



MAS 403 BT

DIN 69871

DIN 69893 (HSK)

Accessory

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TOOL HOLDER MAS 403 BT



TOOL HOLDER / 刀柄 MAS 403 BT

Tool Holder / 刀柄 JIS B6339 / MAS 403 BT

MAS 403 BT

动平衡等级

G6.3 12,000min⁻¹

G6.3 12,000 min⁻¹

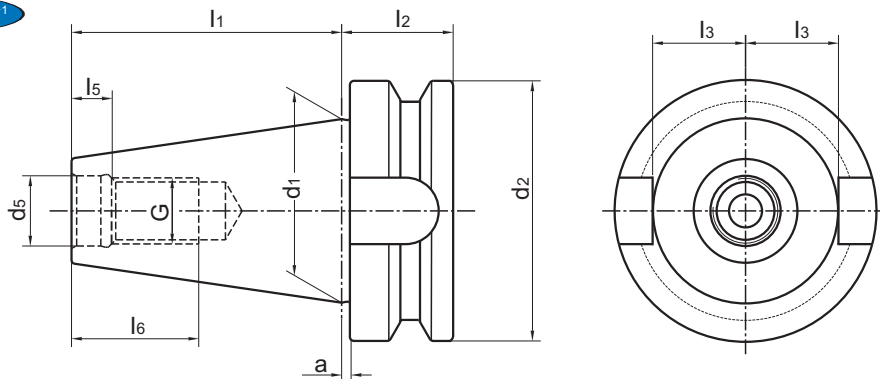
Pre-balanced

G2.5 25,000 min⁻¹

精细动平衡(可特制)

G2.5 Fine balancing

at extra charge



BT	d ₁	G	d ₅	d ₂	a	l ₁	l ₂	l ₃	l ₅	l ₆	e	d ₆
30	31.75	M12	12.5	46	2	48.4	22	16.3	7	24	—	—
40	44.45	M16	17	63	2	65.4	27	22.5	8.2	32	27	M4
50	69.85	M24	25	100	3	101.8	38	35.3	11	47	42	M6

材质：优质渗碳合金钢,中心抗拉强度最小1000N/mm²。

表面硬度HRC 60±2(HV 700±50), 硬化深度0.8mm±0.2mm,
发黑处理和精细研磨。

精度：根据DIN 7187和DIN 2080, 锥角公差等级为AT3。

Material: Alloyed case hardened steel, tensile strength in the core of the min.1000N/mm²
Case hardened HRC 60±2(HV 700±50),hardening depth 0.8mm±0.2mm,
black-finished and precisely grinded.

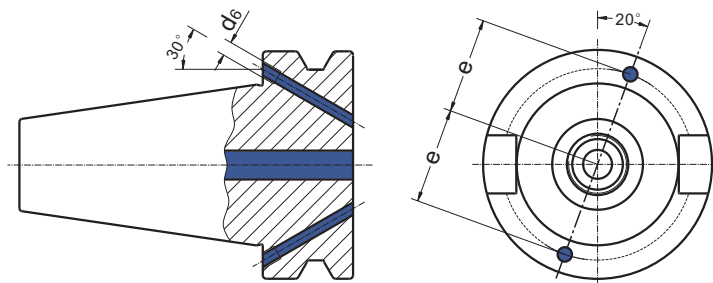
Accuracy: Cone angle-tolerance exactness<AT3 according to DIN 7187 and DIN 2080
Max. run out inaccuracy <0.003mm

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



ER弹簧夹头刀柄 ————— 1.04



OZ弹簧夹头刀柄 ————— 1.06



HPS高精密弹簧夹头刀柄 ————— 1.07



强力铣刀柄 ————— 1.08



侧固式铣刀柄 ————— 1.09



带扁尾莫氏刀柄 ————— 1.11



带螺纹孔莫氏刀柄 ————— 1.12



面铣刀柄 ————— 1.13



自紧式钻夹头刀柄 ————— 1.15



弹性快换攻丝刀柄 ————— 1.16



钢性攻丝刀柄 ————— 1.17



转换刀柄 ————— 1.18



TOOL HOLDER / 刀柄 MAS 403 BT

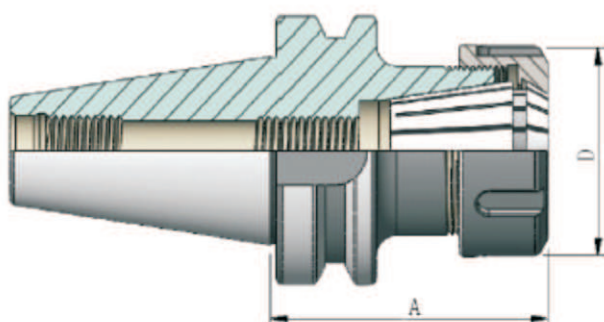


液压刀柄 1.19



热缩刀柄 1.22

Collet Chuck ER / BT -ER 弹簧夹头刀柄



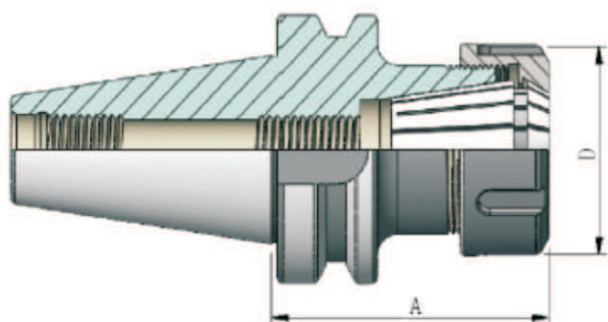
G6.3 12,000min⁻¹

≤ 0.003

BT-ER弹簧夹头刀柄

Order No. 货号	Size 规格	Capacity 夹持范围	D 螺帽外径	Cooling 冷却方式	A 有效长度
31.1016.70	BT30-ER16-70	1-10	32	AD	70
31.1020.70	BT30-ER20-70	1-13	35	AD	70
31.1025.70	BT30-ER25-70	2-16	42	AD	70
31.1032.70	BT30-ER32-70	2-20	50	AD	70
31.1040.70	BT30-ER40-80	3-26	63	AD	80
41.1016.70	BT40-ER16-70	1-10	32	AD	70
41.1016.100	BT40-ER16-100	1-10	32	AD	100
41.1020.70	BT40-ER20-70	1-13	35	AD	70
41.1020.100	BT40-ER20-100	1-13	35	AD	100
41.1020.160	BT40-ER20-160	1-13	35	AD	160
41.1025.60	BT40-ER25-60	2-16	42	AD	60
41.1025.70	BT40-ER25-70	2-16	42	AD	70
41.1025.100	BT40-ER25-100	2-16	42	AD	100
41.1025.160	BT40-ER25-160	2-16	42	AD	160
41.1032.70	BT40-ER32-70	2-20	50	AD	70
41.1032.100	BT40-ER32-100	2-20	50	AD	100
41.1032.160	BT40-ER32-160	2-20	50	AD	160
41.1040.80	BT40-ER40-80	3-26	63	AD	80
41.1040.100	BT40-ER40-100	3-26	63	AD	100
41.1040.160	BT40-ER40-160	3-26	63	AD	160

Collet Chuck ER / BT-ER弹簧夹头刀柄



G6.3 12,000min⁻¹

≤ 0.003

BT-ER弹簧夹头刀柄

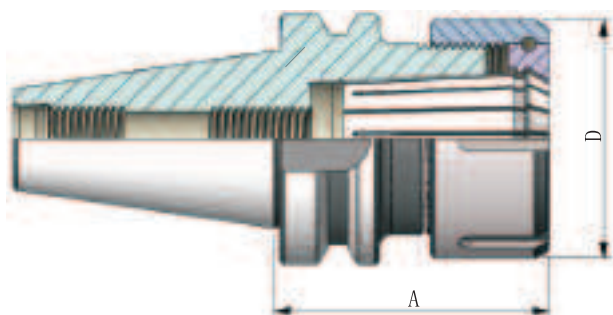
Order No. 货号	Size 规格	Capacity 夹持范围	D 螺帽外径	Cooling 冷却方式	A 有效长度
51.1016.100	BT50-ER16-100	1-10	32	AD	100
51.1016.160	BT50-ER16-160	1-10	32	AD	160
51.1020.70	BT50-ER20-70	1-13	35	AD	70
51.1020.100	BT50-ER20-100	1-13	35	AD	100
51.1020.150	BT50-ER20-150	1-13	35	AD	150
51.1020.165	BT50-ER20-165	1-13	35	AD	165
51.1025.60	BT50-ER25-70	2-16	42	AD	60
51.1025.100	BT50-ER25-100	2-16	42	AD	100
51.1025.160	BT50-ER25-160	2-16	42	AD	160
51.1032.70	BT50-ER32-70	2-20	50	AD	70
51.1032.100	BT50-ER32-100	2-20	50	AD	100
51.1032.160	BT50-ER32-160	2-20	50	AD	160
51.1040.80	BT50-ER40-80	3-26	63	AD	80
51.1040.100	BT50-ER40-100	3-26	63	AD	100
51.1040.160	BT50-ER40-160	3-26	63	AD	160
51.1040.200	BT50-ER40-200	3-26	63	AD	200

应用范围: 配DIN6499弹簧夹头可夹持各种尺寸圆柱柄刀具
 交货内容: 标准螺帽
 相关配件: ER弹簧夹头、扳手、拉钉

Use: For clamping tools with cylindrical shank in
 collets of DIN 6499
 Delivery range: Locknut
 Accessories: Ercollects、wrench、rivet



Collet Chuck OZ / BT- OZ 弹簧夹头刀柄



G6.3 12,000min⁻¹

≤ 0.003

BT-OZ弹簧夹头刀柄

Order No. 货号	Size 规格	Capacity 夹持范围	D 螺帽外径	Cooling 冷却方式	A 有效长度	
31.1116.60	BT30-OZ16-60	2-16	43	AD	60	
31.1125.80	BT30-OZ25-80	2-25	60	AD	80	
41.1116.70	BT40-OZ16-70	2-16	43	AD	70	
41.1125.80	BT40-OZ25-80	2-25	60	AD	80	
41.1132.80	BT40-OZ32-80	3-32	72	AD	80	
51.1125.90	BT50-OZ25-90	2-25	60	AD	90	
51.1132.105	BT50-OZ32-105	3-32	72	AD	105	

应用范围: 配DIN6388 OZ弹簧夹头可夹持各种尺寸圆柱柄刀具,用于中心及法兰通水高精密加工

交货内容: OZ螺帽(经动平衡处理)

相关配件: OZ弹簧夹头、扳手、拉钉

Use: For clamping tools with cylindrical shank in collets of DIN6388

Delivery range: Ball bearing locknut (balanced)

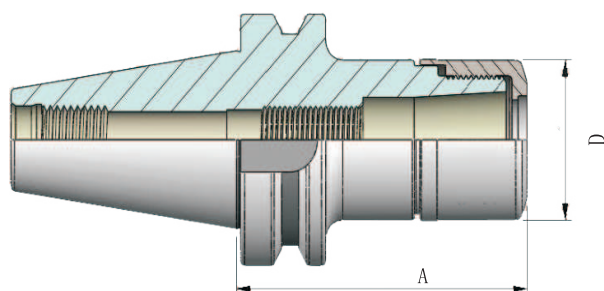
Accessories: OZcollets、wrench、rivet





TOOL HOLDER / 刀柄 MAS 403 BT

Collet Chucks HPS / BT-HPS 高精密弹簧夹头刀柄



G2.5 30,000min⁻¹

≤ 0.003

BT-HPS弹簧夹头刀柄

Order No. 货号	Size 规格	Capacity 夹持范围	D	Cooling 冷却方式	A 有效长度	
31.1210.60	BT30-PS10-60	3-10	27.5	AD	60	
31.1210.90	BT30-PS10-90	3-10	27.5	AD	90	
31.1216.60	BT30-PS16-60	4-16	40	AD	60	
31.1216.90	BT30-PS16-90	4-16	40	AD	90	
41.1210.60	BT40-PS10-60	3-10	27.5	AD	60	
41.1210.90	BT40-PS10-90	3-10	27.5	AD	90	
41.1210.120	BT40-PS10-120	3-10	27.5	AD	120	
41.1216.60	BT40-PS16-60	4-16	40	AD	60	
41.1216.90	BT40-PS16-90	4-16	40	AD	90	
51.1210.105	BT50-PS10-105	3-10	27.5	AD	105	
51.1210.135	BT50-PS10-135	3-10	27.5	AD	135	
51.1216.105	BT50-PS16-105	4-16	40	AD	105	

应用范围: 配HPS高精密弹簧夹头可夹持各种尺寸
圆柱柄刀具用于高速及高精密加工

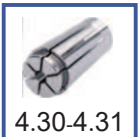
交货内容: 标准螺帽 (经动平衡处理)

相关配件: HPS弹簧夹头、HPS扳手、拉钉

Use: For mounting straight-shank tools in collets,
To use for high speed cutting and high
precision milling

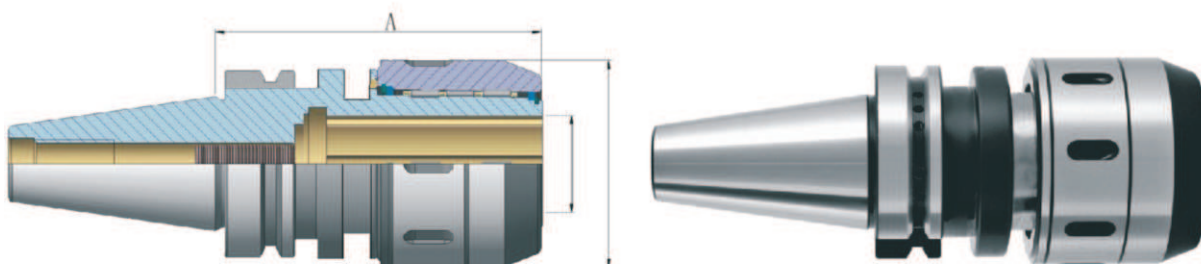
Delivery range: Locknut (balanced)

Accessories: HPScollets、HPS collect、
wrench、rivet



MAS 403 BT

Precision Milling Chuck / BT- 强力铣刀柄



G6.3 12,000min⁻¹

3xd ↗ ≤ 0.01

BT-强力铣刀柄

Order No. 货号	Size 规格	d 夹持直径	D 外径	Cooling 冷却方式	A 有效长度	
41.1320.90	BT40-C20-90	20	53	A	90	
41.1325.105	BT40-C25-105	25	63	A	105	
41.1332.105	BT40-C32-105	32	70	A	105	
41.1332.135	BT40-C32-135	32	70	A	135	
51.1320.105	BT50-C20-105	20	53	A	105	
51.1332.115	BT50-C32-115	32	70	A	115	
51.1332.150	BT50-C32-150	32	70	A	150	
51.1342.120	BT50-C42-120	42	90	A	120	
51.1342.150	BT50-C42-150	42	90	A	150	

应用范围: 配直筒型弹簧夹头可夹持各种尺寸圆柱柄刀具

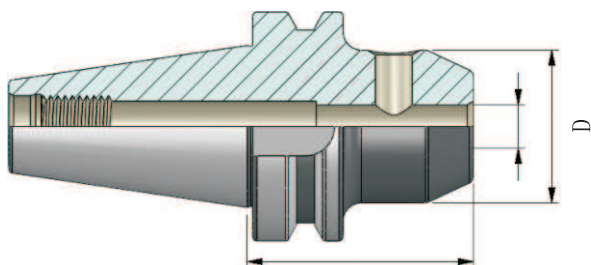
相关配件: 直筒型精密弹簧夹头、拉钉、扳手

Use: For mounting straight-shank tools in collets

Accessories: precision straight collects、rivet, and wrench



Weldon Toolholder / BT-侧固式铣刀柄



G6.3 12,000min⁻¹

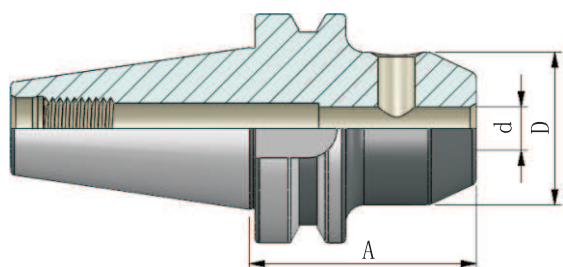
≤ 0.003

DIN 1835-B

BT-侧固式铣刀柄

Order No. 货号	Size 规格	d 夹持直径	D 外径	Cooling 冷却方式	A 有效长度	
31.2006.50	BT30-SL6-50	6	25	AD	50	
31.2008.60	BT30-SL8-60	8	28	AD	60	
31.2010.60	BT30-SL10-60	10	35	AD	60	
31.2012.60	BT30-SL12-60	12	42	AD	60	
31.2014.60	BT30-SL14-60	14	44	AD	60	
31.2016.75	BT30-SL16-75	16	48	AD	75	
31.2018.75	BT30-SL18-75	18	50	AD	75	
31.2020.75	BT30-SL20-75	20	52	AD	75	
31.2020.90	BT30-SL25-90	25	65	AD	90	
41.2006.50	BT40-SL6-50	6	25	AD	50	
41.2006.60	BT40-SL6-60	6	25	AD	60	
41.2008.50	BT40-SL8-50	8	28	AD	50	
41.2010.63	BT40-SL10-63	10	35	AD	63	
41.2012.63	BT40-SL12-63	12	42	AD	63	
41.2014.63	BT40-SL14-63	14	44	AD	63	
41.2016.63	BT40-SL16-63	16	48	AD	63	
41.2016.70	BT40-SL16-70	16	48	AD	70	
41.2018.63	BT40-SL18-63	16	50	AD	63	
41.2020.63	BT40-SL20-63	18	52	AD	63	
41.2020.70	BT40-SL20-70	20	52	AD	70	
41.2025.90	BT40-SL25-90	25	65	AD	90	

Weldon Toolholder/ BT-侧固式铣刀柄



G6.3 12,000min⁻¹

≤ 0.003

DIN 1835 B

BT-侧固式铣刀柄

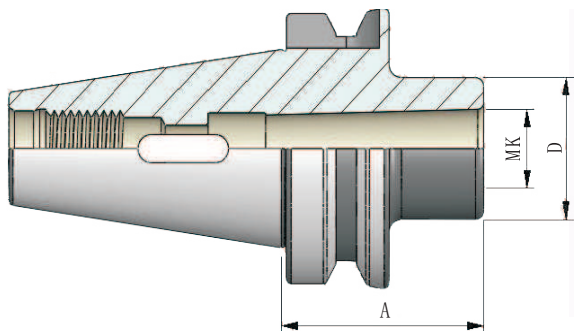
Order No. 货号	Size 规格	d 夹持直径	D 外径	Cooling 冷却方式	A 有效长度	
41.2025.100	BT40-SL25-100	25	65	AD	100	
41.2032.110	BT40-SL32-110	32	72	AD	110	
41.2040.120	BT40-SL40-120	40	90	AD	120	
41.2040.140	BT40-SL40-140	40	90	AD	140	
51.2006.63	BT50-SL6-63	6	25	AD	63	
51.2008.63	BT50-SL8-63	8	28	AD	63	
51.2010.63	BT50-SL10-63	10	35	AD	63	
51.2012.80	BT50-SL12-80	12	42	AD	80	
51.2016.80	BT50-SL16-80	16	48	AD	80	
51.2020.80	BT50-SL20-80	20	52	AD	80	
51.2025.100	BT50-SL25-100	25	65	AD	100	
51.2025.150	BT50-SL25-150	25	65	AD	150	
51.2032.105	BT50-SL32-105	32	72	AD	105	
51.2040.115	BT50-SL40-115	40	90	AD	115	
51.2050.150	BT50-SL50-150	50	100	AD	150	

应用范围: 适用于夹持DIN1835-B具有侧固平面的刀具
夹持直径d ≥ 25, 由两支螺栓固定刀具
相关配件: 拉钉

Use: For clamping cutters with cylindrical shank and inclined flat of DIN1835-B
For d ≥ 25 two clamping screws
Accessories: rivet



Morse Taper ToolHolder / BT- 带扁尾莫氏刀柄



G6.3 12,000min⁻¹

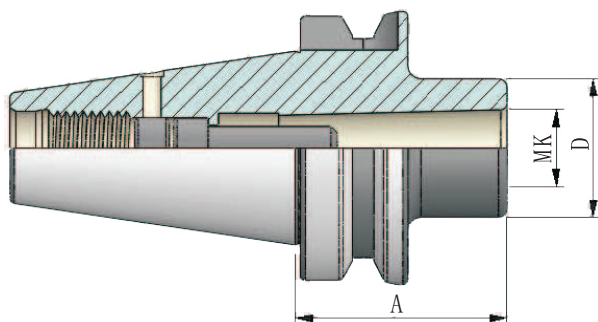
≤ 0.005

DIN 6383

BT-带扁尾莫氏刀柄

Order No. 货号	Size 规格	MK 莫氏锥度	D 外径	Cooling 冷却方式	A 有效长度	
31.3001.45	BT30-MTA1-45	MK1	25	AD	45	
31.3002.60	BT30-MTA2-60	MK2	32	AD	60	
31.3003.80	BT30-MTA3-80	MK3	40	AD	80	
41.3001.45	BT40-MTA1-45	MK1	25	AD	45	
41.3002.50	BT40-MTA2-50	MK2	32	AD	50	
41.3003.70	BT40-MTA3-70	MK3	40	AD	70	
41.3004.95	BT40-MTA4-95	MK4	48	AD	95	
41.3004.135	BT40-MTA4-135	MK4	48	AD	135	
51.3001.45	BT50-MTA1-45	MK1	25	AD	45	
51.3002.50	BT50-MTA2-50	MK2	32	AD	60	
51.3002.60	BT50-MTA2-60	MK2	32	AD	60	
51.3002.120	BT50-MTA2-120	MK2	32	AD	120	
51.3003.65	BT50-MTA3-65	MK3	40	AD	65	
51.3003.75	BT50-MTA3-75	MK3	40	AD	75	
51.3003.120	BT50-MTA3-120	MK3	40	AD	120	
51.3003.150	BT50-MTA3-150	MK3	40	AD	150	
51.3004.95	BT50-MTA4-95	MK4	48	AD	95	
51.3005.105	BT50-MTA5-105	MK5	63	AD	105	

MorseTaper With Drawbar Thread Toolholder / BT-带螺纹孔莫氏刀柄



G6.3 12,000min⁻¹

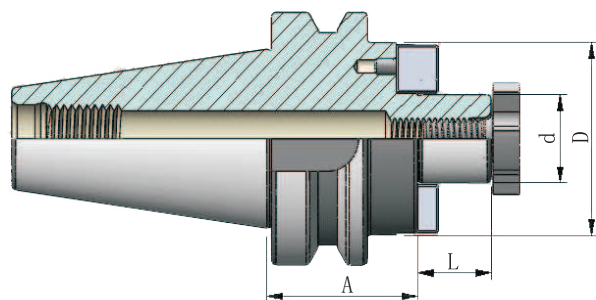
≤ 0.005

DIN 6364

BT-带螺孔莫氏刀柄

Order No. 货号	Size 规格	MK 莫氏锥度	D 外径	Cooling 冷却方式	A 有效长度
41.3101.45	BT40-MTB1-45	MK1	25	A	45 
41.3102.60	BT40-MTB2-50	MK2	32	A	60 
41.3103.75	BT40-MTB3-75	MK3	40	A	75 
41.3103.90	BT40-MTB3-90	MK3	40	A	90 
41.3104.100	BT40-MTB4-100	MK4	48	A	100 
51.3101.45	BT50-MTB1-45	MK1	25	A	45 
51.3102.60	BT50-MTB2-60	MK2	32	A	60 
51.3103.60	BT50-MTB3-60	MK3	40	A	60 
51.3103.75	BT50-MTB3-75	MK3	40	A	75 
51.3104.100	BT50-MTB4-100	MK4	48	A	100 
51.3105.120	BT50-MTB5-120	MK5	63	A	120 

Shell Mill Toolholder / BT- 面铣刀柄



G6.3 8,000min⁻¹

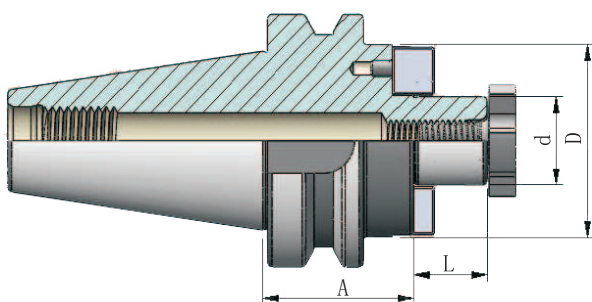
≤ 0.005

DIN 6357

BT-面铣刀柄

Order No. 货号	Size 规格	d 心轴直径	D 端面直径	Cooling 冷却方式	A 有效长度
31.4116.40	BT30-FMB16-40	16	38	AD	40
31.4122.40	BT30-FMB22-40	22	48	AD	40
31.4122.60	BT30-FMB22-60	22	40	AD	60
31.4127.45	BT30-FMB27-45	27	60	AD	45
31.4127.60	BT30-FMB27-60	27	48	AD	60
31.4132.60	BT30-FMB32-60	32	58	AD	60
41.4116.45	BT40-FMB16-45	16	32	AD	45
41.4122.55	BT40-FMB22-55	22	48	AD	55
41.4122.60	BT40-FMB22-60	22	40	AD	60
41.4127.40	BT40-FMB27-55	27	58	A	40
41.4132.50	BT40-FMB32-60	32	58	A	50
41.4140.50	BT40-FMB40-60	40	70	A	50
41.4116.100	BT40-FMB16-100	16	40	A	100
41.4122.100	BT40-FMB22-100	22	40	A	100
41.4127.100	BT40-FMB27-100	27	60	A	100
41.4132.100	BT40-FMB32-100	32	78	A	100
41.4140.100	BT40-FMB40-100	40	88	A	100
41.4122.150	BT40-FMB22-150	22	48	AD	150
41.4122.200	BT40-FMB22-200	22	48	AD	200
41.4127.150	BT40-FMB27-150	27	60	AD	150

Shell Mill Toolholder / BT- 面铣刀柄



G6.3 8000min⁻¹

≤ 0.005

DIN 6357

BT-面铣刀柄

Order No. 货号	Size 规格	d 心轴直径	D 端面直径	L 心轴长度	Cooling 冷却方式	A 有效长度
51.4122.75	BT50-FMB22-75	22	40	19	A	75
51.4122.100	BT50-FMB22-100	22	40	19	A	100
51.4122.120	BT50-FMB22-120	22	40	19	A	120
51.4127.60	BT50-FMB27-60	27	48	21	A	60
51.4127.105	BT50-FMB27-105	27	48	21	A	105
51.4132.60	BT50-FMB32-60	32	58	19	A	60
51.4132.105	BT50-FMB32-105	32	58	24	A	105
51.4140.60	BT50-FMB40-60	40	70	27	A	60
51.4140.75	BT50-FMB40-75	40	70	27	A	75
51.4150.70	BT50-FMB50-70	50	90	40	A	70

应用范围: 用于夹持带径向驱动槽的铣刀
相关配件: 压紧螺栓、扳手、拉钉

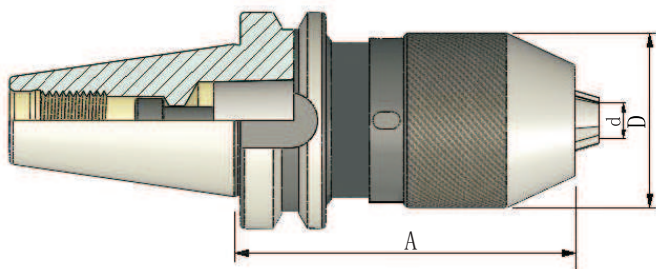
Use: For holding like shell mill cutters
Accessories: rivet、wrench、stretching screw
clutch drive rings





TOOL HOLDER / 刀柄 MAS 403 BT

One Set Drill Chuck / BT- 自紧式钻夹头刀柄



G6.3 8,000min⁻¹

BT-自紧式钻夹头刀柄

Order No. 货号	Size 规格	d 夹持直径	D	A 有效长度
31.5208.80	BT30-APU8-80	0.5-8	36	85
31.5213.100	BT30-APU13-100	1.0-13	50	100
31.5216.110	BT30-APU16-110	3.0-16	57	110
41.5208.85	BT40-APU8-85	0.5-8	36	85
41.5213.100	BT40-APU13-100	1.0-13	50	100
41.5216.105	BT40-APU16-105	3.0-16	57	105
51.5208.90	BT50-APU8-90	0-8	36	85
51.5213.100	BT50-APU13-100	1.0-13	50	100
51.5216.110	BT50-APU16-110	3.0-16	57	110

应用范围: 夹持直径为0.5-16mm的钻头
相关配件: 拉钉、扳手

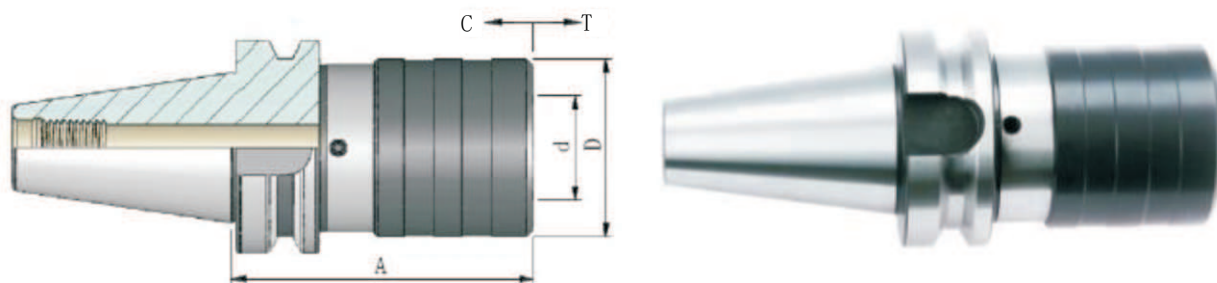
Use: For clamping tools with cylindrical shank, for left and right hand turn, clamping and loosening with a hexagon socket wrench.

Accessories: rivet



MAS 403 BT

Quick Change Tapping Chucks with Length Compensation BT - 弹性快换攻丝刀柄



BT-弹性快换攻丝刀柄

Order No. 货号	Size 规格	d	D	A 有效长度
31.6016.80	BT30-M2/M16-80-Gr.1	19	43	80
41.6016.85	BT40-M2/M16-85-Gr.1	19	43	85
41.6030.122	BT40-M6/M30-122-Gr.2	31	61	122
51.6016.95	BT50-M2/M16-95-Gr.1	19	43	95
51.6030.132	BT50-M6/M30-132-Gr.2	31	61	132
51.6048.150	BT50-M24/M48-150-Gr.3	48	82	150

应用范围: 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)。
相关配件: 快换夹头、拉钉

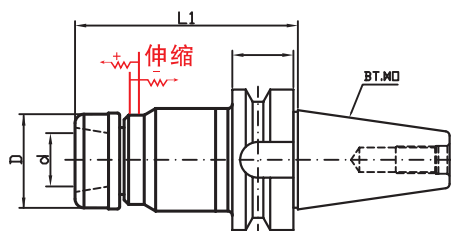
Use: For tapping preferably. Axial length compensation on tension and pressure.
Accessories: Quick change chuck、rivet





TOOL HOLDER / 刀柄 MAS 403 BT

Rigid Tension And Compression Taper Holder BT50 / BT- ER 钢性攻丝刀柄



BT- ER 弹性攻丝刀柄

Order No. 货号	Size 规格	Range 攻丝范围	D	L1
31.6216.113	BT30-WER16-113	M2-M12	28	113
31.6220.115	BT30-WER20-115	M2-M16	34	115
31.6225.120	BT30-WER25-120	M2-M22	42	120
31.6232.125	BT30-WER32-125	M2-M30	50	125
31.6240.155	BT30-WER40-155	M2-M36	63	155
41.6216.108	BT40-WER16-108	M2-M12	28	108
41.6220.110	BT40-WER20-110	M2-M16	34	110
41.6225.112	BT40-WER25-112	M2-M22	42	112
41.6232.115	BT40-WER32-115	M2-M30	50	115
41.6240.145	BT40-WER40-145	M2-M36	63	145
51.6216.117	BT50-WER16-117	M2-M12	28	117
51.6220.119	BT50-WER20-119	M2-M16	34	119
51.6225.120	BT50-WER25-120	M2-M22	42	120
51.6232.120	BT50-WER32-120	M2-M30	50	120
51.6232.220	BT50-WER32-220	M2-M30	50	220
51.6240.142	BT50-WER40-142	M2-M36	63	145

应用范围:用于螺纹加工, 根据丝锥的柄径及方头尺寸, 选择相应的刀柄及ER攻丝夹头
相关配件: ER 弹簧攻丝夹头, 拉钉, 扳手

Accessories: ERcollects



4.46-4.48

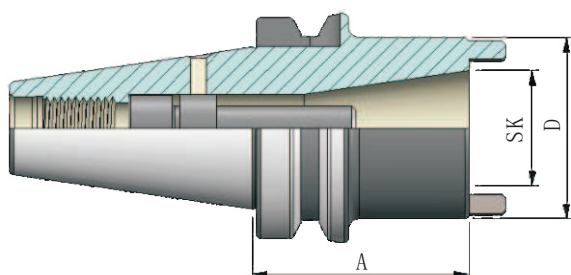


4.34



4.40

Adaptor Sleeves / BT- 转换刀柄



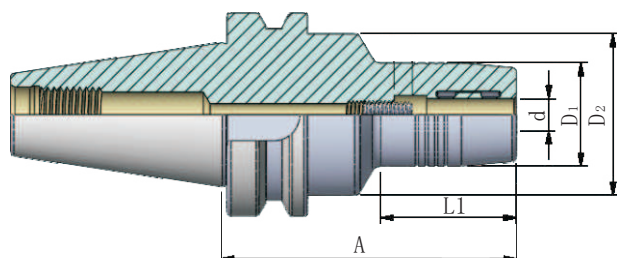
BT- 转换刀柄

Order No. 货号	Size 规格	SK	D	Cooling 冷却方式	A 有效长度	
41.9030.75	BT40-30-75	ISO30	50	A	75	
41.9040.100	BT40-40-100	ISO40	63	A	100	
51.9030.50	BT50-30-50	ISO30	50	A	50	
51.9040.70	BT50-40-70	ISO40	70	A	70	
51.9050.120	BT50-50-120	ISO50	97	A	120	

应用范围: 用于将MAS 403 BT刀柄接口转换成DIN2080或
DIN69871

Use: Transfer from MAS 403 BT to DIN2080 or DIN69871

BT Hydraulic Expansion Chucks / BT - 液压刀柄



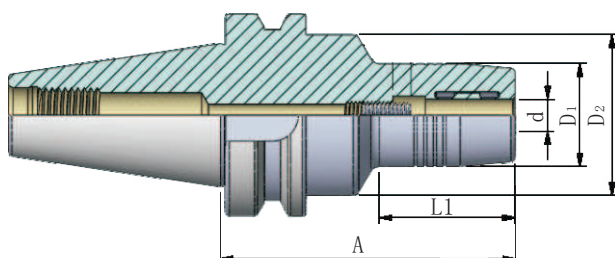
G2.5 25,000min⁻¹

4xd ≤ 0.003

BT-液压刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L ₁	Cooling 冷却方式	A 有效长度	
31.7003.60	BT30-HC3-60	3	25	46	19	AD	60	
31.7004.65	BT30-HC4-65	4	26	46	24	AD	65	
31.7006.75	BT30-HC6-75	6	30	46	26	AD	75	
31.7008.75	BT30-HC8-75	8	32	46	24	AD	75	
31.7010.75	BT30-HC10-75	10	32	45	24	AD	75	
31.7012.75	BT30-HC12-75	12	34	45	25	AD	75	
31.7014.90	BT30-HC14-90	14	38	46	40	AD	90	
31.7016.90	BT30-HC16-90	16	40	46	33	AD	90	
31.7016.120	BT30-HC16-120	16	40	46	33	AD	120	
31.7018.90	BT30-HC18-90	18	42	46	35	AD	90	
31.7020.90	BT30-HC20-90	20	40	46	33	AD	90	
31.7020.120	BT30-HC20-120	20	40	46	33	AD	120	
31.7025.105	BT30-HC25-105	25	55	63	46	AD	105	
31.7032.105	BT30-HC32-105	32	60	74	47	AD	105	
41.7004.75	BT40-HC4-75	4	26	46	24	AD	75	
41.7006.75	BT40-HC6-75	6	28	46	30	AD	75	
41.7006.90	BT40-HC6-90	6	28	46	30	AD	90	
41.7006.120	BT40-HC6-120	6	28	46	30	AD	120	
41.7008.75	BT40-HC8-75	8	30	48	30	AD	75	
41.7008.90	BT40-HC8-90	8	30	48	30	AD	90	

BT Hydraulic Expansion Chucks / BT - 液压刀柄



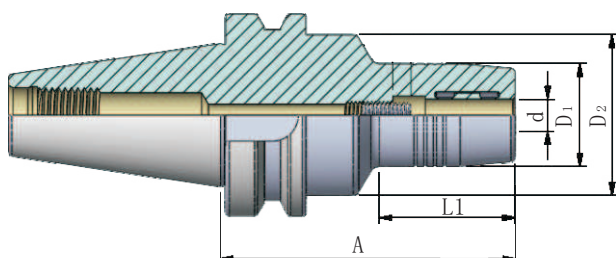
G2.5 25,000min⁻¹

4xd ≤ 0.003

BT-液压刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L ₁	Cooling 冷却方式	A 有效长度	
41.7008.120	BT40-HC8-120	8	30	48	30	AD	120	
41.7010.75	BT40-HC10-75	10	36	52	26	AD	75	
41.7010.90	BT40-HC10-90	10	36	52	40	AD	90	
41.7010.120	BT40-HC10-120	10	36	52	40	AD	120	
41.7012.75	BT40-HC12-75	12	38	54	26	AD	75	
41.7012.90	BT40-HC12-90	12	38	54	40	AD	90	
41.7012.120	BT40-HC12-120	12	38	54	40	AD	120	
41.7014.75	BT40-HC14-75	14	40	56	28	AD	75	
41.7014.90	BT40-HC14-90	14	40	56	40	AD	90	
41.7016.75	BT40-HC16-75	16	42	58	26	AD	75	
41.7016.90	BT40-HC16-90	16	42	58	40	AD	90	
41.7016.120	BT40-HC16-120	16	42	58	40	AD	120	
41.7018.75	BT40-HC18-75	18	44	59	25	AD	75	
41.7018.90	BT40-HC18-90	18	44	59	40	AD	90	
41.7020.75	BT40-HC20-75	20	46	59	46	AD	75	
41.7020.90	BT40-HC20-90	20	46	60	46	AD	90	
41.7020.120	BT40-HC20-120	20	46	60	40	AD	120	
41.7020.150	BT40-HC20-150	20	43	60	47	AD	150	
41.7025.105	BT40-HC25-105	25	52	62	55	AD	105	
41.7032.105	BT40-HC32-105	32	62	72	44	AD	105	

BT Hydraulic Expansion Chucks / BT- 液压刀柄



G2.5 25,000min⁻¹

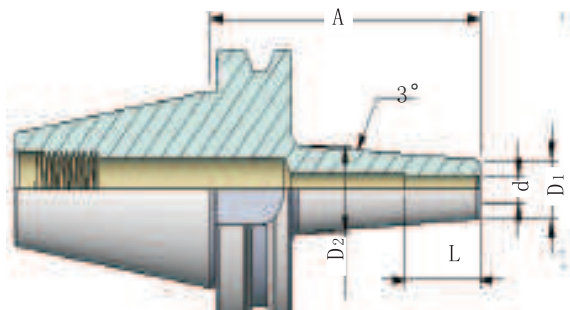
4xd ≤ 0.003

BT-液压刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L ₁	Cooling 冷却方式	A 有效长度	
51.7006.105	BT50-HC6-105	6	28	46	25	AD	105	
51.7006.150	BT50-HC6-150	6	28	46	25	AD	150	
51.7008.105	BT50-HC8-105	8	30	48	25	AD	105	
51.7008.150	BT50-HC8-150	8	30	48	25	AD	150	
51.7010.105	BT50-HC10-105	10	36	52	26	AD	105	
51.7010.150	BT50-HC10-150	10	36	52	25	AD	150	
51.7012.105	BT50-HC12-105	12	38	54	26	AD	105	
51.7014.105	BT50-HC14-105	14	40	56	25	AD	105	
51.7016.105	BT50-HC16-105	16	42	58	26	AD	105	
51.7016.150	BT50-HC16-150	16	42	58	25	AD	150	
51.7018.105	BT50-HC18-105	18	44	59	26	AD	105	
51.7020.105	BT50-HC20-105	20	46	60	26	AD	105	
51.7020.150	BT50-HC20-150	20	46	60	26	AD	150	
51.7025.120	BT50-HC25-120	25	52	62	56	AD	120	
51.7032.120	BT50-HC32-120	32	62	72	43	AD	120	
51.7032.200	BT50-HC32-200	32	62	72	42.5	AD	200	



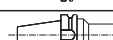
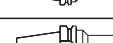
Schrik with 3° / BT 3° 热缩刀柄



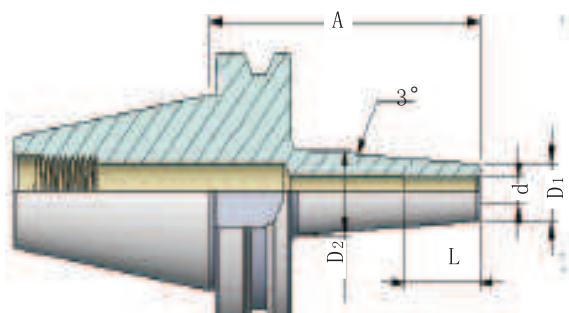
G2.5 25,000min⁻¹

4xd ≤ 0.003

BT- 3° 热缩刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L	Cooling 冷却方式	A 有效长度	
31.8103.80	BT30-SF3-80	3	9	14.8	9	AD	80	
31.8104.80	BT30-SF4-80	4	10	15.8	12	AD		
31.8105.80	BT30-SF5-80	5	11	16.8	15	AD		
31.8106.80	BT30-SF6-80	6	12	17.8	25	AD		
31.8108.80	BT30-SF8-80	8	14	19.8		AD	120	
31.8108.120	BT30-SF8-120				AD			
31.8110.80	BT30-SF10-80	10	16	21.8	32	AD	80	
31.8110.120	BT30-SF10-120					AD	120	
31.8112.80	BT30-SF12-80	12	18	23.8	38	AD	80	
31.8112.120	BT30-SF12-120					AD	120	
31.8114.80	BT30-SF14-80	14	20	25.8	40	AD	80	
31.8114.120	BT30-SF14-120					AD	120	
31.8116.90	BT30-SF16-90	16	22	27.8		AD	90	
31.8116.120	BT30-SF16-120					AD	120	
31.8118.90	BT30-SF18-90	18	24	29.8	42	AD	90	
31.8118.120	BT30-SF18-120					AD	120	
31.8120.90	BT30-SF20-90	20	26	31.8	44	AD	90	
31.8120.120	BT30-SF20-120					AD	120	

Shrink with 3° / BT 3° 热缩刀柄



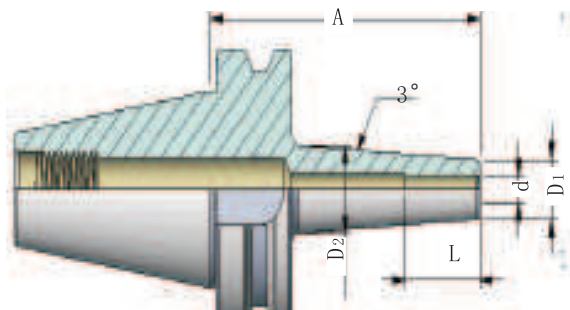
G2.5 25,000min⁻¹

4xd ↗ ≤ 0.003

BT- 3° 热缩刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L	Cooling 冷却方式	A 有效长度	
41.8103.90	BT40-SF3-90	3	9	17	9	AD	90	
41.8104.90	BT40-SF4-90	4	10	18	12	AD		
41.8105.90	BT40-SF5-90	5	11	19	15	AD		
41.8106.90	BT40-SF6-90	6	12	20	25	AD	90	
41.8106.120	BT40-SF6-120					AD	120	
41.8108.90	BT40-SF8-90	8	14	22		AD	90	
41.8108.120	BT40-SF8-120					AD	120	
41.8110.90	BT40-SF10-90	10	16	24	32	AD	90	
41.8110.120	BT40-SF10-120					AD	120	
41.8112.90	BT40-SF12-90	12	18	26	38	AD	90	
41.8112.120	BT40-SF12-120					AD	120	
41.8114.90	BT40-SF14-90	14	20	28	40	AD	90	
41.8114.120	BT40-SF14-120					AD	120	
41.8116.90	BT40-SF16-90	16	22	30	40	AD	90	
41.8116.120	BT40-SF16-120					AD	120	
41.8118.95	BT40-SF18-95	18	24	32	42	AD	95	
41.8118.120	BT40-SF18-120					AD	120	
41.8120.95	BT40-SF20-95	20	26	34	44	AD	95	
41.8120.120	BT40-SF20-120					AD	120	

Schrik with 3° / BT 3° 热缩刀柄



G2.5 25,000min⁻¹

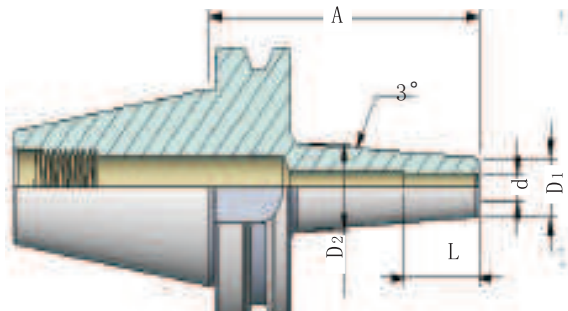
4xd ≤ 0.003

BT- 3° 热缩刀柄

Order No. 货号	Size 规格	d 夹持直径	D1	D2	L	Cooling 冷却方式	A 有效长度	
41.8125.100	BT40-SF25-100	25	31	39	50	AD	100	
41.8125.120	BT40-SF25-120					AD	120	
51.8106.100	BT50-SF6-90	6	12	20.4	25	AD	100	
51.8106.150	BT50-SF6-120					AD	150	
51.8108.100	BT50-SF8-90	8	14	22.4	25	AD	100	
51.8108.150	BT50-SF8-120					AD	150	
51.8110.100	BT50-SF10-90	10	16	24.4	32	AD	100	
51.8110.150	BT50-SF10-120					AD	150	
51.8112.100	BT50-SF12-90	12	18	26.4	38	AD	100	
51.8112.150	BT50-SF12-120					AD	150	
51.8114.100	BT50-SF14-90	14	20	28.4	40	AD	100	
51.8114.150	BT50-SF14-120					AD	150	
51.8116.100	BT50-SF16-90	16	22	30.4	40	AD	100	
51.8116.150	BT50-SF16-120					AD	150	
51.8118.100	BT50-SF18-95	18	24	32.4	42	AD	100	
51.8118.150	BT50-SF18-120					AD	150	
51.8120.100	BT50-SF20-95	20	26	34.4	44	AD	100	
51.8120.150	BT50-SF20-120					AD	150	
51.8125.100	BT50-SF25-100	25	31	39.4	50	AD	100	



BT50 Shrink with 3° / BT 3° 热缩刀柄



MAS 403 BT

G2.5 25,000min⁻¹

4xd ≤ 0.003

BT-3° 热缩刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L	Cooling 冷却方式	A 有效长度
51.8125.150	BT50-SF25-150	25	31	39.4	50	AD	150
51.8132.150	BT50-SF32-150	32	38	46.4		AD	150

应用范围: 适用于夹持高速钢HSS和硬质合金圆柱柄刀具。
直径为Ø3,Ø4和Ø5的被夹持刀具的柄部公差要求达到h4,直径为Ø6~Ø32的被夹持柄部公差要求达到h6
装夹迅速,夹紧力大,高速切削。

相关配件: 拉钉、延长杆

Use: For mounting straight-shank tools
Note: Toolholders suitable for induction-, contact-and hot air shrink units.
Ø3,4,5 with h4-tolerance and Ø6-Ø32 with h6-tolerance
Accessories: rivet, Extension Chuck



TOOL HOLDER DIN 69871



TOOL HOLDER DIN 69871

Tool Holder / 刀柄 DIN 69871

动平衡等级

G6.3 12,000min⁻¹

G6.3 12,000min⁻¹

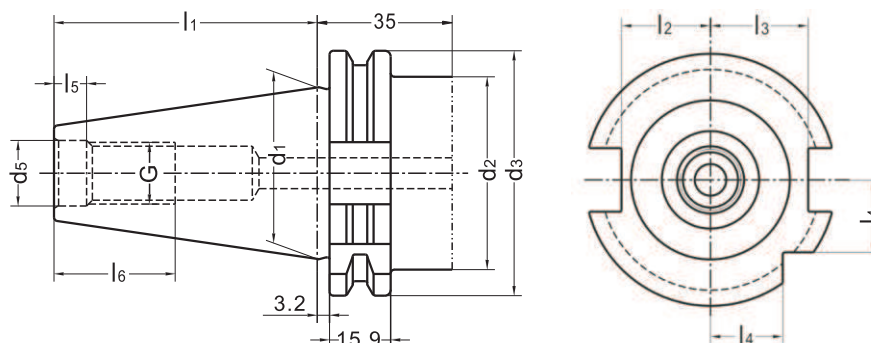
Pre-balanced

G2.5 25,000min⁻¹

可特制精细动平衡

G2.5 Fine balancing

at extra charge



SK	d ₁	G	d ₅	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	e	d ₆
30	31.75	M12	13	45	50.00	47.8	16.4	19.0	15.0	5.5	24	21	M4
40	44.45	M16	17	50	63.55	68.40	22.8	25.0	18.5	8.2	32	27	M4
50	69.85	M24	25	80	97.50	101.75	35.5	37.7	30.0	11.5	47	42	M6

材质：优质渗碳合金钢，中心抗拉强度最小1000N/mm²。

表面硬度HRC 60±2(HV 700±50)，硬化深度0.8mm±0.2mm，
发黑处理和精细研磨。

精度：根据DIN 7187和DIN 2080，锥角公差等级为AT3。

Mateial: Allied case hardened steel, tensile strength in the core of the min.1000N/mm²

Case hardened HRC 60±2(HV 700±50),hardening depth 0.8mm±0.2mm,
black-finished and precisely grinded.

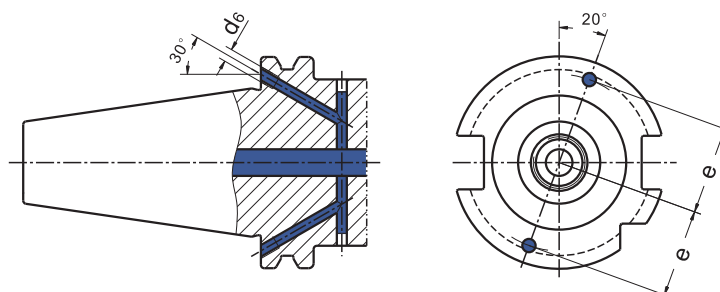
Accuracy: Cone angle-tolerance exactness<AT3 according to DIN 7187 and DIN 2080

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 inernal coolant through the collar



ER弹簧夹头刀柄 ————— 2.03



强力铣刀柄 ————— 2.05



侧固式铣刀柄 ————— 2.06



带扁尾莫氏刀柄 ————— 2.08



带螺纹孔莫氏刀柄 ————— 2.09



混合式铣刀柄 ————— 2.10



面铣刀柄 ————— 2.12



自紧式钻夹头刀柄 ————— 2.13



弹性快换攻丝卡头 ————— 2.14



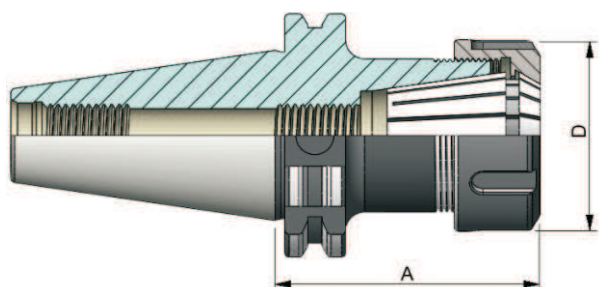
刚性伸缩攻牙刀柄 ————— 2.15



液压刀柄 ————— 2.16

TOOL HOLDER DIN 69871

Collet Chuck ER / SK-ER 弹簧夹头刀柄



G6.3 12,000min⁻¹

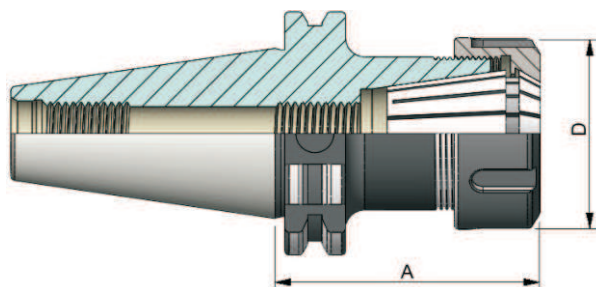
≤ 0.003

SK-ER弹簧夹头刀柄

Order No. 货号	Size 规格	Capacity 夹持范围	D 螺帽外径	Cooling 冷却方式	A 有效长度	
32.1011.80	SK30-ER11-80	1-7	19	AD	80	
32.1016.63	SK30-ER16-63	1-10	32	AD	63	
32.1020.63	SK30-ER20-63	1.5-13	34	AD	63	
32.1025.63	SK30-ER25-63	2-16	42	AD	63	
42.1011.80	SK40-ER11-80	1-7	19	AD	80	
42.1016.63	SK40-ER16-63	1-10	28	AD	160	
42.1016.100	SK40-ER16-100	1-10	28	AD	100	
42.1016.160	SK40-ER16-160	1-10	28	AD	160	
42.1020.70	SK40-ER20-70	1.5-13	34	AD	70	
42.1020.100	SK40-ER20-100	1.5-13	34	AD	100	
42.1025.60	SK40-ER25-60	2-16	42	AD	60	
42.1025.100	SK40-ER25-100	2-16	42	AD	100	
42.1025.150	SK40-ER25-150	2-16	42	AD	150	
42.1032.70	SK40-ER32-70	2-20	50	AD	70	
42.1032.100	SK40-ER32-100	2-20	50	AD	100	
42.1032.150	SK40-ER32-150	2-20	50	AD	150	
42.1040.80	SK40-ER40-80	3-26	63	AD	80	
42.1040.100	SK40-ER40-100	3-26	63	AD	100	
42.1040.150	SK40-ER40-150	3-26	63	AD	150	

DIN 69871

Collet Chuck ER / SK-ER 弹簧夹头刀柄



G6.3 12,000min⁻¹

≤ 0.003

SK-ER弹簧夹头刀柄

Order No. 货号	Size 规格	Capacity 夹持范围	D 螺帽外径	Cooling 冷却方式	A 有效长度
52.1016.70	SK50-ER16-70	1-10	28	AD	70
52.1016.100	SK50-ER16-100	1-10	28	AD	100
52.1016.160	SK50-ER16-160	1-10	28	AD	160
52.1020.70	SK50-ER20-70	1.5-13	34	AD	70
52.1020.100	SK50-ER20-100	1.5-13	34	AD	100
52.1025.70	SK50-ER25-70	2-16	42	AD	70
52.1025.100	SK50-ER25-100	2-16	42	AD	100
52.1025.150	SK50-ER25-150	2-16	42	AD	150
52.1032.80	SK50-ER32-80	2-20	50	AD	80
52.1032.100	SK50-ER32-100	2-20	50	AD	100
52.1032.160	SK50-ER32-160	2-20	50	AD	160
52.1040.80	SK50-ER40-80	3-26	63	AD	80
52.1040.120	SK50-ER40-120	3-26	63	AD	120
52.1040.160	SK50-ER40-160	3-26	63	AD	160

应用范围: 配DIN6499弹簧夹头可夹持各种尺寸圆柱柄刀具

交货内容: 标准螺帽

相关配件: ER弹簧夹头、扳手、拉钉

Use: For clamping tools with cylindrical shank in collets of DIN 6499

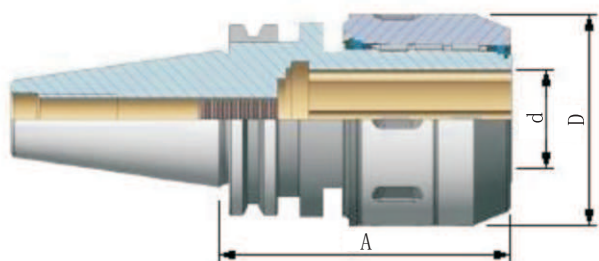
Delivery range: Locknut

Accessories: Ercollets, wrench, rivet



TOOL HOLDER DIN 69871

Precision Milling Chuck / SK-强力铣刀柄



G6.3 8,000min⁻¹

3Xd ↗ ≤ 0.01

SK-强力铣刀柄

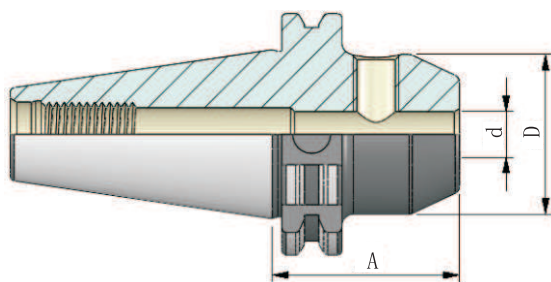
Order No. 货号	Size 规格	d	D	Cooling 冷却方式	A 有效长度
42.1320.90	SK40-C20-90	20	53	A	90
42.1325.105	SK40-C25-105	25	63	A	105
42.1332.100	SK40-C32-100	32	70	A	100
42.1332.105	SK40-C32-105	32	70	A	105
42.1332.135	SK40-C32-135	32	70	A	135
52.1320.90	SK50-C20-90	20	53	A	90
52.1332.105	SK50-C32-90	32	70	A	105
52.1332.135	SK50-C32-135	32	70	A	135
52.1332.165	SK50-C32-165	32	70	A	165
52.1342.120	SK50-C42-120	42	90	A	120
52.1342.150	SK50-C42-150	42	90	A	150

应用范围: 配直筒型高精密弹簧夹头可夹持各种尺寸圆柱柄刀具
相关配件: 直筒型精密弹簧夹头、拉钉、扳手

Use: For mounting straight-shank tools in collets, To use for high speed cutting and high precision milling
Accessories: precision straight collects、rivet



Weldon Toolholder / SK-侧固式铣刀柄



G6.3 12,000min⁻¹

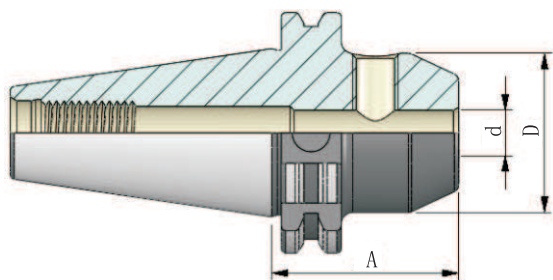
≤ 0.003

SK-侧固式铣刀柄

Order No. 货号	Size 规格	d 夹持直径	D 外径	Cooling 冷却方式	A 有效长度
32.2006.50	SK30-SL06-50	6	25	AD	50
32.2008.50	SK30-SL08-50	8	28	AD	50
32.2010.50	SK30-SL10-50	10	35	AD	50
32.2012.50	SK30-SL12-50	12	42	AD	50
32.2014.63	SK30-SL14-63	14	44	AD	63
32.2016.63	SK30-SL16-63	16	48	AD	63
42.2006.50	SK40-SL06-50	6	25	AD	50
42.2006.100	SK40-SL06-100	6	25	AD	100
42.2008.50	SK40-SL08-50	8	28	AD	50
42.2008.100	SK40-SL08-100	8	28	AD	100
42.2010.50	SK40-SL10-50	10	35	AD	50
42.2010.100	SK40-SL10-100	10	35	AD	100
42.2012.50	SK40-SL12-50	12	42	AD	50
42.2012.100	SK40-SL12-100	12	42	AD	100
42.2014.50	SK40-SL14-50	14	44	AD	50
42.2014.100	SK40-SL14-100	14	44	AD	100
42.2016.63	SK40-SL16-63	16	48	AD	63
42.2016.100	SK40-SL16-100	16	48	AD	100
42.2018.63	SK40-SL18-63	18	50	AD	63
42.2018.100	SK40-SL18-100	18	50	AD	100
42.2020.63	SK40-SL20-63	20	52	AD	63

TOOL HOLDER DIN 69871

Weldon Toolholder / SK-侧固式铣刀柄



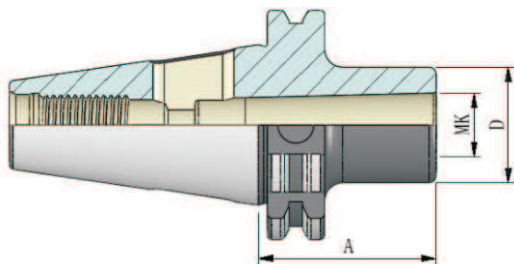
G6.3 12,000min⁻¹

↗ ≤ 0.003

SK-侧固式铣刀柄

Order No. 货号	Size 规格	d 夹持直径	D 外径	Cooling 冷却方式	A 有效长度
42.2020.100	SK40-SL20-100	20	52	AD	100
42.2025.100	SK40-SL25-100	25	65	AD	100
42.2025.125	SK40-SL25-125	25	65	AD	125
42.2032.100	SK40-SL32-100	32	72	AD	100
42.2040.120	SK40-SL40-120	40	90	AD	120
52.2006.63	SK50-SL06-63	6	25	AD	63
52.2008.63	SK50-SL08-63	8	28	AD	63
52.2010.63	SK50-SL10-63	10	35	AD	63
52.2012.63	SK50-SL12-63	12	42	AD	63
52.2014.63	SK50-SL14-63	14	44	AD	63
52.2016.63	SK50-SL16-63	16	48	AD	63
52.2018.63	SK50-SL18-63	18	50	AD	63
52.2020.63	SK50-SL20-63	20	52	AD	63
52.2025.80	SK50-SL25-80	25	65	AD	80
52.2032.100	SK50-SL32-100	32	72	AD	100
52.2040.120	SK50-SL40-120	40	80	AD	125

Morse Taper Toolholder / SK-带扁尾莫氏刀柄



G6.3 8,000min⁻¹

≤ 0.005

SK-带扁尾莫氏刀柄

Order No. 货号	Size 规格	MK 莫氏锥度	D 外径	Cooling 冷却方式	A 有效长度
32.3001.50	SK30-MTA1-50	MK1	25	AD	50
32.3002.60	SK30-MTA2-60	MK2	32	AD	60
32.3003.75	SK30-MTA3-75	MK3	40	AD	75
42.3001.50	SK40-MTA1-50	MK1	25	AD	50
42.3002.50	SK40-MTA2-50	MK2	32	AD	50
42.3003.75	SK40-MTA3-75	MK3	40	AD	75
42.3004.95	SK40-MTA4-95	MK4	48	AD	95
52.3001.45	SK50-MTA1-45	MK1	25	AD	45
52.3002.60	SK50-MTA2-60	MK2	32	AD	60
52.3003.65	SK50-MTA3-65	MK3	40	AD	65
52.3004.95	SK50-MTA4-95	MK4	48	AD	95
52.3005.105	SK50-MTA5-105	MK5	63	AD	105

应用范围: 适用于夹持DIN228-1B型带扁尾莫氏柄刀具

相关配件: 拉钉

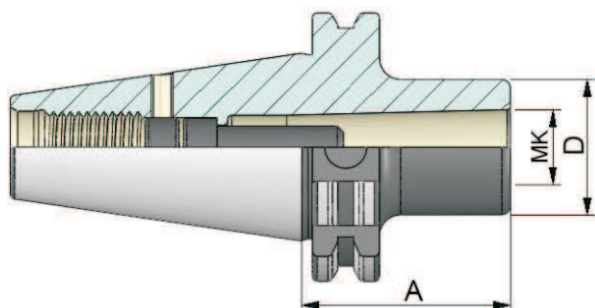
Use: For holding tools with Morse tapers and tang according to DIN228-1 form B

Accessories: drift, rivet



TOOL HOLDER DIN 69871

Morse Taper With Drawbar Thread Toolholder / SK-带螺纹孔莫氏刀柄



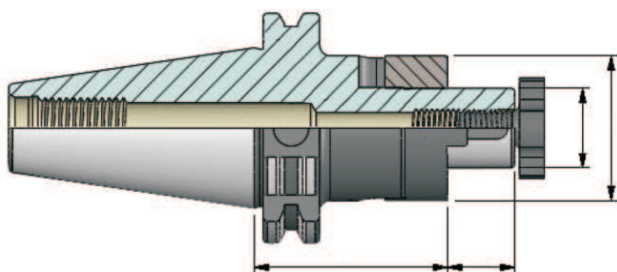
G6.3 12,000min⁻¹

≤ 0.005

SK-带螺纹莫氏孔刀柄

Order No. 货号	Size 规格	MK 莫氏锥度	D 外径	Cooling 冷却方式	A 有效长度	
42.3101.45	SK40-MTB1-45	MK1	25	A	45	
42.3102.60	SK40-MTB2-60	MK2	32	A	60	
42.3103.80	SK40-MTB3-80	MK3	40	A	80	
42.3103.100	SK40-MTB3-100	MK3	40	A	100	
42.3104.100	SK40-MTB4-100	MK4	48	A	100	
52.3101.45	SK50-MTB1-45	MK1	25	A	45	
52.3102.45	SK50-MTB2-45	MK2	32	A	45	
52.3103.60	SK50-MTB3-60	MK3	40	A	60	
52.3103.80	SK50-MTB3-80	MK3	40	A	80	
52.3104.90	SK50-MTB4-90	MK4	48	A	90	
52.3104.120	SK50-MTB4-120	MK4	48	A	120	
52.3105.120	SK50-MTB5-120	MK5	61	A	120	

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



G6.3 12,000min⁻¹

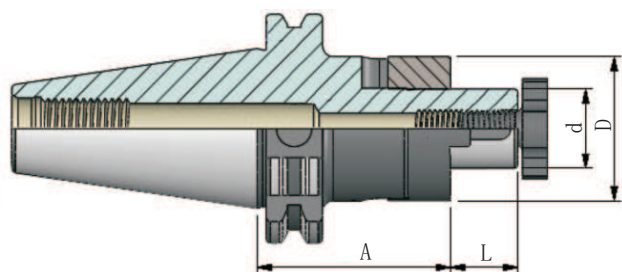
≤ 0.005

SK-混合式铣刀柄

Order No. 货号	Size 规格	d 心轴直径	D 端面直径	Cooling 冷却方式	A 有效长度	
32.4016.55	SK30-CM16-55	16	32	AD	55	
32.4022.55	SK30-CM22-55	22	40	AD	55	
32.4027.55	SK30-CM27-55	27	48	AD	55	
32.4032.60	SK30-CM32-60	32	58	AD	60	
42.4016.55	SK40-CM16-55	16	32	AD	55	
42.4016.100	SK40-CM16-100	16	32	AD	100	
42.4022.55	SK40-CM22-55	22	40	AD	55	
42.4022.100	SK40-CM22-100	22	40	AD	100	
42.4027.55	SK40-CM27-55	27	48	AD	55	
42.4027.100	SK40-CM27-100	27	48	AD	100	
42.4032.60	SK40-CM32-60	32	58	AD	60	
42.4032.100	SK40-CM32-100	32	58	AD	100	
42.4040.60	SK40-CM40-60	40	70	AD	60	
42.4040.100	SK40-CM40-100	40	70	AD	100	
52.4016.63	SK50-CM16-63	16	32	AD	63	
52.4016.100	SK50-CM16-100	16	32	AD	100	
52.4022.70	SK50-CM22-70	22	40	AD	70	
52.4022.100	SK50-CM22-100	22	40	AD	100	
52.4027.70	SK50-CM27-70	27	48	AD	70	

TOOL HOLDER DIN 69871

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



G6.3 12,000min⁻¹

≤ 0.005

SK-混合式铣刀柄

Order No. 货号	Size 规格	d 心轴直径	D 端面直径	Cooling 冷却方式	A 有效长度
52.4027.100	SK50-CM27-100	27	48	AD	100
52.4032.70	SK50-CM32-70	32	58	AD	70
52.4032.100	SK50-CM32-100	32	58	AD	100
52.4040.75	SK50-CM40-75	40	70	AD	75
52.4040.100	SK50-CM40-100	40	70	AD	100
52.4050.75	SK50-CM50-75	50	90	AD	75
52.4050.100	SK50-CM50-100	50	90	AD	100

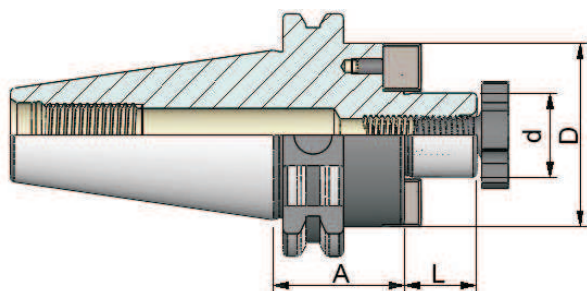
应用范围: 适用于夹持带轴向或带径向驱动槽的铣刀
如: 套式立铣刀, 面铣刀, 三面刃铣刀
交货内容: 压紧螺栓 (经动平衡处理)
相关配件: 压紧螺栓、扳手、拉钉、驱动环

Use: For clamping shell mill DIN841 and DIN1880 as well as angular milling cutter DIN842 and cutter DIN1830

Delivery range: Locknut (balanced)
Accessories: stretching screw, wrench, rivet clutch drive rings



Sell Mill Toolholder / SK-面铣刀柄



G6.3 12,000min⁻¹

≤ 0.005

SK-面铣刀柄

Order No. 货号	Size 规格	d 心轴直径	D 端面直径	Cooling 冷却方式	A 有效长度
32.4116.60	SK30-FMB16-60	16	32	A	60
32.4122.60	SK30-FMB22-60	22	40	A	60
32.4127.60	SK30-FMB27-60	27	48	A	60
32.4132.60	SK30-FMB32-60	32	58	A	60
32.4140.60	SK30-FMB40-60	40	70	A	60
42.4116.60	SK40-FMB16-60	16	32	A	60
42.4122.60	SK40-FMB22-60	22	40	A	60
42.4127.60	SK40-FMB27-60	27	48	A	60
42.4127.75	SK40-FMB27-75	27	48	A	75
42.4132.60	SK40-FMB32-60	32	58	A	60
42.4140.60	SK40-FMB40-60	40	70	A	60
52.4116.60	SK50-FMB16-60	16	32	A	60
52.4122.60	SK50-FMB22-60	22	40	A	60
52.4127.60	SK50-FMB27-60	27	48	A	60
52.4132.60	SK50-FMB32-60	32	58	A	60
52.4140.60	SK50-FMB40-60	40	70	A	60

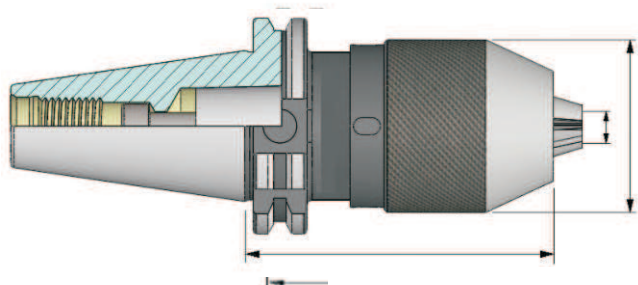
应用范围: 用于夹持带径向驱动槽的铣刀,
相关配件: 压紧螺栓、扳手、拉钉

Use: For holding like shell mill cutters
Accessories: rivet, wrench, stretching screw
clutch drive rings



TOOL HOLDER DIN 69871

One Set Drill Chuck / SK-自紧式钻夹头刀柄



G6.3 8,000min⁻¹

≤ 0.03

SK- 自紧式钻夹头刀柄

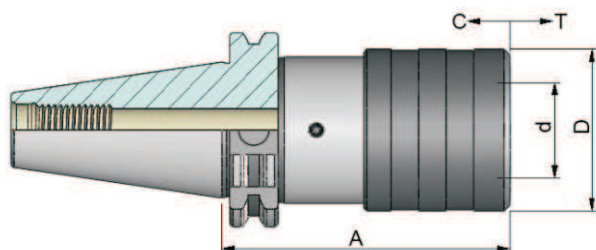
Order No. 货号	Size 规格	d 夹持范围	D	A 有效长度
32.5208.80	SK30-APU/8-80	0.5-8	36.5	85
32.5213.120	SK30-APU/13-120	1.0-13	55	100
42.5208.70	SK40-APU/8-70	0.5-8	36	70
42.5213.82	SK40-APU/13-82	1.0-13	50	82
42.5216.105	SK40-APU/16-105	3.0-16	57	105
52.5213.85	SK50-APU/13-85	1.0-13	50	85
52.5216.90	SK50-APU/16-90	3.0-16	57	90

应用范围: 夹持直径为0.5-16mm的钻头,
勾扳手夹紧
相关配件: 拉钉

Use: For clamping tools with cylindrical shank, for left
and right hand turn, clamping and loosening with a
hexagon socket wrench.
Accessories: rivet



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



SK-弹性快换攻丝刀柄

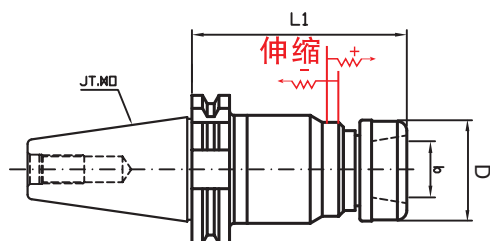
Order No. 货号	Size 规格	d	D	A 有效长度
32.6016.60	SK30-M2/M16-60-Gr.1	19	43	60
42.6016.58	SK40-M2/M16-58-Gr.1	19	43	58
42.6030.138	SK40-M6/M30-138-Gr.2	31	61	138
52.6016.58	SK50-M2/M16-58-Gr.1	19	43	58
52.6030.89	SK50-M6/M30-89-Gr.2	31	61	89
52.6048.150	SK50-M24/M48-150-Gr.3	48	82	150

应用范围: 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
技术信息: 无中心通水
相关配件: 快换夹头、拉钉

Use: For tapping preferably. Axial length compensation on tension and pressure.
Information: Form A without central coolant supply
Accessories: Quick change chuck



Quick Change Tapping Chuck Without Length Compensation SK-刚性伸缩攻牙刀柄



SK-刚性快换攻丝卡头

Order No. 货号	Size 规格	Gripl range 攻牙范围	D	L1
32.6216.96	SK30-WER16-96	M2-M12	28	96
32.6220.101	SK30-WER20-101	M2-M16	34	101
32.6225.106	SK30-WER25-106	M2-M22	42	106
32.6232.111	SK30-WER32-111	M2-M30	50	111
32.6240.136	SK30-WER40-136	M2-M36	63	136
42.6216.97	SK40-WER16-97	M2-M12	28	97
42.6220.98	SK40-WER20-98	M2-M16	34	98
42.6225.99	SK40-WER25-99	M2-M22	42	99
42.6232.100	SK40-WER32-100	M2-M30	50	100
42.6240.120	SK40-WER40-120	M2-M36	63	120
52.6216.97	SK50-WER16-97	M2-M12	28	97
52.6220.98	SK50-WER20-98	M2-M16	34	98
52.6225.99	SK50-WER25-99	M2-M22	42	99
52.6232.100	SK50-WER32-100	M2-M30	50	100
52.6240.120	SK50-WER40-120	M2-M36	63	120

应用范围: 螺纹加工, 主要应用于强制性轴向
进给机床上

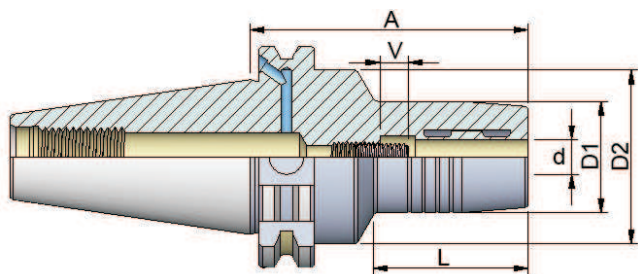
应用范围: AD 型, 中心通水冷却

相关配件: 快换夹头、扳手

Use: For tapping preferably. Axial length nonadjustable
Accessories: Quick change chuck, wrench



SK Hydraulic Expansion Chuck / SK-液压刀柄



G2.5 25,000min⁻¹

2.5Xd ≤ 0.005

SK-液压刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L	A 有效长度	
42.7006.80	SK40-HC06-80.5	6	28	50	35	80.5	
42.7008.80	SK40-HC08-80.5	8	30	50	35	80.5	
42.7010.80	SK40-HC10-80.5	10	32	50	35	80.5	
42.7012.80	SK40-HC12-80.5	12	34	50	35	80.5	
42.7016.80	SK40-HC16-80.5	16	38	50	35	80.5	
42.7020.80	SK40-HC20-80.5	20	43	50	35	80.5	
42.7025.80	SK40-HC25-80.5	25	57	66	26	80.5	
42.7032.80	SK40-HC32-80.5	32	62	72	26	80.5	
52.7006.90	SK50-HC06-90	6	30	52	40	90	
52.7008.90	SK50-HC08-90	8	32	52	40	90	
52.7010.90	SK50-HC10-90	10	34	52	42	90	
52.7012.90	SK50-HC12-90	12	36	52	42	90	
52.7016.90	SK50-HC16-90	16	41	52	40	90	
52.7020.90	SK50-HC20-90	20	43	52	34.5	90	
52.7025.105	SK50-HC25-105	25	54	66	43	105	
52.7032.105	SK50-HC32-105	32	62	72	43	105	



TOOL HOLDER DIN 69893(HSK)



Tool Holder / 刀柄 DIN 69893 (HSK-A)

动平衡等级

G6.3 15,000min⁻¹

G6.3 15,000 min⁻¹

Pre-balanced

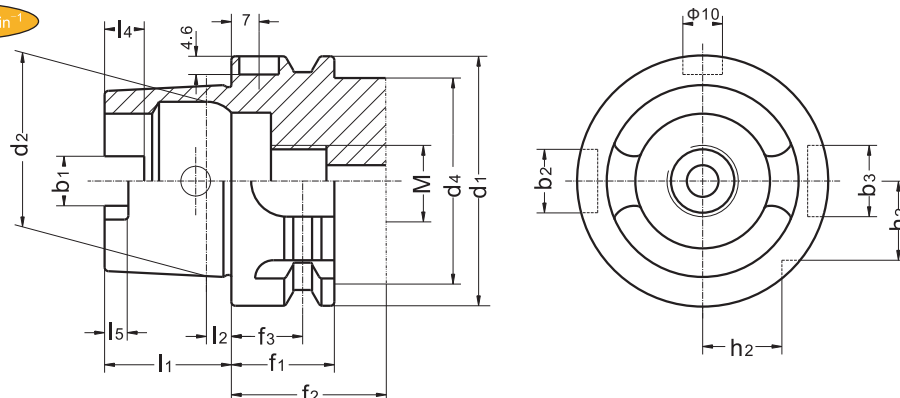
G6.3 15,000 min⁻¹

G2.5 精细动平衡

可特制

G2.5 Fine balancing

at extra charge



HSK-A d ₁	d ₂	d ₄ max	l ₁	l ₂	l ₄	l ₅	M	f ₁	f ₂	f ₃	b ₁	b ₂	b ₃
32	24	26	16	3.2	5.0	3.0	M10 x 1	20	35	16	7.05	7	9
40	30	34	20	4.0	6.0	3.5	M12 x 1	20	35	16	8.05	9	11
50	38	42	25	5.0	7.5	4.5	M16 x 1	26	42	18	10.54	12	14
63	48	53	32	6.3	10.0	6.0	M18 x 1	26	42	18	12.54	16	18
80	60	67	40	8.0	12.0	8.0	M20 x 1.5	26	42	18	16.04	18	20
100	75	85	50	10.0	15.0	10.0	M24 x 1.5	29	45	20	20.02	22	20

材质：优质渗碳合金钢，中心抗拉强度最小1000N/mm²。

表面硬度 HRC 60±2 (HV 700±50)，硬化深度0.8mm±0.2mm，
发黑处理和精细研磨。

精度：根据DIN7178,锥角公差等级为 AT3。最大跳动误差<0.003 mm



Material: Allied case hardened steel, tensile strength in the core of the min.1000N/mm²
Case hardened HRC 60±2(HV 700±50),hardening depth 0.8mm±0.2mm,
black-finished and precisely grinded.

Accuracy : Cone angle-tolerance exactness<AT3 according to DIN7178
Max. run out inaccuracy <0.003mm

TOOL HOLDER / 刀柄 DIN 69893-1 (HSK-A)



ER 弹簧夹头刀柄 3.03



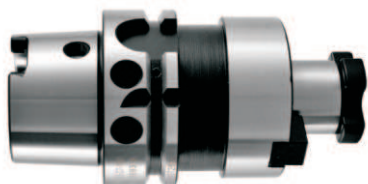
侧固式铣刀柄 3.06



带扁尾莫氏刀柄 3.08



混合式铣刀柄 3.09



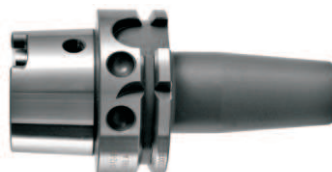
面铣刀柄 3.15



弹性快换攻丝刀柄 3.12

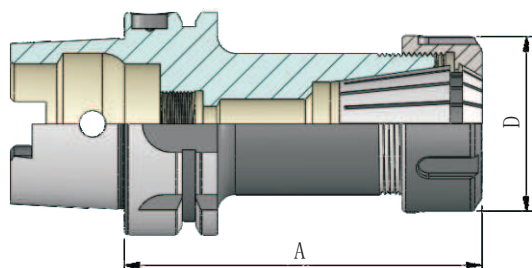


液压刀柄 3.13



热缩刀柄 3.15

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



G6.3 15,000min⁻¹

≤ 0.003

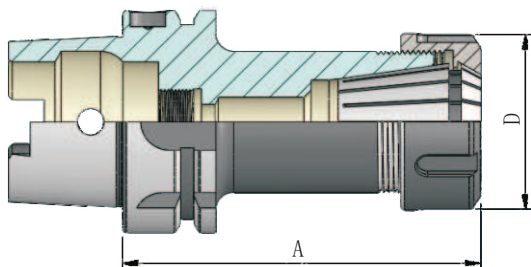
HSK-A-ER弹簧夹头刀柄

Order No. 货号	Size 规格	Capacity 夹持范围	D 螺帽外径	A 有效长度	
44.1011.75	HSK-A40-ER11-75	0.5-7	16	75	
44.1016.80	HSK-A40-ER16-80	1-10	28	80	
44.1020.85	HSK-A40-ER20-85	1-13	42	85	
44.1025.80	HSK-A40-ER25-80	1-16	42	80	
54.1016.100	HSK-A50-ER16-100	1-10	32	100	
54.1025.80	HSK-A50-ER25-80	1-16	42	80	
54.1025.100	HSK-A50-ER25-100	1-16	42	100	
54.1032.100	HSK-A50-ER32-100	2-20	50	100	
54.1032.120	HSK-A50-ER32-120	2-20	50	120	
64.1016.80	HSK-A63-ER16-80	1-10	32	80	
64.1016.100	HSK-A63-ER16-100	1-10	32	100	
64.1025.80	HSK-A63-ER25-80	1-16	42	80	
64.1025.100	HSK-A63-ER25-100	1-16	42	100	
64.1025.120	HSK-A63-ER25-120	1-16	42	120	
64.1032.80	HSK-A63-ER32-80	2-20	50	80	
64.1032.100	HSK-A63-ER32-100	2-20	50	100	
64.1032.120	HSK-A63-ER32-120	2-20	50	120	
64.1040.120	HSK-A63-ER40-120	3-26	63	120	



TOOL HOLDER / 刀柄DIN 69893-5 (HSK-E)

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



G6.3 15,000min⁻¹

≤ 0.003

HSK-A-ER弹簧夹头刀柄

Order No. 货号	Size 规格	Capacity 夹持范围	D 螺帽外径	A 有效长度
104.1025.100	HSK-A100-ER25-100	1-16	42	100
104.1025.120	HSK-A100-ER25-120	1-16	42	120
104.1032.100	HSK-A100-ER32-100	2-20	50	100
104.1032.120	HSK-A100-ER32-120	2-20	50	120
104.1040.100	HSK-A100-ER40-100	2-16	42	100
104.1040.120	HSK-A100-ER40-120	3-26	63	120

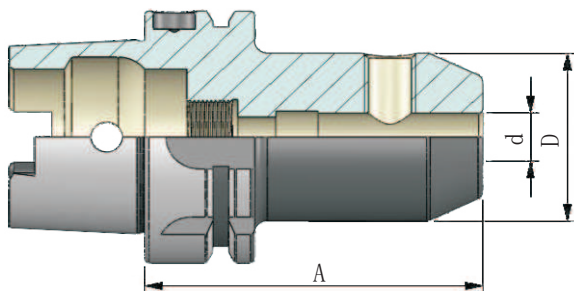
DIN 69893 (HSK)

应用范围: 配DIN6499弹簧夹头可夹持各种尺寸圆柱柄刀具
交货内容: 标准螺帽 (经动平衡处理)
相关配件: ER弹簧夹头、扳手、冷却导管

Use: For clamping tools with cylindrical
shank in colletsof DIN 6499
Delivery range: Locknut (balanced)
Accessories: ERcollects、wrench、coolant tubes



HSK-A Weldon Toolholder (Side Lock) / HSK-A 侧固式铣刀柄



G6.3 15,000min⁻¹

↗ ≤ 0.003

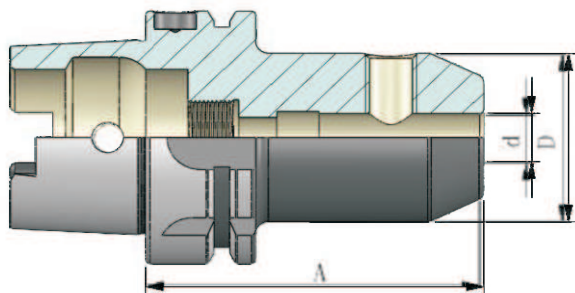
HSK-A-侧固式铣刀柄

Order No. 货号	Size 规格	d 夹持直径	D 外径	A 有效长度	
44.2008.60	HSK-A40-SL8-60	8	28	60	
44.2010.60	HSK-A40-SL10-60	10	35	60	
44.2012.70	HSK-A40-SL12-70	12	42	70	
44.2016.75	HSK-A40-SL16-75	16	48	75	
54.2006.65	HSK-A50-6-65	6	25	65	
54.2008.65	HSK-A50-8-65	8	28	65	
54.2010.65	HSK-A50-10-65	10	35	65	
54.2012.80	HSK-A50-12-80	12	42	80	
54.2014.80	HSK-A50-14-80	14	44	80	
54.2016.80	HSK-A50-16-80	16	48	80	
54.2018.80	HSK-A50-18-80	18	50	80	
54.2020.80	HSK-A50-20-80	20	52	80	



TOOL HOLDER / 刀柄 DIN 69893-1 (HSK-A)

HSK-A Weldon Toolholder (Side Lock) / HSK-A 侧固式铣刀柄



G6.3 15,000min⁻¹

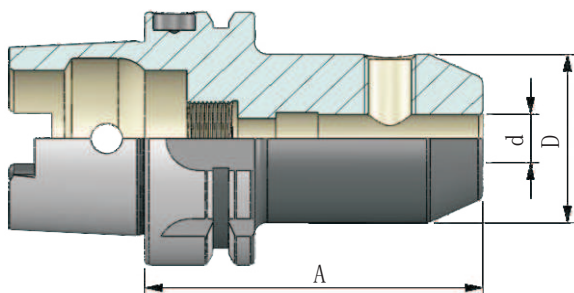
≤ 0.003

HSK-A-侧固式铣刀柄

Order No. 货号	Size 规格	d 夹持直径	D 外径	A 有效长度	
64.2006.65	HSK-A63-SL6-65	6	25	65	
64.2008.65	HSK-A63-SL8-65	8	28	65	
64.2010.65	HSK-A63-SL10-65	10	35	65	
64.2012.80	HSK-A63-SL12-80	12	42	80	
64.2014.80	HSK-A63-SL14-80	14	44	80	
64.2016.80	HSK-A63-SL16-80	16	48	80	
64.2018.80	HSK-A63-SL18-80	18	50	80	
64.2020.80	HSK-A63-SL20-80	20	52	80	
64.2025.110	HSK-A63-SL25-110	25	65	110	
64.2032.110	HSK-A63-SL32-110	32	72	110	

DIN 69893 (HSK)

HSK-A Weldon Toolholder (Side Lock) / HSK-A 侧固式铣刀柄



G6.3 15,000min⁻¹

↗ ≤ 0.003

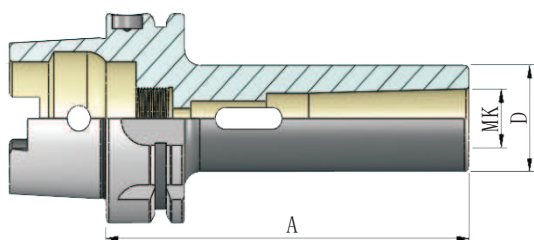
HSK-A-侧固式铣刀柄

Order No. 货号	Size 规格	d 夹持直径	D 外径	A 有效长度
104.2006.80	HSK-A100-SL06-80	06	25	80
104.2008.80	HSK-A100-SL08-80	08	28	80
104.2010.80	HSK-A100-SL10-80	10	35	80
104.2012.80	HSK-A100-SL12-80	12	42	80
104.2014.80	HSK-A100-SL14-80	14	44	80
104.2016.100	HSK-A100-SL16-100	16	48	100
104.2018.100	HSK-A100-SL18-100	18	50	100
104.2020.100	HSK-A100-SL20-100	20	52	100
104.2025.100	HSK-A100-SL25-100	25	65	100
104.2032.100	HSK-A100-SL32-100	32	72	100
104.2040.105	HSK-A100-SL40-105	40	50	105



TOOL HOLDER / 刀柄 DIN 69893-1 (HSK-A)

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



G6.3 15,000min⁻¹

≤ 0.005

HSK-A-带扁尾莫氏刀柄

DIN 69893 (HSK)

Order No. 货号	Size 规格	MK 莫氏锥度	D 外径	A 有效长度	
54.3001.100	HSK-A50-MTA1-100	MK1	25	100	
54.3002.120	HSK-A50-MTA2-120	MK2	32	120	
54.3003.140	HSK-A50-MTA3-140	MK3	40	140	
64.3001.100	HSK-A63-MTA1-100	MK1	25	100	
64.3002.120	HSK-A63-MTA2-120	MK2	32	120	
64.3003.140	HSK-A63-MTA3-140	MK3	40	140	
64.3004.160	HSK-A63-MTA4-160	MK4	48	160	
104.3001.110	HSK-A100-MTA1-110	MK1	25	110	
104.3002.120	HSK-A100-MTA2-120	MK2	32	120	
104.3003.150	HSK-A100-MTA3-150	MK3	40	150	
104.3004.170	HSK-A100-MTA4-170	MK4	48	170	
104.3005.200	HSK-A100-MTA5-200	MK5	63	200	

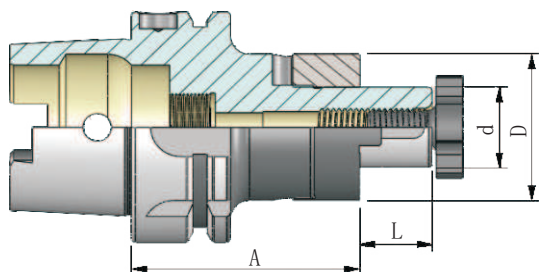
应用范围: 适用于夹持DIN228-1B型带扁尾莫氏柄刀具
相关配件: 冷却导管

Use: For holding tools with Morse tapers and tang according to DIN228-1 form B
Accessories: drift, coolant tubes



4.56

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



G6.3 15,000min⁻¹

≤ 0.005

HSKA-混合式铣刀柄

Order No. 货号	Size 规格	d 心轴直径	D 端面直径	L 心轴长度	A 有效长度
54.4016.50	HSK-A50-CM16-50	16	32	17	50
54.4022.50	HSK-A50-CM22-50	22	40	19	50
54.4027.65	HSK-A50-CM27-65	27	48	21	65
54.4032.65	HSK-A50-CM32-65	32	58	24	65
64.4016.60	HSK-A63-CM16-60	16	32	17	60
64.4022.60	HSK-A63-CM22-60	22	40	19	60
64.4027.60	HSK-A63-CM27-60	27	48	21	60
64.4032.60	HSK-A63-CM32-60	32	58	24	60
64.4040.70	HSK-A63-CM40-70	40	70	27	70
104.4022.60	HSK-A100-CM22-60	22	40	19	60
104.4027.60	HSK-A100-CM27-60	27	48	21	60
104.4032.60	HSK-A100-CM32-60	32	58	24	60
104.4040.60	HSK-A100-CM40-60	40	70	27	60
104.4050.80	HSK-A100-CM50-80	50	90	30	80

应用范围: 适用于夹持带轴向或带径向驱动槽的铣刀
如: 套式立铣刀, 面铣刀, 三面刃铣刀
交货内容: 压紧螺栓 (经动平衡处理)
相关配件: 压紧螺栓、扳手、驱动环、冷却导管

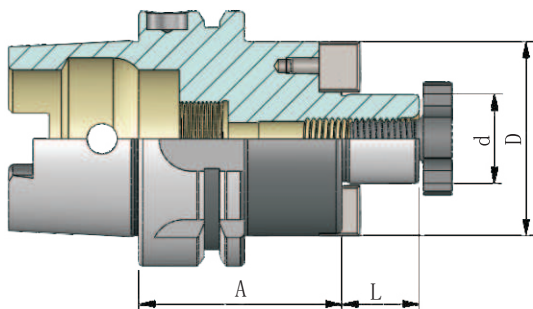
Use: For clamping shell mill DIN841 and DIN1880 as well as angular milling cutter DIN842 and cutter DIN1830

Delivery range: Locknut (balanced)
Accessories: stretching screw, wrench, clutch drive rings, coolant tubes



TOOL HOLDER / 刀柄 DIN 69893-1 (HSK-A)

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



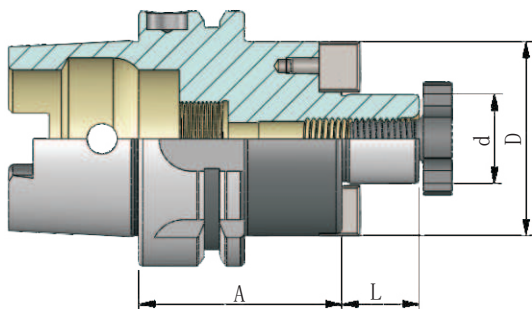
G6.3 15,000min⁻¹

≤ 0.004

HSK-A-面铣刀柄

Order No. 货号	Size 规格	d 心轴直径	D 端面直径	L 心轴长度	A 有效长度
44.4116.50	HSK-A40-FMA16-50	16	38	17	50
44.4122.60	HSK-A40-FMA22-60	22	47	19	60
44.4127.60	HSK-A40-FMA27-60	27	58	21	60
54.4116.50	HSK-A50-FMA16-50	16	38	17	50
54.4122.60	HSK-A50-FMA22-60	22	47	19	60
54.4127.60	HSK-A50-FMA27-60	27	58	21	60
54.4132.60	HSK-A50-FMA32-60	32	66	24	60
64.4116.50	HSK-A63-FMA16-50	16	38	17	50
64.4116.100	HSK-A63-FMA16-100	16	38	17	100
64.4122.50	HSK-A63-FMA22-50	22	47	19	50
64.4122.100	HSK-A63-FMA22-100	22	47	19	100
64.4127.60	HSK-A63-FMA27-60	27	58	21	60
64.4127.100	HSK-A63-FMA27-100	27	58	21	100
64.4132.60	HSK-A63-FMA32-60	32	66	24	60
64.4132.100	HSK-A63-FMA32-100	32	66	24	100
64.4140.60	HSK-A63-FMA40-60	40	82	27	60
64.4140.100	HSK-A63-FMA40-100	40	82	27	100

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



G6.3 15,000min⁻¹

≤ 0.004

HSK-A-面铣刀柄

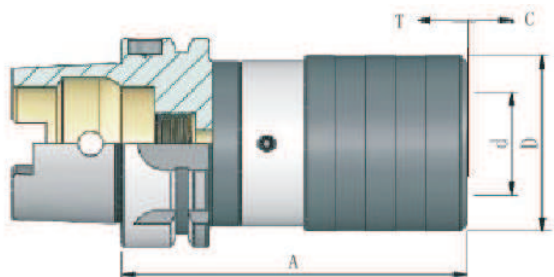
Order No. 货号	Size 规格	d 心轴直径	D 端面直径	L 心轴长度	A 有效长度
104.4122.50	HSK-A100-FMA22-50	22	47	19	50
104.4127.50	HSK-A100-FMA27-50	27	58	21	50
104.4132.50	HSK-A100-FMA32-50	32	66	24	50
104.4140.60	HSK-A100-FMA40-60	40	82	27	60
104.4150.70	HSK-A100-FMA50-70	50	95	40	70

应用范围: 用于夹持带径向驱动槽的铣刀, 如面铣刀
交货内容: 压紧螺栓 (经动平衡处理)
相关配件: 压紧螺栓、扳手、冷却导管

Use: For holding like shell mill cutters
Delivery range: Locknut (balanced)
Accessories: stretching screw, wrench, coolant tubes



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



HSK-A-弹性快换攻丝卡头

Order No. 货号	Size 规格	d	D	攻牙范围	A 有效长度	
64.6016.105	HSK-A63-M2/M16-105-Gr.1	19	47	M2-M16	105	
64.6030.140	HSK-A63-M6/M30-140-Gr.2	31	61	M6-M30	140	
104.6016.110	HSK-A100-M2/M16-110-Gr.1	19	47	M2-M16	110	
104.6030.120	HSK-A100-M6/M30-120-Gr.2	31	61	M6-M30	120	
104.6048.140	HSK-A100-M24/M48-140-Gr.2	48	82	M24-M48	140	

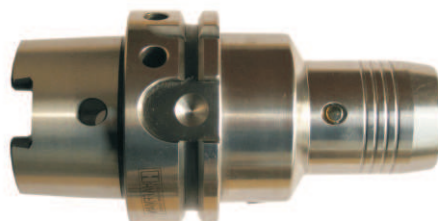
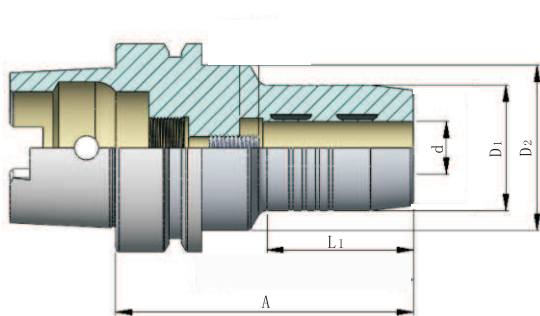
应用范围: 用于螺纹攻丝, 轴向长度可调整(弹性攻丝)

相关配件: 快换夹头

Use: For tapping preferably. Axial length compensation on tension and pressure.
Accessories: Quick change chuck



HSK-A Hydraulic Chuck / HSK-A 液压刀柄



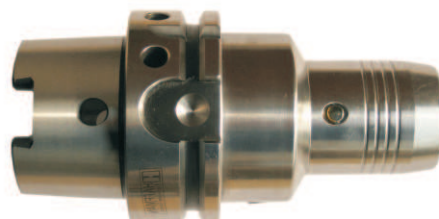
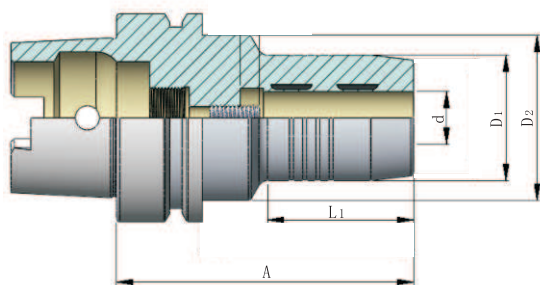
G2.5 25,000min⁻¹

2.5Xd ≤ 0.005

HSK-A-液压刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L ₁	A 有效长度	
54.7006.70	HSK-A50-HC6-70	6	28	42	28	70	
54.7008.70	HSK-A50-HC8-70	8	32	42	28	70	
54.7010.80	HSK-A50-HC10-80	10	32	42	28	80	
54.7012.85	HSK-A50-HC12-85	12	38	42	42	85	
54.7016.90	HSK-A50-HC16-90	16	40	42	45	90	
54.7018.90	HSK-A50-HC18-90	18	42	42	—	90	
54.7020.90	HSK-A50-HC20-90	20	42	42	—	90	
64.7003.65	HSK-A63-HC3-65	3	25	46	19	65	
64.7006.80	HSK-A63-HC6-80	6	32	48	32	80	
64.7008.80	HSK-A63-HC8-80	8	34	50	32	80	
64.7010.80	HSK-A63-HC10-80	10	36	52.5	32	80	
64.7012.80	HSK-A63-HC12-80	12	38	52.5	32	80	
64.7016.90	HSK-A63-HC16-90	16	42	52.5	41	90	
64.7020.90	HSK-A63-HC20-90	20	46	52.5	41	90	
64.7025.120	HSK-A63-HC25-120	25	53	63	55.5	120	
64.7032.125	HSK-A63-HC32-125	32	60	75	60.5	125	

HSK-A Hydraulic Chuck / HSK-A 液压刀柄



G2.5 25,000min⁻¹

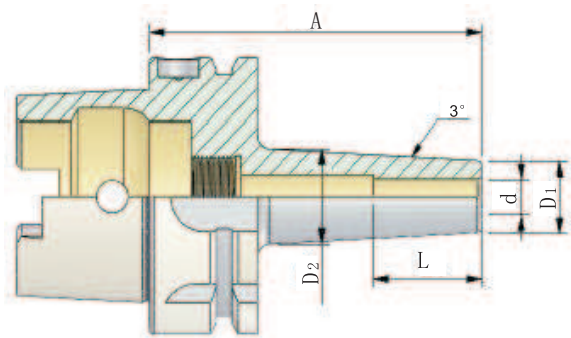
2.5Xd ≤ 0.005

HSK-A-液压刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L ₁	A 有效长度	
104.7006.85	HSK-A100-HC6-85	6	32	50	30	85	
104.7006.150	HSK-A100-HC6-150	6	32	50	30	150	
104.7008.85	HSK-A100-HC8-85	8	34	50	30	85	
104.7008.150	HSK-A100-HC8-150	8	34	50	30	150	
104.7010.90	HSK-A100-HC10-90	10	36	52	34	90	
104.7010.150	HSK-A100-HC10-150	10	36	52	34	150	
104.7012.95	HSK-A100-HC12-95	12	38	52	38	95	
104.7012.150	HSK-A100-HC12-150	12	38	52	38	150	
104.7016.100	HSK-A100-HC16-100	16	42	58	40	100	
104.7016.150	HSK-A100-HC16-150	16	42	58	40	150	
104.7018.100	HSK-A100-HC18-105	18	42	58	30	105	
104.7020.105	HSK-A100-HC20-105	20	46	60	45	105	
104.7020.150	HSK-A100-HC20-150	20	46	60	45	150	
104.7025.110	HSK-A100-HC25-110	25	53	63	55.5	110	
104.7032.110	HSK-A100-HC32-110	32	62	75	55.5	110	



HSK-A40 3° Shrink / HSK-A40 3° 热缩刀柄



G2.5 25,000min⁻¹

4Xd ≤ 0.005

HSK-A40 3° 热缩刀柄

Order No. 货号	Size 规格	d 夹持直径	D1	D2	L	A 有效长度	
44.8103.60	HSK-A40-SF3-60	3	9	19	9	60	
44.8103.120	HSK-A40-SF3-120					120	
44.8104.60	HSK-A40-SF4-60	4	10	20	12	60	
44.8104.120	HSK-A40-SF4-120					120	
44.8105.60	HSK-A40-SF5-60	5	11	21	15	60	
44.8105.120	HSK-A40-SF5-120					120	
44.8106.80	HSK-A40-SF6-80	6	12	22	25	80	
44.8106.120	HSK-A40-SF6-120					120	
44.8108.80	HSK-A40-SF8-80	8	14	24		80	
44.8108.120	HSK-A40-SF8-120					120	
44.8110.80	HSK-A40-SF10-80	10	16	26	32	80	
44.8110.120	HSK-A40-SF10-120					120	
44.8112.90	HSK-A40-SF12-90	12	18	28	38	90	
44.8112.120	HSK-A40-SF12-120					120	

应用范围: 装夹迅速, 夹持力大, 高速切削。

适用于夹持高速钢HSS和硬质合金圆柱柄刀具。

直径为Ø3, Ø4和Ø5的被夹持刀具的柄部公差

要求达到h4, 直径为Ø6~Ø32的被夹持柄部公

差要求达到h6

相关配件: 延长杆、冷却导管



Use: For mounting straight-shank tools

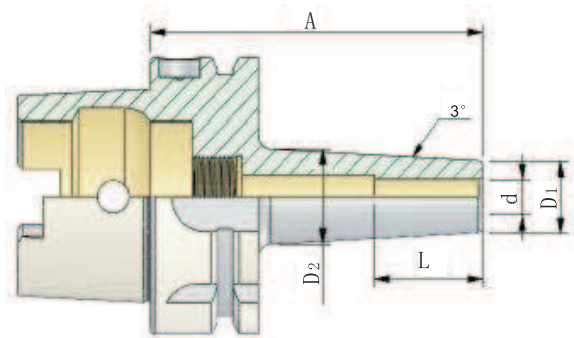
Note: Toolholders suitable for induction-, contact- and hot air shrink units.

Ø3, 4, 5 with h4-tolerance and Ø6-Ø32 with h6-tolerance

Accessories: Extension Chuck

TOOL HOLDER / 刀柄 DIN 69893-1 (HSK-A)

HSK-A50 3 ° Shrink / HSK-A50 3 ° 热缩刀柄



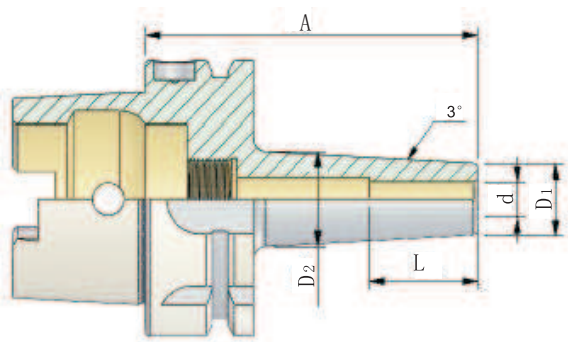
G2.5 25,000min⁻¹

4Xd $\leq$ 0.005

HSK-A50 3° 热缩刀柄

Order No. 货号	Size 规格	d 夹持直径	D1	D2	L	A 有效长度	
54.8104.60	HSK-A50-SF4-60	4	9	18.6	12	60	
54.8105.60	HSK-A50-SF5-60	5	10	19.6	15		
54.8106.60	HSK-A50-SF6-60	6	11				
54.8108.80	HSK-A50-SF8-80	8	12	21.6	25	80	
54.8108.120	HSK-A50-SF8-120					120	
54.8110.80	HSK-A50-SF10-80	10	14	23.6	32	80	
54.8110.120	HSK-A50-SF10-120					120	
54.8112.85	HSK-A50-SF12-85	12	16	25.6	38	85	
54.8112.120	HSK-A50-SF12-120					120	
54.8114.90	HSK-A50-SF14-90	14	18	27.6		90	
54.8114.120	HSK-A50-SF14-120					120	
54.8116.90	HSK-A50-SF16-90	16	20	29.6	40	90	
54.8116.12	HSK-A50-SF16-120					120	
54.8118.95	HSK-A50-SF18-95	18	22	31.6	42	95	
54.8118.120	HSK-A50-SF18-120					120	
54.8120.100	HSK-A50-SF20-100	20			44	100	
54.8120.120	HSK-A50-SF20-120					120	

HSK-A63 3° Shrink / HSK-A63 3° 热缩刀柄



G2.5 25,000min⁻¹

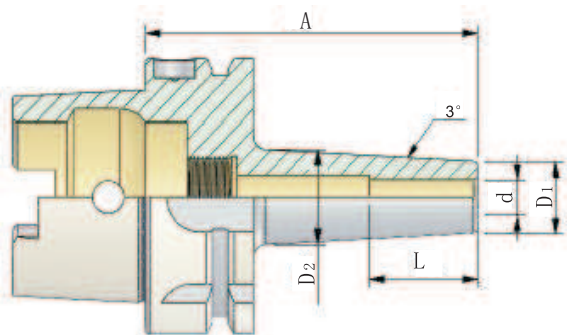
4Xd ↗ ≤ 0.005

HSK-A63 3° 液压刀柄

Order No. 货号	Size 规格	d 夹持直径	D1	D2	L	A 有效长度	
64.8104.80	HSK-A63-SF4-80	4	10	18.1	12	80	
64.8105.80	HSK-A63-SF5-80	5	11	19.1	15	80	
64.8106.80	HSK-A63-SF6-80	6	12	20.1	25	80	
64.8108.80	HSK-A63-SF8-80	8	14	22.1	25	80	
64.8108.120	HSK-A63-SF8-120	8	14	22.1	25	120	
64.8110.80	HSK-A63-SF10-80	10	16	24.1	32	85	
64.8110.120	HSK-A63-SF10-120	10	16	24.1	32	120	
64.8112.90	HSK-A63-SF12-90	12	18	26.1	38	90	
64.8112.120	HSK-A63-SF12-120	12	18	26.1	38	120	
64.8114.90	HSK-A63-SF14-90	14	20	28.1	38	90	
64.8114.120	HSK-A63-SF14-120	14	20	28.1	38	120	
64.8116.95	HSK-A63-SF16-95	16	22	30.1	40	95	
64.8116.120	HSK-A63-SF16-120	16	22	30.1	40	120	
64.8118.95	HSK-A63-SF18-95	18	24	32.1	42	95	
64.8118.120	HSK-A63-SF18-120	18	24	32.1	42	120	

TOOL HOLDER / 刀柄 DIN 69893-1 (HSK-A)

HSK-A63 3° Shrink / HSK-A63 3° 热缩刀柄



G2.5 25,000min⁻¹

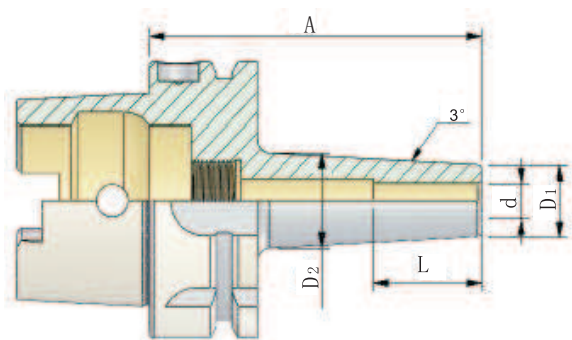
4Xd ≤ 0.005

HSK-A63 3° 液压刀柄

Order No. 货号	Size 规格	d 夹持直径	D1	D2	L	A 有效长度	
64.8120.100	HSK-A63-SF20-100	20	26	34.1	44	100	
64.8120.120	HSK-A63-SF20-120					120	
104.8106.85	HSK-A100-SF6-85	6	12	24.8	25	85	
104.8106.130	HSK-A100-SF6-130					8	14
104.8108.85	HSK-A100-SF8-85	32	85				
104.8108.130	HSK-A100-SF8-130		130				
104.8110.90	HSK-A100-SF10-90	10	16		38		
104.8110.130	HSK-A100-SF10-130					130	
104.8112.95	HSK-A100-SF12-95	12	18		40	95	
104.8112.130	HSK-A100-SF12-130					130	
104.8114.95	HSK-A100-SF14-95	14	20			95	
104.8114.130	HSK-A100-SF14-130					130	
104.8116.100	HSK-A100-SF16-100	16	22		40	95	
104.8116.130	HSK-A100-SF16-130					130	

DIN 69893 (HSK)

HSK-A100 3° Shrink / HSK-A100 3° 热缩刀柄



G2.5 25,000min⁻¹

4Xd ↗ ≤ 0.005

HSK-A63 3° 热缩刀柄

Order No. 货号	Size 规格	d 夹持直径	D1	D2	L	A 有效长度	
104.8118.100	HSK-A100-SF18-100	18	24	39.2	42	100	
104.8118.130	HSK-A100-SF18-130					130	
104.8120.105	HSK-A100-SF20-105	20	26		44	105	
104.8120.130	HSK-A100-SF20-130					130	
104.8125.115	HSK-A100-SF25-115	25	31		50	115	
104.8125.130	HSK-A100-SF25-130					130	
104.8132.120	HSK-A100-SF32-120	32	38			120	
104.8132.150	HSK-A100-SF32-150					150	

应用范围: 装夹迅速, 夹紧力大, 高速切削。

适用于夹持高速钢HSS和硬质合金圆柱柄刀具。
直径为Ø3, Ø4和Ø5的被夹持刀具的柄部公差要求达到h4, 直径为Ø6~Ø32的被夹持柄部公差要求达到h6

相关配件: 延长杆、冷却导管

Use: For mounting straight-shank tools
Note: Toolholders suitable for induction-, contact- and hot air shrink units.
Ø3, 4, 5 with h4-tolerance and Ø6-Ø32 with h6-tolerance

Accessories: Extension Chuck



TOOL HOLDER / 刀柄 DIN 69893-5 (HSK-E)



ER弹簧夹头刀柄 ————— 3.21



侧固式铣刀柄 ————— 3.22



面铣刀柄 ————— 3.24

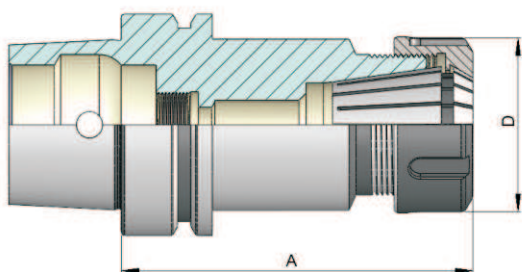


液压刀柄 ————— 3.25



热缩刀柄 ————— 3.26

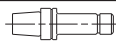
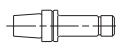
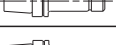
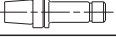
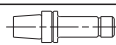
HSK-E Collet Chuck ER / HSK - E - ER 弹簧夹头刀柄



G2.5 25,000min⁻¹

≤ 0.003

HSK-E-ER弹簧夹头刀柄

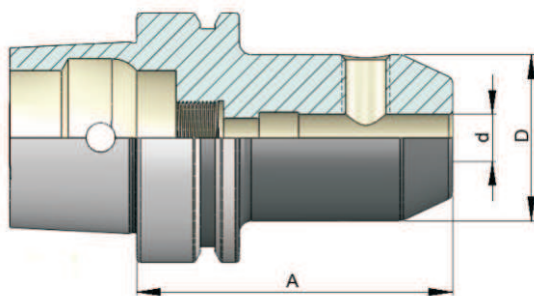
Order No. 货号	Size 规格	Capacity 夹持范围	D 螺帽外径	A 有效长度	
35.1025.75	HSK-E32-ER25-85	1-16	35	75	
35.1032.85	HSK-E32-ER32-85	2-20	50	85	
45.1016.65	HSK-E40-ER16-65	1-10	28	65	
45.1025.75	HSK-E40-ER25-75	1-16	42	75	
45.1032.75	HSK-E40-ER32-75	2-20	50	75	
55.1016.60	HSK-E50-ER16-60	1-10	28	60	
55.1025.80	HSK-E50-ER25-80	1-16	42	80	
55.1032.80	HSK-E50-ER32-85	2-20	50	80	
55.1040.85	HSK-E50-ER40-100	3-26	63	85	
65.1025.75	HSK-E63-ER25-80	1-16	42	75	
65.1032.80	HSK-E63-ER32-80	2-20	50	80	
65.1040.90	HSK-E63-ER40-90	3-26	63	90	
65.1016.120	HSK-E63-ER16-75	1-10	28	120	

相关配件: 扳手, ER夹头, 冷却导管



TOOL HOLDER / 刀柄 DIN 69893-5 (HSK-E)

HSK-E Weldon Toolholder (Side Lock) / HSK - E - 侧固式铣刀柄



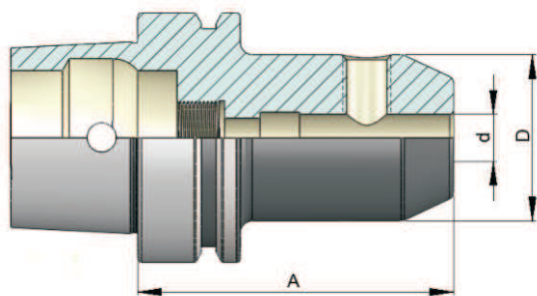
G2.5 25,000min⁻¹

≤ 0.003

HSK-E-侧固式铣刀柄

Order No. 货号	Size 规格	d	D 螺帽外径	A 有效长度	
65.2006.65	HSK-E63-6-80	6	15	65	
65.2008.65	HSK-E63-8-80	8	20	65	
65.2010.65	HSK-E63-10-80	10	25	65	
65.2012.80	HSK-E63-12-80	12	30	80	
65.2014.80	HSK-E63-14-80	14	32	80	
65.2016.80	HSK-E63-16-80	16	36	80	
65.2018.80	HSK-E63-18-80	18	38	80	
65.2020.80	HSK-E63-20-80	20	40	80	
65.2025.110	HSK-E63-25-110	25	46	110	
65.2032.110	HSK-E63-32-110	32	64	110	

HSK-E Weldon Toolholder (Side Lock) / HSK - E -侧固式铣刀柄



G2.5 25,000min⁻¹

≤ 0.003

HSK-E-侧固式铣刀柄

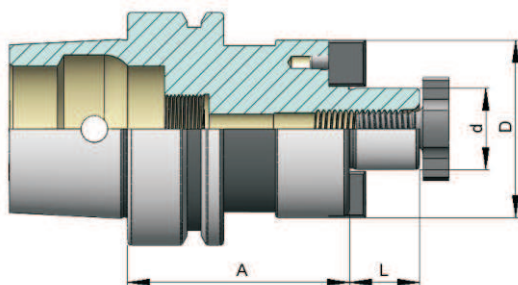
Order No. 货号	Size 规格	d	D 螺帽外径	A 有效长度
55.2006.65	HSK-E50-6-65	6	25	65
55.2008.65	HSK-E50-8-65	8	28	65
55.2010.65	HSK-E50-10-65	10	35	65
55.2012.80	HSK-E50-12-80	12	42	80
55.2014.75	HSK-E50-14-80	14	44	80
55.2016.80	HSK-E50-16-80	16	58	80
55.2018.80	HSK-E50-18-80	18	50	80
55.2020.80	HSK-E50-20-80	20	52	80

应用范围: 用来加工成特殊刀柄
技术信息: A型中心不通水

Use: For manufacturing special tools holder
Information: Form A without central coolant supply

TOOL HOLDER / 刀柄 DIN 69893-5 (HSK-E)

HSK-E Sell Mill Toolholder / HSK - E - 面铣刀柄



G2.5 15,000min⁻¹

≤ 0.003

HSK-E-面铣刀柄

Order No. 货号	Size 规格	d	L	D 螺帽外径	A 有效长度	
45.4116.50	HSK-E40-16-50	16	17	34	50	
45.4122.50	HSK-E40-22-50	22	19	48	50	
45.4127.55	HSK-E40-27-55	27	21	60	55	
55.4116.50	HSK-E50-16-50	16	17	38	50	
55.4122.60	HSK-E50-22-60	22	19	48	60	
55.4127.60	HSK-E50-27-60	27	21	58	60	
65.4116.50	HSK-E63-16-50	16	17	38	50	
65.4122.60	HSK-E63-22-60	22	19	48	60	
65.4127.60	HSK-E63-27-60	27	21	58	60	
65.4132.60	HSK-E63-32-60	32	24	65	60	

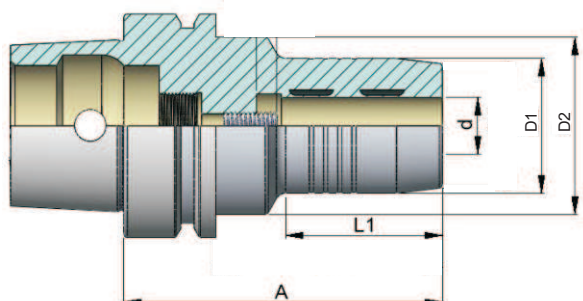
DIN 69893 (HSK)

应用范围: 用来加工成特殊刀柄
 技术信息: A型中心不通水
 相关配件: 扳手,压紧螺栓,冷却导管

Use: For manufacturing speical tools holder
 Information: Form A without central coolant supply,
 coolant tubes



HSK-E Hydraulic Chuck / HSK - E - 液压刀柄



G2.5 25,000min⁻¹

2.5Xd ≤ 0.005

HSK-E 液压刀柄

Order No. 货号	Size 规格	d 夹持直径	D ₁	D ₂	L ₁	A 有效长度	
45.7006.70	HSK-E40-HC6-70	6	28	34	33	70	
45.7008.70	HSK-E40-HC8-70	8	30	34	34		
45.7010.75	HSK-E40-HC10-75	10	32	34	39	75	
45.7012.80	HSK-E40-HC12-80	12	34	34	—	80	
55.7006.70	HSK-E50-HC6-70	6	30	42	25.5	70	
55.7008.70	HSK-E50-HC8-70	8	32	42	26		
55.7012.85	HSK-E50-HC12-85	12	36	42	40	85	
55.7016.90	HSK-E50-HC16-90	16	40	42	43	90	
55.7020.90	HSK-E50-HC20-90	20	42	42	—		
55.7020.120	HSK-E50-HC20-120	20	42	42	—	120	

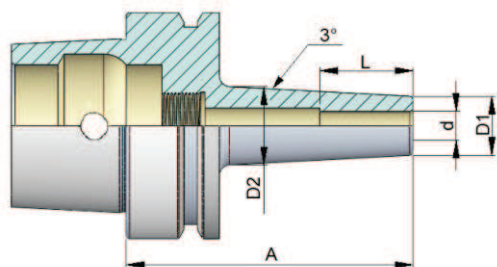
*同时有AD/B的冷却方式供选择，如货号为64.7010.150.1是AD的冷却方式
货号为51.7010.150.2是AD/B的冷却方式

应用范围: 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
相关配件: 液压减径套、冷却导管

Use: 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
Accessories: reduction sleeves、coolant tubes



HSK-E40 3° 热缩刀柄



G2.5 40,000min⁻¹

4Xd ↗ ≤ 0.005

HSK-E50 3° 热缩刀柄

Order No. 货号	Size 规格	d 夹持直径	D1	D2	L	A 有效长度	
45.8103.60	HSK-E40-SF3-60	3	9	19	9	60	
45.8103.120	HSK-E40-SF3-120					120	
45.8104.60	HSK-E40-SF4-60	4	10	20	12	60	
45.8104.120	HSK-E40-SF4-120					120	
45.8105.60	HSK-E40-SF5-60	5	11	21	15	60	
45.8105.120	HSK-E40-SF5-120					120	
45.8106.80	HSK-E40-SF6-80	6	12	22	25	80	
45.8106.120	HSK-E40-SF6-120					120	
45.8108.80	HSK-E40-SF8-80	8	14	24		80	
45.8108.120	HSK-E40-SF8-120					120	
45.8110.80	HSK-E40-SF10-80	10	16	26	32	80	
45.8110.120	HSK-E40-SF10-120					120	
45.8112.90	HSK-E40-SF12-90	12	18	28	38	90	
45.8112.120	HSK-E40-SF12-120					120	
55.8104.70	HSK-E50-SF4-70	4	9	18.6	12	60	
55.8105.70	HSK-E50-SF5-70	5	10	19.6	15		

应用范围: 装夹迅速, 夹紧力大, 高速切削。
适用于夹持高速钢HSS和硬质合金圆柱柄刀具。
直径为Ø3, Ø4和Ø5的被夹持刀具的柄部公差要求达到h4, 直径为Ø6~Ø32的被夹持柄部公差要求达到h6

相关配件: 延长杆、冷却导管

Use: For mounting straight-shank tools
Note: Toolholders suitable for induction-, contact- and hot air shrink units.
Ø3, 4, 5 with h4-tolerance and Ø6-Ø32 with h6-tolerance

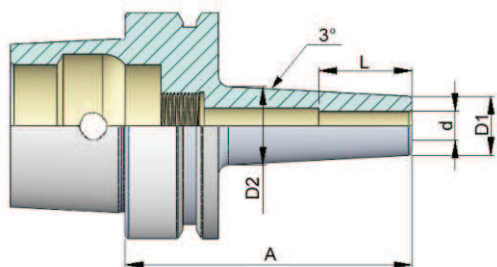


4.68-4.69



4.56

HSK-E50 3° 热缩刀柄



G2.5 40,000min⁻¹

≤ 0.003

HSK-E50 3° 热缩刀柄

Order No. 货号	Size 规格	d 夹持直径	D1	D2	L	A 有效长度	
55.8106.70	HSK-E50-SF6-70	6	12	——	25	70	
55.8108.70	HSK-E50-SF8-70	8	12	21.6		70	
55.8108.120	HSK-E50-SF8-120					120	
55.8110.80	HSK-E50-SF10-80	10	14	23.6	32	80	
55.8110.120	HSK-E50-SF10-120					120	
55.8112.80	HSK-E50-SF12-80	12	16	25.6	38	80	
55.8112.120	HSK-E50-SF12-120					100	
55.8114.90	HSK-E50-SF14-90	14	18	27.6		90	
55.8114.120	HSK-E50-SF14-120					120	
55.8116.90	HSK-E50-SF16-90	16	20	29.6	40	90	
55.8116.120	HSK-E50-SF16-120					120	
55.8118.95	HSK-E50-SF18-95	18	22	31.6	42	95	
55.8118.120	HSK-E50-SF18-120					120	
55.8120.100	HSK-E50-SF20-100	20			44	100	
55.8120.120	HSK-E50-SF20-120					120	

应用范围: 装夹迅速, 夹紧力大, 高速切削。

适用于夹持高速钢HSS和硬质合金圆柱柄刀具。
直径为Ø3, Ø4和Ø5的被夹持刀具的柄部公差要求达到h4, 直径为Ø6~Ø32的被夹持柄部公差要求达到h6

相关配件: 延长杆、冷却导管

Use: For mounting straight-shank tools

Note: Toolholders suitable for induction-, contact- and hot air shrink units.
Ø3,4,5 with h4-tolerance and Ø6-Ø32 with h6-tolerance





弹簧夹头 ————— 4.03



拉钉 ————— 4.34



夹紧螺母 ————— 4.38



扳手 ————— 4.40



攻丝夹头 ————— 4.42



液压刀柄减径套 ————— 4.49



镗刀减径套 ————— 4.53



十字螺栓 ————— 4.54



冷却管导套 ————— 4.56



驱动环 ————— 4.57



直柄接杆/变径杆 ————— 4.58



莫氏ER接杆 ————— 4.61



R8锥柄铣刀杆 ————— 4.62



R8 钻接杆 ————— 4.63



莫氏柄钻接杆 ————— 4.64



莫氏带扁尾减径套 ————— 4.66



直柄弹性快换攻丝刀柄 ————— 4.67



热缩延长杆 ————— 4.68



钻夹头 ————— 4.70



锁刀座 ————— 4.72



寻边器 ————— 4.74

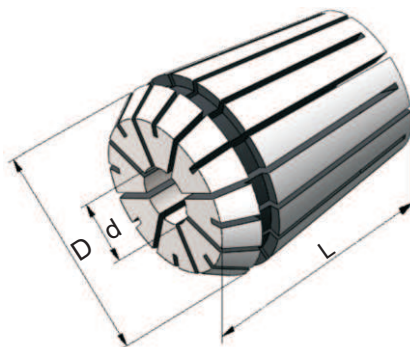


顶尖 ————— 4.75



平口钳 ————— 4.83

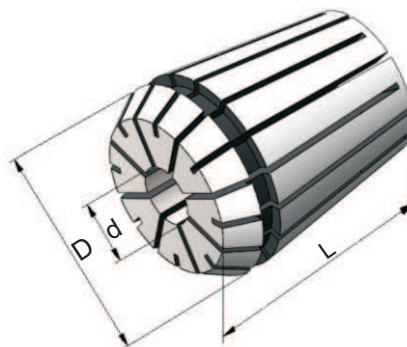
DIN 6499 B Collets ER / ER 弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1008.0001	ER8-01	0.5-1.0	8	13.5
1008.00015	ER8-015	1.0-1.5	8	13.5
1008.0002	ER8-02	1.5-2.0	8	13.5
1008.00025	ER8-025	2.0-2.5	8	13.5
1008.0003	ER8-03	2.5-3.0	8	13.5
1008.00035	ER8-035	3.0-3.5	8	13.5
1008.0004	ER8-04	3.5-4.0	8	13.5
1008.00045	ER8-045	4.0-4.5	8	13.5
1008.0005	ER8-05	4.5-5.0	8	13.5

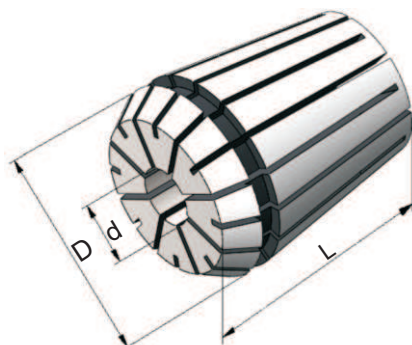
DIN 6499 B Collets ER / ER弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1011.0001	ER11-01	0.5-1.0	11.5	18
1011.00015	ER11-015	1.0-1.5	11.5	18
1011.0002	ER11-02	1.5-2.0	11.5	18
1011.00025	ER11-025	2.0-2.5	11.5	18
1011.0003	ER11-03	2.5-3.0	11.5	18
1011.00035	ER11-035	3.0-3.5	11.5	18
1011.0004	ER11-04	3.5-4.0	11.5	18
1011.00045	ER11-045	4.0-4.5	11.5	18
1011.0005	ER11-05	4.5-5.0	11.5	18
1011.00055	ER11-055	5.0-5.5	11.5	18
1011.0006	ER11-06	5.5-6.0	11.5	18
1011.00065	ER11-065	6.0-6.5	11.5	18
1011.0007	ER11-07	6.5-7.0	11.5	18

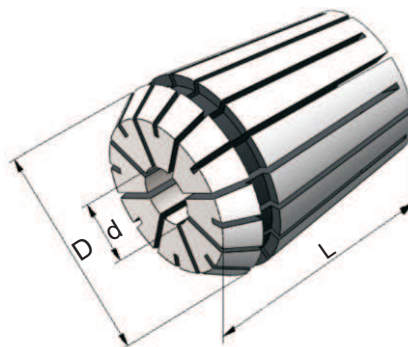
DIN 6499 B Collets / 高精精密ER弹簧夹头



precision
高精精密型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1011P.0001	ER11-01-P	0.5-1.0	11	13.5
1011P.00015	ER11-015-P	1.0-1.5	11	13.5
1011P.0002	ER11-02-P	1.5-2.0	11	13.5
1011P.00025	ER11-025-P	2.0-2.5	11	13.5
1011P.0003	ER11-03-P	2.5-3.0	11	13.5
1011P.00035	ER11-035-P	3.0-3.5	11	13.5
1011P.0004	ER11-04-P	3.5-4.0	11	13.5
1011P.00045	ER11-045-P	4.0-4.5	11	13.5
1011P.0005	ER11-05-P	4.5-5.0	11	13.5
1011P.00055	ER11-055-P	5.0-5.5	11	13.5
1011P.0006	ER11-06-P	5.5-6.0	11	13.5
1011P.00065	ER11-065-P	6.0-6.5	11	13.5
1011P.0007	ER11-07-P	6.5-7.0	11	13.5

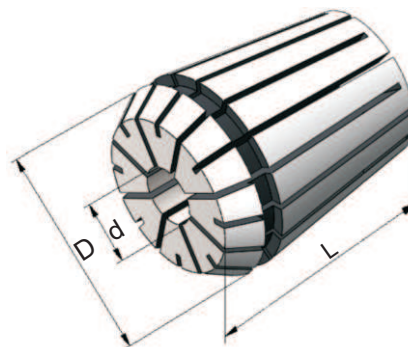
DIN 6499 B Collets ER / ER 弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1016.0001	ER16-01	0.5-1	17	27
1016.0002	ER16-02	1-2	17	27
1016.0003	ER16-03	2-3	17	27
1016.0004	ER16-04	3-4	17	27
1016.0005	ER16-05	4-5	17	27
1016.0006	ER16-06	5-6	17	27
1016.0007	ER16-07	6-7	17	27
1016.0008	ER16-08	7-8	17	27
1016.0009	ER16-09	8-9	17	27
1016.0010	ER16-10	9-10	17	27

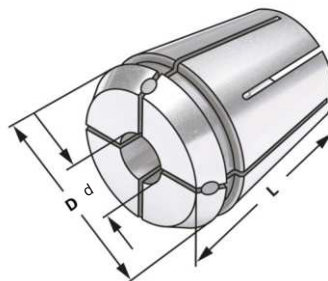
DIN 6499 B Collets ER / 高精密ER弹簧夹头



precision
高精密型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1016P.0001	ER16-01-P	0.5-1	16	27.5
1016P.0002	ER16-02-P	1-2	16	27.5
1016P.0003	ER16-03-P	2-3	16	27.5
1016P.0004	ER16-04-P	3-4	16	27.5
1016P.0005	ER16-05-P	4-5	16	27.5
1016P.0006	ER16-06-P	5-6	16	27.5
1016P.0007	ER16-07-P	6-7	16	27.5
1016P.0008	ER16-08-P	7-8	16	27.5
1016P.0009	ER16-09-P	8-9	16	27.5
1016P.0010	ER16-10-P	9-10	16	27.5

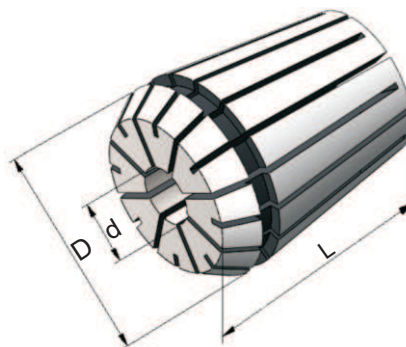
DIN 6499 B Collets ER / 内冷ER弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1016I.0003	ER16-03-IC	2-3	16	27.5
1016I.0004	ER16-04-IC	3-4	16	27.5
1016I.0005	ER16-05-IC	4-5	16	27.5
1016I.0006	ER16-06-IC	5-6	16	27.5
1016I.0007	ER16-07-IC	6-7	16	27.5
1016I.0008	ER16-08-IC	7-8	16	27.5
1016I.0009	ER16-09-IC	8-9	16	27.5
1016I.0010	ER16-10-IC	9-10	16	27.5

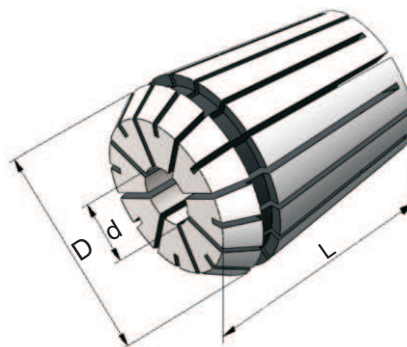
DIN 6499 B Collets ER / ER 弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1020.0002	ER20-02	1.5-2	21	31.5
1020.0003	ER20-03	2-3	21	31.5
1020.0004	ER20-04	3-4	21	31.5
1020.0005	ER20-05	4-5	21	31.5
1020.0006	ER20-06	5-6	21	31.5
1020.0007	ER20-07	6-7	21	31.5
1020.0008	ER20-08	7-8	21	31.5
1020.0009	ER20-09	8-9	21	31.5
1020.0010	ER20-10	9-10	21	31.5
1020.0011	ER20-11	10-11	21	31.5
1020.0012	ER20-12	11-12	21	31.5
1020.0013	ER20-13	12-13	21	31.5

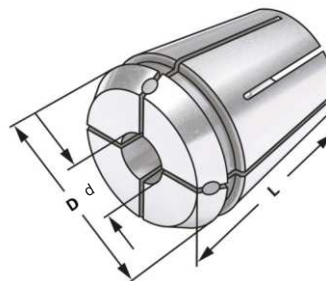
DIN 6499 B Collets ER / 高精ER弹簧夹头



precision
高精型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1020P.0001	ER20-01-P	0.5-1	20	31.5
1020P.0002	ER20-02-P	1-2	20	31.5
1020P.0003	ER20-03-P	2-3	20	31.5
1020P.0004	ER20-04-P	3-4	20	31.5
1020P.0005	ER20-05-P	4-5	20	31.5
1020P.0006	ER20-06-P	5-6	20	31.5
1020P.0007	ER20-07-P	6-7	20	31.5
1020P.0008	ER20-08-P	7-8	20	31.5
1020P.0009	ER20-09-P	8-9	20	31.5
1020P.0010	ER20-10-P	9-10	20	31.5
1020P.0011	ER20-11-P	10-11	20	31.5
1020P.0012	ER20-12-P	11-12	20	31.5
1020P.0013	ER20-13-P	12-13	20	31.5

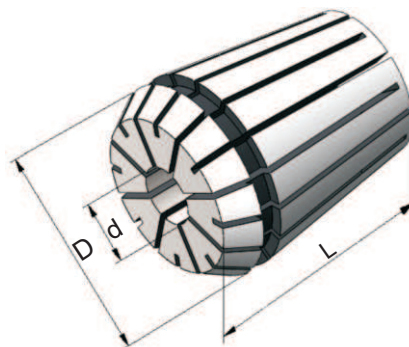
DIN 6499 B Collets ER / 内冷ER弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1020I.0003	ER20-03-IC	2-3	20	31.5
1020I.0004	ER20-04-IC	3-4	20	31.5
1020I.0005	ER20-05-IC	4-5	20	31.5
1020I.0006	ER20-06-IC	5-6	20	31.5
1020I.0007	ER20-07-IC	6-7	20	31.5
1020I.0008	ER20-08-IC	7-8	20	31.5
1020I.0009	ER20-09-IC	8-9	20	31.5
1020I.0010	ER20-10-IC	9-10	20	31.5
1020I.0011	ER20-11-IC	10-11	20	31.5
1020I.0012	ER20-12-IC	11-12	20	31.5
1020I.0013	ER20-13-IC	12-13	20	31.5

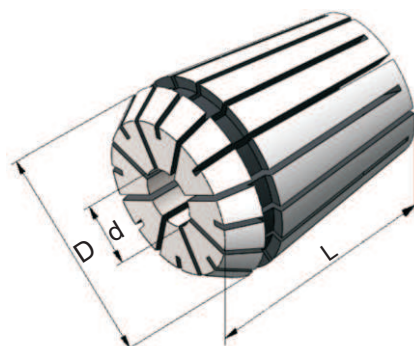
DIN 6499 B Collets ER / ER 弹簧夹头



standard
标准型

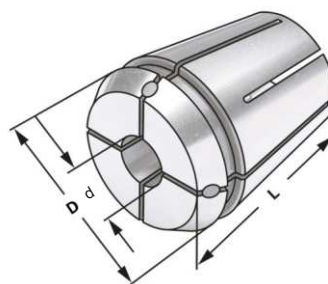
Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1025.0002	ER25-02	1.5-2	26	34
1025.0003	ER25-03	2-3	26	34
1025.0004	ER25-04	3-4	26	34
1025.0005	ER25-05	4-5	26	34
1025.0006	ER25-06	5-6	26	34
1025.0007	ER25-07	6-7	26	34
1025.0008	ER25-08	7-8	26	34
1025.0009	ER25-09	8-9	26	34
1025.0010	ER25-10	9-10	26	34
1025.0011	ER25-11	10-11	26	34
1025.0012	ER25-12	11-12	26	34
1025.0013	ER25-13	12-13	26	34
1025.0014	ER25-14	13-14	26	34
1025.0015	ER25-15	14-15	26	34
1025.0016	ER25-16	15-16	26	34

DIN 6499 B Collets ER / 高精ER弹簧夹头


precision
高精型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1025P.0002	ER25-02-P	1.5-2	25	34
1025P.0003	ER25-03-P	2-3	25	34
1025P.0004	ER25-04-P	3-4	25	34
1025P.0005	ER25-05-P	4-5	25	34
1025P.0006	ER25-06-P	5-6	25	34
1025P.0007	ER25-07-P	6-7	25	34
1025P.0008	ER25-08-P	7-8	25	34
1025P.0009	ER25-09-P	8-9	25	34
1025P.0010	ER25-10-P	9-10	25	34
1025P.0011	ER25-11-P	10-11	25	34
1025P.0012	ER25-12-P	11-12	25	34
1025P.0013	ER25-13-P	12-13	25	34
1025P.0014	ER25-14-P	13-14	25	34
1025P.0015	ER25-15-P	14-15	25	34
1025P.0016	ER25-16-P	15-16	25	34

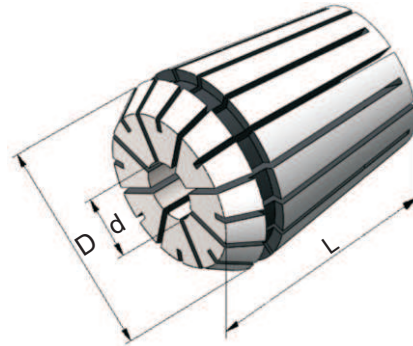
DIN 6499 B Collets ER / 内冷ER弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1025I.0003	ER25-03-IC	2-3	25	34
1025I.0004	ER25-04-IC	3-4	25	34
1025I.0005	ER25-05-IC	4-5	25	34
1025I.0006	ER25-06-IC	5-6	25	34
1025I.0007	ER25-07-IC	6-7	25	34
1025I.0008	ER25-08-IC	7-8	25	34
1025I.0009	ER25-09-IC	8-9	25	34
1025I.0010	ER25-10-IC	9-10	25	34
1025I.0011	ER25-11-IC	10-11	25	34
1025I.0012	ER25-12-IC	11-12	25	34
1025I.0013	ER25-13-IC	12-13	25	34
1025I.0014	ER25-14-IC	13-14	25	34
1025I.0015	ER25-15-IC	14-15	25	34
1025I.0016	ER25-16-IC	15-16	25	34

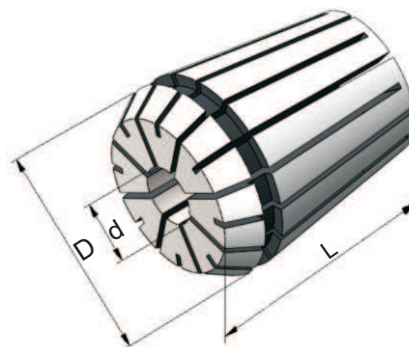
DIN 6499 B Collets ER / ER 弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1032.0002	ER32-02	1.5-2	33	40
1032.0003	ER32-03	2-3	33	40
1032.0004	ER32-04	3-4	33	40
1032.0005	ER32-05	4-5	33	40
1032.0006	ER32-06	5-6	33	40
1032.0007	ER32-07	6-7	33	40
1032.0008	ER32-08	7-8	33	40
1032.0009	ER32-09	8-9	33	40
1032.0010	ER32-10	9-10	33	40
1032.0011	ER32-11	10-11	33	40
1032.0012	ER32-12	11-12	33	40
1032.0013	ER32-13	12-13	33	40
1032.0014	ER32-14	13-14	33	40
1032.0015	ER32-15	14-15	33	40
1032.0016	ER32-16	15-16	33	40
1032.0017	ER32-17	16-17	33	40
1032.0018	ER32-18	17-18	33	40
1032.0019	ER32-19	18-19	33	40
1032.0020	ER32-20	19-20	33	40

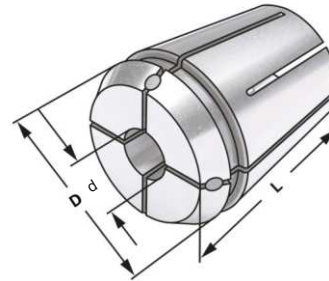
DIN 6499 B Collets ER / 高精ER弹簧夹头



precision
高精型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1040P.0003	ER40-03-P	2-3	40	46
1040P.0004	ER40-04-P	3-4	40	46
1040P.0005	ER40-05-P	4-5	40	46
1040P.0006	ER40-06-P	5-6	40	46
1040P.0007	ER40-07-P	6-7	40	46
1040P.0008	ER40-08-P	7-8	40	46
1040P.0009	ER40-09-P	8-9	40	46
1040P.0010	ER40-10-P	9-10	40	46
1040P.0011	ER40-11-P	10-11	40	46
1040P.0012	ER40-12-P	11-12	40	46
1040P.0013	ER40-13-P	12-13	40	46
1040P.0014	ER40-14-P	13-14	40	46
1040P.0015	ER40-15-P	14-15	40	46
1040P.0016	ER40-16-P	15-16	40	46
1040P.0017	ER40-17-P	16-17	40	46
1040P.0018	ER40-18-P	17-18	40	46
1040P.0019	ER40-19-P	18-19	40	46
1040P.0020	ER40-20-P	19-20	40	46

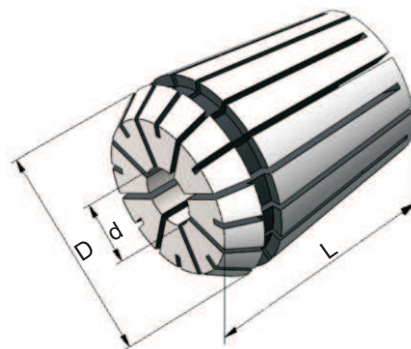
DIN 6499 B Collets ER / 内冷ER弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1032I.0003	ER32-03-IC	2-3	32	40
1032I.0004	ER32-04-IC	3-4	32	40
1032I.0005	ER32-05-IC	4-5	32	40
1032I.0006	ER32-06-IC	5-6	32	40
1032I.0007	ER32-07-IC	6-7	32	40
1032I.0008	ER32-08-IC	7-8	32	40
1032I.0009	ER32-09-IC	8-9	32	40
1032I.0010	ER32-10-IC	9-10	32	40
1032I.0011	ER32-11-IC	10-11	32	40
1032I.0012	ER32-12-IC	11-12	32	40
1032I.0013	ER32-13-IC	12-13	32	40
1032I.0014	ER32-14-IC	13-14	32	40
1032I.0015	ER32-15-IC	14-15	32	40
1032I.0016	ER32-16-IC	15-16	32	40
1032I.0017	ER32-17-IC	16-17	32	40
1032I.0018	ER32-18-IC	17-18	32	40
1032I.0019	ER32-19-IC	18-19	32	40
1032I.0020	ER32-20-IC	19-20	32	40

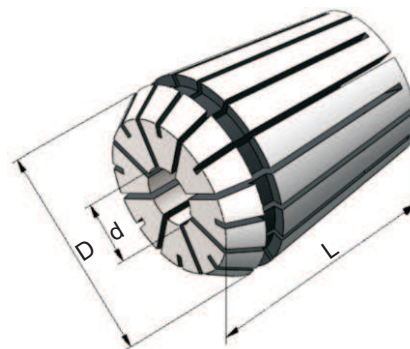
DIN 6499 B Collets ER / ER 弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1040.0003	ER40-03	2-3	41	46
1040.0004	ER40-04	3-4	41	46
1040.0005	ER40-05	4-5	41	46
1040.0006	ER40-06	5-6	41	46
1040.0007	ER40-07	6-7	41	46
1040.0008	ER40-08	7-8	41	46
1040.0009	ER40-09	8-9	41	46
1040.0010	ER40-10	9-10	41	46
1040.0011	ER40-11	10-11	41	46
1040.0012	ER40-12	11-12	41	46
1040.0013	ER40-13	12-13	41	46
1040.0014	ER40-14	13-14	41	46
1040.0015	ER40-15	14-15	41	46
1040.0016	ER40-16	15-16	41	46
1040.0017	ER40-17	16-17	41	46
1040.0018	ER40-18	17-18	41	46
1040.0019	ER40-19	18-19	41	46
1040.0020	ER40-20	19-20	41	46
1040.0021	ER40-21	20-21	41	46
1040.0022	ER40-22	21-22	41	46
1040.0023	ER40-23	22-23	41	46
1040.0024	ER40-24	23-24	41	46
1040.0025	ER40-25	24-25	41	46
1040.0026	ER40-26	25-26	41	46

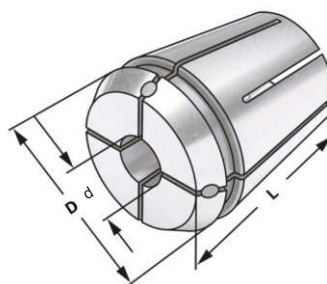
DIN 6499 B Collets ER / 高精ER弹簧夹头



precision
高精型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1040P.0003	ER40-03-P	2-3	40	46
1040P.0004	ER40-04-P	3-4	40	46
1040P.0005	ER40-05-P	4-5	40	46
1040P.0006	ER40-06-P	5-6	40	46
1040P.0007	ER40-07-P	6-7	40	46
1040P.0008	ER40-08-P	7-8	40	46
1040P.0009	ER40-09-P	8-9	40	46
1040P.0010	ER40-10-P	9-10	40	46
1040P.0011	ER40-11-P	10-11	40	46
1040P.0012	ER40-12-P	11-12	40	46
1040P.0013	ER40-13-P	12-13	40	46
1040P.0014	ER40-14-P	13-14	40	46
1040P.0015	ER40-15-P	14-15	40	46
1040P.0016	ER40-16-P	15-16	40	46
1040P.0017	ER40-17-P	16-17	40	46
1040P.0018	ER40-18-P	17-18	40	46
1040P.0019	ER40-19-P	18-19	40	46
1040P.0020	ER40-20-P	19-20	40	46
1040P.0021	ER40-21-P	20-21	40	46
1040P.0022	ER40-22-P	21-22	40	46
1040P.0023	ER40-23-P	22-23	40	46
1040P.0024	ER40-24-P	23-24	40	46
1040P.0025	ER40-25-P	24-25	40	46
1040P.0026	ER40-26-P	25-26	40	46

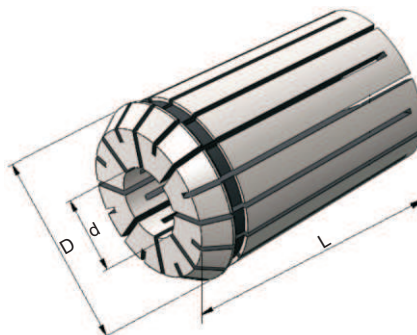
DIN 6499 B Collets ER / 内冷ER弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1040I.0003	ER40-03-IC	2-3	40	46
1040I.0004	ER40-04-IC	3-4	40	46
1040I.0005	ER40-05-IC	4-5	40	46
1040I.0006	ER40-06-IC	5-6	40	46
1040I.0007	ER40-07-IC	6-7	40	46
1040I.0008	ER40-08-IC	7-8	40	46
1040I.0009	ER40-09-IC	8-9	40	46
1040I.0010	ER40-10-IC	9-10	40	46
1040I.0011	ER40-11-IC	10-11	40	46
1040I.0012	ER40-12-IC	11-12	40	46
1040I.0013	ER40-13-IC	12-13	40	46
1040I.0014	ER40-14-IC	13-14	40	46
1040I.0015	ER40-15-IC	14-15	40	46
1040I.0016	ER40-16-IC	15-16	40	46
1040I.0017	ER40-17-IC	16-17	40	46
1040I.0018	ER40-18-IC	17-18	40	46
1040I.0019	ER40-19-IC	18-19	40	46
1040I.0020	ER40-20-IC	19-20	40	46
1040I.0021	ER40-21-IC	20-21	40	46
1040I.0022	ER40-22-IC	21-22	40	46
1040I.0023	ER40-23-IC	22-23	40	46
1040I.0024	ER40-24-IC	23-24	40	46
1040I.0025	ER40-25-IC	24-25	40	46
1040I.0026	ER40-26-IC	25-26	40	46

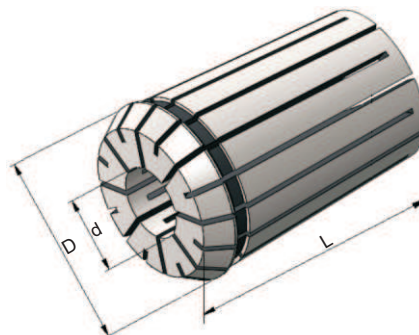
DIN 6388 B Collets OZ / OZ弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1116.0002	OZ16-02	1.5-2	25.5	40
1116.0003	OZ16-03	2.5-3	25.5	40
1116.0004	OZ16-04	3.5-4	25.5	40
1116.0005	OZ16-05	4.5-5	25.5	40
1116.0006	OZ16-06	5.5-6	25.5	40
1116.0007	OZ16-07	6.5-7	25.5	40
1116.0008	OZ16-08	7.5-8	25.5	40
1116.0009	OZ16-09	8.5-9	25.5	40
1116.0010	OZ16-10	9.5-10	25.5	40
1116.0011	OZ16-11	10.5-11	25.5	40
1116.0012	OZ16-12	11.5-12	25.5	40
1116.0013	OZ16-13	12.5-13	25.5	40
1116.0014	OZ16-14	13.5-14	25.5	40
1116.0015	OZ16-15	14.5-15	25.5	40
1116.0016	OZ16-16	15.5-16	25.5	40

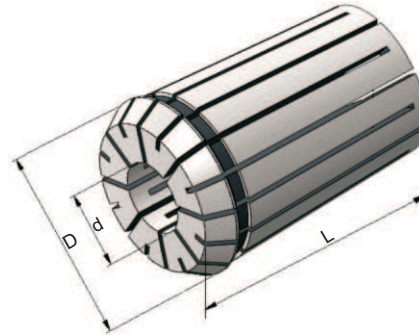
DIN 6388 B Collets OZ / OZ 弹簧夹头



precision
高精密型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1116P.0002	OZ16-02-P	1.5-2	25.5	40
1116P.0003	OZ16-03-P	2.5-3	25.5	40
1116P.0004	OZ16-04-P	3.5-4	25.5	40
1116P.0005	OZ16-05-P	4.5-5	25.5	40
1116P.0006	OZ16-06-P	5.5-6	25.5	40
1116P.0007	OZ16-07-P	6.5-7	25.5	40
1116P.0008	OZ16-08-P	7.5-8	25.5	40
1116P.0009	OZ16-09-P	8.5-9	25.5	40
1116P.0010	OZ16-10-P	9.5-10	25.5	40
1116P.0011	OZ16-11-P	10.5-11	25.5	40
1116P.0012	OZ16-12-P	11.5-12	25.5	40
1116P.0013	OZ16-13-P	12.5-13	25.5	40
1116P.0014	OZ16-14-P	13.5-14	25.5	40
1116P.0015	OZ16-15-P	14.5-15	25.5	40
1116P.0016	OZ16-16-P	15.5-16	25.5	40

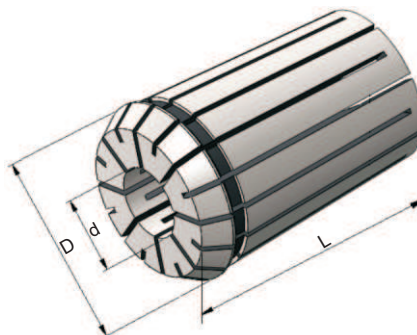
DIN 6388 B Collets OZ / OZ 弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1125.0002	OZ25-02	1.5-2	35.05	52
1125.0003	OZ25-03	2.5-3	35.05	52
1125.0004	OZ25-04	3.5-4	35.05	52
1125.0005	OZ25-05	4.5-5	35.05	52
1125.0006	OZ25-06	5.5-6	35.05	52
1125.0007	OZ25-07	6.5-7	35.05	52
1125.0008	OZ25-08	7.5-8	35.05	52
1125.0009	OZ25-09	8.5-9	35.05	52
1125.0010	OZ25-10	9.5-10	35.05	52
1125.0011	OZ25-11	10.5-11	35.05	52
1125.0012	OZ25-12	11.5-12	35.05	52
1125.0013	OZ25-13	12.5-13	35.05	52
1125.0014	OZ25-14	13.5-14	35.05	52
1125.0015	OZ25-15	14.5-15	35.05	52
1125.0016	OZ25-16	15.5-16	35.05	52
1125.0017	OZ25-17	16.5-17	35.05	52
1125.0018	OZ25-18	17.5-18	35.05	52
1125.0019	OZ25-19	18.5-19	35.05	52
1125.0020	OZ25-20	19.5-20	35.05	52
1125.0021	OZ25-21	20.5-21	35.05	52
1125.0022	OZ25-22	21.5-22	35.05	52
1125.0023	OZ25-23	22.5-23	35.05	52
1125.0024	OZ25-24	23.5-24	35.05	52
1125.0025	OZ25-25	24.5-25	35.05	52

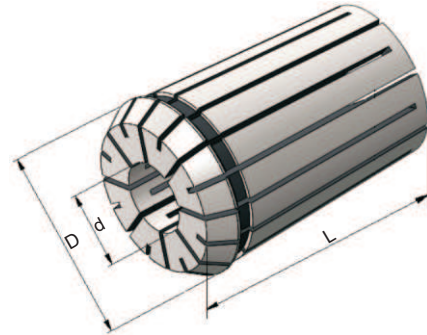
DIN 6388 B Collets OZ / 高精精密OZ弹簧夹头



precision
高精精密型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1125P.0002	OZ25-02-P	1.5-2	35.05	52
1125P.0003	OZ25-03-P	2.5-3	35.05	52
1125P.0004	OZ25-04-P	3.5-4	35.05	52
1125P.0005	OZ25-05-P	4.5-5	35.05	52
1125P.0006	OZ25-06-P	5.5-6	35.05	52
1125P.0007	OZ25-07-P	6.5-7	35.05	52
1125P.0008	OZ25-08-P	7.5-8	35.05	52
1125P.0009	OZ25-09-P	8.5-9	35.05	52
1125P.0010	OZ25-10-P	9.5-10	35.05	52
1125P.0011	OZ25-11-P	10.5-11	35.05	52
1125P.0012	OZ25-12-P	11.5-12	35.05	52
1125P.0013	OZ25-13-P	12.5-13	35.05	52
1125P.0014	OZ25-14-P	13.5-14	35.05	52
1125P.0015	OZ25-15-P	14.5-15	35.05	52
1125P.0016	OZ25-16-P	15.5-16	35.05	52
1125P.0017	OZ25-17-P	16.5-17	35.05	52
1125P.0018	OZ25-18-P	17.5-18	35.05	52
1125P.0019	OZ25-19-P	18.5-19	35.05	52
1125P.0020	OZ25-20-P	19.5-20	35.05	52
1125P.0021	OZ25-21-P	20.5-21	35.05	52
1125P.0022	OZ25-22-P	21.5-22	35.05	52
1125P.0023	OZ25-23-P	22.5-23	35.05	52
1125P.0024	OZ25-24-P	23.5-24	35.05	52
1125P.0025	OZ25-25-P	24.5-25	35.05	52

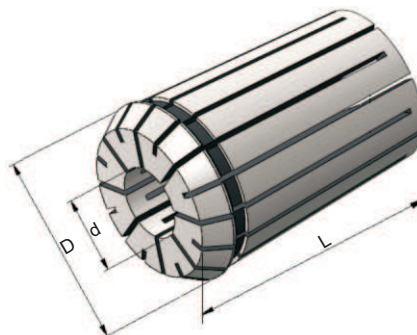
DIN 6388 B Collets OZ / OZ 弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1132.0003	OZ32-03	2.5-3	43.07	60
1132.0004	OZ32-04	3.5-4	43.07	60
1132.0005	OZ32-05	4.5-5	43.07	60
1132.0006	OZ32-06	5.5-6	43.07	60
1132.0007	OZ32-07	6.5-7	43.07	60
1132.0008	OZ32-08	7.5-8	43.07	60
1132.0009	OZ32-09	8.5-9	43.07	60
1132.0010	OZ32-10	9.5-10	43.07	60
1132.0011	OZ32-11	10.5-11	43.07	60
1132.0012	OZ32-12	11.5-12	43.07	60
1132.0013	OZ32-13	12.5-13	43.07	60
1132.0014	OZ32-14	13.5-14	43.07	60
1132.0015	OZ32-15	14.5-15	43.07	60
1132.0016	OZ32-16	15.5-16	43.07	60
1132.0017	OZ32-17	16.5-17	43.07	60
1132.0018	OZ32-18	17.5-18	43.07	60
1132.0019	OZ32-19	18.5-19	43.07	60
1132.0020	OZ32-20	19.5-20	43.07	60
1132.0021	OZ32-21	20.5-21	43.07	60

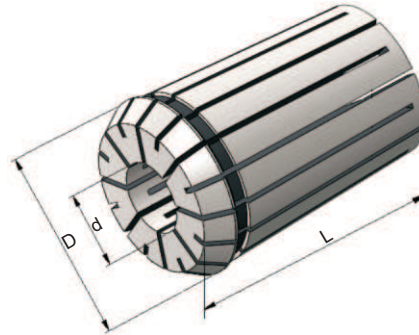
DIN 6388 B Collets OZ / OZ 弹簧夹头



standard
标准型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1132.0022	OZ32-22	21.5-22	43.07	60
1132.0023	OZ32-23	22.5-23	43.07	60
1132.0024	OZ32-24	23.5-24	43.07	60
1132.0025	OZ32-25	24.5-25	43.07	60
1132.0026	OZ32-26	25.5-26	43.07	60
1132.0027	OZ32-27	26.5-27	43.07	60
1132.0028	OZ32-28	27.5-28	43.07	60
1132.0029	OZ32-29	28.5-29	43.07	60
1132.0030	OZ32-30	29.5-30	43.07	60
1132.0031	OZ32-31	30.5-31	43.07	60
1132.0032	OZ32-32	31.5-32	43.07	60

DIN 6388 B Collets OZ / OZ 弹簧夹头



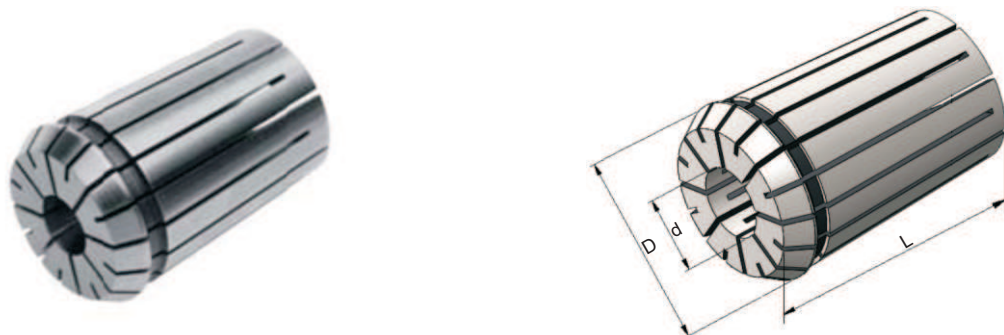
standard
标准型



precision
高精度型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1132P.0003	OZ32-03-P	2.5-3	43.7	60
1132P.0004	OZ32-04-P	3.5-4	43.7	60
1132P.0005	OZ32-05-P	4.5-5	43.7	60
1132P.0006	OZ32-06-P	5.5-6	43.7	60
1132P.0007	OZ32-07-P	6.5-7	43.7	60
1132P.0008	OZ32-08-P	7.5-8	43.7	60
1132P.0009	OZ32-09-P	8.5-9	43.7	60
1132P.0010	OZ32-10-P	9.5-10	43.7	60
1132P.0011	OZ32-11-P	10.5-11	43.7	60
1132P.0012	OZ32-12-P	11.5-12	43.7	60
1132P.0013	OZ32-13-P	12.5-13	43.7	60
1132P.0014	OZ32-14-P	13.5-14	43.7	60
1132P.0015	OZ32-15-P	14.5-15	43.7	60
1132P.0016	OZ32-16-P	15.5-16	43.7	60
1132P.0017	OZ32-17-P	16.5-17	43.7	60
1132P.0018	OZ32-18-P	17.5-18	43.7	60
1132P.0019	OZ32-19-P	18.5-19	43.7	60
1132P.0020	OZ32-20-P	19.5-20	43.7	60
1132P.0021	OZ32-21-P	20.5-21	43.7	60

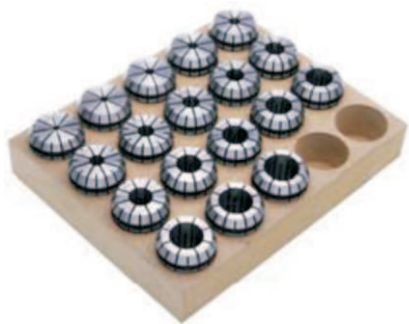
DIN 6388 B Collets OZ / 高精精密 OZ 弹簧夹头



precision
高精精密型

Order No. (S) 货号 (标准型)	Size 规格	d 夹持直径	D	L
1132P.0022	OZ32-22-P	21.5-22	43.7	60
1132P.0023	OZ32-23-P	22.5-23	43.7	60
1132P.0024	OZ32-24-P	23.5-24	43.7	60
1132P.0025	OZ32-25-P	24.5-25	43.7	60
1132P.0026	OZ32-26-P	25.5-26	43.7	60
1132P.0027	OZ32-27-P	26.5-27	43.7	60
1132P.0028	OZ32-28-P	27.5-28	43.7	60
1132P.0029	OZ32-29-P	28.5-29	43.7	60
1132P.0030	OZ32-30-P	29.5-30	43.7	60
1132P.0031	OZ32-31-P	30.5-31	43.7	60
1132P.0032	OZ32-32-P	31.5-32	43.7	60

Collet Sets in Wooden Sockets / 弹簧夹头套装盒(箱)



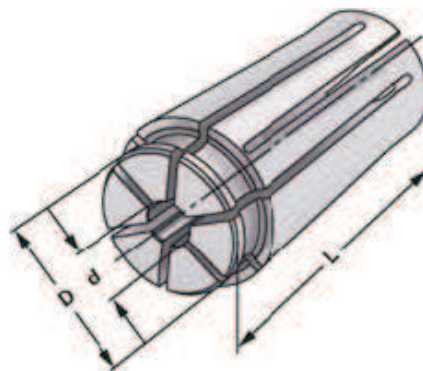
standard
标准型



precision
高精型

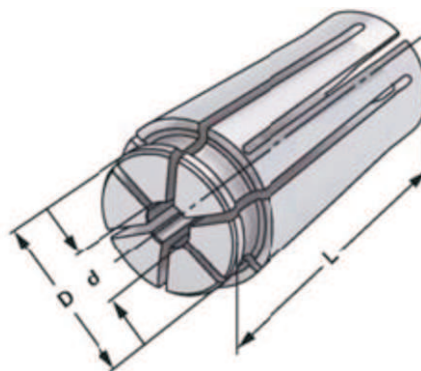
Order No. (S) 货号(标准型)	Size 规格	d 夹持直径
1116.2016	OZ16-S	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16
1125.2025	OZ25-S	4-5-6-7-8-9-10-11-12-14-16-18-20-22-25
1132.2032	OZ32-S	5-6-7-8-10-12-14-16-18-20-22-24-25-28-30-32
1011.2007	ER11-S	1-1.5-2-2.5-3-3.5-4-4.5-5.5-6-6.5-7
1016.2010	ER16-S	1-2-3-4-5-6-7-8-9-10
1025.2016	ER25-S	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16
1032.2020	ER32-S	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
1040.2026	ER40-S	4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26

Precision collets HPS / HPS 高精密弹簧夹头



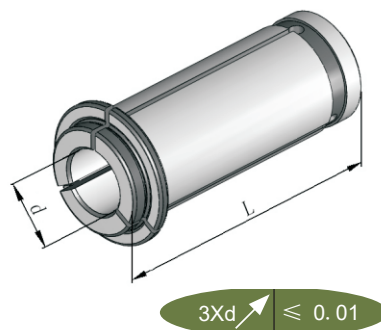
Order No. 货号	Size 规格	d 夹持直径	D	L
1210.00030	HPS10-3	3	15.5	30.5
1210.00035	HPS10-3.5	3.5	15.5	30.5
1210.0004	HPS10-4	4	15.5	30.5
1210.00045	HPS10-4.5	4.5	15.5	30.5
1210.0005	HPS10-5	5	15.5	30.5
1210.00055	HPS10-5.5	5.5	15.5	30.5
1210.0006	HPS10-6	6	15.5	30.5
1210.00065	HPS10-6.5	6.5	15.5	30.5
1210.0007	HPS10-7	7	15.5	30.5
1210.00075	HPS10-7.5	7.5	15.5	30.5
1210.0008	HPS10-8	8	15.5	30.5
1210.00085	HPS10-8.5	8.5	15.5	30.5
1210.0009	HPS10-9	9	15.5	30.5
1210.00095	HPS10-9.5	9.5	15.5	30.5
1210.0010	HPS10-10	10	15.5	30.5
1216.0004	HPS16-4	4	24.6	45
1216.00045	HPS16-4.5	4.5	24.6	45
1216.0005	HPS16-5	5	24.6	45
1216.00055	HPS16-5.5	5.5	24.6	45
1216.0006	HPS16-6	6	24.6	45

Precision collets HPS / HPS高精精密弹簧夹头



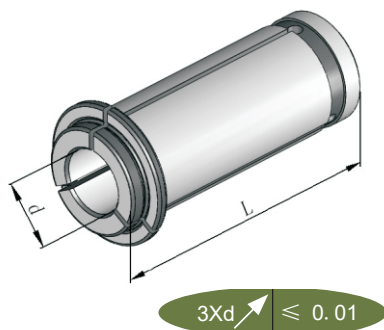
Order No. 货号	Size 规格	d 夹持直径	D	L
1216.00065	HPS16-6.5	6.5	24.6	45
1216.0070	HPS16-7	7	24.6	45
1216.00075	HPS16-7.5	7.5	24.6	45
1216.0008	HPS16-8	8	24.6	45
1216.00085	HPS16-8.5	8.5	24.6	45
1216.0009	HPS16-9	9	24.6	45
1216.00095	HPS16-9.5	9.5	24.6	45
1216.0010	HPS16-10	10	24.6	45
1216.00105	HPS16-10.5	10.5	24.6	45
1216.0011	HPS16-11	11	24.6	45
1216.00115	HPS16-11.5	11.5	24.6	45
1216.0012	HPS16-12	12	24.6	45
1216.00125	HPS16-12.5	12.5	24.6	45
1216.0013	HPS16-13	13	24.6	45
1216.00135	HPS16-13.5	13.5	24.6	45
1216.0014	HPS16-14	14	24.6	45
1216.00145	HPS16-14.5	14.5	24.6	45
1216.0015	HPS16-15	15	24.6	45
1216.00155	HPS16-15.5	15.5	24.6	45
1216.0016	HPS16-16	16	24.6	45

Precision Straight Collets / 直筒型精密弹簧夹头



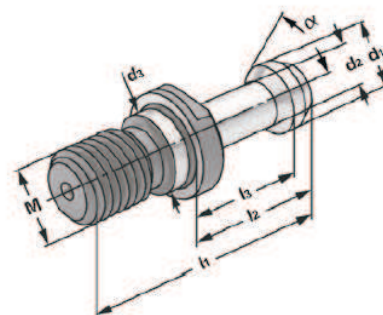
Order No. 货号	Size 规格	d 夹持直径	L
1320.0003	KM20-3	2-3	60
1320.0004	KM20-4	3-4	60
1320.0005	KM20-5	4-5	60
1320.0006	KM20-6	5-6	60
1320.0007	KM20-7	6-7	60
1320.0008	KM20-8	7-8	60
1320.0009	KM20-9	8-9	60
1320.0010	KM20-10	9-10	60
1320.0011	KM20-11	10-11	60
1320.0012	KM20-12	11-12	60
1320.0013	KM20-13	12-13	60
1320.0014	KM20-14	13-14	60
1320.0015	KM20-15	14-15	60
1320.0016	KM20-16	15-16	60
1325.0004	KM25-4	3-4	65
1325.0005	KM25-5	4-5	65
1325.0006	KM25-6	5-6	65
1325.0007	KM25-7	6-7	65
1325.0008	KM25-8	7-8	65
1325.0009	KM25-9	8-9	65
1325.0010	KM25-10	9-10	65
1325.0011	KM25-11	10-11	65
1325.0012	KM25-12	11-12	65
1325.0013	KM25-13	12-13	65
1325.0014	KM25-14	13-14	65
1325.0015	KM25-15	14-15	65
1325.0016	KM25-16	15-16	65

Precision Straight Collets / 直筒型精密弹簧夹头



Order No. 货号	Size 规格	d 夹持直径	L
1325.0017	KM25-17	16-17	65
1325.0018	KM25-18	17-18	65
1325.0019	KM25-19	18-19	65
1325.0020	KM25-20	19-20	65
1332.0003	KM32-3	2-3	80
1332.0004	KM32-4	3-4	80
1332.0005	KM32-5	4-5	80
1332.0006	KM32-6	5-6	80
1332.0007	KM32-7	6-7	80
1332.0008	KM32-8	7-8	80
1332.0009	KM32-9	8-9	80
1332.0010	KM32-10	9-10	80
1332.0011	KM32-11	10-11	80
1332.0012	KM32-12	11-12	80
1332.0013	KM32-13	12-13	80
1332.0014	KM32-14	13-14	80
1332.0015	KM32-15	14-15	80
1332.0016	KM32-16	15-16	80
1332.0017	KM32-17	16-17	80
1332.0018	KM32-18	17-18	80
1332.0019	KM32-19	18-19	80
1332.0020	KM32-20	19-20	80
1332.0021	KM32-21	20-21	80
1332.0022	KM32-22	21-22	80
1332.0023	KM32-23	22-23	80
1332.0024	KM32-24	23-24	80
1332.0025	KM32-25	24-25	80

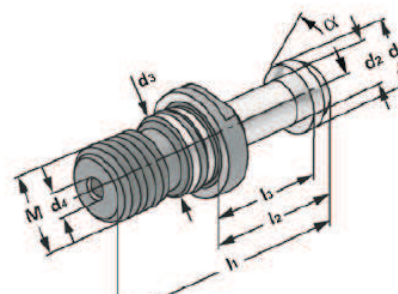
Pull Studs MAS 403 BT / MAS 403 BT 拉钉



应用范围: 盲孔, 不带密封圈, 用于不需要中心通水的刀柄。

Use: Without through hole, without O-ring.

Order No. 货号	Size 规格	M	d ₂	d ₃	α	l ₁	l ₃
2031.4045	PS-BT30-M12-45	M12	7	12.5	45°	43	18
2031.4060	PS-BT30-M12-60	M12	7	12.5	60°	43	18
2041.4045	PS-BT40-M16-45	M16	10	17	45°	60	28
2041.4060	PS-BT40-M16-60	M16	10	17	60°	60	28
2041.4090	PS-BT40-M16-90	M16	10	17	90°	60	28
2051.4045	PS-BT50-M24-45	M24	17	25	45°	85	35
2051.4060	PS-BT50-M24-60	M24	17	25	60°	85	35
2051.4090	PS-BT50-M24-90	M24	17	25	90°	85	35

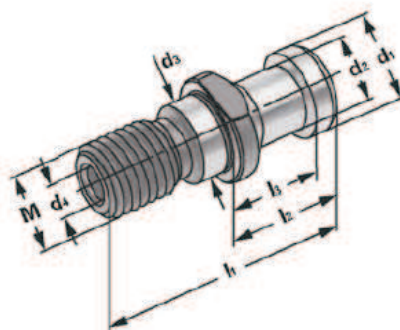


应用范围: 通孔, 带密封圈, 用于需要中心通水的刀柄。

Use: With through hole, with O-ring.

Order No. 货号	Size 规格	M	d ₂	d ₃	d ₄	α	l ₁	l ₃
2041.1045	PS-BT40-M16-45-O	M16	10	17	4	45°	60	28
2041.1060	PS-BT40-M16-60-O	M16	10	17	4	60°	60	28
2041.1060	PS-BT40-M16-90-O	M16	10	17	4	90°	60	28
2051.1045	PS-BT50-M24-45-O	M24	17	25	6	45°	85	35
2051.1060	PS-BT50-M24-60-O	M24	17	25	6	60°	85	35
2051.1090	PS-BT50-M24-90-O	M24	17	25	6	90°	85	35

Pull Studs DIN 69872 / DIN69872 拉钉



应用范围: 通孔, 无密封圈, DIN69872 A, 用于需要中心通水的刀柄。

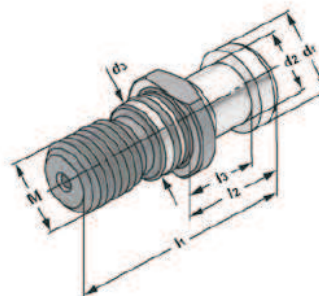
Use: With through hole, without O-ring, DIN69872 A

Order No. 货号	Size 规格	M	d ₂	d ₃	d ₄	l ₃	l ₁
2032.2000	PS-SK30-M12-Hole	M12	9	13	3	19	44
2042.2000	PS-SK40-M16-Hole	M16	14	17	7	20	54
2052.2000	PS-SK50-M24-Hole	M24	21	25	11.5	25	74

应用范围: 通孔, 带密封圈, DIN69872 A, 用于需要中心通水的刀柄。

Use: With through hole, with O-ring, DIN69872 A

Order No. 货号	Size 规格	M	d ₂	d ₃	d ₄	l ₃	l ₁
2042.1000	PS-SK40-M16-O-Hole	M16	14	17	7	20	54
2052.1000	PS-SK50-M24-O-Hole	M24	21	35	11.5	25	74

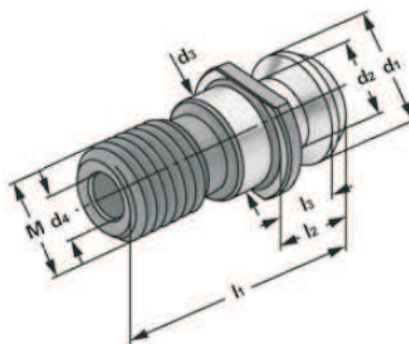


应用范围: 盲孔, 带密封圈, DIN69872 B, 用于需要法兰通水的刀柄。

Use: Without through hole, with O-ring, DIN69872 B

Order No. 货号	Size 规格	M	d ₂	d ₃	d ₄	l ₃	l ₁
2042.3000	PS-SK40-M16-O	M16	14	17	7	20	54
2052.3000	PS-SK50-M24-O	M24	21	35	11.5	25	74

Pull Studs ISO 7388 form B / ISO 7388 B 型拉钉



应用范围: 通孔, 无密封圈, 用于带中心通水的刀柄。

Use: With through hole, without O-ring

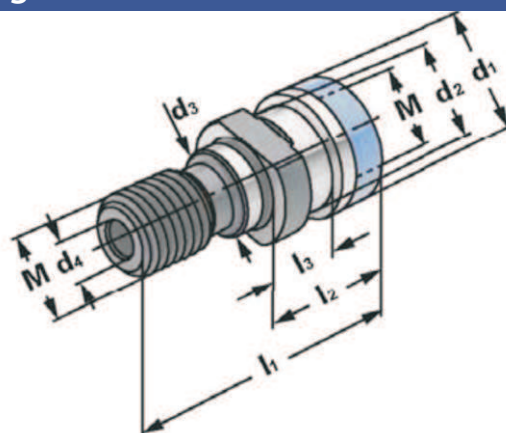
Order No. 货号	Size 规格	M	d2	d3	d4	l3	l1
2047.2000	PS-ISO40-M16-Hole	M16	12.95	17	7	11.15	44.5
2057.2000	PS-ISO50-M24-Hole	M24	19.60	25	11.5	17.95	65.5

应用范围: 通孔, 带密封圈, 用于带中心通水的刀柄。

Use: With through hole, with O-ring

Order No. 货号	Size 货号	M	d2	d3	d4	l3	l1
2047.1000	PS-ISO40-M16-O-Hole	M16	12.95	17	7	11.15	44.5
2057.1000	PS-ISO50-M24-O-Hole	M24	19.60	25	11.5	17.95	65.5

Pull studs DIN 2080 without groove / DIN 2080 拉钉

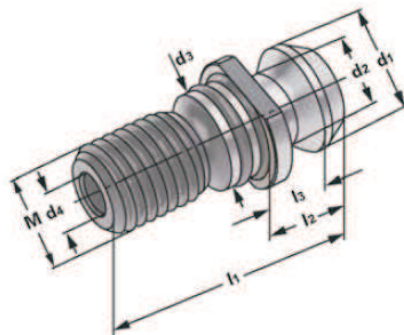


应用范围: 通孔, 无密封圈, 用于需要中心通水的刀柄。

Use: With through hole, without O-ring

Order No. 货号	Size 规格	M	d2	d3	d4	l3	l1
2043.2000	PS-DIN2080-M16-Hole	M16	21.1	17	7	13.6	53
2053.2000	PS-DIN2080-M24-Hole	M24	32	25	7	13.3	65.1

Pull Studs CAT Metric / CAT 拉钉



应用范围: 通孔, 带密封圈, 用于需要中心通水的刀柄。

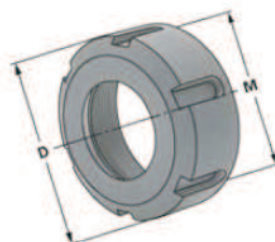
Use: With 7mm through hole, with O-ring

Order No. 货号	Size 规格	M	d ₂	d ₃	d ₄	l ₃	l ₁
2046.1000	PS-CAT40-M16-O-Hole	M16	12.45	17	7	11.18	41.26

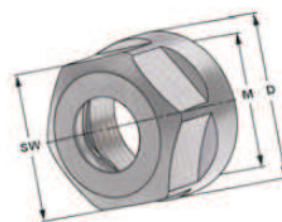
ER Clamping Nuts / ER 夹紧螺母



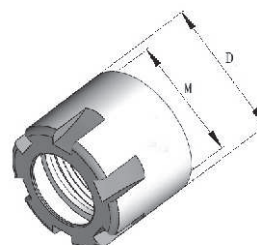
(UM)



(A)



(M)



ER with eccentric ring-balanced
标准动平衡ER螺母

Order No. 货号	Size 尺寸	M	D
2528.1016	Nut-UM-ER16	M22*1.5	32
2542.1025	Nut-UM-ER25	M32*1.5	42
2550.1032	Nut-UM-ER32	M40*1.5	50
2563.1040	Nut-UM-ER40	M50*1.5	63
2512.1008	Nut-M-ER8	M10*0.75	12
2516.1011	Nut-M-ER11	M13*0.75	16
2522.1016	Nut-M-ER16	M19*1.0	22
2528.1020	Nut-M-ER20	M24*1.0	28
2525.1011	Nut-A-ER11	M14*1.0	19
2525.1016	Nut-A-ER16	M12*1.5	28
2525.1020	Nut-A-ER20	M25*1.5	34

Clamping Nuts With Sealing discs / 带密封圈的夹紧螺母及密封圈



Order No. 货号	Size 规格	A	B	C
2528.1216	Nut-A-ER16-O	M22*1.5	17.5	28
2542.1225	Nut-UM-ER25-O	M32*1.5	20.0	42
2550.1232	Nut-UM-ER32-O	M40*1.5	22.5	50
2563.1240	Nut-UM-ER40-O	M50*1.5	25.5	63

sealing discs for clamping
nuts ER-system



ER密封垫圈

Clamping range 0.5mm(+0.1/-0.4)
夹持范围 0.5mm(+0.1/-0.4)

Order No. 货号	Size 规格	d*
2528.1416	Disc-ER16	1.0-10.0
2542.1425	Disc-ER25	1.0-16.0
2550.1432	Disc-ER32	1.0-20.0
2563.1440	Disc-ER40	2.0-26.0

OZ Clamping Nuts
OZ 夹紧螺母

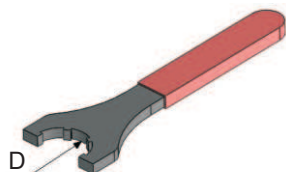


Order No. 货号	Size 规格	M	D
2543.1116	Nut-OZ16	M33*1.5	43
2560.1125	Nut-OZ25	M48*2	60
2572.1132	Nut-OZ32	M60*2.5	72

Wrenches / 扳手

Wrenches for ER nuts

ER螺母扳手, 用于夹紧ER螺母



(UM)

Order No. 货号	Size 规格	D
7528.1016	1-10(ER16)UM	28
7542.1025	2-16(ER25)UM	42
7550.1032	2-20(ER32)UM	50
7563.1040	2-26(ER40)UM	63

Wrenches for ER nuts

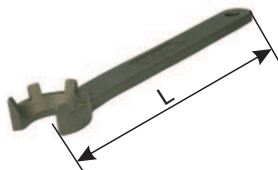
ER螺母扳手, 用于夹紧ER-A螺母

(A)

Order No. 货号	Size 规格	SW
7517.1211	1-7(ER11)A	17.2
7525.1216	1-10(ER16)A	25
7528.1220	1-13(ER20)A	28

Wrenches for ER nuts

ER螺母扳手, 用于夹紧ER-M螺母

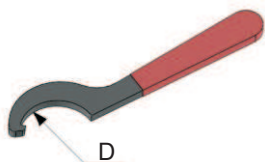


(M)

Order No. 货号	Size 规格	A	L
7513.1400	1-5(ER8)M	13	75
7517.1411	1-7(ER11)M	17	95
7522.1416	1-10(ER16)M	22.5	118
7528.1420	1-13(ER20)M	28	130
7536.1425	1-16(ER25)M	36.5	135

Wrenches for OZ nuts

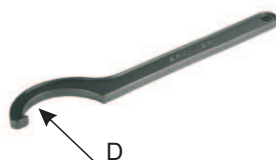
OZ螺母扳手, 用于夹紧OZ螺母



Order No. 货号	Size 规格	D
7540.1116	2-16(OZ16)	40
7558.1125	2-25(OZ25)	58
7568.1132	3-32(OZ32)	68

Wrenches for C type

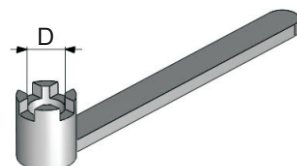
强力螺母扳手



Order No. 货号	Size 规格	D
7552.1520	50-55(C20)	52
7569.1532	68-73(C32)	69
7586.1542	88-96(C42)	86

Wrenches

套筒扳手, 用于夹紧面铣刀的压紧螺栓



Order No. 货号	Size 规格	D
7516.1308	M8	16
7522.1310	M10	22
7527.1312	M12	27
7532.1316	M16	32
7540.1320	M20	40

Wrenches for clamping nuts HPS / HPS 高精密扳手

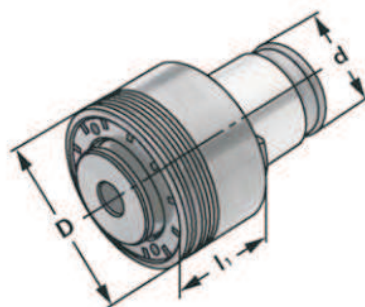


Order No. (S) 货号 (标准型)	Size 规格	D
7519.1206	W19-HPS06	19
7528.1210	W28-HPS10	28
7535.1213	W35-HPS13	35
7540.1216	W40-HPS16	40
7548.1220	W48-HPS20	48
7555.1225	W55-HPS25	55



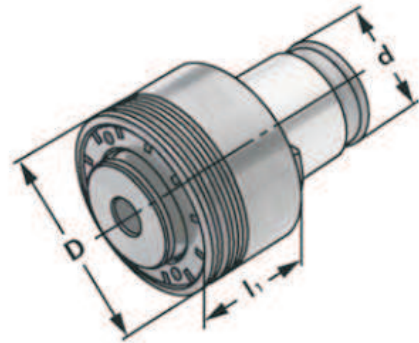
Order No. (S) 货号 (标准型)	Size 规格	D
7506.HSK32	WR-HSK32	32
7508.HSK40	WR-HSK40	40
7510.HSK50	WR-HSK50	50
7512.HSK63	WR-HSK63	63
7516.HSK100	WR-HSK100	100

Tapping Collets with Clutch / 带保护装置的快换攻丝夹头



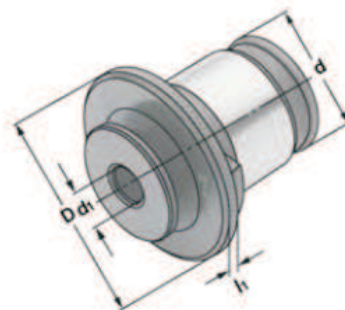
Order No. 货号	Size 规格	d	D	l ₁	M 规格	DIN	Shaft 直柄	Square 方头
7219.3527	TCC-M3-Gr1	19	32	25	M3	371	3.5	2.7
7219.4030	TCC-M3.5-Gr1	19	32	25	M3.5	371	4.0	3.0
7219.4534	TCC-M4-Gr1	19	32	25	M4	371	4.5	3.4
7219.6049M5	TCC-M5-Gr1	19	32	25	M5	371	6.0	4.9
7219.6049M6	TCC-M6-Gr1	19	32	25	M6	371	6.0	4.9
7219.7055	TCC-M7-Gr1	19	32	25	M7	371	7.0	5.5
7219.8062	TCC-M8-Gr1	19	32	25	M8	371	8.0	6.2
7219.1080	TCC-M10-Gr1	19	32	25	M10	371	10.0	8.0
7219.9070	TCC-M12-Gr1	19	32	25	M12	376	9.0	7.0
7219.1190	TCC-M14-Gr1	19	32	25	M14	376	11.0	9.0
7231.6049M5	TCC-M5-Gr2	31	50	31	M5	371	6.0	4.9
7231.6049M6	TCC-M6-Gr2	31	50	31	M6	371	6.0	4.9
7231.8062	TCC-M8-Gr2	31	50	31	M8	371	8.0	6.2
7231.7055	TCC-M7/M10-Gr2	31	50	31	M10	376	7.0	5.5
7231.1080	TCC-M10-Gr2	31	50	31	M10	371	10.0	8.0

Tapping Collets with Clutch / 带保护装置的快换攻丝夹头



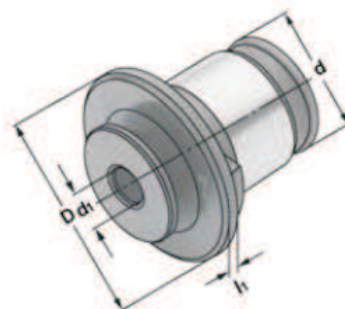
Order No. 货号	Size 规格	d	D	l ₁	M 规格	DIN	Shaft 直柄	Square 方头
7231.9070	TCC-M12-Gr2	31	50	31	M12	376	9.0	7.0
7231.1109	TCC-M14-Gr2	31	50	31	M14	376	11.0	9.0
7231.1209	TCC-M16-Gr2	31	50	31	M16	376	12.0	9.0
7231.1411	TCC-M18-Gr2	31	50	31	M18	376	14.0	11.0
7231.1612	TCC-M20-Gr2	31	50	31	M20	376	16.0	12.0
7231.1814	TCC-M22-Gr2	31	50	31	M22	376	18.0	14.5
7248.1109	TCC-M14-Gr3	48	72	41	M14	376	11.0	9.0
7248.1209	TCC-M16-Gr3	48	72	41	M16	376	12.0	9.0
7248.1411	TCC-M18-Gr3	48	72	41	M18	376	14.0	11.0
7248.1612	TCC-M20-Gr3	48	72	41	M20	376	16.0	12.0
7248.1814M22	TCC-M22-Gr3	48	72	41	M22	376	18.0	14.5
7248.1814M24	TCC-M24-Gr3	48	72	41	M24	376	18.0	14.5
7248.2016	TCC-M27-Gr3	48	72	41	M27	376	20.0	16.0
7248.2218	TCC-M3022-Gr3	48	72	41	M30	376	22.0	18.0
7248.2520	TCC-M3325-Gr3	48	72	41	M33	376	25.0	20.0
7248.2822	TCC-M3628-Gr3	48	72	41	M36	376	28.0	22.0

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



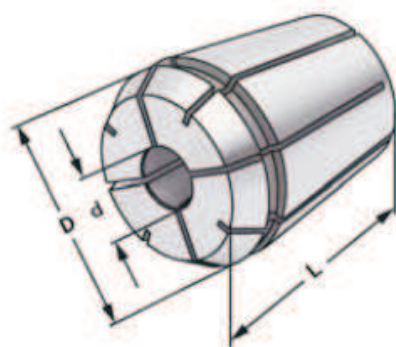
Order No. 货号	Size 货号	d	D	l ₁	d ₁	Square 方头
7119.3527	TC-M3-Gr1	19	30	5	3.5	2.7
7119.4030	TC-M3.5-Gr1	19	30	5	4.0	3.0
7119.4534	TC-M4-Gr1	19	30	5	4.5	3.4
7119.6049	TC-M5-Gr1	19	30	5	6.0	4.9
7119.7055	TC-M6-Gr1	19	30	5	7.0	5.5
7119.8062	TC-M8-Gr1	19	30	5	8.0	6.2
7119.9070	TC-M10-Gr1	19	30	5	9.0	7.0
7119.1080	TC-M12-Gr1	19	30	5	10.0	8.0
7131.6049	TC-M5-Gr2	31	48	6	6.0	4.9
7131.7055	TC-M6-Gr2	31	48	6	7.0	5.5
7131.8062	TC-M8-Gr2	31	48	6	8.0	6.2
7131.9008	TC-M10-Gr2	31	48	6	9.0	7.0
7131.1080	TC-M12-Gr2	31	48	6	10.0	—
7131.1109	TC-M14-Gr2	31	48	6	11.0	9.0
7131.1290	TC-M16-Gr2	31	48	6	12.0	9.0

Tapping Collets Without Clutch / 不带保护装置的快速转换夹头



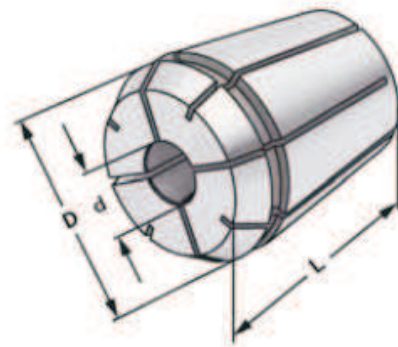
Order No. 货号	Size 规格	d	D	l ₁	d ₁	Square 方头
7131.1411	TC-M18-Gr2	31	48	6	14.0	11.0
7131.1612	TC-M20-Gr2	31	48	6	16.0	12.0
7131.1814	TC-M22-Gr2	31	48	6	18.0	14.5
7148.1109	TC-M14-Gr3	48	63	6	11.0	9.0
7148.1209	TC-M16-Gr3	48	63	6	12.0	9.0
7148.1411	TC-M18-Gr3	48	63	6	14.0	11.0
7148.1612	TC-M20-Gr3	48	63	6	16.0	12.0
7148.1814	TC-M22-Gr3	48	63	6	18.0	14.5
7148.2016	TC-M27-Gr3	48	63	6	20.0	16.0
7148.2218	TC-M30-Gr3	48	63	6	22.0	18.0
7148.2520	TC-M33-Gr3	48	63	6	25.0	20.0
7148.2822	TC-M36-Gr3	48	63	6	28.0	22.0

ER 攻丝夹头



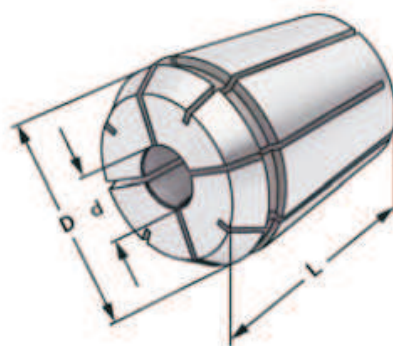
Order No. 货号	规格	d	方头	D	L
1416.3527	TC-ER16-3527	3.5	2.7	17	27.5
1416.4030	TC-ER16-4030	4	3	17	27.5
1416.4534	TC-ER16-4534	4.5	3.4	17	27.5
1416.6049	TC-ER16-6049	6	4.9	17	27.5
1416.7055	TC-ER16-7055	7	5.5	17	27.5
1416.8062	TC-ER16-8062	8	6.2	17	27.5
1420.3527	TC-ER20-3527	3.5	2.7	25	31.5
1420.3527	TC-ER20-4030	4.0	3	25	31.5
1420.4534	TC-ER20-4534	4.5	3.4	25	31.5
1420.5530	TC-ER20-5530	5.5	3	25	31.5
1420.6034	TC-ER20-6034	6.0	3.4	25	31.5
1420.7049	TC-ER20-7049	7.0	4.9	25	31.5
1420.8055	TC-ER20-8055	8.0	5.5	25	31.5
1420.9062	TC-ER20-9062	9.0	6.2	25	31.5
1420.1070	TC-ER20-1070	10	7	25	31.5
1425.3527	TC-ER25-3527	3.5	2.7	26	34
1425.4030	TC-ER25-4030	4	3	26	34

ER 攻丝夹头



货号	规格	d	方头	D	L
1425.4534	TC-ER25-4534	4.5	3.4	26	34
1425.6049	TC-ER25-6049	6	4.9	26	34
1425.7055	TC-ER25-7055	7	5.5	26	34
1425.8062	TC-ER25-8062	8	6.2	26	34
1425.9070	TC-ER25-9070	9	7	26	34
1425.1080	TC-ER25-1080	10	8	26	34
1425.1190	TC-ER25-1190	11	9	26	34
1425.1290	TC-ER25-1290	12	9	26	34
1432.4534	TC-ER32-4534	4.5	3.4	33	40
1432.6049	TC-ER32-6049	6	4.9	33	40
1432.7055	TC-ER32-7055	7	5.5	33	40
1432.8062	TC-ER32-8062	8	6.2	33	40
1432.9070	TC-ER32-9070	9	7	33	40
1432.1080	TC-ER32-1080	10	8	33	40
1432.1190	TC-ER32-1190	11	9	33	40
1432.1290	TC-ER32-1290	12	9	33	40
1432.1411	TC-ER32-1411	14	11	33	40
1432.1612	TC-ER32-1612	16	12	33	40

ER 攻丝夹头



Order No. 货号	规格	d	方头	D	L
1440.6049	TC-ER40-6049	6	4.9	41	46
1440.7055	TC-ER40-7055	7	5.5	41	46
1440.8062	TC-ER40-8062	8	6.2	41	46
1440.9070	TC-ER40-9070	9	7	41	46
1440.1080	TC-ER40-1080	10	8	41	46
1440.1190	TC-ER40-1190	11	9	41	46
1440.1290	TC-ER40-1290	12	9	41	46
1440.1411	TC-ER40-1411	14	11	41	46
1440.1612	TC-ER40-1612	16	12	41	46
1440.18145	TC-ER40-18145	18	14.5	41	46
1440.2016	TC-ER40-2016	20	16	41	46

Reduction Sleeves without Waterproof Ring/液压刀柄减径套(无中心通水)

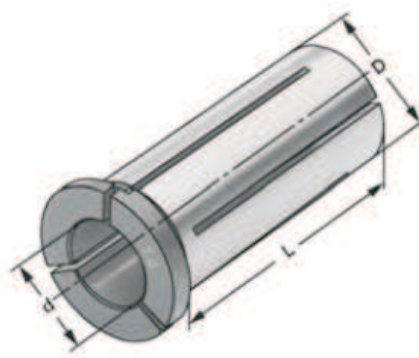


Order No. 货号	Size 规格	d	D	L
3012.3003	RSH12-03	3	12	44.5
3012.3004	RSH12-04	4		
3012.3005	RSH12-05	5		
3012.3006	RSH12-06	6		
3012.3008	RSH12-08	8		
3020.3003	RSH20-03	3	20	50.5
3020.3004	RSH20-04	4		
3020.3005	RSH20-05	5		
3020.3006	RSH20-06	6		
3020.3008	RSH20-08	8		
3020.3010	RSH20-10	10		
3020.3011	RSH20-11	11		
3020.3012	RSH20-12	12		
3020.3013	RSH20-13	13		
3020.3014	RSH20-14	14		
3020.3016	RSH20-16	16		

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

Use: 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

Reduction Sleeves without Waterproof Ring/液压刀柄减径套(无中心通水)



Order No. 货号	Size 规格	d	D	L
3032.3006	RSH32-06	6	32	60.5
3032.3008	RSH32-08	8		
3032.3010	RSH32-10	10		
3032.3012	RSH32-12	12		
3032.3014	RSH32-14	14		
3032.3016	RSH32-16	16		
3032.3018	RSH32-18	18		
3032.3020	RSH32-20	20		
3032.3025	RSH32-25	25		

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

Use: 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

Reduction Sleeves with Waterproof Ring / 液压刀柄减径套(中心通水)



Order No. 货号	Size 规格	d	D	L
3012.4003	RSH12-03-IC	3	12	45
3012.4004	RSH12-04-IC	4		
3012.4005	RSH12-05-IC	5		
3012.4006	RSH12-06-IC	6		
3012.4007	RSH12-07-IC	7		
3012.4008	RSH12-08-IC	8		
3020.4003	RSH20-03-IC	3	20	50.5
3020.4004	RSH20-04-IC	4		
3020.4005	RSH20-05-IC	5		
3020.4006	RSH20-06-IC	6		
3020.4008	RSH20-08-IC	8		
3020.4009	RSH20-09-IC	9		
3020.4010	RSH20-10-IC	10		
3020.4011	RSH20-11-IC	11		
3020.4012	RSH20-12-IC	12		
3020.4016	RSH20-16-IC	16		

应用范围: 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

Use: 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

Reduction Sleeves with Waterproof Ring/液压刀柄减径套(中心通水)

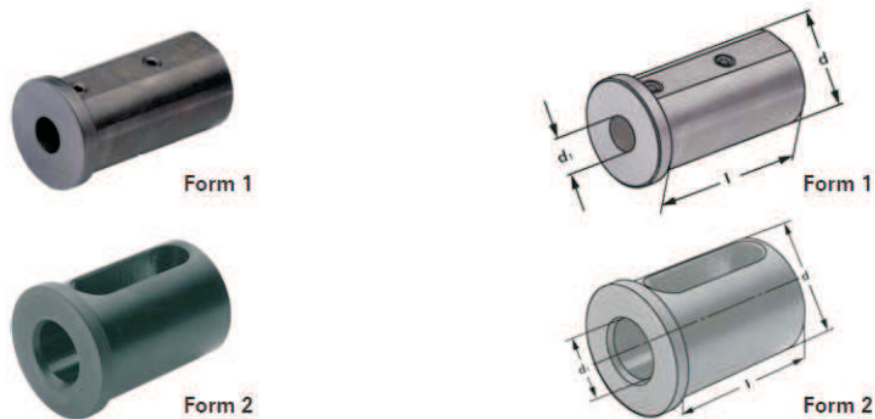


Order No. 货号	Size 规格	d	D	L
3032.4006	RSH32-06-IC	6	32	60.5
3032.4008	RSH32-08-IC	8		
3032.4010	RSH32-10-IC	10		
3032.4012	RSH32-12-IC	12		
3032.4016	RSH32-16-IC	16		
3032.4020	RSH32-20-IC	20		
3032.4025	RSH32-25-IC	25		

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

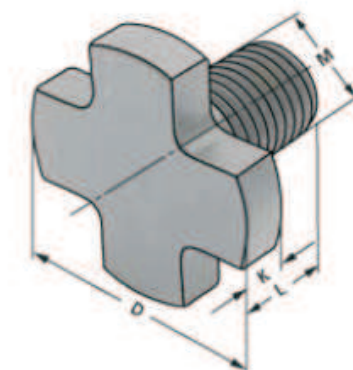
Use: For mounting straight-shank tools acc
DIN 1835 form A+B+E and DIN 6535 form
HA+HB+HE(larger than dia.12mm only
with reduction sleeve)
The Tolerance a of Tools Should be h6

Reduction Sleeves for Boring Bar Holder / 镗刀减径套



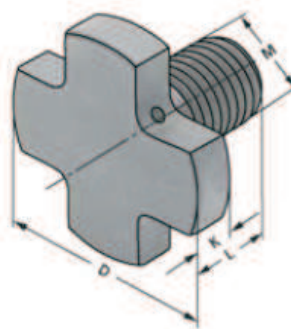
Order No. 货号	Size 规格	Form	d	d1	L
3025.1006	RSB1-25X6X46	1	25	6	46
3025.1008	RSB1-25X8X46	1	25	8	46
3025.1010	RSB1-25X10X46	1	25	10	46
3025.1012	RSB1-25X12X46	1	25	12	46
3025.2016	RSB2-25X16X46	2	25	16	46
3025.2020	RSB2-25X20X46	2	25	20	46
3032.1006	RSB1-32X6X56	1	32	6	56
3032.1008	RSB1-32X8X56	1	32	8	56
3032.1010	RSB1-32X10X56	1	32	10	56
3032.1012	RSB1-32X12X56	1	32	12	56
3032.2016	RSB2-32X16X56	2	32	16	56
3032.2020	RSB2-32X20X56	2	32	20	56
3032.2025	RSB2-32X25X56	2	32	25	56
3040.1006	RSB1-40X6X71	1	40	6	71
3040.1008	RSB1-40X8X71	1	40	8	71
3040.1010	RSB1-40X10X71	1	40	10	71
3040.1012	RSB1-40X12X71	1	40	12	71
3040.2016	RSB2-40X16X71	2	40	16	71
3040.2020	RSB2-40X20X71	2	40	20	71
3040.2025	RSB2-40X25X71	2	40	25	71
3040.2032	RSB2-40X32X71	2	40	32	71

Retaining Screws / 十字压紧螺栓



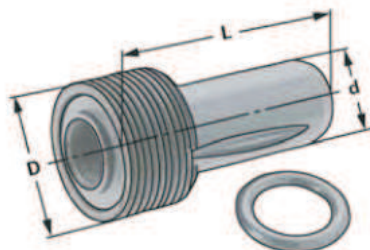
Order No. 货号	Size 规格	Size 尺寸	M	D	K	L
5500.2016	RS-FM16-M8	16	M8	20	6	16
5500.2022	RS-FM22-M10	22	M10	28	7	18
5500.2027	RS-FM27-M12	27	M12	35	8	22
5500.2032	RS-FM32-M16	32	M16	42	6	26
5500.2040	RS-FM40-M20	40	M20	52	10	30
5500.2050	RS-FM50-M24	50	M24	63	12	36
5500.2060	RS-FM60-M30	60	M30	75	14	45

Retaining Screws with Drill Through for Coolant / 十字压紧螺栓(带冷却)



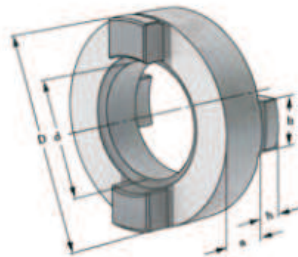
Order No. 货号	Size 规格	Size 尺寸	M	D	K	L
5500.1016	RS-FM16-M8-IC	16	M8	20	6	16
5500.1022	RS-FM22-M10-IC	22	M10	28	7	18
5500.1027	RS-FM27-M12-IC	27	M12	35	8	22
5500.1032	RS-FM32-M16-IC	32	M16	42	6	26
5500.1040	RS-FM40-M20-IC	40	M20	52	10	30
5500.1050	RS-FM50-M24-IC	50	M24	63	12	36
5500.1060	RS-FM60-M30-IC	60	M30	75	14	45

Coolant Tubes / HSK 刀柄冷却导管



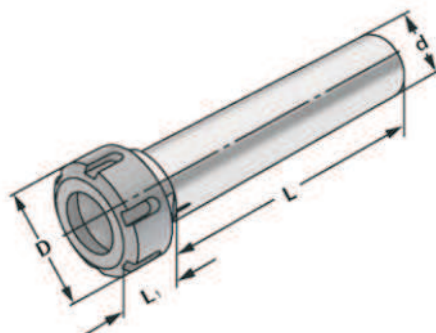
Order No. 货号	Size 规格	d	D	L
3532.0000	CT-HSK32	6	M10×1	26.0
3540.0000	CT-HSK40	8	M12×1	29.5
3550.0000	CT-HSK50	10	M16×1	33.0
3563.0000	CT-HSK63	12	M18×1	34.5
3580.0000	CT-HSK80	14	M20×1.5	40.0
3510.0000	CT-HSK100	16	M24×1.5	44.0

Clutch Drive Rings / 驱动环



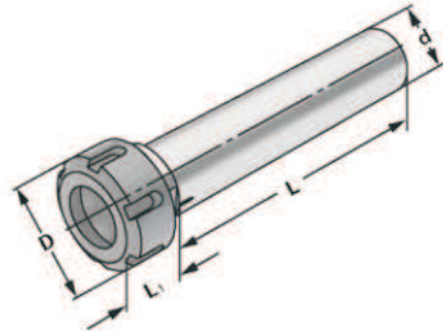
Order No. 货号	Size 规格	d	D	a	b	h
5032.0016	CDR-FM16	16	32	10	8	5
5040.0022	CDR-FM22	22	40	12	10	5.6
5046.0027	CDR-FM27	27	46	12	12	6.3
5055.0032	CDR-FM32	32	55	14	14	7
5068.0040	CDR-FM40	40	68	14	16	8

Collet Chucks with Straight Shank for Collets ER / 直柄ER接杆



Order No. 货号	Size 规格	Capacity 夹持方式	Capacity 夹持范围	d	D	L	L ₁
4012.UM11100	EC12-ER11UM-100	ER11(UM)	1-7	12	19	100	45
4012.UM16100	EC12-ER16UM-100	ER16(UM)	1-10	12	28	100	35
4016.UM11060	EC16-ER11UM-60	ER11(UM)	1-7	16	19	60	40
4016.UM11100	EC16-ER11UM-100	ER11(UM)	1-7	16	19	100	21
4016.UM16100	EC16-ER16UM-100	ER16(UM)	1-10	16	28	100	50
4016.UM16150	EC16-ER16UM-150	ER16(UM)	1-10	16	28	150	50
4020.UM16100	EC20-ER16UM-100	ER16(UM)	1-10	20	28	100	50
4020.UM16150	EC20-ER16UM-150	ER16(UM)	1-10	20	28	150	50
4020.UM20080	EC20-ER20UM-80	ER20(UM)	1-13	20	34	80	50
4020.UM20100	EC20-ER20UM-100	ER20(UM)	1-13	20	34	100	50
4020.UM20150	EC20-ER20UM-150	ER20(UM)	1-13	20	34	150	36
4020.UM25100	EC20-ER25UM-100	ER25(UM)	1-16	20	42	100	50
4020.UM25150	EC20-ER25UM-150	ER25(UM)	1-16	20	42	150	50
4025.UM16100	EC25-ER16UM-100	ER16(UM)	1-10	25	28	100	27
4025.UM16150	EC25-ER16UM-150	ER16(UM)	1-10	25	28	150	27
4025.UM20050	EC25-ER20UM-50	ER20(UM)	1-13	25	34	50	50
4025.UM20100	EC25-ER20UM-100	ER20(UM)	1-13	25	34	100	45
4025.UM20150	EC25-ER20UM-150	ER20(UM)	1-13	25	34	150	45

Collet Chucks with Straight Shank for Collets ER / 直柄ER接杆



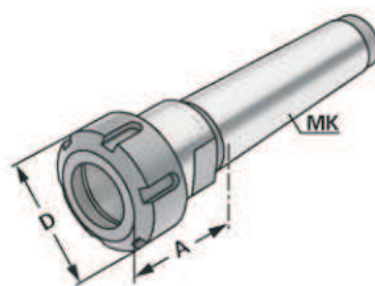
Order No. 货号	Size 规格	Capacity 夹持方式	Capacity 夹持范围	d	D	L	L ₁
4025.UM25080	EC25-ER25UM-80	ER25(UM)	1-16	25	42	80	50
4025.UM25100	EC25-ER25UM-100	ER25(UM)	1-16	25	42	100	50
4025.UM25150	EC25-ER25UM-150	ER25(UM)	1-16	25	42	150	36
4025.UM32080	EC25-ER32UM-80	ER32(UM)	2-20	25	50	80	55
4025.UM32100	EC25-ER32UM-100	ER32(UM)	2-20	25	50	100	55
4032.UM25060	EC32-ER25UM-60	ER25(UM)	1-16	32	42	60	45
4032.UM25100	EC32-ER25UM-100	ER25(UM)	1-16	32	42	100	45
4032.UM32055	EC32-ER32UM-55	ER32(UM)	2-20	32	50	55	45
4032.UM32100	EC32-ER32UM-100	ER32(UM)	2-20	32	50	100	55
4032.UM40080	EC32-ER40UM-80	ER40(UM)	3-26	32	63	80	60
4040.UM32075	EC40-ER32UM-75	ER32(UM)	2-20	40	50	75	50
4040.UM32100	EC40-ER32UM-100	ER32(UM)	2-20	40	50	100	50
4040.UM40100	EC40-ER40UM-100	ER40(UM)	3-26	40	63	100	60

Collet Chucks with Straight Shank for Collets ER / 直柄ER接杆



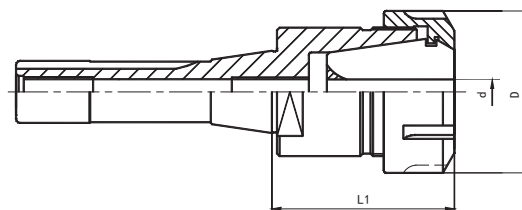
Order No. 货号	Size 规格	Capacity 夹持方式	Capacity 夹持范围	d	D	L	L ₁
4010.M08.095	EC10-ER8M-95	ER8M	1-5	10	12	95	17
4010.M08.120	EC10-ER8M-120	ER8M	1-5	10	12	120	17
4012.M11.095	EC12-ER11M-95	ER11M	1-7	12	16	95	28
4012.M11.150	EC12-ER11M-150	ER11M	1-7	12	16	150	30
4012.M16.050	EC12-ER16M-50	ER16M	1-10	12	22	50	36
4012.M16.100	EC12-ER16M-100	ER16M	1-10	12	22	100	40
4016.M08.100	EC16-ER8M-100	ER8M	1-5	16	12	100	17
4016.M11.100	EC16-ER11M-100	ER11M	1-7	16	16	100	19
4016.M11.150	EC16-ER11M-150	ER11M	1-7	16	16	150	19
4016.M16.080	EC16-ER16M-80	ER16M	1-10	16	22	80	37
4016.M16.150	EC16-ER16M-150	ER16M	1-10	16	22	150	40
4016.M20.060	EC16-ER20M-60	ER20M	1-13	16	28	60	40
4016.M20.100	EC16-ER20M-100	ER20M	1-13	16	28	100	40
4016.M20.150	EC16-ER20M-150	ER20M	1-13	16	28	150	40
4020.M16.100	EC20-ER16M-100	ER16M	1-10	20	22	100	25
4020.M16.150	EC20-ER16M-150	ER16M	1-10	20	22	150	25
4020.M20.080	EC20-ER20M-80	ER20M	1-13	20	28	80	40
4020.M20.100	EC20-ER20M-100	ER20M	1-13	20	28	100	40
4020.M20.120	EC20-ER20M-120	ER20M	1-13	20	28	120	40
4020.M20.150	EC20-ER20M-150	ER20M	1-13	20	28	150	40
4020.M25.150	EC20-ER25M-150	ER25M	1-16	20	35	150	50
4020.M25.145	EC25-ER25M-145	ER25M	1-16	25	35	145	45

Collet Chucks for ER Collets DIN228 / 莫氏ER接杆



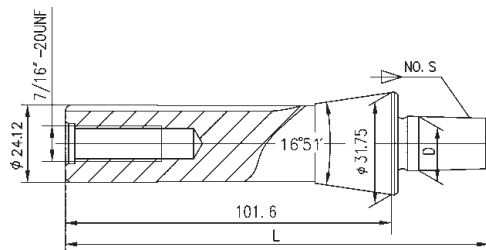
Order No. 货号	Size 规格	MK	Capacity 夹持范围	D	A
4202.1011	ECMK2-ER11-35	MTB2	1-7	19	35.3
4202.1016	ECMK2-ER16-44	MTB2	1-10	28	44.3
4202.1020	ECMK2-ER20-53	MTB2	1-13	34	53.3
4202.1025	ECMK2-ER25-57	MTB2	1-16	42	57.7
4203.1016	ECMK3-ER16-49	MTB3	1-10	28	49.3
4203.1020	ECMK3-ER20-57	MTB3	1-13	34	56.2
4203.1025	ECMK3-ER25-56	MTB3	1-16	42	55.7
4203.1032	ECMK3-ER32-66	MTB3	2-20	50	65.7
4203.1040	ECMK3-ER40-72	MTB3	3-26	63	71.7
4204.1016	ECMK4-ER16-46	MTB4	1-10	28	46.5
4204.1020	ECMK4-ER20-52	MTB4	1-13	34	51.7
4204.1025	ECMK4-ER25-47	MTB4	1-16	42	46.7
4204.1032	ECMK4-ER32-74	MTB4	2-20	50	74.2
4204.1040	ECMK4-ER40-70	MTB4	3-26	63	69.7
4205.1040	ECMK5-ER40-70	MTB5	3-26	63	69.2
4205.1050	ECMK5-ER50-85	MTB5	6-34	78	85

R8 TAPER COLLET CHUCK / R8锥柄铣刀杆



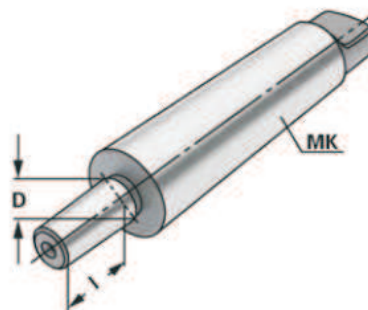
Order No. 货号	Size 规格	d	D	L ₁
4020.0011	R8XER11	1-7	19	34.7
4020.0016	R8XER16	1-10	28	43.7
4020.0020	R8XER20	1-13	34	46.5
4020.0025	R8XER25	1-16	42	49.7
4020.0032	R8XER32	2-20	50	63
4020.0040	R8XER40	3-26	63	72

R8 DRILL CHUCK ARBORS / R8 钻接杆



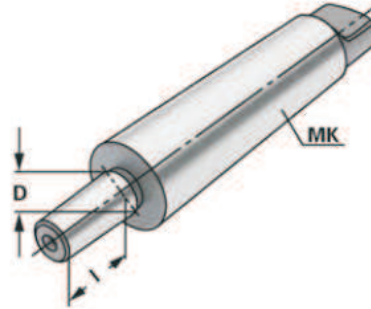
Order No. 货号	Size 规格	D(mm)	L(mm)	重量 (Kg)
4021.R8J0	R8-J0	6.350	117	0.393
4021.R8J1	R8-J1	9.754	122	0.409
4021.R8J2S	R8-J2S	13.940	125	0.400
4021.R8J2	R8-J2	14.199	128	0.414
4021.R8J33	R8-J33	15.850	132	0.418
4021.R8J6	R8-J6	17.170	132	0.426
4021.R8J3	R8-J3	20.599	137	0.465
4021.R8J4	R8-J4	28.550	148	0.600
4021.R8J5	R8-J5	35.890	154	0.742
4021.R8B6	R8-B6	6.350	118.5	0.250
4021.R8B10	R8-B10	10.094	124	0.386
4021.R8B12	R8-B12	12.065	128	0.408
4021.R8B16	R8-B16	15.733	135	0.440
4021.R8B18	R8-B18	17.780	143	0.454
4021.R8B22	R8-B22	21.793	152	0.514
4021.R8B24	R8-B24	23.825	162	0.567

Drill Chuck Adaptors DIN238 / 莫氏带扁尾钻接杆



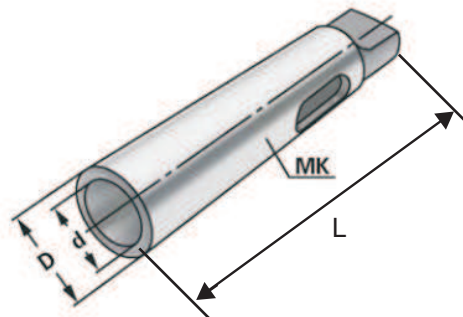
Order No. 货号	Size 规格	D	L
4200.0006	ADMK0-B6	6.350	75
4200.0010	ADMK0-B10	10.094	80
4200.0012	ADMK0-B12	12.065	84
4200.0016	ADMK0-B16	15.733	91
4200.0018	ADMK0-B18	17.780	99
4200.0022	ADMK0-B22	21.793	108
4200.0024	ADMK0-B24	23.825	118
4201.0010	ADMK1-B10	10.094	86
4201.0012	ADMK1-B12	12.065	90
4201.0016	ADMK1-B16	15.733	97
4201.0018	ADMK1-B18	17.780	105
4201.0022	ADMK1-B22	21.793	114
4201.0024	ADMK1-B24	23.825	124
4202.0010	ADMK2-B10	10.094	101
4202.0012	ADMK2-B12	12.065	105
4202.0016	ADMK2-B16	15.733	112
4202.0018	ADMK2-B18	17.780	120
4202.0022	ADMK2-B22	21.793	128
4202.0024	ADMK2-B24	23.825	138
4202.0018S	ADMK2-B18S	17.431	113

Drill Chuck Adaptors DIN238 / 莫氏带扁尾钻接杆



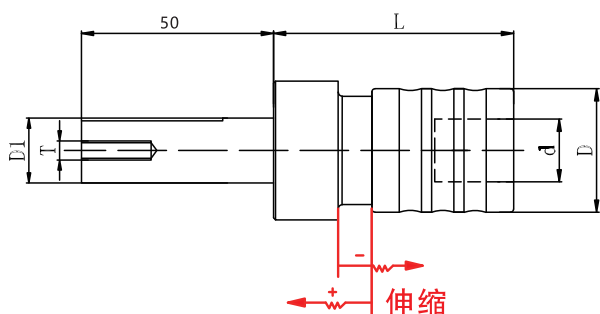
Order No. 货号	Size 规格	D	L
4203.0010	ADMK3-B10	10.094	120
4203.0012	ADMK3-B12	12.065	124
4203.0016	ADMK3-B16	15.733	131
4203.0018	ADMK3-B18	17.780	139
4203.0022	ADMK3-B22	21.793	147
4203.0024	ADMK3-B24	23.825	157
4204.0010	ADMK4-B10	10.094	145
4204.0012	ADMK4-B12	12.065	149
4204.0016	ADMK4-B16	15.733	156
4204.0018	ADMK4-B18	17.780	164
4204.0022	ADMK4-B22	21.793	172
4204.0024	ADMK4-B24	23.825	182
4205.0010	ADMK5-B10	10.094	177
4205.0012	ADMK5-B12	12.065	181
4205.0016	ADMK5-B16	15.733	188
4205.0018	ADMK5-B18	17.780	196
4205.0022	ADMK5-B22	21.793	204
4205.0024	ADMK5-B24	23.825	214
4206.0016	ADMK6-B16	15.733	250

Reduction Sleeves for Tools with Morse Taper Shanks DIN2185 莫氏带扁尾减径套



Order No. 货号	Size 规格	MK	D(mm)	d(mm)	L(mm)	重量(Kg)	精度 Accuracy(mm)
4301.3001	MK1-MK0	1	13	9.045	80	0.10	0.015
4301.3002	MK2-MK1	2	18.6	12.065	92	0.10	
4301.3003	MK3-MK1	3	24.1	12.065	99	0.24	
4301.3004	MK3-MK2	3	24.7	17.780	112	0.12	
4301.3005	MK4-MK1	4	31.6	12.065	124	0.60	
4301.3006	MK4-MK2	4	31.6	17.780	124	0.50	
4301.3007	MK4-MK3	4	32.4	23.825	140	0.38	
4301.3008	MK5-MK1	5	44.7	12.065	156	1.59	0.020
4301.3009	MK5-MK2	5	44.7	17.780	156	1.49	
4301.3010	MK5-MK3	5	44.7	23.825	156	1.36	
4301.3011	MK5-MK4	5	45.5	31.267	171	0.95	
4301.3012	MK6-MK1	6	63.8	12.065	218	3.84	
4301.3013	MK6-MK2	6	63.8	17.780	218	3.73	
4301.3014	MK6-MK3	6	63.8	23.825	218	3.85	
4301.3015	MK6-MK4	6	63.8	31.267	218	3.12	
4301.3016	MK6-MK5	6	63.8	44.399	218	1.95	

GTP High Precise, Torsion, Tension and Compression Tapping Holder / 直柄弹性快换攻丝刀柄



Order No. 货号	Size 规格	d	攻牙范围	标准	D	L	D1	T
4016.0216	TC16-M2/M16	19	M2-M16 M2-M16 M2-M12	ISO JIS DIN371	47	86	16	M10
4020.0216	TC20-M2/M16	19	M2-M16 M2-M16 M2-M12	ISO JIS DIN371	47	86	20	M10
4025.0216	TC25-M2/M16	19	M2-M16 M2-M16 M2-M12	ISO JIS DIN371	47	86	25	M12
4032.0522	TC32-M5/M22	19	M2-M16 M2-M16 M2-M12	ISO JIS DIN371	47	86	32	M12
4025.063	TC25-M6/M30	31	M6-M30	ISO JIS DIN376	61	130	25	M12
4032.063	TC32-M6/M30	31	M6-M30	ISO JIS DIN376	61	130	32	M12

Shrink Fit Extention Chuck / 3°热缩刀柄延长杆



Order No. 货号	Size 规格	d	D1	D	l1 夹持长度	l2 锥长	A
4612.8303	SR12-HSC3-160	3	6	12	9	28.6	160
4612.8304	SR12-HSC4-160	4	7		12		
4612.8304	SR12-HSC5-160	5	8		15		
4612.8306	SR12-HSC6-160	6	9		25		
4616.8303	SR16-HSM3-160	3	6	16	9	105	160
4616.8304	SR16-HSM4-160	4	7		12		
4616.8305	SR16-HSM5-160	5	8		15		
4616.8306	SR16-HSM6-160	6	9		25		
4616.8308	SR16-HSM8-160	8	11		32		
4616.8310	SR16-HSM10-160	10	13		32		
4620.8306	SR20-HSM6-160	6	9	20	25	105	160
4620.8308	SR20-HSM8-160	8	11		32		
4620.8310	SR20-HSM10-160	10	13		38		
4620.8312	SR20-HSM12-160	12	15		38		

应用范围: 装夹迅速, 夹紧力大, 高速切削。
适用于夹持高速钢HSS和硬质合金圆柱柄刀具。
直径为Ø3, Ø4和Ø5的被夹持刀具的柄部公差要求达到h4, 直径为Ø6~Ø32的被夹持柄部公差要求达到h6

Use: For mounting straight-shank tools
Note: Toolholders suitable for induction-, contact- and hot air shrink units.
Ø3,4,5 with h4-tolerance and Ø6-Ø32 with h6-tolerance

Shrink Fit Extention Chuck / 3°热缩刀柄延长杆

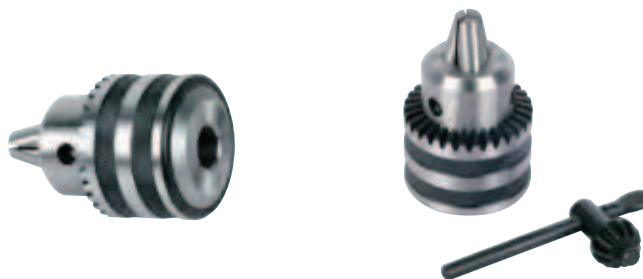


Order No. 货号	Size 规格	d	D ₁	D	l ₁ 夹持长度	l ₂ 锥长	A	
4625.8408	SR25-HSC8-300	8	14	25	25	124	300	
4625.8410	SR25-HSC10-300	10	16		32			
4625.8412	SR25-HSC12-300	12	18		38			
4625.8414	SR25-HSC14-300	14	20		40			
4625.8416	SR25-HSC16-300	16	22					
4632.8410	SR25-HSC10-300	10	16	32	32	190.8		
4632.8412	SR32-HSC12-300	12	18		38			
4632.8414	SR32-HSC14-300	14	20		40			
4632.8416	SR32-HSC16-300	16	22		42			
4632.8420	SR32-HSC20-300	20	26					

应用范围: 装夹迅速, 夹紧力大, 高速切削。
适用于夹持高速钢HSS和硬质合金圆柱柄刀具。
直径为Ø3, Ø4和Ø5的被夹持刀具的柄部公差要求达到h4, 直径为Ø6~Ø32的被夹持柄部公差要求达到h6

Use: For mounting straight-shank tools
Note: Toolholders suitable for induction-, contact- and hot air shrink units.
Ø3, 4, 5 with h4-tolerance and Ø6-Ø32 with h6-tolerance

KEY TYPE DRILL CHUCK / 扳手钻夹头

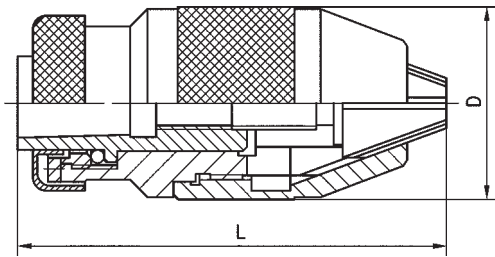


Order No. 货号	Size 规格	Capacity夹持范围		Mount 连接尺寸	外径D mm	长度L mm	重量 Kg
		mm	in				
1513.11012	DC-1/10-B12	1-10	1/32-3/8	B12	42.5	70	0.34
1513.11316	DC-1/13-B16	1-13	1/32-1/2	B16	53	86	0.63
1513.151316	DC-1.5/13-B16	1.5-13	1/16-1/2	B16	44	78	0.45
1513.31616	DC-3/16-B16	3-16	1/8-5/8	B16	53	86	0.63
1513.31618	DC-3/16-B18	3-16	1/8-5/8	B18	53	86	0.63
1513.11618	DC-1/16-B18	1-16	1/32-5/8	B18	57	98	1.00
1513.11616	DC-1/16-B16	1-16	1/32-5/8	B16	57	93	0.82
1513.11622	DC-5/20-B22	5-20	1/32-3/4	B22	65	110	1.40
1513.1102	DC-1/10-JT2	1-10	3/16-3/8	JT2	42.5	70	0.34
1513.1136	DC-1/13-JT6	1-13	1/32-1/2	JT6	53	86	0.63
1513.11333	DC-1/13-JT33	1-13	1/32-1/2	JT33	53	86	0.63
1513.1513	DC-1.5/13-JT33	1.5-13	1/16-1/2	JT33	44	78	0.45
1513.3163	DC-3/16-JT3	3-16	1/8-5/8	JT3	53	86	0.63
1513.3166	DC-3/16-JT6	3-16	1/8-5/8	JT6	53	86	0.63
1513.31633	DC-3/16-JT33	3-16	1/8-5/8	JT33	53	93	0.65
1513.1163	DC-1/16-JT3	1-16	1/32-5/8	JT3	57	98	1.00
1513.5200	DC-5/20-JT	5-20	3/16-3/4	JT3	65	110	1.40

应用范围: 安装在钻头基础柄上。

Use: Installed in the drill chuck adapter

Keyless Drill Chuck With Taper Mounted / 锥孔自紧式钻夹头



Order No. 货号	Size 规格	Capacity 夹持范围	Mount 连接尺寸	D mm	L mm	精度 Runout mm		
						P	D	M
1514.5610	DCT-0.5/6-B10	0.5-6mm	B10	34	72	0.12	0.16	0.06
1514.5812	DCT-0.5/8-B12	0.5-8mm	B12	42	82			
1514.1012	DCT-1/10-B12	1/64"-5/16"	JT2	42	82			
1514.1316	DCT-1/13-B16	1-10mm	B12	42	82			
1514.13A16	DCT-1/13A-B16	1/32"-3/8"	JT2	44	88			
1514.1616	DCT-3/16-B16	1/32"-3/8"	JT33	44	88			
1514.1618	DCT-3/16-B18	1-13mm	B16	44	97			
1514.2022	DCT-5/20-B22	1-13mm	B16	49	100			
1514.6414	DCT-1/64 -1/4-JT1	1/32"-1/2"	JT33	49	100	0.14	0.20	0.07
1514.6452	DCT-1/64-5/16-JT2	1/32"-1/2"	JT6	49	100			
1514.3238	DCT-1/32-3/8-JT2	3-16mm	B16	54	110			
1514.3212	DCT-1/32-1/2-JT33	3-16mm	B18	54	110			
1514.32126	DCT-1/32-1/2-JT6	1/8"-5/8"	JT6	54	110	0.18	0.25	
1514.8586	DCT-1/8-5/8-JT6	1/8"-5/8"	JT3	54	110			
1514.8583	DCT-1/8-5/8-JT3	5-20mm	B22	60	125			
1514.1634	DCT-3/16-3/4-JT3	3/16"-3/4"	JT3	60	125			

订货时请注明精度

Use: Installed in the drill chuck adapter

HSK Tool Holder Device / 锁刀座



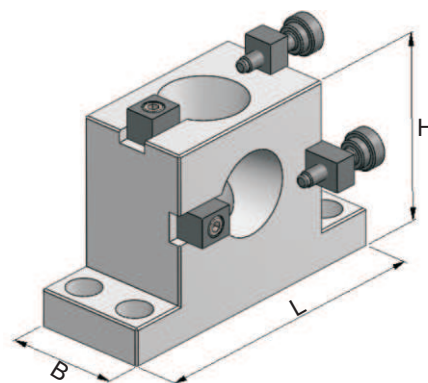
Order No. 货号	Size 型号	机床主轴 Spindle
6000.0032	TF-HSK32	HSK32
6000.0040	TF-HSK40	HSK40
6000.0050	TF-HSK50	HSK50
6000.0063	TF-HSK63	HSK63

Vertical Horizontal tool Holder Device / 刀柄锁刀座



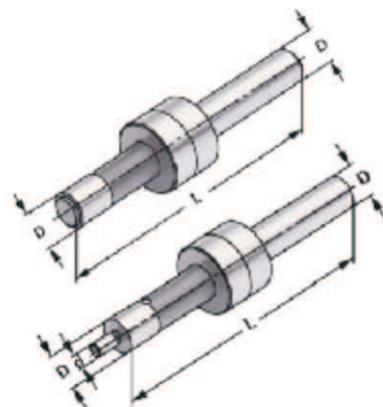
Order No. 货号	Size 型号	Taper of Tool Holder 刀柄锥度	Outsize (mm) 外形尺寸	Weight(Kg) 重量
6000.0130	TF-BT30	BT30	205x98.5x128	3.70
6000.0140	TF-BT40	BT40	205x98.5x128	3.80
6000.0150	TF-BT50	BT50	275x150x198	11.40
6000.0230	TF-SK30	DIN69871.30	205x98.5x128	3.70
6000.0240	TF-SK40	DIN69871.40	205x98.5x128	3.80
6000.0250	TF-SK50	DIN69871.50	275x150x198	11.40
6000.0330	TF-CT30	CAT30	205x98.5x128	3.70
6000.0340	TF-CT40	CAT40	205x98.5x128	3.80
6000.0350	TF-CT50	CAT50	275x150x198	11.40

Tightening Fixtures Aluminium / 立卧两用锁刀座



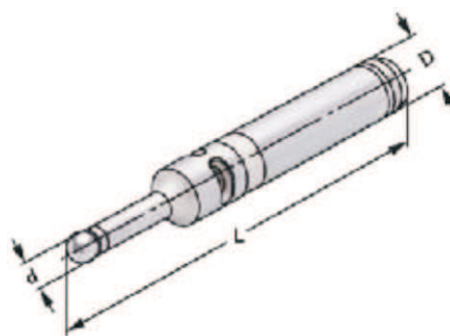
Order No. 货号	Size 型号	L	H	B
6000.3030	TF-SK30/BT30	126	75	47
6000.4040	TF-SK40/BT40	160	100	60
6000.4050	TF-SK50/BT50	180	155	97

Mechanical edge finder / 机械寻边器



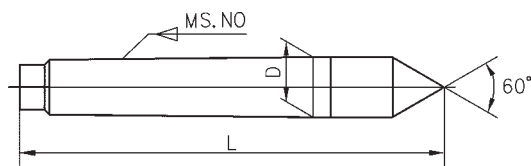
Order No. 货号	Size 型号	D	L	d
6100.0001	MEF-00A	9.5	89.5	Ø10 / Ø4
6100.0002	MEF-00B	9.5	82.5	Ø10
6100.0003	MEF-00C	10	89	Ø10 / Ø4
6100.0004	MEF-00D	9.5	89.5	Ø10 / Ø6
6100.0005	MEF-00E	10	82.5	Ø10

Electronic edge finder / 光电寻边器 (2D)



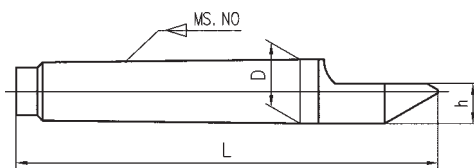
Order No. 货号	Size 型号	D 柄径	L 长度	d 球测头直径	Repeatability 精度	Type 形式
6110.0001	OEF-A	20	96.5	10	0.005	光电式 Photoelectric
6110.0002	OEF-C	20	160	10	0.005	
6110.0003	OEF-E	3/4"	100	0.4"	0.002"	
6110.0004	OEF-B	20	100	10	0.005	蜂鸣式 buzzing
6110.0005	OEF-D	20	160	10	0.005	
6110.0006	OEF-F	3/4"	100	0.4"	0.002"	

DEAD CENTER / 固定顶尖



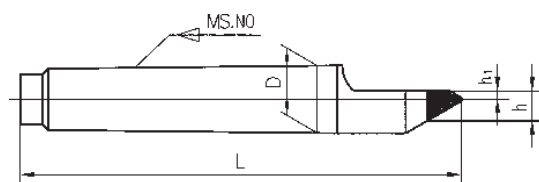
Order No. 货号	Size 型号	MS.NO.	D mm	L mm	重量 Wt(kg)	精度 Accuracy(mm)
6500.0001	DC-DG1	MS1	12.065	80	0.057	0.010
6500.0002	DC-DG2	MS2	17.780	100	0.150	
6500.0003	DC-DG3	MS3	23.825	125	0.334	
6500.0004	DC-DG4	MS4	31.267	160	0.746	
6500.0005	DC-DG5	MS5	44.399	200	1.862	
6500.0006	DC-DG6	MS6	63.348	270	4.925	
6500.0007	DC-DG7	MS7	83.061	360	8.620	

HALF-NOTCHED CENTER / 半缺顶尖



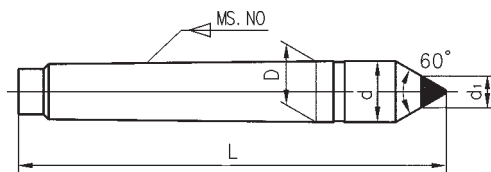
Order No. 货号	Size 型号	MS.NO.	D mm	h mm	L mm	重量 Wt(kg)	精度 Accuracy(mm)
6501.0001	HNC-DH1	MS1	12.065	7.6	80	0.057	0.010
6501.0002	HNC-DH2	MS2	17.780	11	100	0.150	
6501.0003	HNC-DH3	MS3	23.825	15.05	125	0.334	
6501.0004	HNC-DH4	MS4	31.267	20.8	160	0.746	
6501.0005	HNC-DH5	MS5	44.399	29.35	200	1.862	
6501.0006	HNC-DH6	MS6	63.348	41.9	270	4.925	
6501.0007	HNC-DH7	MS7	83.061	53.78	360	8.620	

CARBIDE HALF-NOTCHED CENTER / 硬质合金半缺顶尖



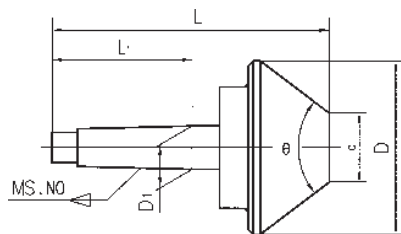
Order No. 货号	Size 型号	MS.NO.	h ₁ mm	h mm	D mm	L mm	重量 Wt(kg)	精度 Accuracy(mm)
6503.0001	CHNC-DHE1	MS1	1.5	5.5	12.065	80	0.06	0.010
6503.0002	CHNC-DHE2	MS2	2	6	17.780	100	0.15	
6503.0003	CHNC-DHE3	MS3	3	9	23.825	125	0.34	
6503.0004	CHNC-DHE4	MS4	5	12.5	31.267	160	0.71	
6503.0005	CHNC-DHE5	MS5	7	16	44.399	200	1.78	
6503.0006	CHNC-DHE6	MS6	10	22	63.348	270	5.00	
6503.0007	CHNC-DHE7	MS7	12	24	83.061	360	8.30	

CARBIDE CENTER / 硬质合金顶尖



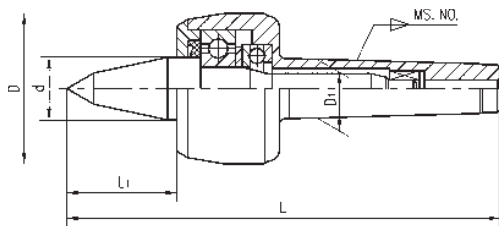
Order No. 货号	Size 型号	MS.NO.	D mm	L mm	d mm	d ₁ mm	重量 Wt(kg)	精度 Accuracy(mm)
6502.0001	CBC-DE1	MS1	12.065	80	12.2	8	0.057	0.010
6502.0002	CBC-DE2	MS2	17.780	100	18	8	0.151	
6502.0003	CBC-DE3	MS3	23.825	125	24.1	12	0.335	
6502.0004	CBC-DE4	MS4	31.267	160	31.6	15	0.746	
6502.0005	CBC-DE5	MS5	44.399	200	44.7	18	1.826	
6502.0006	CBC-DE6	MS6	63.348	270	63.8	24	5.230	
6502.0007	CBC-DE7	MS7	83.061	360	83.555	24	9.190	

BULL NOSE CENTER / 伞形顶尖



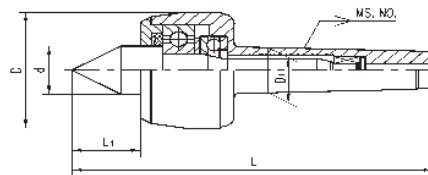
Order No. 货号	Size 型号	MS.NO.	L	L1	D	D1	d	θ
6504.0001	BNC-DS2X60(60°)	MS2	132	64	60	17.780	20	60°
6504.0002	BNC-DS2X61.9(70°)	MS2	135	64	61.9	17.780	12.7	70°
6504.0003	BNC-DS3X76.2(70°)	MS3	152	81	76.2	23.825	19	70°
6504.0004	BNC-DS3X100(60°)	MS3	170	81	100	23.825	30	60°
6504.0005	BNC-DS3X100(75°)	MS3	164	81	100	23.825	32	75°
6504.0006	BNC-DS4X160(60°)	MS4	232	102.5	160	31.267	40	60°
6504.0007	BNC-DS4X160(75°)	MS4	225	102.5	160	31.267	35	75°
6504.0008	BNC-DS5X200(75°)	MS5	252	129.5	200	44.399	40	75°
6504.0009	BNC-DS5X250(75°)	MS5	281	129.5	250	44.399	57	75°
6504.0010	BNC-DS6X200(75°)	MS6	320	182	200	63.348	40	75°
6504.0011	BNC-DS6X250(75°)	MS6	355	182	250	63.348	57	75°

PRECISION LIVE CENTER/ M11 型精密回转顶尖



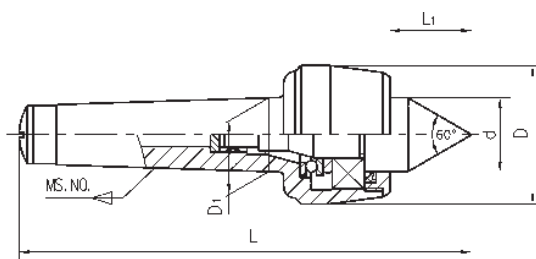
Order No. 货号	Size 型号	MS. NO.	L mm	D mm	L1 mm	d mm	D1 mm	最大载荷(kg) Max Load	极限转速(rpm) Max Speed	精度(mm) Accuracy
6505.0001	PLC-M11/101MS1	MS1	124	36	27	15	12.065	80	7000	0.01
6505.0002	PLC-M11/102MS2	MS2	139	45	34	20	17.780	140	7000	0.005
6505.0003	PLC-M11/106MS3	MS3	176.5	60	47	25	23.825	400	5000	0.005
6505.0004	PLC-M11/108MS4	MS4	217	70	53	32	31.267	500	3800	0.005
6505.0005	PLC-M11/110MS5	MS5	273	90	65	40	44.399	1200	3000	0.005
6505.0006	PLC-M11/114MS6	MS6	354.5	105	78	50	63.348	2500	2600	0.01

PRECISION LIVE CENTER / 604H 型精密回转顶尖



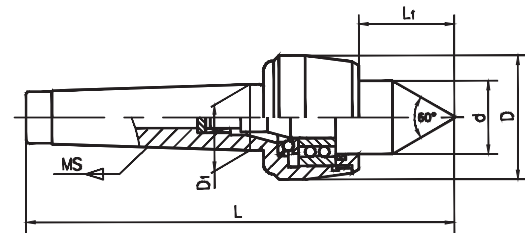
Order No. 货号	Size 型号	MS. NO.	L mm	D mm	L ₁ mm	d mm	D ₁ mm	最大载荷(kg) Max Load	极限转速(rpm) Max Speed	精度(mm) Accuracy
6506.0001	PLC-604H/101	MS1	114	36	17	15	12.065	100	7000	0.010
6506.0002	PLC-604H/102	MS2	129	45	24	20	17.780	200	7000	0.005
6506.0003	PLC-604H/104	MS3	151.5	50	27.5	22	23.825	400	6300	0.005
6506.0004	PLC-604H/106	MS3	160.5	60	31	25	23.825	500	5000	0.005
6506.0005	PLC-604H/108	MS4	205	70	41	32	31.267	800	3800	0.005
6506.0006	PLC-604H/110	MS5	258.5	90	50.5	40	44.399	2000	3000	0.005
6506.0007	PLC-604H/114	MS6	334	105	57.5	50	63.348	3500	2600	0.010
6506.0008	PLC-604H/116	MS6	378	140	67	60	63.348	4500	1500	0.010
6506.0009	PLC-604H/116E	ME80	392	140	68	60	80	7500	1500	0.010

PRECISION LIGHT-DUTY LIVE CENTER / 精密轻型回转顶尖



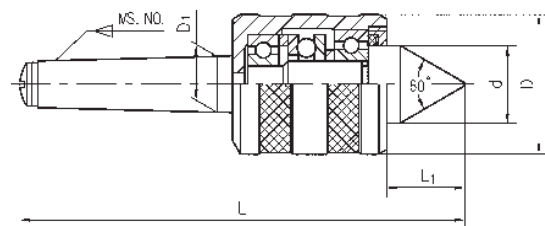
Order No. 货号	Size 型号	MS. NO.	L mm	D mm	L ₁ mm	d mm	D ₁ mm	径向载荷(N) Max Radial Load	极限转速(rpm) Max Speed	精度(mm) Accuracy
6507.0001	PLDC-DM311	MS1	115	34	20.3	18	12.065	320	5000	0.005
6507.0002	PLDC-DM312	MS2	129.6	45	28.6	25	17.780	400	5000	0.006
6507.0003	PLDC-DM313	MS3	160.2	52	32	28	23.825	800	4500	0.006
6507.0004	PLDC-DM314	MS4	191.7	60	36.5	32	31.267	1250	3500	0.006
6507.0005	PLDC-DM315	MS5	244.5	80	50.8	45	44.399	1500	3000	0.006
6507.0006	PLDC-DM316	MS6	350	130	74.8	75	63.348	1800	2500	0.006
6507.0007	PLDC-DM317	MS7	423.5	130	74.8	75	83.061	2200	2000	0.006

HIGH-SPEED LIVE CENTER / 高速精密回转顶尖



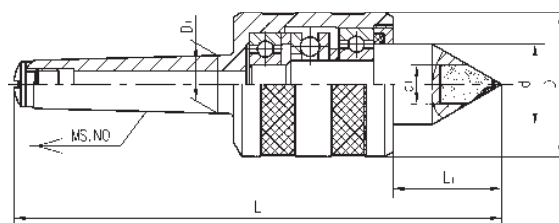
Order No. 货号	Size 型号	MS. NO.	L mm	D mm	L ₁ mm	d mm	D ₁ mm	最大载荷(kg) Max Load	极限转速(rpm) Max Speed	精度(mm) Accuracy
6508.0001	HSLC-HD313	MS3	180	53	39	30	23.825	500Kg	5000	±0.003
6508.0002	HSLC-HD314	MS4	208	63	42	32	31.267	800Kg	4500	±0.003
6508.0003	HSLC-HD315	MS5	256	83	49	40	44.399	1600Kg	3500	±0.003

MEDIUM-DUTY LIVE CENTER / 中型回转顶尖



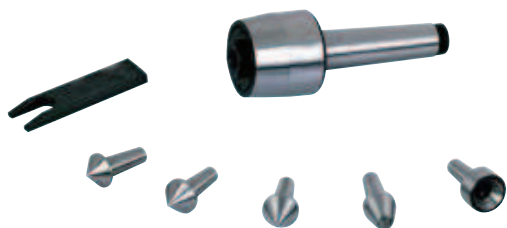
Order No. 货号	Size 型号	MS. NO.	L mm	L ₁ mm	D mm	d mm	D ₁ mm	径向载荷(N) Max Radial Load	极限转速(rpm) Max Speed	重量 Wt(kg)	精度(mm) Accuracy
6509.0001	MDLC-D411	MS1	115	20	34	18	12.065	900	5000	0.29	0.01
6509.0002	MDLC-D412	MS2	145	26	45	25	17.780	1500	5000	0.70	0.01
6509.0003	MDLC-D413	MS3	170	30	52	28	23.825	2000	4200	0.93	0.01
6509.0004	MDLC-D414	MS4	205.7	34.7	60	32	31.267	3200	3200	1.70	0.01
6509.0005	MDLC-D415	MS5	254	45	77	45	44.399	6300	2400	3.39	0.015
6509.0006	MDLC-D416	MS6	362	68.5	125	75	63.348	10000	1600	12.00	0.015
6509.0007	MDLC-D411L	MS1	125	30	34	18	12.065	900	5000	0.31	0.01
6509.0008	MDLC-D412L	MS2	155	36	45	25	17.780	1500	5000	0.74	0.01
6509.0009	MDLC-D413L	MS3	183	43	52	28	23.825	2000	4200	0.99	0.01
6509.0010	MDLC-D414L	MS4	222	51	60	32	31.267	3200	3200	1.80	0.01
6509.0011	MDLC-D415L	MS5	272	63	77	45	44.399	6300	2400	3.62	0.015
6509.0012	MDLC-D416L	MS6	382	88.5	125	75	63.348	10000	1600	12.69	0.015

CARBIDE MEDIUM-DUTY LIVE CENTER / 硬质合金中型回转顶尖

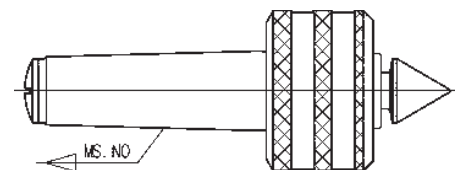
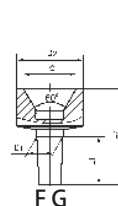
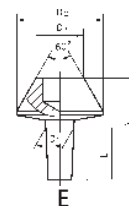
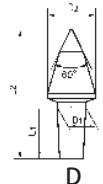
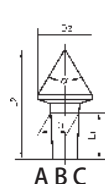


Order No. 货号	Size 型号	MS. NO.	L mm	D mm	L ₁ mm	d mm	D ₁ mm	d ₁ mm	最大载荷(N) Max Load	极限转速(rpm) Max Speed	精度(mm) Accuracy
6510.0001	CMDLC-D412A	MS2	145	45	26	25	17.780	12	1500	5000	0.010
6510.0002	CMDLC-D413A	MS3	170	52	30	28	23.825	15	2000	4200	0.010
6510.0003	CMDLC-D414A	MS4	205.7	60	34.7	32	31.267	18	3200	3200	0.010
6510.0004	CMDLC-D415A	MS5	254	77	45	45	44.399	24	6300	2000	0.015
6510.0005	CMDLC-D416A	MS6	362	125	68.5	75	63.348	40	10000	1600	0.015

MEDIUM-DUTY MULTI-PURPOSE LIVE CENTER / 插入式回转顶尖

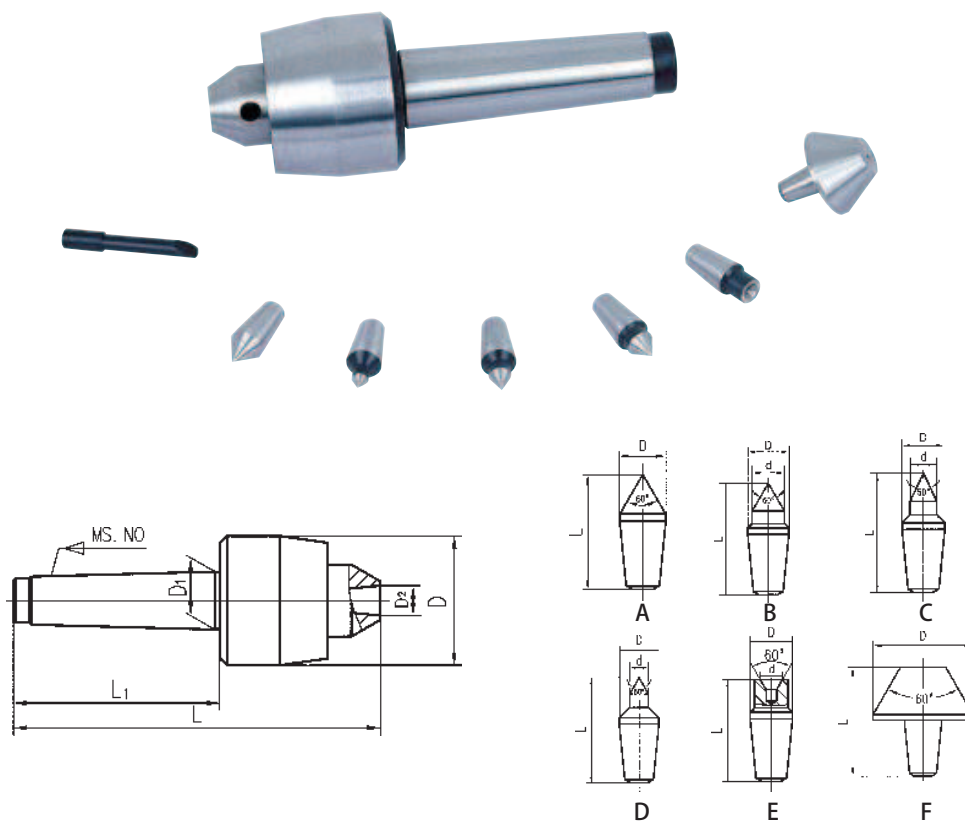


A: $\alpha=60^\circ$
B: $\alpha=75^\circ$
C: $\alpha=90^\circ$



Order No. 货号	Size 型号	MS. NO.	D ₁	L ₁	A		B		C		D		E			F			G			重量 Wt(kg)
					D ₂	L ₂	D ₂	L ₂	D ₂	L ₂	D ₂	L ₂	D ₂	D ₃	L ₂	D ₂	L ₂	d	D ₂	L ₂	d	
6511.0001	MDPC-D432	MS2	10	20	16	39	16	35.5	16	33	16	46	25	10	40	16	36	10	20	39	16	0.95
6511.0002	MDPC-D433	MS3	12	24	20	48	20	43.5	20	40.5	18	56	35	15	50	22	42	18	35	48	30	1.87
6511.0003	MDPC-D434	MS4	15	30	28	61.5	28	55.5	28	51.5	26	73	55	30	61.5	40	55	35	55	60	48	2.42
6511.0004	MDPC-D435	MS5	20	40	36	80	36	72.45	36	66.8	36	101	70	41	78	60	81	50	70	85	61	4.12
6511.0005	MDPC-D436	MS6	30	55	55	117	55	113	55	108	50	138	90	50	107.5	75	110	60	90	116	75	7.83

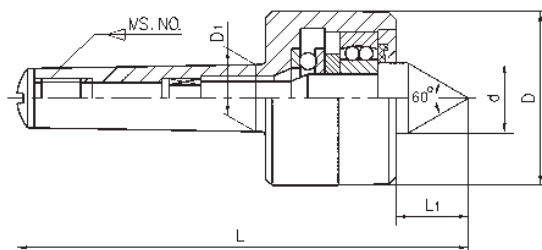
HIGH-SPEED MEDIUM-DUTY MULTI-PURPOSE LIVE CENTER / 高速插入式回转顶尖



Order No. 货号	Size 型号	MS. NO.	D mm	D ₁ mm	L ₁ mm	L mm
6512.0001	HSPC-HD432	MS2	48	17.780	69	127
6512.0002	HSPC-HD433	MS3	54	23.825	86	153
6512.0003	HSPC-HD434	MS4	63	31.267	109	182
6512.0004	HSPC-HD435	MS5	83	44.399	136	217

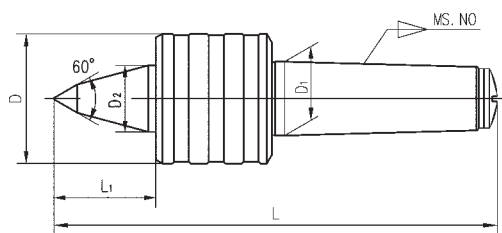
MS.NO.	A		B			C			D			E			F	
	L	D	L	D	d	L	D	d	L	D	d	L	D	d	L	D
2	26	10.2	28.5	10.2	8	29	10.2	6.5	27.5	10.2	5	25	10.2	5.3	30	28
3	32	12.75	35	12.75	10	36	12.75	8	34	12.75	6	31	12.75	6.7	37	34
4																
5	39	15.7	44	15.7	12	45	15.7	10	42	15.7	8	43	15.7	8.5	48	40

PRECISION HEAVY LIVE CENTER / 精密重型回转顶尖



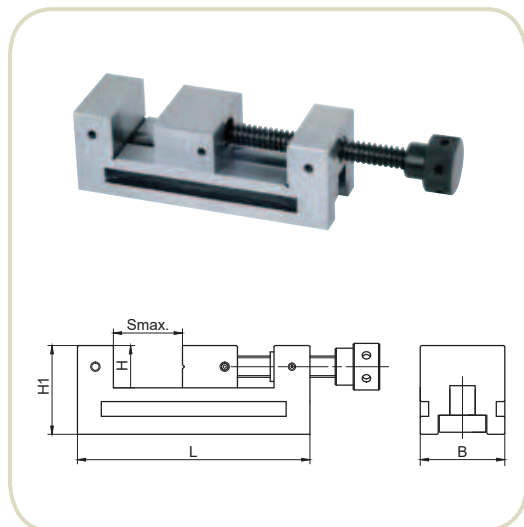
Order No. 货号	Size 型号	MS. NO.	L mm	D mm	L1 mm	d mm	D1 mm	径向载荷(N) Max Radial Load	极限转速(rpm) Max Speed	重量 Wt(kg)	精度(mm) Accuracy
6513.0001	PHLC-DM511	MS1	109.6	38	18.5	16	12.065	1400	3600	0.29	0.008
6513.0002	PHLC-DM512	MS2	128.5	48	24	22	17.780	3500	3400	0.39	0.010
6513.0003	PHLC-DM513	MS3	156	58	28.5	25	23.825	5500	3200	1.09	0.010
6513.0004	PHLC-DM514	MS4	192.5	68	31.5	28	31.267	8000	3000	1.69	0.010
6513.0005	PHLC-DM515	MS5	245	90	45	41	44.399	10000	2500	4.00	0.012
6513.0005	PHLC-DM516	MS6	342.5	130	64	63	63.348	15000	1500	11.61	0.015

MEDIUM-DUTY LIVE CENTER (EXTENDED) / 中型回转顶尖(加长型)



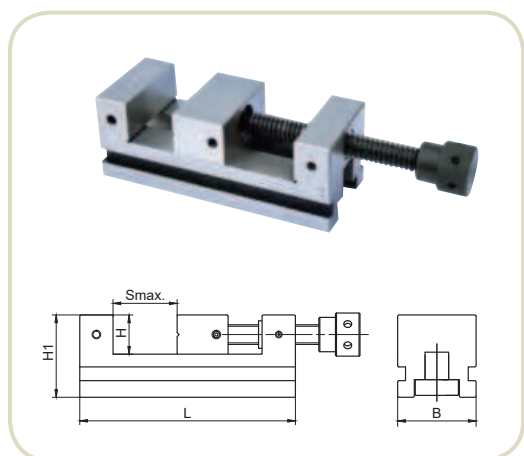
Order No. 货号	Size 型号	MS.NO.	L1 mm	D mm	D1 mm	D2 mm	L mm	重量 Wt(kg)
6514.0001	MDLC-D412B	MS2	28.5	40	17.780	18	141	0.84
6514.0002	MDLC-D413B	MS3	36.5	45	23.825	22	168	0.91
6514.0003	MDLC-D414B	MS4	36.5	45	31.267	22	190	1.62
6514.0004	MDLC-D415B	MS5	62	78	44.399	40	267.5	3.43
6514.0005	MDLC-D416B	MS6	75	102	63.348	50	346.5	11

PRECISION TOOL VISES / QGG 系列精密工具平口钳



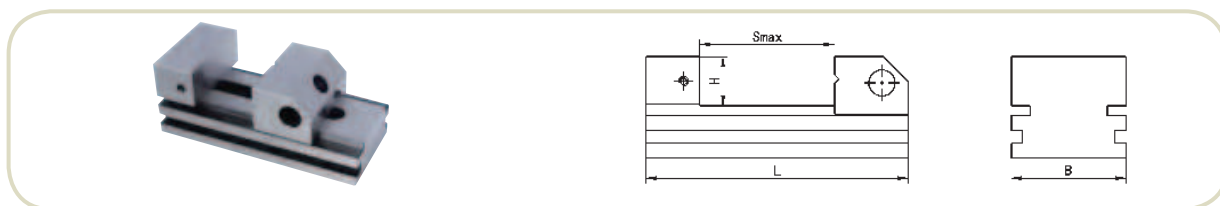
Order No. 货号	Size 型号	B mm	H mm	H ₁ mm	S _{max} mm	L mm	重量 Wt(Kg)
QGG50	QGG50	50	25	50	65	155	3.0
OGG60	OGG60	60	25	50	55	110	2.4
OGG63	OGG63	63	32	65	85	190	3.8
OGG73	OGG73	73	35	74	100	210	5.0
OGG80	OGG80	80	40	84	100	220	6.5
OGG88	OGG88	88	40	88	125	250	11.0
OGG100	OGG100	100	45	95	125	260	13.0
OGG125	OGG125	125	50	110	160	300	19.5
QGG125A	QGG125A	125	50	110	210	350	23.0
QGG150	QGG150	150	50	110	175	315	23.8

PRECISION TOOL VISES / QGG-C 系列精密工具平口钳



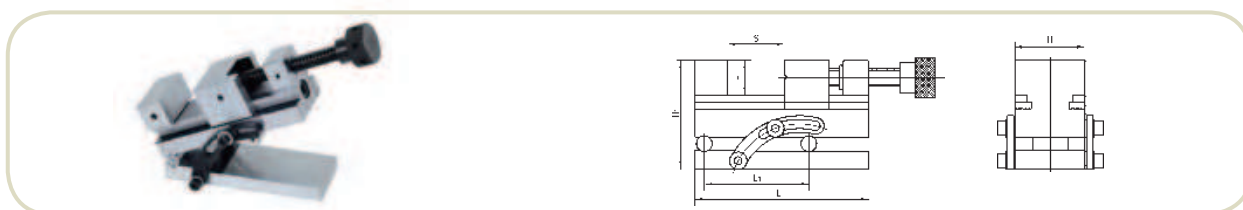
Order No. 货号	Size 型号	B mm	H mm	H ₁ mm	S _{max} mm	L mm	重量 Wt(Kg)
OGG50-C	OGG50-C	50	25	50	65	155	3.0
OGG60-C	OGG60-C	60	25	50	55	110	2.4
QGG63-C	QGG63-C	63	32	65	85	190	3.8
QGG73-C	QGG73-C	73	35	74	100	210	5.0
QGG80-C	QGG80-C	80	40	84	100	220	6.5
OGG88-C	OGG88-C	88	40	88	125	250	11.0
QGG100-C	QGG100-C	100	45	95	125	260	13.0
OGG125-C	OGG125-C	125	50	110	160	300	19.5
QGG125A-C	QGG125A-C	125	50	110	210	350	23.0
QGG150-C	QGG150-C	150	50	110	175	315	23.8

PRECISION TOOL VISES / 28600 型高精精密工具平口钳



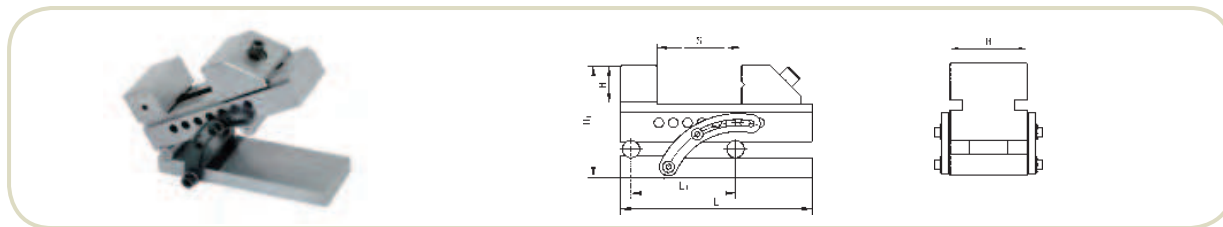
货号 Order No.	型号 Model	钳口宽 B Jaw Width (mm)	钳口深 H Jaw Depth (mm)	开口度 S Max. Opening (mm)	总长 L Over Length (mm)
28600 110	28600 110	34	15	25	75
28600 120	28600 120	45	20	50	110
28600 130	28600 130	70	30	80	160
28600 140	28600 140	90	40	120	210
28600 150	28600 150	120	40	150	280

PRECISION SINE TOOL VISE / ZXQGG 系列精密正弦工具平口钳



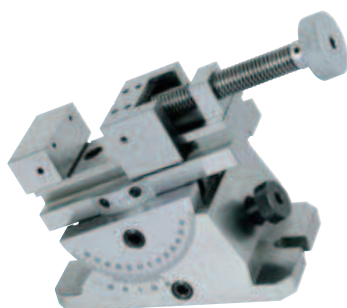
货号 Order No.	型号 Model	B mm	H mm	H ₁ mm	Smax mm	L mm	L1		调整角度范围
							mm	in	Adjustable angle range
ZXQGG50	ZXQGG50	50	25	86.6	60	140	100	4	0~45°
ZXQGG63	ZXQGG63	63	32	94.6	85	175		5	
ZXQGG73	ZXQGG73	73	35	111	90	190			
ZXQGG80	ZXQGG80	80	40	121	95	200			
ZXQGG88	ZXQGG88	88	40	125	120	235			
ZXQGG100	ZXQGG100	100	45	139.2	125	245	200		
ZXQGG125	ZXQGG125	125	50	154.2	160	285			
ZXQGG150	ZXQGG150	150	50	160.9	190	330		200	

PRECISION SINE TOOL VISE / ZXQKG 系列精密正弦工具平口钳



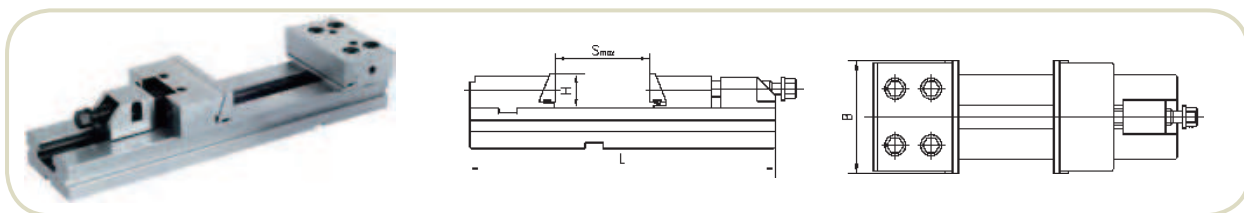
货号 Order No.	型号 Model	B mm	H mm	H ₁ mm	Smax mm	L mm	L1		调整角度范围	
							mm	in	Adjustable angle range	
ZXQKG50	ZXQKG50	50	25	79.36	65	140	100	4	0~45°	
ZXQKG63	ZXQKG63	63	32	92.36	85	175		5		
ZXQKG73	ZXQKG73	73	35	104	100	190				
ZXQKG80	ZXQKG80	80	40	117	100	200				
ZXQKG88	ZXQKG88	88	40	122	125	235				
ZXQKG100	ZXQKG100	100	45	134.08	125	245	200	10		
ZXQKG125	ZXQKG125	125	50	144.08	160	285				
ZXQKG150	ZXQKG150	150	50	150.9	200	330				

PRECISION UNIVERSAL VISE / CHM 型万向角度回转平口钳



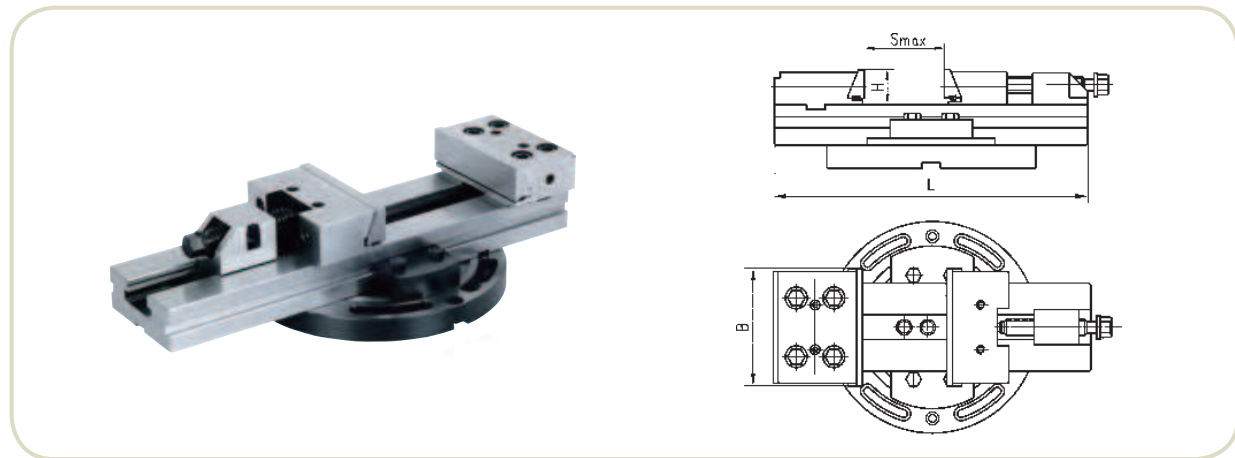
货号 Order No.	型号 Model	钳口宽 Jaw width (mm)	钳口深 JawsDepth (mm)	开口度 Max.Opening(mm)	外形尺寸 Outside Size (mm)
CHM50	CHM50	50	25	70	180x72x112
CHM80	CHM80	70	30	80	195x110x137
CHM120	CHM120	120	40	155	400x180x21

PRECISION MODULAR VISES / 精密组合平口钳



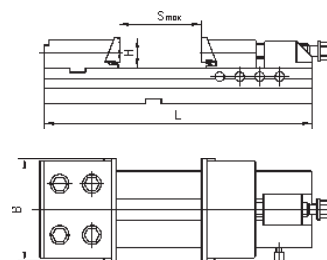
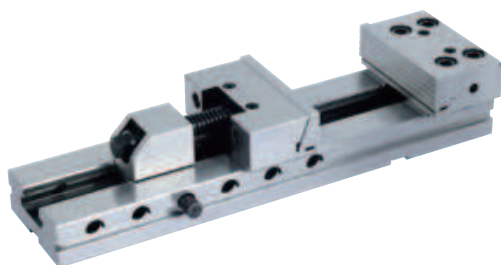
货号 Order No.	型号 Model	B mm	H mm	Smax mm	L mm	最大夹紧力(Kg) Clamping force
GT100- I	GT100- I	100	30	100	270	3000
GT125- I	GT125- I	125	40	150	345	3000
GT150A- I	GT150A- I	150	50	200	420	5000
GT150B- I	GT150B- I	150	50	300	520	5000
GT150C- I	GT150C- I	150	50	400	620	5000
GT175A- I	GT175A- I	175	60	200	455	6000
GT175B- I	GT175B- I	175	60	300	555	6000
GT175C- I	GT175C- I	175	60	400	655	6000
GT175D- I	GT175D- I	175	60	500	755	6000
GT175E- I	GT175E- I	175	60	600	855	6000
GT200A- I	GT200A- I	200	65	200	495	10000
GT200B- I	GT200B- I	200	65	300	595	10000
GT200C- I	GT200C- I	200	65	400	695	10000
GT200D- I	GT200D- I	200	65	500	795	10000
GT200E- I	GT200E- I	200	65	600	895	10000
GT300A- I	GT300A- I	300	80	200	535	12000
GT300B- I	GT300B- I	300	80	300	635	12000
GT300C- I	GT300C- I	300	80	400	735	12000
GT300D- I	GT300D- I	300	80	500	835	12000
GT300E- I	GT300E- I	300	80	600	935	12000
GT300F- I	GT300F- I	300	80	700	1035	12000
GT300G- I	GT300G- I	300	80	800	1135	12000

PRECISION MODULAR VISES WITH SWIVEL BASE / 带底座精密组合平口钳



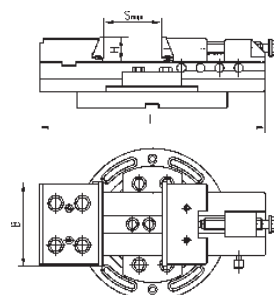
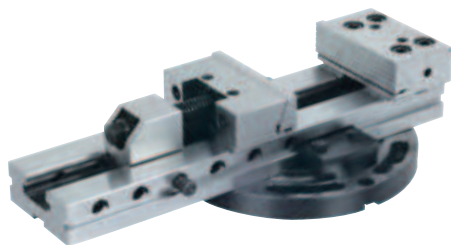
货号 Order No.	型号 Model	B mm	H mm	Smax mm	L mm	最大夹紧力(Kg) Clamping force
GT100-II	GT100-II	100	30	100	270	3000
GT125-II	GT125-II	125	40	150	345	3000
GT150A-II	GT150A-II	150	50	200	420	5000
GT150B-II	GT150B-II	150	50	300	520	5000
GT150C-II	GT150C-II	150	50	400	620	5000
GT175A-II	GT175A-II	175	60	200	455	6000
GT175B-II	GT175B-II	175	60	300	555	6000
GT175C-II	GT175C-II	175	60	400	655	6000
GT175D-II	GT175D-II	175	60	500	755	6000
GT175E-II	GT175E-II	175	60	600	855	6000
GT200A-II	GT200A-II	200	65	200	495	10000
GT200B-II	GT200B-II	200	65	300	595	10000
GT200C-II	GT200C-II	200	65	400	695	10000
GT200D-II	GT200D-II	200	65	500	795	10000
GT200E-II	GT200E-II	200	65	600	895	10000
GT300A-II	GT300A-II	300	80	200	535	12000
GT300B-II	GT300B-II	300	80	300	635	12000
GT300C-II	GT300C-II	300	80	400	735	12000
GT300D-II	GT300D-II	300	80	500	835	12000
GT300E-II	GT300E-II	300	80	600	935	12000
GT300F-II	GT300F-II	300	80	700	1035	12000
GT300G-II	GT300G-II	300	80	800	1135	12000

QUICK ACTION PRECISION MODULAR VISES / 快动式精密组合平口钳



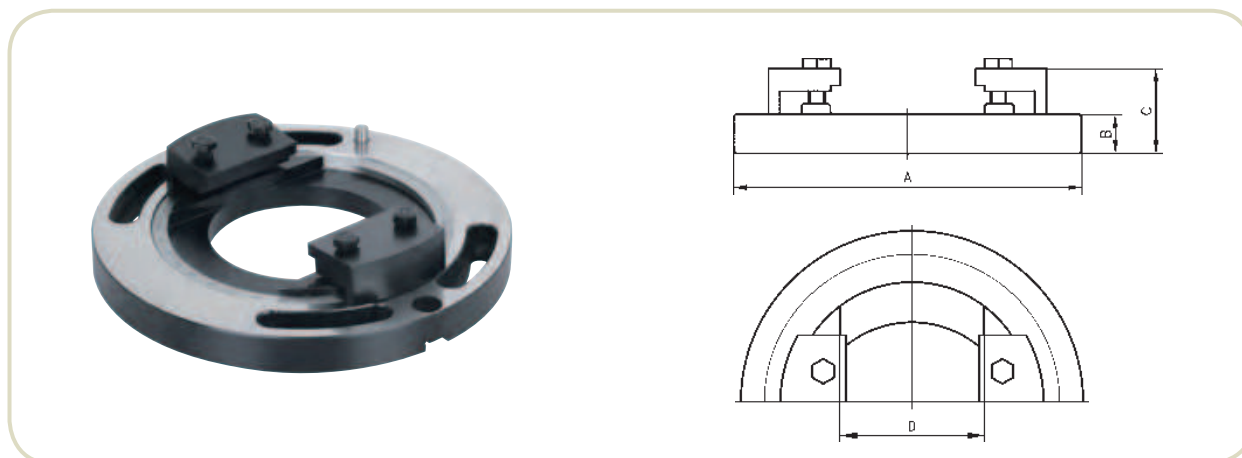
货号 Order No.	型号 Model	B mm	H mm	Smax mm	L mm	最大夹紧力(Kg) Clamping force
GT125-III	GT125-III	125	40	150	345	3000
GT150A-III	GT150A-III	150	50	200	420	5000
GT150B-III	GT150B-III	150	50	300	520	5000
GT175C-III	GT175C-III	175	60	400	655	6000

QUICK ACTION PRECISION MODULAR VISES WITH SWIVEL BASE / 带底座快动式精密组合平口钳



货号 Order No.	型号 Model	B mm	H mm	Smax mm	L mm	最大夹紧力(Kg) Clamping force
GT125-IV	GT125-IV	125	40	150	345	3000
GT150A-IV	GT150A-IV	150	50	200	420	5000
GT150B-IV	GT150B-IV	150	50	300	520	5000
GT175C-IV	GT175C-IV	175	60	400	655	6000

SWIVEL BASE SERIES / 平口钳圆底座



货号 Order No.	型号 Model	A mm	B mm	C mm	D mm	使用范围 Suitable Vises
GT100-08	GT100-08	180	20	43.5	75	GT100-I
GT125-08	GT125-08	226	23	47	95	GT125-I GT125-III
GT150-08	GT150-08	290	28	58	125	GT150A(B,C)-I GT150A(B)-III
GT175-08	GT175-08	320	28	58	145	GT175A(B,C,D,E)-I GT175C-III
GT200-08	GT200-08	370	34	74	170	GT200A(B,C,D,E)-I
GT300-08	GT300-08	400	38	78	195	GT300A(B,C,D,E,F,G)-I

QM16N SERIES MACHINE VICE / QM16N型精密机用平口钳



货号 Order No.	型号 Model	钳口宽度 Width of Jaw (mm)	钳口高度 Height of Jaw (mm)	钳口开口度 Max. Opening(mm)	总长度 Over length (mm)
QM1680N	QM1680N	80	24	75	256
QM16100N	QM16100N	100	32	100	305
QM16160N	QM16160N	160	45	140	438
QM16200N	QM16200N	200	50	190	517
QM16250N	QM16250N	250	70	250	656

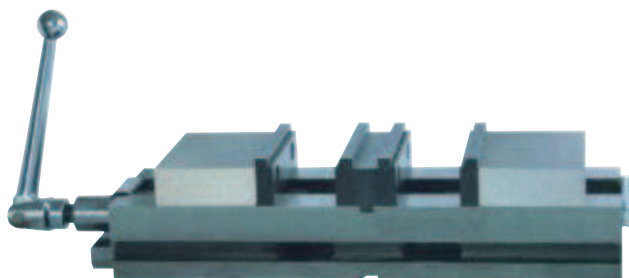
ACCU-LOCK PRECISION MACHINE VISES / QM 型精密机用平口钳



货号 Order No.	型号 Model	钳口宽度 Width of Jaw mm	钳口高度 Height of Jaw mm	钳口开口度 Max. Opening mm	毛重/净重 GW./NW. kg	装箱数量 Q' TY	包装尺寸(mm) Packing Size
QM16100	QM16100	100	32	100	17/16	1	380x250x180
QM16125	QM16125	125	40	125	21/20	1	460x290x190
QM16160	QM16160	160	45	150	36/35	1	480x320x220
QM16200	QM16200	200	50	190	58/56	1	580x360x260

Q93 DOUBLE-ACTION ANGLE TIGHT MACHINE VICE

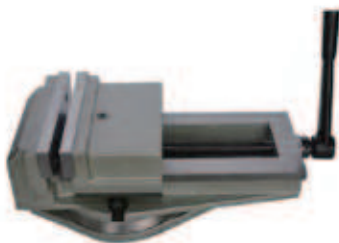
/ Q93 型双向角度压紧系列平口钳



货号 Order No.	型号 Model	钳口宽度 Width of Jaw mm	钳口高度 Height of Jaw mm	钳口开口度 Max. Opening mm	毛重/净重 GW./NW. kg	装箱数量 Q' TY	包装尺寸(cm) Packing Size
Q93100	Q93100	100	35	76	19/17	木箱	58x18x16.5
Q93160	Q93160	160	50	100	54/47	木箱	73x28x20



Q13(QB) SERIES MACHINE VICE / Q13(QB)系列平口钳



货号 Order No.	型号 Model	钳口宽度 Width of Jaw mm	钳口高度 Height of Jaw mm	钳口开口度 Max. Opening mm	毛重/净重 GW./NW. kg	装箱数量 Q' TY	包装尺寸(mm) Packing Size
Q13136	Q13136	135	36	170	17/16	1	450x200x180
Q13160	Q13160	160	51	180	27/26	1	450x200x200
Q13200	Q13200	200	64	220	38/37	1	510x240x220
Q13250	Q13250	250	64	280	56/54	1	610x360x250
Q13320	Q13320	320	81	360	81/79	1	740x360x260