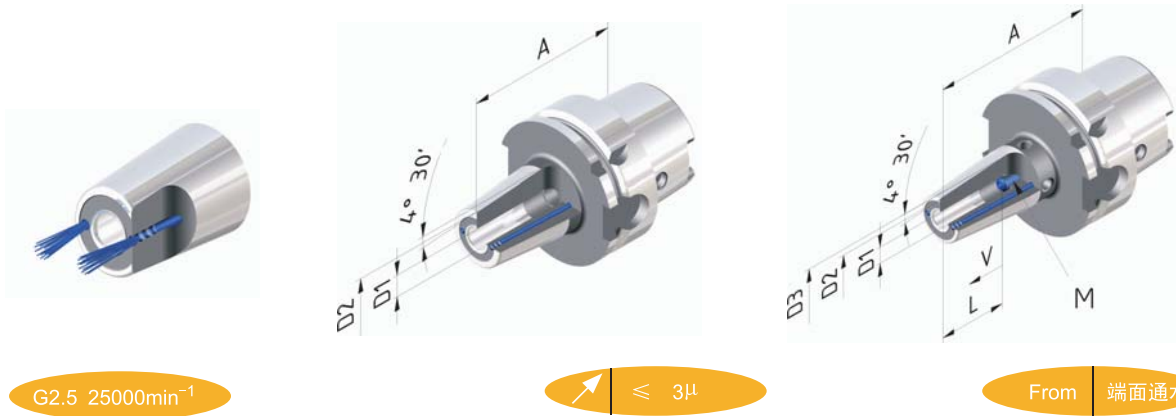
发货：带调节螺钉

Includes: Set screw.



TOOL HOLDER / 刀柄 DIN 69893(HSK)

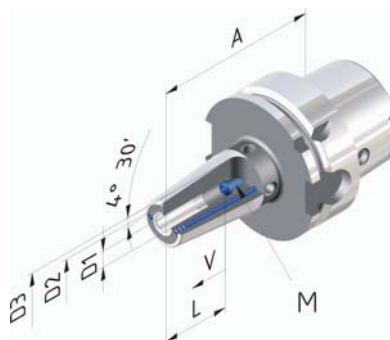
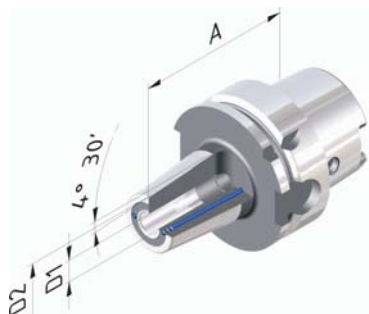
HSK-A 4.5° Shrink / HSK-A 4.5° 端面通水热缩刀柄



Order No. 货号	Size 规格	HSK	D1	D2	D3	V	L	M	A 有效长度
H64.8006.80.3	HSK-A63-6-80	60	6	21	27	10	37	M5	80
H64.8006.120.3	HSK-A63-6-120	60	6	21	27	10	37	M5	120
H64.8008.80.3	HSK-A63-8-80	60	8	21	27	10	37	M6	80
H64.8008.120.3	HSK-A63-8-120	60	8	21	27	10	37	M6	120
H64.8010.70.3	HSK-A63-10-70	60	10	26	33	-	42	-	70
H64.8010.85.3	HSK-A63-10-85	60	10	26	33	10	42	M8x1	85
H64.8010.120.3	HSK-A63-10-120	60	10	26	33	10	42	M8x1	120
H64.8012.70.3	HSK-A63-12-70	60	12	26	33	-	48	-	70
H64.8012.90.3	HSK-A63-12-90	60	12	24	32	10	48	M10x1	90
H64.8012.120.3	HSK-A63-12-120	60	12	24	32	10	48	M10x1	120
H64.8014.90.3	HSK-A63-14-90	60	14	27	34	10	48	M10x1	90
H64.8014.120.3	HSK-A63-14-120	60	14	27	34	10	48	M10x1	120
H64.8016.75.3	HSK-A63-16-75	60	16	29	37	-	51	-	75
H64.8016.95.3	HSK-A63-16-95	60	16	27	34	10	48	M12x1	95
H64.8016.120.3	HSK-A63-16-120	60	16	27	34	10	48	M12x1	120
H64.8018.95.3	HSK-A63-18-95	60	18	33	42	10	51	M12x1	95
H64.8018.120.3	HSK-A63-18-120	60	18	33	42	10	51	M12x1	120
H64.8020.75.3	HSK-A63-20-75	60	20	35	43	-	53	-	75
H64.8020.100.3	HSK-A63-20-100	60	20	33	42	10	53	M16x1	100
H64.8020.120.3	HSK-A63-20-120	60	20	33	42	10	53	M16x1	120
H64.8025.85.3	HSK-A63-25-85	60	25	45	50	-	59	-	85
H64.8025.115.3	HSK-A63-25-115	60	25	44	53	10	59	M16x1	115

DIN 69893 (HSK)

HSK-A 4.5° Shrink / HSK-A 4.5° 端面通水热缩刀柄



G2.5 25000min⁻¹

≤ 3μ

From 端面通水

Order No. 货号	Size 规格	HSK	D1	D2	D3	V	L	M	A 有效长度
H104.8006.85.3	HSK-A100-6-85	100	6	21	27	10	37	M5	85
H104.8008.85.3	HSK-A100-8-85	100	8	21	27	10	37	M6	85
H104.8010.90.3	HSK-A100-10-90	100	10	24	32	10	42	M8x1	90
H104.8012.95.3	HSK-A100-12-95	100	12	24	32	10	48	M10x1	95
H104.8014.95.3	HSK-A100-14-95	100	14	27	34	10	48	M10x1	95
H104.8016.100.3	HSK-A100-16-100	100	16	27	34	10	51	M12x1	100
H104.8018.100.3	HSK-A100-18-100	100	18	33	42	10	51	M12x1	100
H104.8020.105.3	HSK-A100-20-105	100	20	33	42	10	53	M16x1	105
H104.8025.115.3	HSK-A100-25-115	100	25	44	53	10	59	M16x1	115

应用：专门用于无内冷刀具，用在难排屑位置上加工

技术结构：刀杆内两个孔将冷却剂直接能到切削刃，使用内冷刀具的话，可以用螺钉密封冷却孔

发货：调节螺钉，2个M3密封螺钉

Application:

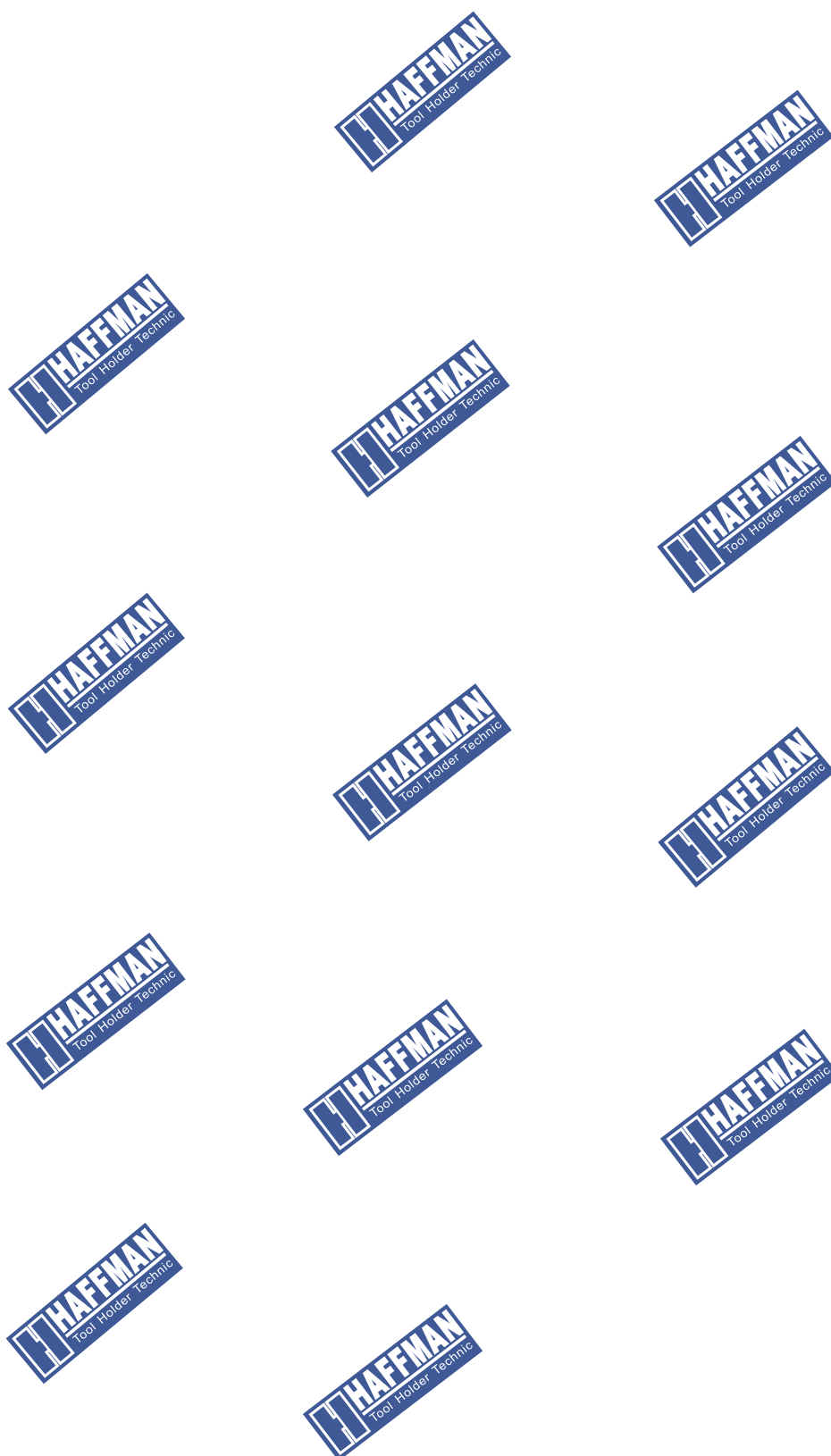
Technical Design:

Includes:

Particularly suitable for tools without internal coolant, and for machining at difficult positions with bad chip removal.

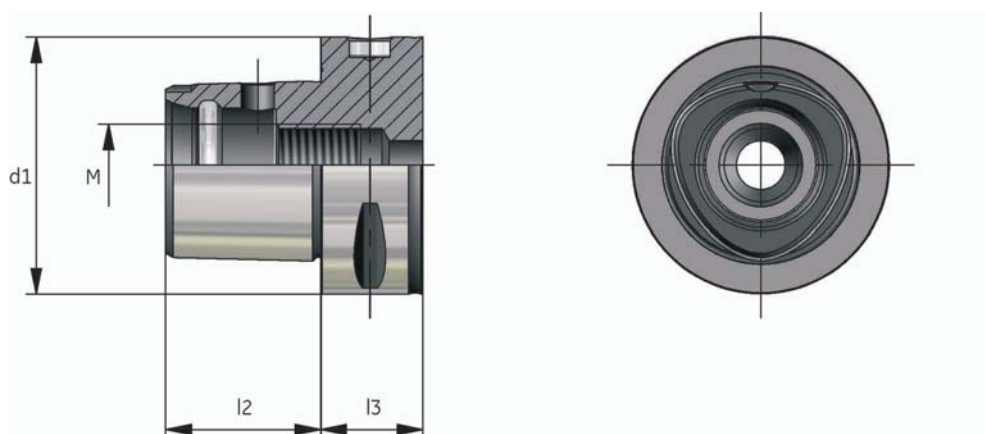
Two holes in the toolholder lead the coolant directly to the cutting edge. Coolant holes can be re-sealed with screws for the use of tools with internal coolant holes.

Set screw and 2 x M3 screws to plug the coolant holes if needed.



刀柄

MIT POLYGONSCHAFTKEGEL CORUM



C	d1	l2	l3	M
6	63	38	22	M20x2

ER弹簧夹头刀柄 ————— 4.03

ER迷你弹簧夹头刀柄 ————— 4.04

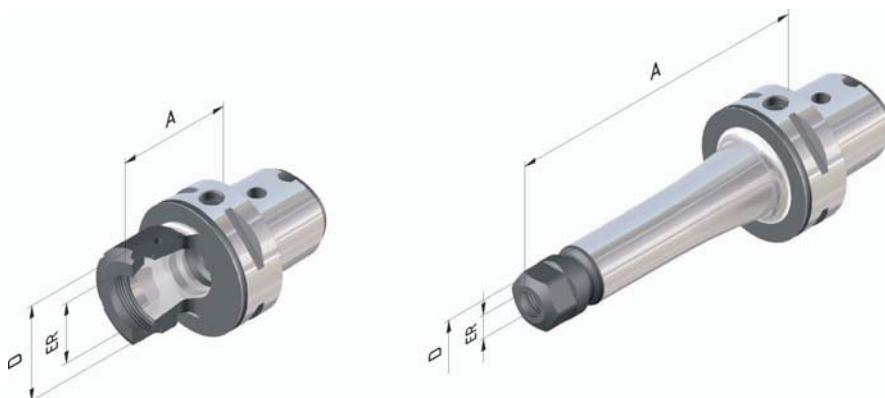
侧固式刀柄 ————— 4.05

斜2° 侧固式铣刀柄 ————— 4.06

面铣刀柄 ————— 4.07

热缩刀柄 ————— 4.09

Collet Chuck ER / ER弹簧夹头刀柄



Order No. 货号	Size 规格	C	ER	D2	A 有效长度
C6. 1016. 60. 1	C6-ER16-60	6	ER16	28	60
C6. 1016. 100. 1	C6-ER16-100	6	ER16	28	100
C6. 1016. 160. 1	C6-ER16-160	6	ER16	28	160
C6. 1025. 60. 1	C6-ER25-60	6	ER25	42	60
C6. 1025. 100. 1	C6-ER25-100	6	ER25	42	100
C6. 1025. 130. 1	C6-ER25-130	6	ER25	42	130
C6. 1025. 160. 1	C6-ER25-160	6	ER25	42	160
C6. 1032. 60. 1	C6-ER32-60	6	ER32	50	60
C6. 1032. 100. 1	C6-ER32-100	6	ER32	50	100
C6. 1032. 130. 1	C6-ER32-130	6	ER32	50	130
C6. 1032. 160. 1	C6-ER32-160	6	ER32	50	160
C6. 1040. 65. 1	C6-ER40-65	6	ER40	63	65
C6. 1040. 100. 1	C6-ER40-100	6	ER40	63	100

应用：以ER夹头夹持圆柱柄刀具

技术结构：外锥到内锥跳动 $\leq 0.003\text{mm}$, 通过ER内锥和夹头锥锥度公差精确调节, 在2.5XD处最大跳动为 $\leq 8\mu$

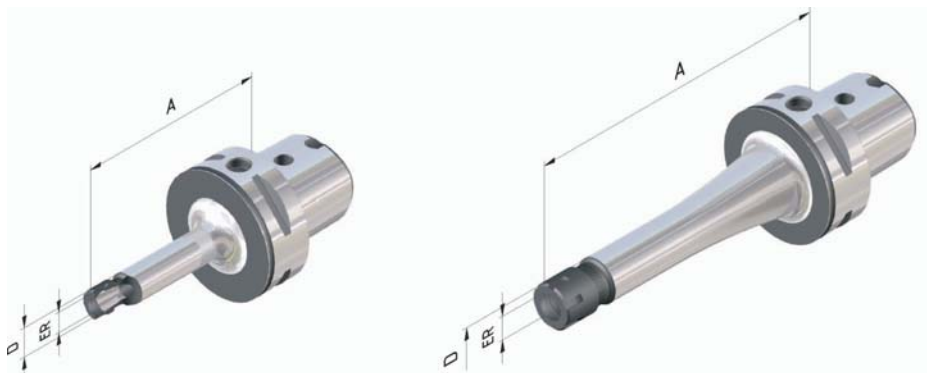
发货：带螺母

Application: For clamping tools with cylindrical shank in collets ER.

Technical Design: Runout of outer taper to inner taper. Due to adjusted taper tolerances of the ER-inner taper and the collet taper max. runout of $\leq 8\mu$ at 2.5 X D.

Includes: Clamping nut.

Collet Chuck ER / ER 迷你弹簧夹头刀柄



Order No. 货号	Size 规格	C	ER	D2	A 有效长度
C6.1411.100.1	C6-ER11-100	6	ER11	16	100
C6.1411.160.1	C6-ER11-160	6	ER11	16	160
C6.1416.100.1	C6-ER16-100	6	ER16	22	100
C6.1416.160.1	C6-ER16-160	6	ER16	22	160

应用：以ER夹头夹持圆柱柄刀具

技术结构：外锥到内锥跳动 $\leq 0.003\text{mm}$, 通过ER内锥和夹头锥锥度公差精确调节, 在2, 5XD处最大跳动为 $\leq 8\mu$

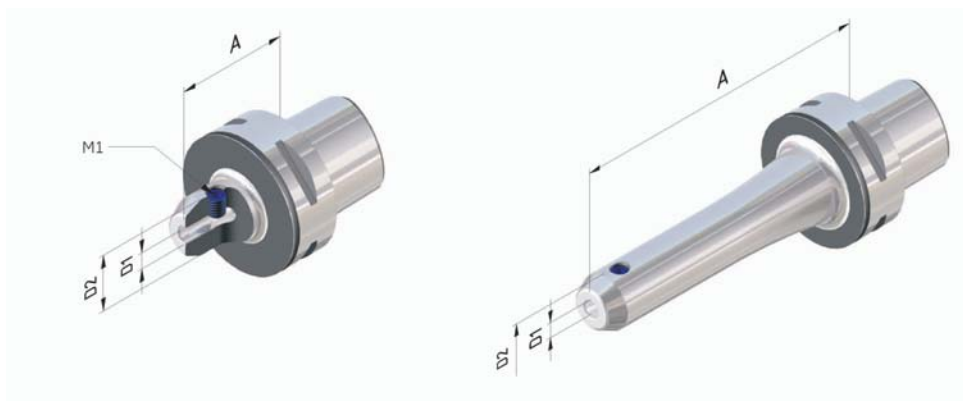
发货：带螺母

Application: For clamping tools with cylindrical shank in collets ER.

Technical Design: Runout of outer taper to inner taper. Due to adjusted taper tolerances of the ER-inner taper and the collet taper max. runout of $\leq 8\mu$ at 2, 5 X D.

Includes: Mini-Clamping nut.

Weldon Toolhold / BT侧固式铣刀柄



Order No. 货号	Size 规格	C	D1	D2	M	A 有效长度
C6.2006.55.1	C6-6-55	6	6	25	M6	55
C6.2006.100.1	C6-6-100	6	6	25	M6	100
C6.2008.55.1	C6-8-55	6	8	28	M8	55
C6.2008.100.1	C6-8-100	6	8	28	M8	100
C6.2010.60.1	C6-10-60	6	10	35	M10	60
C6.2010.100.1	C6-10-100	6	10	35	M10	100
C6.2012.60.1	C6-12-60	6	12	42	M12	60
C6.2012.100.1	C6-12-100	6	12	42	M12	100
C6.2014.60.1	C6-14-60	6	14	44	M12	60
C6.2014.100.1	C6-14-100	6	14	44	M12	100
C6.2016.65.1	C6-16-65	6	16	48	M14	65
C6.2016.100.1	C6-16-100	6	16	48	M14	100
C6.2018.65.1	C6-18-65	6	18	50	M14	65
C6.2018.100.1	C6-18-100	6	18	50	M14	100
C6.2020.65.1	C6-20-65	6	20	52	M16	65
C6.2020.100.1	C6-20-100	6	20	52	M16	100
C6.2025.80.1	C6-25-80	6	25	65	M18x2	80
C6.2032.90.1	C6-32-90	6	32	72	M20x2	90

应用：夹持DIN1835B/6359HB圆柱柄刀具

技术结构：外锥相对D1的跳动 ≤ 0.003mm, 孔公差级别H4 (比DIN更精确)

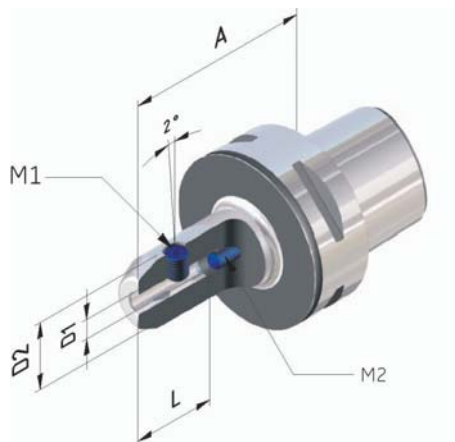
发货：带夹紧螺钉

Application: For clamping tools with cylindrical shank according to DIN 1835 B.

Technical Design: Runout of outer taper to D1 ≤ 0,003 mm
Tolerance of bore H4 (more accurate as DIN).

Includes: Clamping screw.

Whistle Notch Toolholder / BT斜2° 侧固式铣刀柄



Order No. 货号	Size 规格	C	D	D2	L	M1	M2	A 有效长度
C6.2106.75.1	C6-6-75	6	6	25	36.5	M6	M5	75
C6.2108.75.1	C6-8-75	6	8	28	36.5	M8	M6	75
C6.2110.75.1	C6-10-75	6	10	35	40.5	M10	M8	75
C6.2112.80.1	C6-12-80	6	12	42	45.5	M12	M10	80
C6.2114.80.1	C6-14-80	6	14	44	45.5	M12	M10	80
C6.2116.80.1	C6-16-80	6	16	49	48.5	M14	M12	80
C6.2118.80.1	C6-18-80	6	18	50	48.5	M14	M12	80
C6.2120.85.1	C6-20-85	6	20	52	50.5	M16	M16	85
C6.2125.90.1	C6-25-90	6	25	65	56.5	M18x2	M20	90
C6.2132.95.1	C6-32-95	6	32	72	60.5	M20x2	M20	95

应用：夹持DIN1835B/6359HB圆柱柄刀具

技术结构：外锥相对D1的跳动 $\leq 0.003\text{mm}$, 孔公差
级别H4 (比DIN更精确)

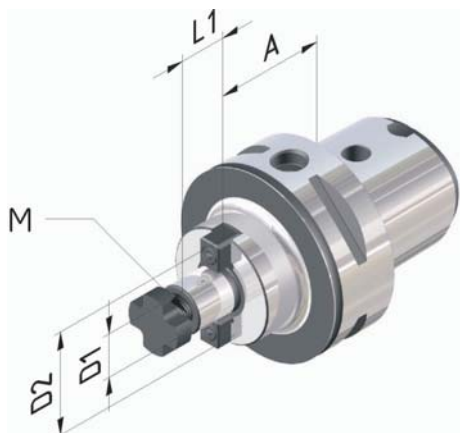
发货：带夹紧螺钉和调节螺钉

Application: For clamping tools with cylindrical shank
according to DIN 1835 B.

Technical Design: Runout of outer taper to D1 $\leq 0.003\text{ mm}$
Tolerance of bore H4 (more accurate as DIN).

Includes: Clamping screw and set screw.

Shell Mill Toolholder / 面铣刀柄



Order No. 货号	Size 规格	C	D1	D2	L1	M	A 有效长度
C6.4116.40.1	C6-16-40	6	16	38	17	M8	40
C6.4116.65.1	C6-16-65	6	16	38	17	M8	65
C6.4122.25.1	C6-22-25	6	22	48	19	M10	25
C6.4122.65.1	C6-22-65	6	22	48	19	M10	65
C6.4127.25.1	C6-27-25	6	27	60	21	M12	25
C6.4127.65.1	C6-27-65	6	27	60	21	M12	65
C6.4132.25.1	C6-32-25	6	32	63	24	M16	25
C6.4132.65.1	C6-32-65	6	32	63	24	M16	65

应用：适用于带横向槽面铣刀

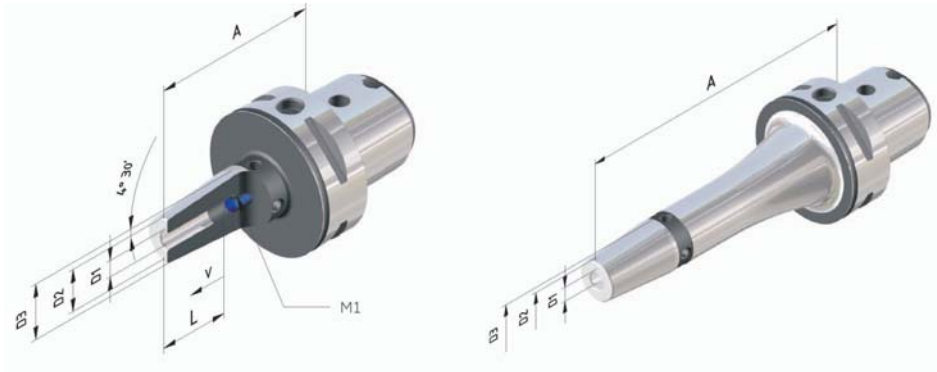
技术结构：带延长凸缘，外锥相对D1的跳动 $\leq 0,003$ mm

发货：带夹紧螺钉和传动键

Application: For adapting shell mills with transverse slot.

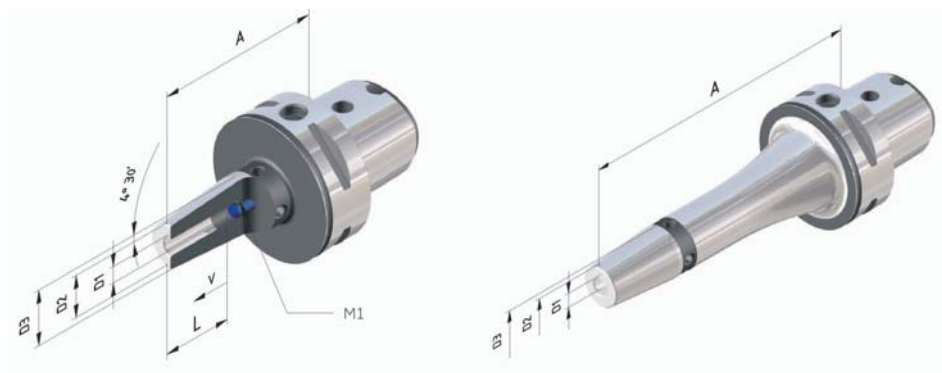
Technical Design: With extended flange.
Runout of outer taper to $D1 \leq 0,006$ mm.

Includes: Clamping screw and drive keys.

Shrink With 4.5° / 热缩刀柄


Order No. 货号	Size 规格	C	D1	D2	D3	V	L	M1	A 有效长度
C6.8003.80.1	C6-3-80	6	3	12	17	-	-	-	80
C6.8004.80.1	C6-4-80	6	4	12	17	-	-	-	80
C6.8005.80.1	C6-5-80	6	5	12	17	-	-	-	80
C6.8006.80.1	C6-6-80	6	6	21	27	10	36	M5	80
C6.8006.120.1	C6-6-120	6	6	21	27	10	36	M5	120
C6.8006.160.1	C6-6-160	6	6	21	27	10	36	M5	160
C6.8008.80.1	C6-8-80	6	8	21	27	10	36	M6	80
C6.8008.120.1	C6-8-120	6	8	21	27	10	36	M6	120
C6.8008.160.1	C6-8-160	6	8	21	27	10	36	M6	160
C6.8010.80.1	C6-10-80	6	10	24	32	10	42	M8x1	80
C6.8010.120.1	C6-10-120	6	10	24	32	10	42	M8x1	120
C6.8010.160.1	C6-10-160	6	10	24	32	10	42	M8x1	160
C6.8012.80.1	C6-12-80	6	12	24	32	10	47	M10x1	80
C6.8012.120.1	C6-12-120	6	12	24	32	10	47	M10x1	120
C6.8012.160.1	C6-12-160	6	12	24	32	10	47	M10x1	160
C6.8014.85.1	C6-14-85	6	14	27	34	10	47	M10x1	85
C6.8014.120.1	C6-14-120	6	14	27	34	10	47	M10x1	120
C6.8014.160.1	C6-14-160	6	14	27	34	10	47	M10x1	160
C6.8016.85.1	C6-16-85	6	16	27	34	10	50	M12x1	85
C6.8016.120.1	C6-16-120	6	16	27	34	10	50	M12x1	120
C6.8016.160.1	C6-16-160	6	16	27	34	10	50	M12x1	160
C6.8018.85.1	C6-18-85	6	18	42	44	10	50	M12x1	85
C6.8018.120.1	C6-18-120	6	18	42	44	10	50	M12x1	120
C6.8018.160.1	C6-18-160	6	18	42	44	10	50	M12x1	160
C6.8020.85.1	C6-20-85	6	20	42	44	10	52	M16x1	85
C6.8020.120.1	C6-20-120	6	20	42	44	10	52	M16x1	120
C6.8020.160.1	C6-20-160	6	20	42	44	10	52	M16x1	160

Shrink With 4.5° / 热缩刀柄



Order No. 货号	Size 规格	C	D1	D2	D3	V	L	M1	A 有效长度
C6.8025.90.1	C6-25-90	6	25	44	53	10	58	M16x1	90
C6.8025.120.1	C6-25-120	6	25	44	53	10	58	M16x1	120
C6.8025.160.1	C6-25-160	6	25	44	53	10	58	M16x1	160
C6.8032.95.1	C6-32-95	6	32	44	53	10	58	M16x1	95
C6.8032.120.1	C6-32-120	6	32	44	53	10	58	M16x1	120
C6.8032.160.1	C6-32-160	6	32	44	53	10	58	M16x1	160

应用：夹持硬质合金或高速钢圆柱柄刀具

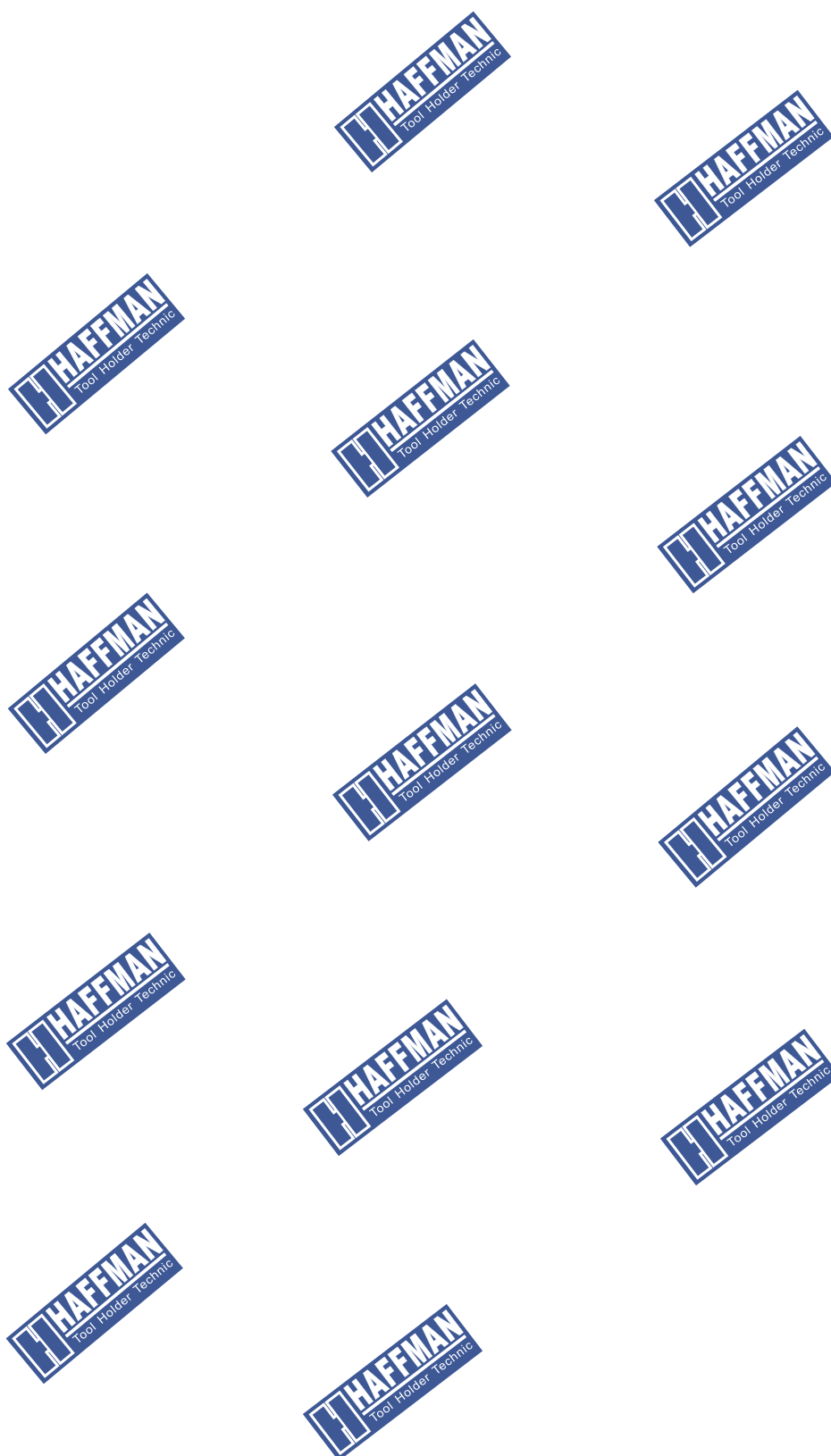
技术结构：特殊耐热钢制作, 适用于热缩装置, 带四个额外螺纹辅助精调平衡, 外锥相对D1的跳动 $\leq 0,003$ mm, 孔公差级别H4 (比DIN更精确)

发货：带调节螺钉

Application: For clamping tools with cylindrical shank.

Technical Design: Made of special heat resistant steel. Suitable for inductive shrinking unit. With four additional threads for supplementary fine balancing. Runout of outer taper to D1 $\leq 0,003$ mm. Tolerance of bore H4 (more accurate as DIN).

Includes: Set screw.

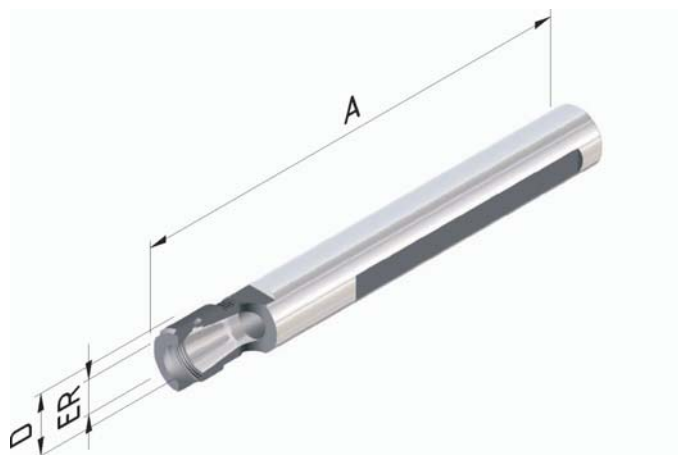


配件



ER迷你延长杆	5.03	热缩刀柄延长杆	5.04
DIN 69872拉钉	5.08	ISO 7388 B型拉钉	5.09
MAS 403 BT拉钉	5.10	CAT拉钉	5.11
刀柄冷却导管	5.12	ER高精密弹簧夹头	5.13
ER弹簧夹头套装	5.17	螺母	5.17
带保护装置快换攻丝夹头	5.18	不带保护装置快换攻丝夹头	5.20
液压减径套	5.22		

DIN 6499 B Collets ER / ER-迷你延长杆



Order No. 货号	Size 规格	D	ER	A
H4016.1411.169	ER11-16-169	16	11	169
H4020.1416.163	ER16-20-163	20	16	163
H4025.1420.164	ER20-25-164	25	20	164

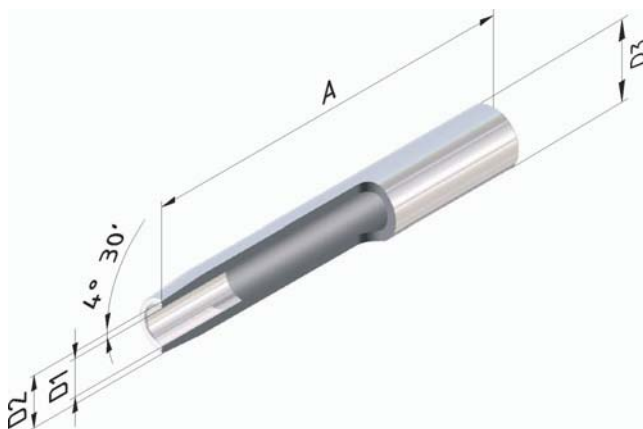
应用：延长刀柄, 圆柱柄可用铣刀柄或弹簧夹头刀柄夹紧

Application: For the extension of tool holders.
Cylindrical shank can be clamped
in end mill holder or collet chuck.

发货：带螺母

Includes: Clamping nut.

Shrink Fit Extension Chuck / HSK-4.5°热缩刀柄延长杆

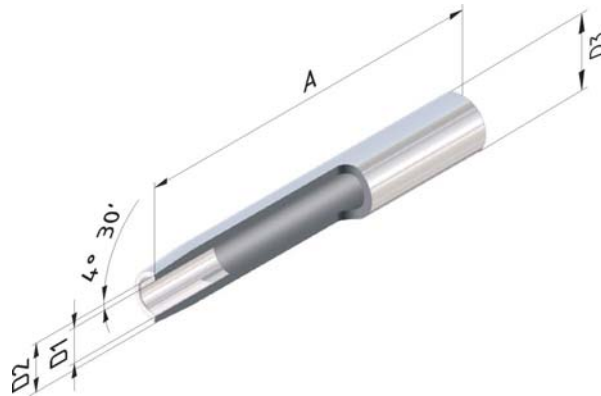


Order No. 货号	Size 规格	D3	D1	D2	A
H4612.0803	LS-12-3-160	12	3	8	160
H4612.0804	LS-12-4-160	12	4	8	160
H4616.1003	LS-16-3-160	16	3	10	160
H4616.1004	LS-16-4-160	16	4	10	160
H4616.1005	LS-16-5-160	16	5	10	160
H4616.1006	LS-16-6-160	16	6	10	160
H4620.1405	LS-20-5-160	20	5	14	160
H4620.1406	LS-20-6-160	20	6	14	160
H4620.1408	LS-20-8-160	20	8	14	160
H4625.1908	LS-25-8-160	25	8	19	160
H4625.2010	LS-25-10-160	25	10	20	160
H4625.2012	LS-25-12-160	25	12	20	160
H4625.2014	LS-25-14-160	25	14	20	160
H4625.2216	LS-25-16-160	25	16	22	160
H4632.2410	LS-32-10-160	32	10	24	160
H4632.2412	LS-32-12-160	32	12	24	160
H4632.2714	LS-32-14-160	32	14	27	160
H4632.2716	LS-32-16-160	32	16	27	160
H4632.2718	LS-32-18-160	32	18	27	160
H4632.2720	LS-32-20-160	32	20	27	160

应用：延长刀柄, 圆柱柄用铣刀柄或弹簧夹头刀柄夹紧

Application: For the extension of tool holders.
Cylindrical shank can be clamped
in end mill holder or collet chuck.

Shrink Fit Extension Chuck / HSK-4.5°热缩刀柄延长杆

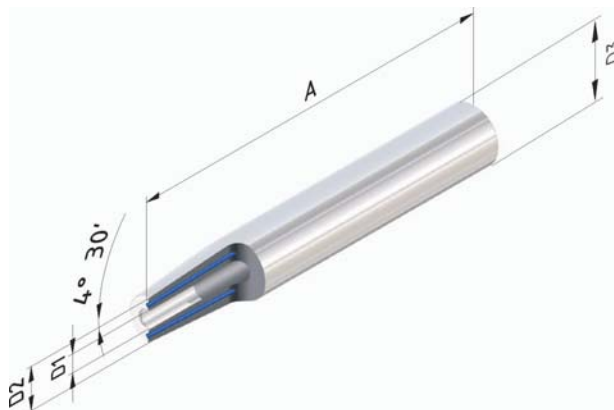


Order No. 货号	Size 规格	D3	D1	D2	A
H4620.1406	LS-20-6-300	20	6	14	300
H4620.1408	LS-20-8-300	20	8	14	300
H4625.1908	LS-25-8-300	25	8	19	300
H4625.2010	LS-25-10-300	25	10	20	300
H4625.2012	LS-25-12-300	25	12	20	300
H4625.2014	LS-25-14-300	25	14	20	300
H4625.2216	LS-25-16-300	25	16	22	300
H4632.2410	LS-32-10-300	32	10	24	300
H4632.2412	LS-32-12-300	32	12	24	300
H4632.2714	LS-32-14-300	32	14	27	300
H4632.2716	LS-32-16-300	32	16	27	300
H4632.2720	LS-32-20-300	32	20	27	300

应用：延长刀柄, 圆柱柄用铣刀柄或弹簧夹头刀柄夹紧

Application: For the extension of tool holders.
Cylindrical shank can be clamped
in end mill holder or collet chuck.

Shrink Fit Extension Chuck / HSK-4.5°带前端通水热缩刀柄延长杆

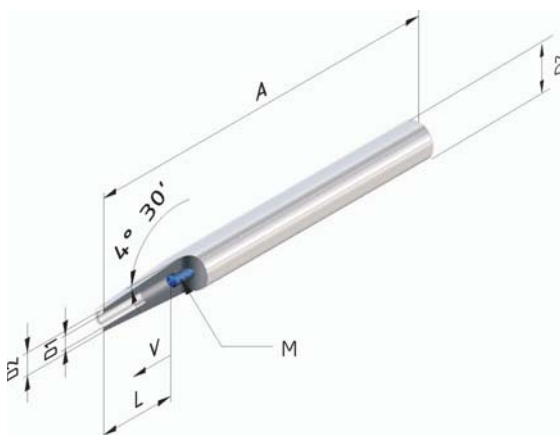


Order No. 货号	Size 规格	D3	D1	D2	A
H4620.1406.3	LCT-20-6-160	20	6	14	160
H4625.1908.3	LCT-25-8-160	25	8	19	160
H4625.2010.3	LCT-25-10-160	25	10	20	160
H4632.2410.3	LCT-32-10-160	32	10	24	160
H4632.2412.3	LCT-32-12-160	32	12	24	160
H4632.2714.3	LCT-32-14-160	32	14	27	160
H4632.2716.3	LCT-32-16-160	32	16	27	160

应用：延长刀柄, 圆柱柄用铣刀柄或弹簧夹头刀柄夹紧

Application: For the extension of tool holders.
Cylindrical shank can be clamped
in end mill holder or collet chuck.

Shrink Fit Extention Chuck / HSK-4.5°带长度调节热缩刀柄延长杆



Order No. 货号	Size 规格	D3	D1	D2	A	V	L	M
H4716.1006	LS3-16-6-160	16	6	10	160	10	37	M5
H4720.1406	LS3-20-6-160	20	6	14	160	10	37	M5
H4725.1408	LS3-20-8-160	20	8	14	160	10	37	M6
H4725.1908	LS3-25-8-160	25	8	19	160	10	37	M6
H4725.2010	LS3-25-10-160	25	10	20	160	10	42	M8x1
H4725.2012	LS3-25-12-160	25	12	20	160	10	48	M10x1
H4725.2014	LS3-25-14-160	25	14	20	160	10	48	M10x1
H4725.2216	LS3-25-16-160	25	16	22	160	10	51	M12x1
H4732.2410	LS3-32-10-160	32	10	24	160	10	42	M8x1
H4732.2412	LS3-32-12-160	32	12	24	160	10	48	M10x1
H4732.2714	LS3-32-14-160	32	14	27	160	10	48	M10x1
H4732.2716	LS3-32-16-160	32	16	27	160	10	51	M12x1
H4732.2718	LS3-32-18-160	32	18	27	160	10	51	M12x1
H4732.2720	LS3-32-20-160	32	20	27	160	10	53	M16x1

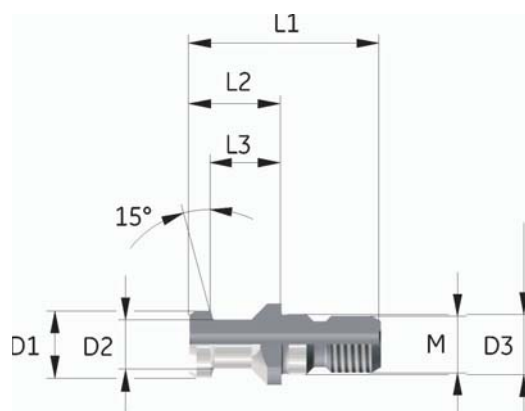
应用：延长刀柄, 圆柱柄可用铣刀柄或弹簧夹头刀柄夹紧

Application: For the extension of tool holders.
Cylindrical shank can be clamped
in end mill holder or collet chuck.

发货：带调节螺钉

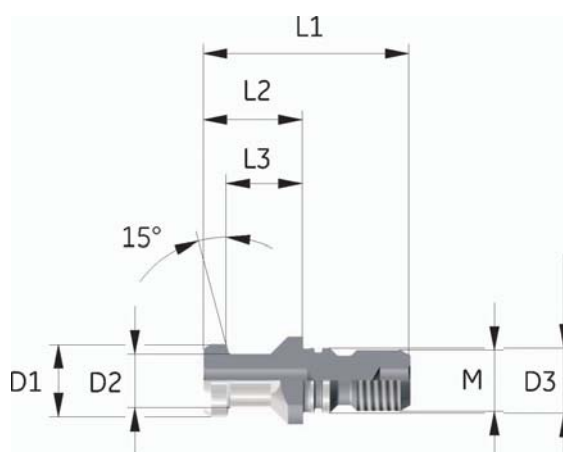
Includes: With set screw.

Pull Studs DIN 69872 A / SK-通孔无密封拉钉



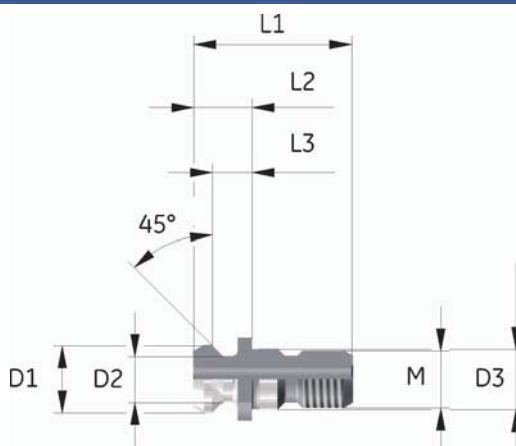
Order No. 货号	Size 规格	SK	D1	D2	D3	L1	L2	L3	M
H2042.2015	PS-SK40	40	19	14	17	54	26	20	M16
H2052.2015	PS-SK50	50	28	21	25	74	34	25	M24

Pull Studs DIN 69872 A / SK-盲孔带密封拉钉



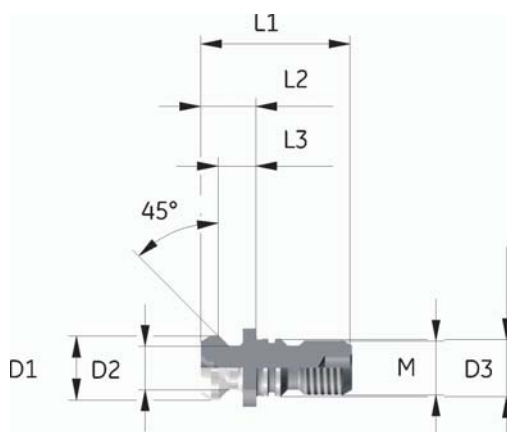
Order No. 货号	Size 规格	SK	D1	D2	D3	L1	L2	L3	M
H2042.3015	PS-SK40	40	19	14	17	54	26	20	M16
H2052.3015	PS-SK50	50	28	21	25	74	34	25	M24

Pull Studs ISO 7388 Form B / SK-通孔无密封拉钉



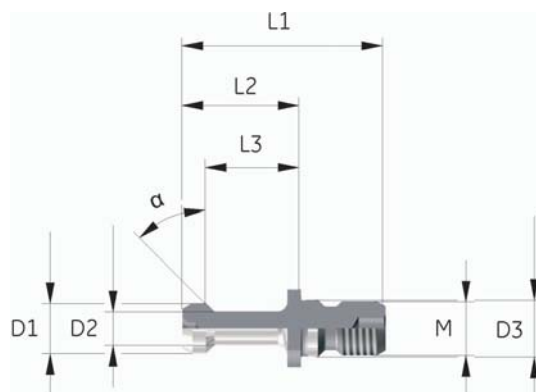
Order No. 货号	Size 规格	SK	D1	D2	D3	L1	L2	L3	M
H2047.2045	PS-SK40	40	18.95	12.95	17	44.5	16.4	11.5	M16
H2057.2045	PS-SK50	50	29.1	19.6	25	65.5	25.55	17.95	M24

Pull Studs ISO 7388 Form B / SK-盲孔带密封拉钉



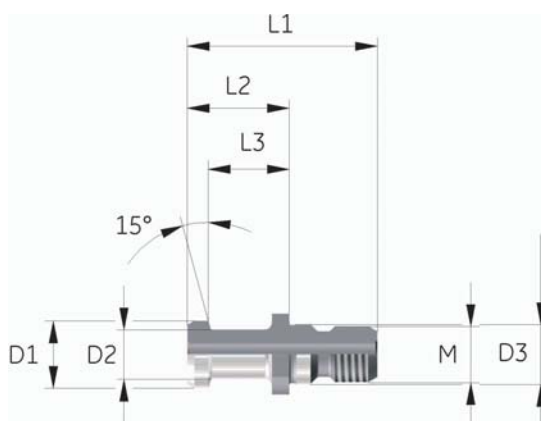
Order No. 货号	Size 规格	SK	D1	D2	D3	L1	L2	L3	M
H2047.3045	PS-SK40	40	18.95	12.95	17	44.5	16.4	11.5	M16
H2057.3045	PS-SK50	50	29.1	19.6	25	65.5	25.55	17.95	M24

Pull Studs MAS 403 BT / BT-盲孔无密封拉钉



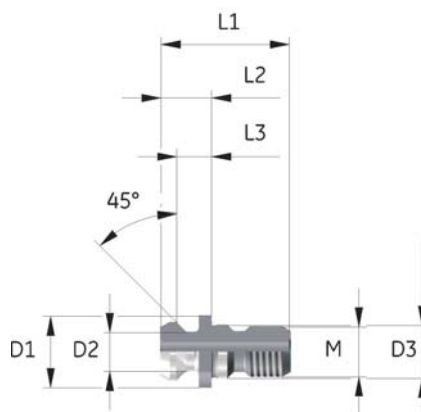
Order No. 货号	Size 规格	BT	∞	D1	D2	D3	L1	L2	L3	M
H2031.4030	PS-BT30	30	30	11	7	12.5	43	23	18	M12
H2041.4045	PS-BT40	40	45	15	10	17	60	35	28	M16
H2041.4030	PS-BT40	40	30	15	10	17	60	35	28	M16
H2051.4045	PS-BT50	50	45	23	17	25	85	45	35	M24
H2051.4030	PS-BT50	50	30	23	17	25	85	45	35	M24

Pull Studs MAS BT / BT-通孔无密封拉钉



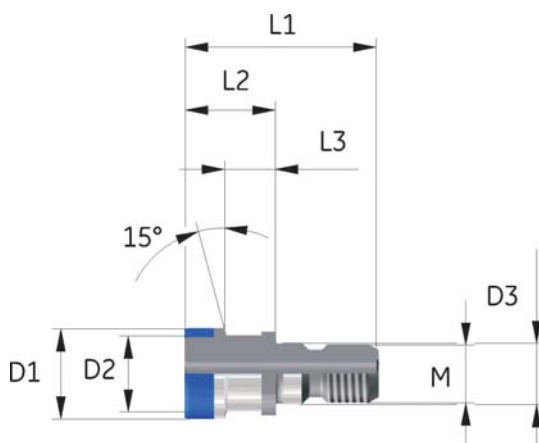
Order No. 货号	Size 规格	BT	D1	D2	D3	L1	L2	L3	M
H2041.2015	PS-BT40	40	19	14	17	54	29	23	M16
H2051.2015	PS-BT50	50	28	21	25	74	34	25	M24

Pull Studs ANSI CAT / CAT-通孔带密封拉钉



Order No. 货号	Size 规格	SK	D1	D2	D3	L1	L2	L3	M
H2056.1045	PS-CAT50	50	28.95	20.82	25	65.4	25.4	17.78	M24

Pull Studs DIN2080 / DIN2080拉钉



Order No. 货号	Size 规格	SK	D1	D2	D3	L1	L2	L3	M
H2041.3015	PS-SK40	40	25	21.1	17	53	25	13.6	M16
H2051.3015	PS-SK50	50	39.3	32	25	65	25	13.35	M24

Coolant Tubes / HSK 刀柄冷却导管



Order No. 货号	Size 规格	HSK	M	D	I
H3532.0000	CTB-32	32	M10x1	6	26
H3540.0000	CTB-40	40	M12x1	8	29
H3550.0000	CTB-50	50	M16x1	10	33
H3563.0000	CTB-63	63	M18x1	12	36.5
H3580.0000	CTB-80	80	M20x1.5	14	39.5
H3510.0000	CTB-100	100	M24x1.5	16	43.5

DIN 6499 B Collets ER / ER-高精度弹簧夹头



高复位性的超精密结构以及去毛刺纯化处理，保证了夹头在5μ以内的跳动，从而有效保护了刀柄内锥和跳动精度，同时还大大提高了夹持力和刚性

Order No. 货号	Size 规格	ER	直径
H1011.1001	ER11-1.0	11	1.0
H1011.10015	ER11-1.5	11	1.5
H1011.1002	ER11-2.0	11	2.0
H1011.10025	ER11-2.5	11	2.5
H1011.1003	ER11-3.0	11	3.0
H1011.10035	ER11-3.5	11	3.5
H1011.1004	ER11-4.0	11	4.0
H1011.10045	ER11-4.5	11	4.5
H1011.1005	ER11-5.0	11	5.0
H1011.10055	ER11-5.5	11	5.5
H1011.1006	ER11-6.0	11	6.0
H1011.10065	ER11-6.5	11	6.5
H1011.1007	ER11-7.0	11	7.0
H1016.1001	ER16-1.0	16	1.0
H1016.10015	ER16-1.5	16	1.5
H1016.1002	ER16-2.0	16	2.0
H1016.10025	ER16-2.5	16	2.5
H1016.1003	ER16-3.0	16	3.0
H1016.10035	ER16-3.5	16	3.5
H1016.1004	ER16-4.0	16	4.0
H1016.10045	ER16-4.5	16	4.5
H1016.1005	ER16-5.0	16	5.0
H1016.10055	ER16-5.5	16	5.5
H1016.1006	ER16-6.0	16	6.0
H1016.10065	ER16-6.5	16	6.5
H1016.1007	ER16-7.0	16	7.0
H1016.10075	ER16-7.5	16	7.5
H1016.1008	ER16-8.0	16	8.0

DIN 6499 B Collets ER / ER-高精密弹簧夹头



高复位性的超精密结构以及去毛刺纯化处理，保证了夹头在 5μ 以内的跳动，从而有效保护了刀柄内锥和跳动精度，同时还大大提高了夹持力和刚性

Order No. 货号	Size 规格	ER	直径
H1016.10085	ER16-8.5	16	8.5
H1016.1009	ER16-9.0	16	9.0
H1016.10095	ER16-9.5	16	9.5
H1016.1010	ER16-10.0	16	10.0
H1020.1001	ER20-1.0	20	1.0
H1020.10015	ER20-1.5	20	1.5
H1020.1002	ER20-2.0	20	2.0
H1020.10025	ER20-2.5	20	2.5
H1020.1003	ER20-3.0	20	3.0
H1020.10035	ER20-3.5	20	3.5
H1020.1004	ER20-4.0	20	4.0
H1020.1005	ER20-5.0	20	5.0
H1020.1006	ER20-6.0	20	6.0
H1020.1007	ER20-7.0	20	7.0
H1020.1008	ER20-8.0	20	8.0
H1020.1009	ER20-9.0	20	9.0
H1020.1010	ER20-10.0	20	10.0
H1020.1011	ER20-11.0	20	11.0
H1020.1012	ER20-12.0	20	12.0
H1020.1013	ER20-13.0	20	13.0
H1025.1001	ER25-1.0	25	1.0
H1025.10015	ER25-1.5	25	1.5
H1025.1002	ER25-2.0	25	2.0
H1025.10025	ER25-2.5	25	2.5
H1025.1003	ER25-3.0	25	3.0
H1025.1004	ER25-4.0	25	4.0
H1025.1005	ER25-5.0	25	5.0
H1025.1006	ER25-6.0	25	6.0

DIN 6499 B Collets ER / ER-高精密弹簧夹头



高复位性的超精密结构以及去毛刺纯化处理，保证了夹头在5μ以内的跳动，从而有效保护了刀柄内锥和跳动精度，同时还大大提高了夹持力和刚性

Order No. 货号	Size 规格	ER	直径
H1025.1007	ER25-7.0	25	7.0
H1025.1008	ER25-8.0	25	8.0
H1025.1009	ER25-9.0	25	9.0
H1025.1010	ER25-10.0	25	10.0
H1025.1011	ER25-11.0	25	11.0
H1025.1012	ER25-12.0	25	12.0
H1025.1013	ER25-13.0	25	13.0
H1025.1014	ER25-14.0	25	14.0
H1025.1015	ER25-15.0	25	15.0
H1025.1016	ER25-16.0	25	16.0
H1032.1002	ER32-2.0	32	2.0
H1032.10025	ER32-2.5	32	2.5
H1032.1003	ER32-3.0	32	3.0
H1032.1004	ER32-4.0	32	4.0
H1032.1005	ER32-5.0	32	5.0
H1032.1006	ER32-6.0	32	6.0
H1032.1007	ER32-7.0	32	7.0
H1032.1008	ER32-8.0	32	8.0
H1032.1009	ER32-9.0	32	9.0
H1032.1010	ER32-10.0	32	10.0
H1032.1011	ER32-11.0	32	11.0
H1032.1012	ER32-12.0	32	12.0
H1032.1013	ER32-13.0	32	13.0
H1032.1014	ER32-14.0	32	14.0
H1032.1015	ER32-15.0	32	15.0
H1032.1016	ER32-16.0	32	16.0
H1032.1017	ER32-17.0	32	17.0
H1032.1018	ER32-18.0	32	18.0

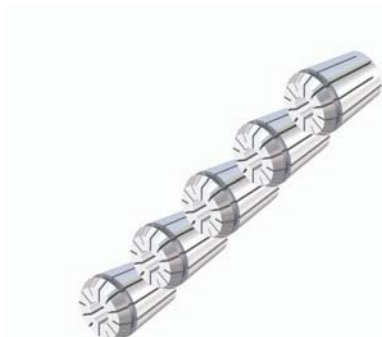
DIN 6499 B Collets ER / ER-高精密弹簧夹头



高复位性的超精密结构以及去毛刺纯化处理，保证了夹头在 5μ 以内的跳动，从而有效保护了刀柄内锥和跳动精度，同时还大大提高了夹持力和刚性

Order No. 货号	Size 规格	ER	直径
H1032.1019	ER32-19.0	32	19.0
H1032.1020	ER32-20.0	32	20.0
H1040.1003	ER40-3.0	40	3.0
H1040.1004	ER40-4.0	40	4.0
H1040.1005	ER40-5.0	40	5.0
H1040.1006	ER40-6.0	40	6.0
H1040.1007	ER40-7.0	40	7.0
H1040.1008	ER40-8.0	40	8.0
H1040.1009	ER40-9.0	40	9.0
H1040.1010	ER40-10.0	40	10.0
H1040.1011	ER40-11.0	40	11.0
H1040.1012	ER40-12.0	40	12.0
H1040.1013	ER40-13.0	40	13.0
H1040.1014	ER40-14.0	40	14.0
H1040.1015	ER40-15.0	40	15.0
H1040.1016	ER40-16.0	40	16.0
H1040.1017	ER40-17.0	40	17.0
H1040.1018	ER40-18.0	40	18.0
H1040.1019	ER40-19.0	40	19.0
H1040.1020	ER40-20.0	40	20.0
H1040.1021	ER40-21.0	40	21.0
H1040.1022	ER40-22.0	40	22.0
H1040.1023	ER40-23.0	40	23.0
H1040.1024	ER40-24.0	40	24.0
H1040.1025	ER40-25.0	40	25.0
H1040.1026	ER40-26.0	40	26.0

Collet Sets in Wooden Sockets / ER弹簧夹头套装



Order No. 货号	Size 规格	ER	Drm.	间距	数量
H1011.3013	ER11-S13	11	1.0-7.0	0.5	13
H1016.3010	ER11-S10	16	1.0-10.0	1	10
H1020.3012	ER11-S12	20	2.0-13.0	1	12
H1025.3015	ER11-S15	25	2.0-16.0	1	15
H1032.3018	ER11-S18	32	3.0-20.0	1	18
H1040.3023	ER11-S23	40	4.0-26.0	1	23

ER Clamping / ER-螺母



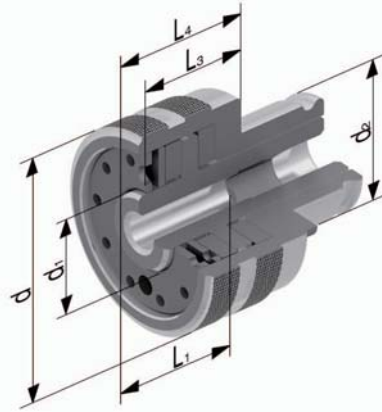
Order No. 货号	Size 规格	ER	SW
H2517.1011	N11	11	17
H2525.1016	N16	16	25
H2530.1020	N20	20	30
H2542.1025	N25	25	-
H2550.1032	N32	32	-
H2563.1040	N40	40	-

ER Clamping / ER-迷你螺母



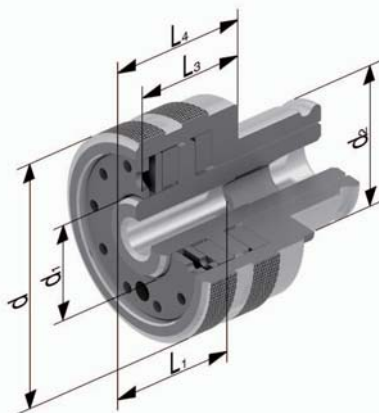
Order No. 货号	Size 规格	ER	SW
H2516.1411	NM11	11	16
H2522.1416	NM16	16	22
H2528.1420	NM20	20	28
H2535.1425	NM25	25	35

Tapping Collets With Clutch / 带保护装置快换攻丝夹头



Order No. 货号	Size 规格		DIN371		D	D1	D2	L1	L2	L3
H7219.2821	M2-2.8X2.1	Gr.1	M2	2.8x2.1	32	19	19	17	24	25
H7219.3527	M3-3.5X2.7	Gr.1	M3	3.5x2.7	32	19	19	17	24	25
H7219.4534	M4-4.5X3.4	Gr.1	M4	4.5x3.4	32	19	19	17	24	25
H7219.6049	M5-6X4.9	Gr.1	M5	6x4.9	32	19	19	17	24	25
H7219.6049	M6-6X4.9	Gr.1	M6	6x4.9	32	19	19	17	24	25
H7219.8062	M8-8X6.2	Gr.1	M8	8x6.2	32	19	19	17	24	25
H7219.1080	M10-10X8	Gr.1	M10	10x8	32	19	19	17	24	25
H7231.8062	M8-8X6.2	Gr.2	M8	8x6.2	50	30	31	30	31	34
H7231.1080	M10-10X8	Gr.2	M10	10x8	50	30	31	30	31	34
			DIN376							
H7219.2821	M4-2.8X2.1	Gr.1	M4	2.8x2.1	32	19	19	17	24	25
H7219.3528	M5-3.5X2.8	Gr.1	M5	3.5x2.7	32	19	19	17	24	25
H7219.4534	M6-4.5X3.4	Gr.1	M6	4.5x3.4	32	19	19	17	24	25
H7219.6049	M8-6X4.9	Gr.1	M8	6x4.9	32	19	19	17	24	25
H7219.7055	M10-7X5.5	Gr.1	M10	7x5.5	32	19	19	17	24	25
H7219.9070	M12-9X7	Gr.1	M12	9x7	32	19	19	17	24	25
H7231.6049	M8-6X4.9	Gr.2	M8	6x4.9	50	30	31	30	31	34
H7231.7055	M10-7X5.5	Gr.2	M10	7x5.5	50	30	31	30	31	34
H7231.9070	M12-9X7	Gr.2	M12	9x7	50	30	31	30	31	34
H7231.1190	M14-11X9	Gr.2	M14	11x9	50	30	31	30	31	34
H7231.1290	M16-12X9	Gr.2	M16	12x9	50	30	31	30	31	34
H7231.1411	M18-14X11	Gr.2	M18	14x11	50	30	31	30	31	34
H7231.1612	M20-16X12	Gr.2	M20	16x12	50	30	31	30	31	34
H7231.1814	M24-18X14.5	Gr.2	M24	18x14.5	50	30	31	30	31	34
H7248.1190	M14-11X9	Gr.3	M14	11x9	72	48	48	44	41	45
H7248.1290	M16-12X9	Gr.3	M16	12x9	72	48	48	44	41	45
H7248.1411	M18-14X11	Gr.3	M18	14x11	72	48	48	44	41	45
H7248.1612	M20-16X12	Gr.3	M20	16x12	72	48	48	44	41	45

Tapping Collets With Clutch / 带保护装置快换攻丝夹头



Order No. 货号	Size 规格		DIN376		D	D1	D2	L1	L2	L3
H7248.1814	M22-18X14.5	Gr.3	M22	18x14.5	72	48	48	44	41	45
H7248.1814	M24-18X14.5	Gr.3	M24	18x14.5	72	48	48	44	41	45
H7248.2016	M27-20X16	Gr.3	M27	20x16	72	48	48	44	41	45
H7248.2218	M30-22X18	Gr.3	M30	22x8	72	48	48	44	41	45
H7248.2520	M33-25X20	Gr.3	M33	25x20	72	48	48	44	41	45
H7260.1814	M22-18X14.5	Gr.4	M22	18x14.5	96	60	60	71	61	68
H7260.1814	M24-18X14.5	Gr.4	M24	18x14.5	96	60	60	71	61	68
H7260.2016	M27-20X16	Gr.4	M27	20x16	96	60	60	71	61	68
H7260.2218	M30-22X18	Gr.4	M30	22x18	96	60	60	71	61	68
H7260.2520	M33-25X20	Gr.4	M33	25x20	96	60	60	71	61	68
H7260.2822	M36-28X22	Gr.4	M36	28x22	96	60	60	71	61	68
H7260.3224	M42-32X24	Gr.4	M42	32x24	96	60	60	71	61	68
H7260.3629	M48-36X29	Gr.4	M48	36x29	96	60	60	71	61	68

Tapping Collets Without Clutch / 不带保护装置快换攻丝夹头



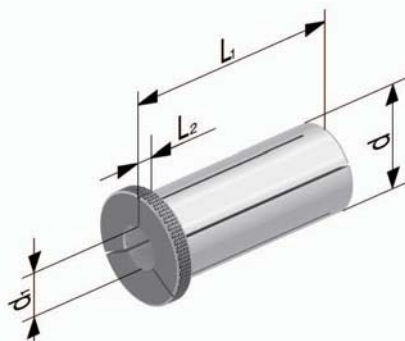
Order No. 货号	Size 规格		DIN371		D	D1	D2	L1	L5
H7119.2821	M2-2.8X2.1	Gr.1	M2	2.8x2.1	30	19	19	17	7
H7119.3527	M3-3.5X2.7	Gr.1	M3	3.5x2.7	30	19	19	17	7
H7119.4534	M4-4.5X3.4	Gr.1	M4	4.5x3.4	30	19	19	17	7
H7119.6049	M5-6X4.9	Gr.1	M5	6x4.9	30	19	19	17	7
H7119.6049	M6-6X4.9	Gr.1	M6	6x4.9	30	19	19	17	7
H7119.8062	M8-8X6.2	Gr.1	M8	8x6.2	30	19	19	17	7
H7119.1080	M10-10X8	Gr.1	M10	10x8	30	19	19	17	7
H7131.8062	M8-8X6.2	Gr.2	M8	8x6.2	48	30	31	30	11
H7131.1080	M10-10X8	Gr.2	M10	10x8	48	30	31	30	11
			DIN376						
H7119.2821	M4-2.8X2.1	Gr.1	M4	2.8x2.1	30	19	19	17	7
H7119.3527	M5-3.5X2.7	Gr.1	M5	3.5x2.7	30	19	19	17	7
H7119.4534	M6-4.5X3.4	Gr.1	M6	4.5x3.4	30	19	19	17	7
H7119.6049	M8-6X4.9	Gr.1	M8	6x4.9	30	19	19	17	7
H7119.7055	M10-7X5.5	Gr.1	M10	7x5.5	30	19	19	17	7
H7119.9070	M12-11X9	Gr.1	M12	9x7	30	19	19	17	7
H7119.1190	M14-11X9	Gr.1	M14	11x9	30	19	19	17	7
H7131.6049	M8-6X4.9	Gr.2	M8	6x4.9	48	30	31	30	11
H7131.7055	M10-7X5.5	Gr.2	M10	7x5.5	48	30	31	30	11
H7131.9070	M12-9X7	Gr.2	M12	9x7	48	30	31	30	11
H7131.1190	M14-11X9	Gr.2	M14	11x9	48	30	31	30	11
H7131.1290	M16-12X9	Gr.2	M16	12x9	48	30	31	30	11
H7131.1411	M18-14X11	Gr.2	M18	14x11	48	30	31	30	11
H7131.1612	M20-16X12	Gr.2	M20	16x12	48	30	31	30	11
H7148.1190	M14-11X9	Gr.3	M14	11x9	70	48	48	44	14
H7148.1290	M16-12X9	Gr.3	M16	12x9	70	48	48	44	14
H7148.1411	M18-14X11	Gr.3	M18	14x11	70	48	48	44	14
H7148.1612	M20-16X12	Gr.3	M20	16x12	70	48	48	44	14

Tapping Collets Without Clutch / 不带保护装置快换攻丝夹头



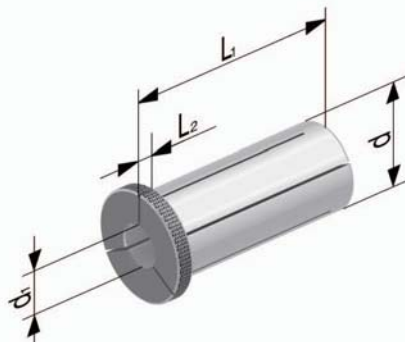
Order No. 货号	Size 规格		DIN376		D	D1	D2	L1	L5
H7148.1814	M22-18X14.5	Gr.3	M22	18x14.5	70	48	48	44	14
H7148.1814	M24-18X14.5	Gr.3	M24	18x14.5	70	48	48	44	14
H7148.2016	M27-20X16	Gr.3	M27	20x16	70	48	48	44	14
H7148.2218	M30-22X18	Gr.3	M30	22x18	70	48	48	44	14
H7148.2520	M33-25X20	Gr.3	M33	25x20	70	48	48	44	14
H7160.1814	M22-18X14.5	Gr.4	M22	18x14.5	96	60	60	71	42
H7160.1814	M24-18X14.5	Gr.4	M24	18x14.5	96	60	60	71	42
H7160.2016	M27-20X16	Gr.4	M27	20x16	96	60	60	71	42
H7160.2218	M30-22X18	Gr.4	M30	22x18	96	60	60	71	42
H7160.2520	M33-25X20	Gr.4	M33	25x20	96	60	60	71	42
H7160.2822	M36-28X22	Gr.4	M36	28x22	96	60	60	71	42
H7160.3224	M42-32X24	Gr.4	M42	32x24	96	60	60	71	42
H7160.3629	M48-36X29	Gr.4	M48	36x29	96	60	60	71	42

Reduction Sleeves With Waterproof Ring / 液压减径套(中心通水)



Order No. 货号	Size 规格	D	D1	L1	L2
H3012.4003	R12-HR03	12	3	44.5	2
H3012.4004	R12-HR04	12	4	44.5	2
H3012.4005	R12-HR05	12	5	44.5	2
H3012.4006	R12-HR06	12	6	44.5	2
H3012.4008	R12-HR08	12	8	44.5	2
H3020.4003	R20-HR03	20	3	50.9	2
H3020.4004	R20-HR04	20	4	50.9	2
H3020.4005	R20-HR05	20	5	50.9	2
H3020.4006	R20-HR06	20	6	50.9	2
H3020.4008	R20-HR08	20	8	50.9	2
H3020.4010	R20-HR10	20	10	50.9	2
H3020.4012	R20-HR12	20	12	50.9	2
H3020.4014	R20-HR14	20	14	50.9	2
H3020.4016	R20-HR16	20	16	50.9	2
H3022.4006	R22-HR06	22	6	50.9	2
H3022.4008	R22-HR08	22	8	50.9	2
H3022.4010	R22-HR10	22	10	50.9	2
H3022.4012	R22-HR12	22	12	50.9	2
H3022.4014	R22-HR14	22	14	50.9	2
H3022.4016	R22-HR16	22	16	50.9	2
H3022.4018	R22-HR18	22	18	50.9	2
H3025.4006	R25-HR06	25	6	60	4
H3025.4008	R25-HR08	25	8	60	4
H3025.4010	R25-HR10	25	10	60	4
H3025.4012	R25-HR12	25	12	60	4
H3025.4014	R25-HR14	25	14	60	4
H3025.4016	R25-HR16	25	16	60	4
H3025.4018	R25-HR18	25	18	60	4

Reduction Sleeves With Waterproof Ring / 液压减径套(中心通水)



Order No. 货号	Size 规格	D	D1	L1	L2
H3025.4020	R25-HR20	25	20	60	4
H3032.4006	R32-HR06	32	6	62	4
H3032.4008	R32-HR08	32	8	62	4
H3032.4010	R32-HR10	32	10	62	4
H3032.4012	R32-HR12	32	12	62	4
H3032.4014	R32-HR14	32	14	62	4
H3032.4016	R32-HR16	32	16	62	4
H3032.4018	R32-HR18	32	18	62	4
H3032.4020	R32-HR20	32	20	62	4
H3032.4025	R32-HR25	32	25	62	4