

MAS403 BT



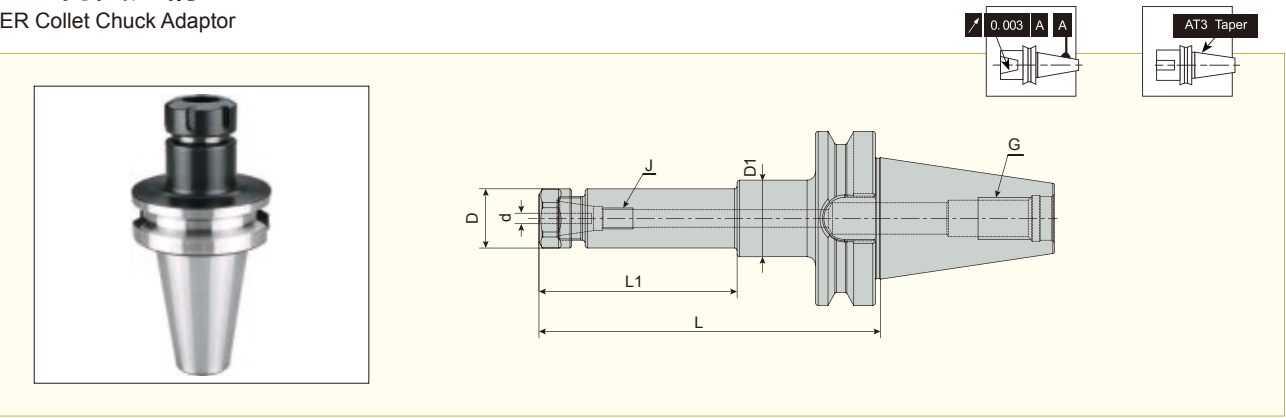
D 刀柄系统 ADAPTORS

MAS403 BT

ER 筒夹刀柄	D3
ER Collet Chuck Adaptor	
高精度 ER 筒夹刀柄	D5
High Precision ER Collet Chuck Adaptor	
液压刀柄	D7
Hydraulic Chuck Adaptor	
强力铣夹头刀柄	D10
Power Chuck Adaptor	
侧固式刀柄 (DIN 1835-B)	D11
Weldon Adaptor	
2° 侧固式刀柄 (DIN 1835-E)	D12
2° Weldon Adaptor	
热缩刀柄	D13
Shrink Fit Adaptor	
攻丝刀柄	D15
Tapping Chuck Adaptor	
面铣刀刀柄	D16
Face Mill Adaptor	
侧铣刀刀柄	D17
Side Mill Adaptor	
带扁尾莫氏锥孔刀柄	D18
Morse Taper With Tang Adaptor	
无扁尾莫氏锥孔刀柄	D19
Morse Taper With Draw Thread Adaptor	
钻夹头刀柄	D20
Drill chuck adaptor	
可调刀柄	D20
Adjustable Adaptor	

MAS403 BT

ER 筒夹刀柄
ER Collet Chuck Adaptor



规格型号 Designation	L	D	d	D1	L1	J	G	Kg	在库 Stock
BT30 ER16x70	70	28	0.5-10	-	-	M10	M12	0.55	●
BT30 ER16x100	100	28	0.5-10	-	-	M10	M12	0.71	●
BT30 ER20x70	70	34	1-13	-	-	M12	M12	0.63	●
BT30 ER20x100	100	34	1-13	-	-	M12	M12	0.83	●
BT30 ER25x60	60	42	1-16	-	-	M16	M12	0.64	●
BT30 ER25x100	100	42	1-16	-	-	M16	M12	1.06	●
BT30 ER32x60	60	50	2-20	-	-	M18x1.5	M12	0.70	●
BT30 ER32x100	100	50	2-20	-	-	M22x1.5	M12	1.05	●
BT40 ER16x70	70	28	0.5-10	-	-	M10	M16	1.12	●
BT40 ER16x100	100	28	0.5-10	-	-	M10	M16	1.27	●
BT40 ER16x150	150	28	0.5-10	40	85	M10	M16	1.64	●
BT40 ER16x200	200	28	0.5-10	40	110	M10	M16	1.98	●
BT40 ER20x70	70	34	1-13	-	-	M12	M16	1.17	●
BT40 ER20x100	100	34	1-13	-	-	M12	M16	1.35	●
BT40 ER20x120	120	34	1-13	-	-	M12	M16	1.47	●
BT40 ER20x150	150	34	1-13	-	-	M12	M16	1.66	●
BT40 ER25x60	60	42	1-16	-	-	M16	M16	1.17	●
BT40 ER25x100	100	42	1-16	-	-	M16	M16	1.56	●
BT40 ER25x150	150	42	1-16	-	-	M16	M16	1.96	●
BT40 ER32x60	60	50	2-20	-	-	M22x1.5	M16	1.20	●
BT40 ER32x100	100	50	2-20	-	-	M22x1.5	M16	1.75	●
BT40 ER32x120	120	50	2-20	-	-	M22x1.5	M16	2.04	●
BT40 ER32x150	150	50	2-20	-	-	M22x1.5	M16	2.48	●
BT40 ER32x200	200	50	2-20	57	113	M22x1.5	M16	3.45	●
BT40 ER40x80	80	63	3-26	-	-	M28x1.5	M16	1.60	●
BT40 ER40x100	100	63	3-26	-	-	M28x1.5	M16	1.88	●
BT40 ER40x150	150	63	3-26	-	-	M28x1.5	M16	3.20	●

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT30 ER16x70
- If needing the hole for data chip, please add "X" at the end of the designation
- Ordering sample: 1 PC BT30 ER16x70

备件

Spare Parts

规格型号 Designation	螺帽 ER NUT
ER16	NUT ER16
ER20	NUT ER20
ER25	NUT ER25
ER32	NUT ER32
ER40	NUT ER40

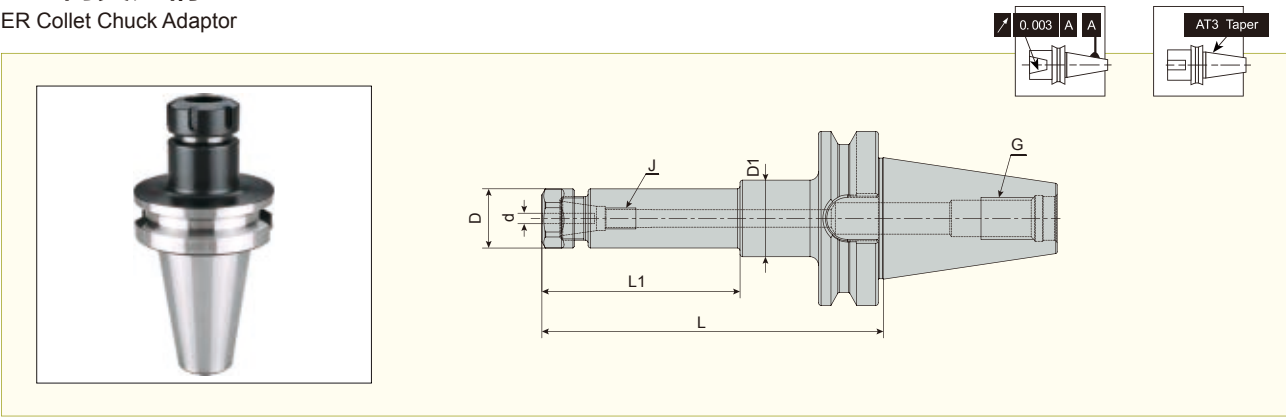
● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

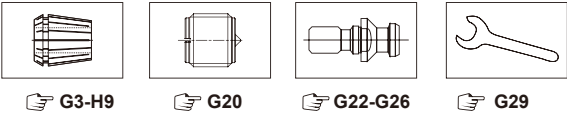
MAS403 BT

ER 筒夹刀柄
ER Collet Chuck Adaptor



规格型号 Designation	L	D	d	D1	L1	J	G	Kg	在库 Stock
BT50 ER16x100	100	28	0.5-10	-	-	M10	M24	3.82	●
BT50 ER16x125	125	28	0.5-10	-	-	M10	M24	4.07	●
BT50 ER16x150	150	28	0.5-10	-	-	M10	M24	4.08	●
BT50 ER16x200	200	28	0.5-10	40	85	M10	M24	4.57	●
BT50 ER20x100	100	34	1-13	-	-	M12	M24	3.83	●
BT50 ER20x125	125	34	1-13	-	-	M12	M24	3.99	●
BT50 ER20x150	150	34	1-13	-	-	M12	M24	4.15	●
BT50 ER20x200	200	34	1-13	50	85	M12	M24	4.69	●
BT50 ER25x100	100	42	1-16	-	-	M16	M24	4.07	●
BT50 ER25x150	150	42	1-16	-	-	M16	M24	4.56	●
BT50 ER25x200	200	42	1-16	55	87	M16	M24	5.63	●
BT50 ER32x100	100	50	2-20	-	-	M22x1.5	M24	4.20	●
BT50 ER32x125	125	50	2-20	-	-	M22x1.5	M24	4.60	●
BT50 ER32x150	150	50	2-20	-	-	M22x1.5	M24	4.87	●
BT50 ER32x200	200	50	2-20	63	88	M22x1.5	M24	6.20	●
BT50 ER40x100	100	63	3-26	-	-	M28x1.5	M24	4.48	●
BT50 ER40x150	150	63	3-26	-	-	M28x1.5	M24	5.57	●
BT50 ER40x200	200	63	3-26	-	-	M28x1.5	M24	6.67	●

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT50 ER16x100
- If needing the hole for data chip, please add "X" at the end of the designation
- Ordering sample: 1 PC BT50 ER16x100



备件

Spare Parts

规格型号 Designation	螺帽 ER NUT
ER16	NUT ER16
ER20	NUT ER20
ER25	NUT ER25
ER32	NUT ER32
ER40	NUT ER40

● 标准库存
Item in stock

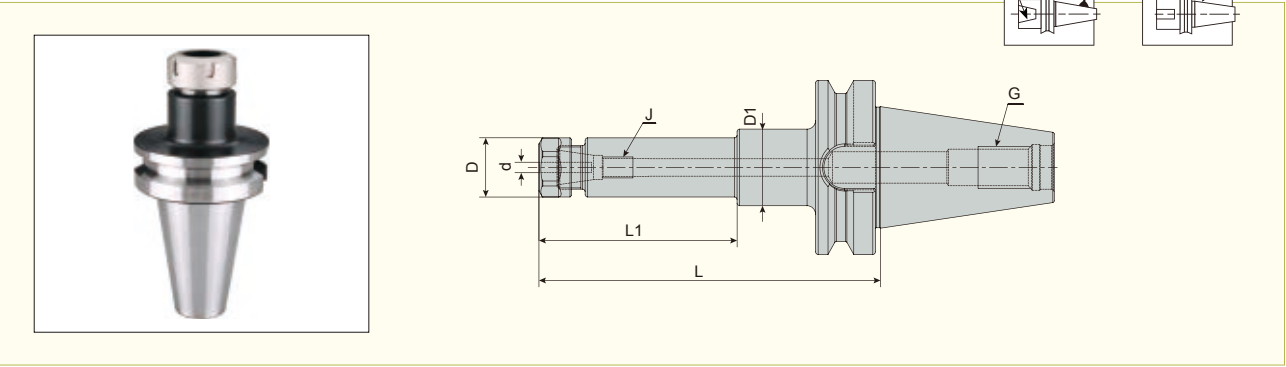
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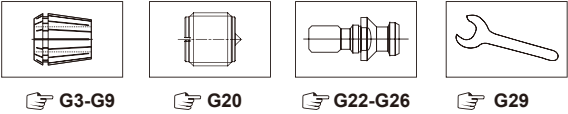
高精度 ER 筒夹刀柄

High Precision ER Collet Chuck Adaptor



规格型号 Designation	L	D	d	D1	L1	J	G	Kg	在庫 Stock
BT30 ER16x70.TOP	70	28	0.5-10	-	-	M10	M12	0.55	●
BT30 ER16x100.TOP	100	28	0.5-10	-	-	M10	M12	0.71	●
BT30 ER20x70.TOP	70	34	1-13	-	-	M12	M12	0.63	●
BT30 ER20x100.TOP	100	34	1-13	-	-	M12	M12	0.83	●
BT30 ER25x60.TOP	60	42	1-16	-	-	M16	M12	0.64	●
BT30 ER25x100.TOP	100	42	1-16	-	-	M16	M12	1.06	●
BT30 ER32x60.TOP	60	50	2-20	-	-	M18x1.5	M12	0.70	●
BT30 ER32x100.TOP	100	50	2-20	-	-	M22x1.5	M12	1.05	●
BT40 ER16x70.TOP	70	28	0.5-10	-	-	M10	M16	1.12	●
BT40 ER16x100.TOP	100	28	0.5-10	-	-	M10	M16	1.27	●
BT40 ER16x150.TOP	150	28	0.5-10	40	85	M10	M16	1.64	●
BT40 ER16x200.TOP	200	28	0.5-10	40	110	M10	M16	1.98	●
BT40 ER20x70.TOP	70	34	1-13	-	-	M12	M16	1.17	●
BT40 ER20x100.TOP	100	34	1-13	-	-	M12	M16	1.35	●
BT40 ER20x120.TOP	120	34	1-13	-	-	M12	M16	1.47	●
BT40 ER20x150.TOP	150	34	1-13	-	-	M12	M16	1.66	●
BT40 ER25x60.TOP	60	42	1-16	-	-	M16	M16	1.17	●
BT40 ER25x100.TOP	100	42	1-16	-	-	M16	M16	1.56	●
BT40 ER25x150.TOP	150	42	1-16	-	-	M16	M16	1.96	●
BT40 ER32x60.TOP	60	50	2-20	-	-	M22x1.5	M16	1.20	●
BT40 ER32x100.TOP	100	50	2-20	-	-	M22x1.5	M16	1.75	●
BT40 ER32x120.TOP	120	50	2-20	-	-	M22x1.5	M16	2.04	●
BT40 ER32x150.TOP	150	50	2-20	-	-	M22x1.5	M16	2.48	●
BT40 ER32x200.TOP	200	50	2-20	57	113	M22x1.5	M16	3.45	●
BT40 ER40x80.TOP	80	63	3-26	-	-	M28x1.5	M16	1.60	●
BT40 ER40x100.TOP	100	63	3-26	-	-	M28x1.5	M16	1.88	●
BT40 ER40x150.TOP	150	63	3-26	-	-	M28x1.5	M16	3.20	●

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT30 ER16x70.TOP
- If needing the hole for data chip, please add "X" at the end of the designation
- Ordering sample: 1 PC BT30 ER16x70.TOP



备件

Spare Parts

规格型号 Designation	螺帽 ER NUT
ER16.TOP	NUT ER16.TOP
ER20.TOP	NUT ER20.TOP
ER25.TOP	NUT ER25.TOP
ER32.TOP	NUT ER32.TOP
ER40.TOP	NUT ER40.TOP

● 标准库存
Item in stock

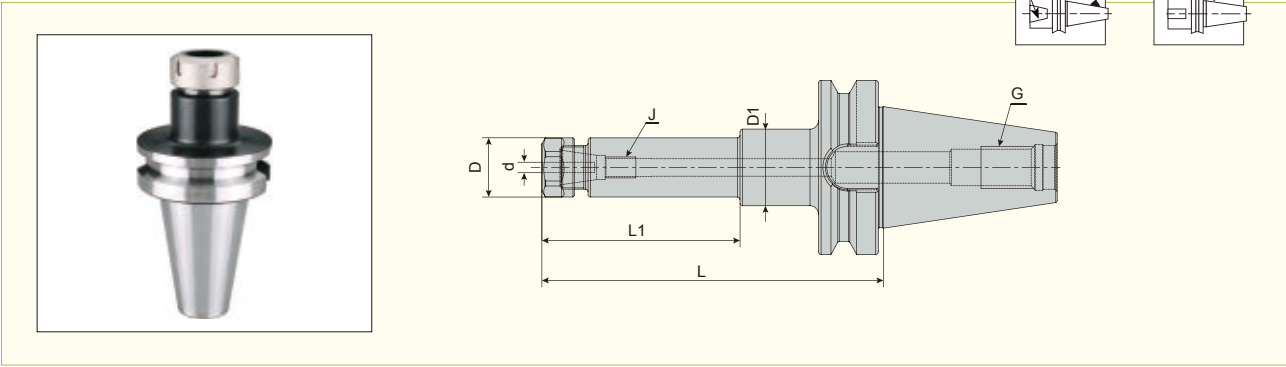
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MAS403 BT

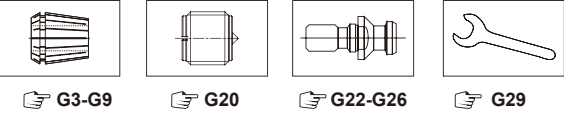
高精度 ER 筒夹刀柄

High Precision ER Collet Chuck Adaptor



规格型号 Designation	L	D	d	D1	L1	J	G	Kg	在庫 Stock
BT50 ER16x100.TOP	100	28	0.5-10	-	-	M10	M24	3.82	●
BT50 ER16x125.TOP	125	28	0.5-10	-	-	M10	M24	4.07	●
BT50 ER16x150.TOP	150	28	0.5-10	-	-	M10	M24	4.08	●
BT50 ER16x200.TOP	200	28	0.5-10	40	85	M10	M24	4.57	●
BT50 ER20x100.TOP	100	34	1-13	-	-	M12	M24	3.83	●
BT50 ER20x125.TOP	125	34	1-13	-	-	M12	M24	3.99	●
BT50 ER20x150.TOP	150	34	1-13	-	-	M12	M24	4.15	●
BT50 ER20x200.TOP	200	34	1-13	50	85	M12	M24	4.69	●
BT50 ER25x100.TOP	100	42	1-16	-	-	M16	M24	4.07	●
BT50 ER25x150.TOP	150	42	1-16	-	-	M16	M24	4.56	●
BT50 ER25x200.TOP	200	42	1-16	55	87	M16	M24	5.63	●
BT50 ER32x100.TOP	100	50	2-20	-	-	M22x1.5	M24	4.20	●
BT50 ER32x125.TOP	125	50	2-20	-	-	M22x1.5	M24	4.60	●
BT50 ER32x150.TOP	150	50	2-20	-	-	M22x1.5	M24	4.87	●
BT50 ER32x200.TOP	200	50	2-20	63	88	M22x1.5	M24	6.20	●
BT50 ER40x100.TOP	100	63	3-26	-	-	M28x1.5	M24	4.48	●
BT50 ER40x150.TOP	150	63	3-26	-	-	M28x1.5	M24	5.57	●
BT50 ER40x200.TOP	200	63	3-26	-	-	M28x1.5	M24	6.67	●

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT50 ER16x100.TOP
- If needing the hole for data chip, please add "X" at the end of the designation
- Ordering sample: 1 PC BT50 ER16x100.TOP



备件

Spare Parts

规格型号 Designation	螺帽 ER NUT
ER16.TOP	NUT ER16.TOP
ER20.TOP	NUT ER20.TOP
ER25.TOP	NUT ER25.TOP
ER32.TOP	NUT ER32.TOP
ER40.TOP	NUT ER40.TOP

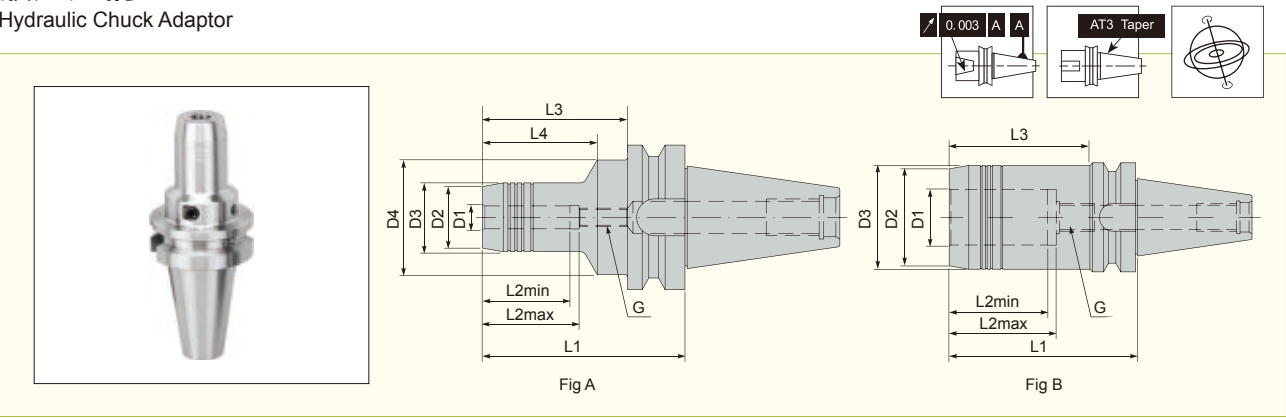
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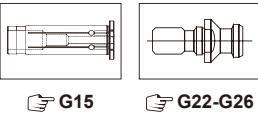
MAS403 BT

液压刀柄
Hydraulic Chuck Adaptor



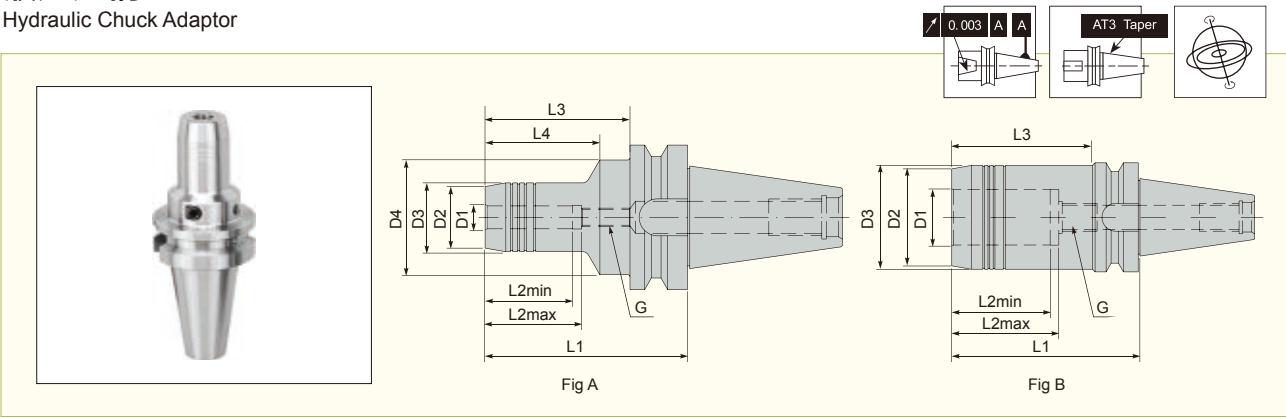
规格型号 Designation	D1	D2	D3	D4	L1	L2max	L2min	L3	L4	G	Fig	在庫 Stock
BT30 HYDRO 6x60	6	23	26	45	60	37	27	38	33	M5	FigA	●
BT30 HYDRO 8x64	8	25	28	45	64	37	27	42	29	M6	FigA	●
BT30 HYDRO 10x64	10	27	30	45	64	42	32	42	37	M8x1.0	FigA	●
BT30 HYDRO 12x72	12	29	32	45	72	47	37	50	43	M10×1.0	FigA	●
BT30 HYDRO 14x70	14	30	34	45	70	47	37	48	33	M10×1.0	FigA	●
BT30 HYDRO 16x90	16	34	38	45	90	52	42	68	52	M12×1.0	FigA	●
BT30 HYDRO 18x90	18	36	40	42	90	52	42	68	52	M12×1.0	FigA	●
BT30 HYDRO 20x90	20	38	42	-	90	52	42	68	-	M12×1.0	FigB	●

- 刀在 2.5 x D 处回转精度 < 0.003 mm
- 转速为 25,000 RPM 时动平衡等级达到 G2.5 或 Umax < 1g mm
- 用于自动换刀
- 使用减径套可夹持更多直径尺寸
- 订货示例：1 件 BT40 HYDRO 32x110
- Run-out accuracy < 0.003 mm at 2.5 x D
- Balancing grade G2.5 at 25,000 RPM or Umax < 1g mm
- For automatic tool change
- Additional shank diameters can be clamped using intermediatesleeves
- Ordering sample: 1 PC BT40 HYDRO 32x110



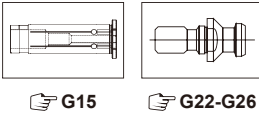
MAS403 BT

液压刀柄
Hydraulic Chuck Adaptor



规格型号 Designation	D1	D2	D3	D4	L1	L2max	L2min	L3	L4	G	Fig	在庫 Stock
BT40 HYDRO 6x90	6	23	26	50	90	37	27	63	43	M5	FigA	●
BT40 HYDRO 8x90	8	25	28	50	90	37	27	63	43.5	M6	FigA	●
BT40 HYDRO 10x90	10	27	30	50	90	42	32	63	44	M8x1.0	FigA	●
BT40 HYDRO 12x90	12	29	32	50	90	47	37	63	44.5	M10×1.0	FigA	●
BT40 HYDRO 14x90	14	30	34	50	90	47	37	63	47.5	M10×1.0	FigA	●
BT40 HYDRO 16x90	16	34	38	50	90	52	42	63	47.5	M12×1.0	FigA	●
BT40 HYDRO 18x90	18	36	40	50	90	52	42	63	47.5	M12×1.0	FigA	●
BT40 HYDRO 20x90	20	38	42	50	90	52	42	63	47.5	M12×1.0	FigA	●
BT40 HYDRO 25x90	25	46	50	-	90	58	48	55	-	M12×1.0	FigB	●
BT40 HYDRO 32x110	32	56	60	-	110	62	52	83	-	M16×1.0	FigB	●

- 刀在 2.5 x D 处回转精度 < 0.003 mm
- 转速为 25,000 RPM 时动平衡等级达到 G2.5 或 Umax < 1g mm
- 用于自动换刀
- 使用减径套可夹持更多直径尺寸
- 订货示例：1 件 BT40 HYDRO 32x110
- Run-out accuracy < 0.003 mm at 2.5 x D
- Balancing grade G2.5 at 25,000 RPM or Umax < 1g mm
- For automatic tool change
- Additional shank diameters can be clamped using intermediatesleeves
- Ordering sample: 1 PC BT40 HYDRO 32x110



● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

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Order on demand
(please confirm delivery time when ordering it)

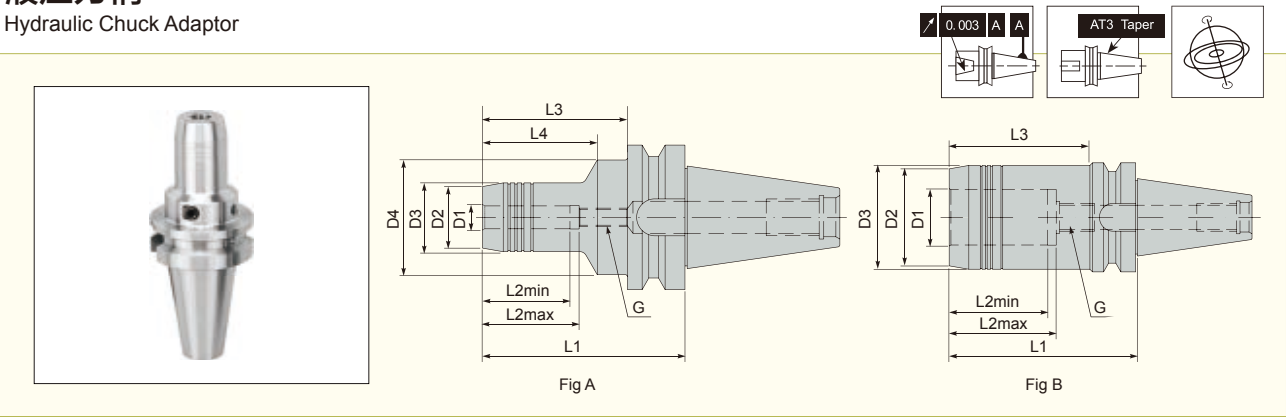
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Item in stock

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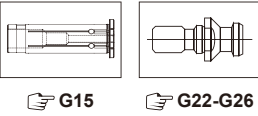
MAS403 BT

液压刀柄
Hydraulic Chuck Adaptor



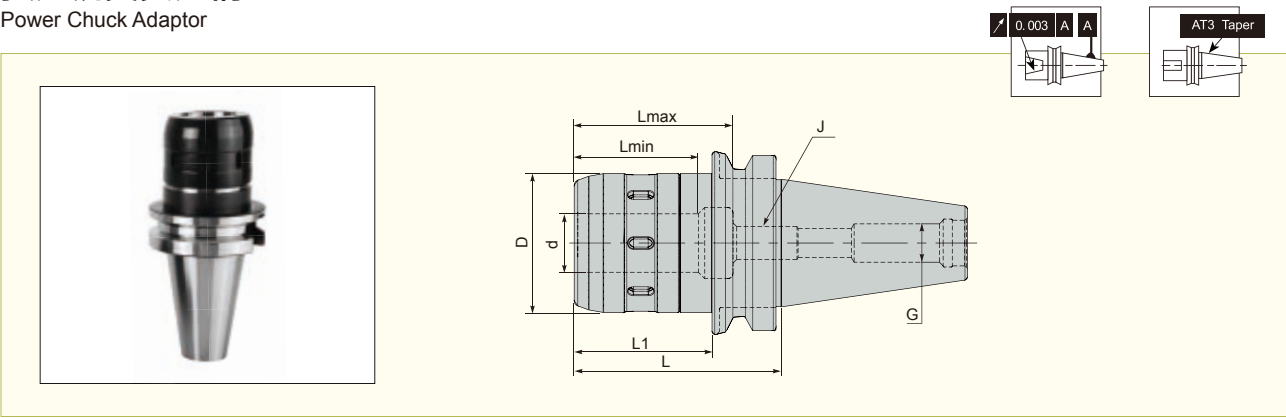
规格型号 Designation	D1	D2	D3	D4	L1	L2max	L2min	L3	L4	G	Fig	在庫 Stock
BT50 HYDRO 6x110	6	23	26	80	110	37	27	72	43	M5	FigA	●
BT50 HYDRO 8x110	8	25	28	80	110	37	27	72	43.5	M6	FigA	●
BT50 HYDRO 10x110	10	27	30	80	110	42	32	72	44	M8×1.0	FigA	●
BT50 HYDRO 12x110	12	29	32	80	110	47	37	72	42	M10×1.0	FigA	●
BT50 HYDRO 14x110	14	30	34	80	110	47	37	72	42	M10×1.0	FigA	●
BT50 HYDRO 16x110	16	34	38	80	110	52	42	72	45	M12×1.0	FigA	●
BT50 HYDRO 18x110	18	36	40	80	110	52	42	72	45	M12×1.0	FigA	●
BT50 HYDRO 20x110	20	28	42	80	110	52	42	72	47.5	M12×1.0	FigA	●
BT50 HYDRO 25x110	25	46	50	80	110	58	48	72	47.5	M12×1.0	FigA	●
BT50 HYDRO 32x110	32	56	60	80	110	64	54	72	47.5	M12×1.0	FigA	●

- 刀在 2.5 x D 处回转精度 < 0.003 mm
- 转速为 25,000 RPM 时动平衡等级达到 G2.5 或 Umax < 1g mm
- 用于自动换刀
- 使用减径套可夹持更多直径尺寸
- 订货示例：1 件 BT40 HYDRO 32x110
- Run-out accuracy < 0.003 mm at 2.5 x D
- Balancing grade G2.5 at 25,000 RPM or Umax < 1g mm
- For automatic tool change
- Additional shank diameters can be clamped using intermediatesleeves
- Ordering sample: 1 PC BT40 HYDRO 32x110



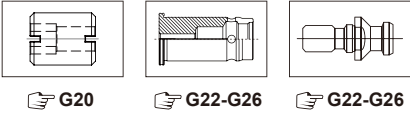
MAS403 BT

强力铣夹头刀柄
Power Chuck Adaptor



规格型号 Designation	D	d	L	L1	Lmin	Lmax	J	G	KG	在庫 Stock
BT40 DMG32X105	75	32	105	78	-	95	M16	M16	2.9	○
BT40 DMG32X110.C	76	32	110	83	68	87	M16	M16	2.95	○
BT50 DMG32X105	75	32	105	67	-	95	M24	M24	5.0	○
BT50 DMG32X110.C	76	32	113.5	75.5	68	87	M20x2	M24	5.33	○

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT40 DMG32X105
- 强力直柄筒夹，请参照：☞ H17 页
- 选配轴向调节螺钉，请参照：☞ H23 页
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT40 DMG32X105.
- Power straight shank collet, please see page H17
- The optional axial adjusting screw, please see page H23



● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

● 标准库存
Item in stock

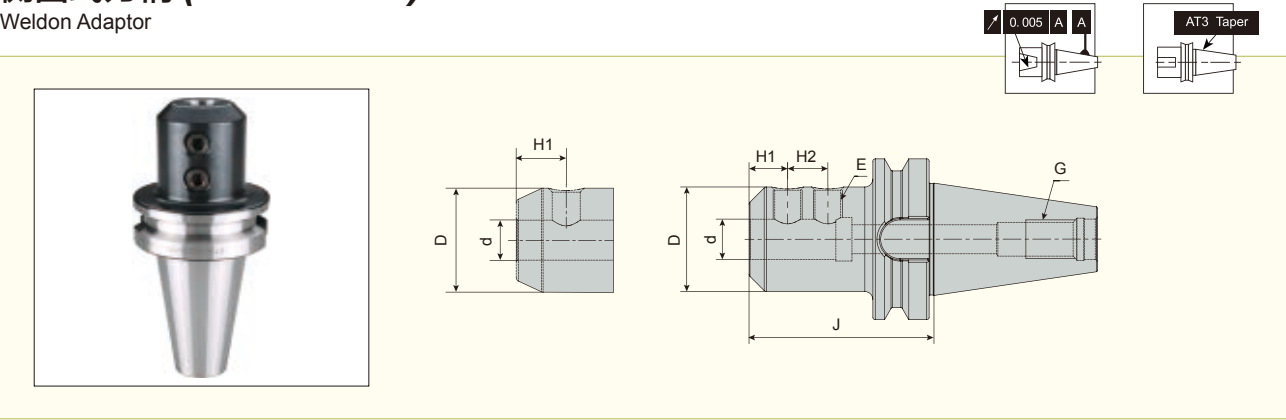
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Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)



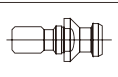
MAS403 BT

侧固式刀柄 (DIN 1835-B)
Weldon Adaptor



规格型号 Designation	d	D	L	H1	H2	E	G	Kg	在庫 Stock
BT30 EM16x60	16	46	60	24	-	M14	M12	0.79	●
BT30 EM20x80	20	52	80	25	-	M16	M12	1.04	●
BT40 EM16x65	16	48	65	24	-	M14	M16	1.35	●
BT40 EM20x75	20	52	75	25	-	M16	M16	1.54	●
BT40 EM25x105	25	65	105	24	25	M18x2	M16	2.5	●
BT40 EM32x110	32	72	110	24	28	M20x2	M16	2.84	●
BT50 EM16x100	16	48	100	24	-	M14	M24	4.21	●
BT50 EM20x100	20	52	100	25	-	M16	M24	4.28	●
BT50 EM25x115	25	65	115	24	25	M18x2	M24	5.06	●
BT50 EM32x115	32	72	115	24	28	M20x2	M24	5.28	●
BT50 EM40x115	40	90	115	30	32	M20x2	M24	6.18	●
BT50 EM50x125	50	100	125	35	35	M24x2	M24	6.94	●

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT30 EM16x60
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT30 EM16x60



G22-G26

备件

Spare Parts

规格型号 Designation	锁紧螺钉 Clamping screwscrew	锁紧扳手（选配） Allen key for clamping screw
EM16	SR54 M14x16	KEY01 M6
EM20	SR54 M16x16	KEY01 M8
EM25	SR54 M18x20-X	KEY01 M8
EM32	SR54 M20x20-X	KEY01 M10
EM40	SR54 M20x25-X	KEY01 M10
EM50	SR54 M24x25-X	KEY01 M12

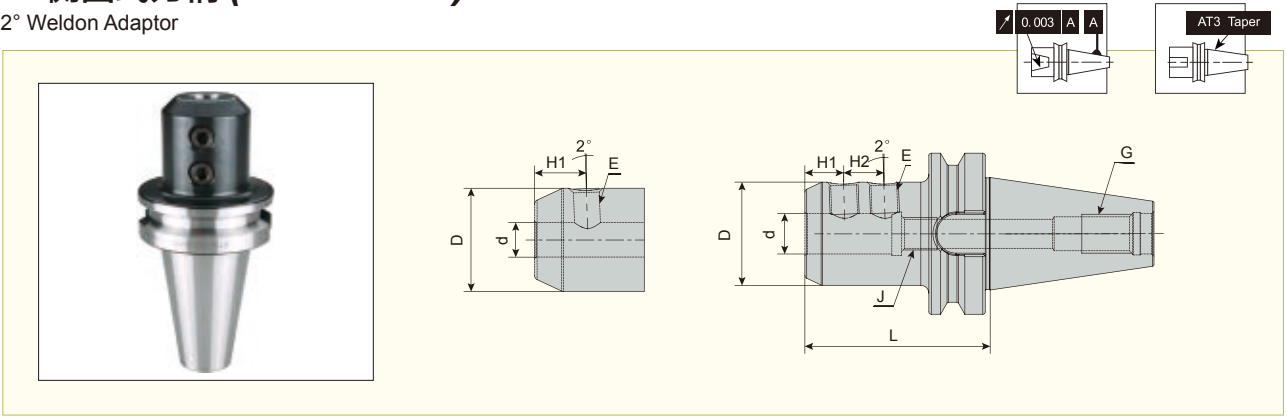
● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

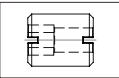
MAS403 BT

2° 侧固式刀柄 (DIN 1835-E)
2° Weldon Adaptor

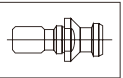


规格型号 Designation	d	D	L	H1	H2	E	J	G	Kg	在庫 Stock
BT40 EM16x65E	16	48	65	24	-	M14	M12	M16	1.38	●
BT40 EM20x75E	20	52	75	25	-	M16	M16	M16	1.55	●
BT40 EM25x105E	25	65	105	24	22	M18x2	M20X2	M16	2.47	●
BT40 EM32x110E	32	72	110	24	24	M20x2	M20X2	M16	2.80	●
BT50 EM16x100E	16	48	100	24	-	M14	M12	M24	4.27	●
BT50 EM20x100E	20	52	100	25	-	M16	M16	M24	4.36	●
BT50 EM25x115E	25	65	115	24	22	M18x2	M20X2	M24	5.08	●
BT50 EM32x115E	32	72	115	24	24	M20x2	M20X2	M24	5.25	●
BT50 EM40x115E	40	90	115	30	30	M20x2	M20X2	M24	6.19	●
BT50 EM50x125E	50	98	125	35	33	M24x2	M20X2	M24	6.94	●

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT40 EM16x65E
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT40 EM16x65E



G20



G22-G26

备件

Spare Parts

规格型号 Designation	锁紧螺钉 Clamping screwscrew	锁紧扳手（选配） Allen key for clamping screw
EM16	SR54 M14x16	KEY01 M6
EM20	SR54 M16x16	KEY01 M8
EM25	SR54 M18x20-X	KEY01 M8
EM32	SR54 M20x20-X	KEY01 M10
EM40	SR54 M20x25-X	KEY01 M10
EM50	SR54 M24x25-X	KEY01 M12

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

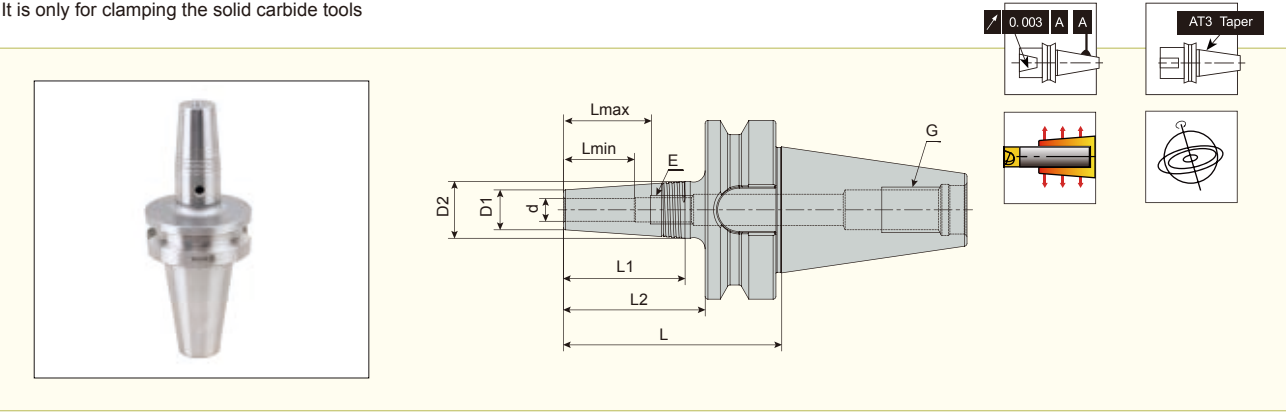
○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

MAS403 BT

热缩刀柄

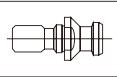
Shrink Fit Adaptor

BT MAS403 型热缩刀柄，仅用于夹持整体硬质合金刀具。
It is only for clamping the solid carbide tools



规格型号 Designation	d	D1	D2	L1	L2	L	Lmin	Lmax	E	G	Kg	在庫 Stock
BT40 SRK3x77	3	10	15	35.55	50	77	10	16	M6	M16	1.0	○
BT40 SRK3x112	3	10	19	64.15	85	112	10	16	M6	M16	1.0	○
BT40 SRK4x77	4	10	15	35.55	50	77	12	18	M6	M16	1.0	○
BT40 SRK4x112	4	10	19	64.15	85	112	12	18	M6	M16	1.0	○
BT40 SRK5x77	5	10	15	35.55	50	77	15	21	M6	M16	1.0	○
BT40 SRK5x112	5	10	19	64.15	85	112	15	21	M6	M16	1.0	○
BT40 SRK6x77	6	11	16	35.55	50	77	18	24	M8	M16	1.0	●
BT40 SRK6x112	6	11	20	64.15	85	112	18	24	M8	M16	1.1	●
BT40 SRK8x77	8	14	20	42.50	50	77	25	31	M10	M16	1.0	●
BT40 SRK8x112	8	14	23	63.95	85	112	25	31	M10	M16	1.1	●
BT40 SRK10x77	10	16	22	42.40	50	77	30	36	M12	M16	1.0	●
BT40 SRK10x112	10	16	25	60.28	85	112	30	36	M12	M16	1.1	●
BT40 SRK12x77	12	20	26	42.30	50	77	32	42	M10	M16	1.1	●
BT40 SRK12x112	12	20	28	56.60	85	112	32	42	M10	M16	1.2	●

- 当工作转速 N=25,000RPM 时，刀柄的平衡等级为 G2.5
- 刀柄若需数据芯片孔，请在型号后加 "X"
- 订货示例：1 件 BT40 SRK3x77
- The collet should be ordered separately.
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT40 SRK3x77.



G22-G26

备件

Spare Parts

E	轴向调节螺钉 Clamping screw	锁紧扳手（选配） Allen key for clamping screw
M6	SR50 M6x20.BC	KEY01 M3
M8	SR50 M8x20.BC	KEY01 M4
M10	SR50 M10x18.BC	KEY01 M5
M12	SR50 M12x18.BC	KEY01 M6

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

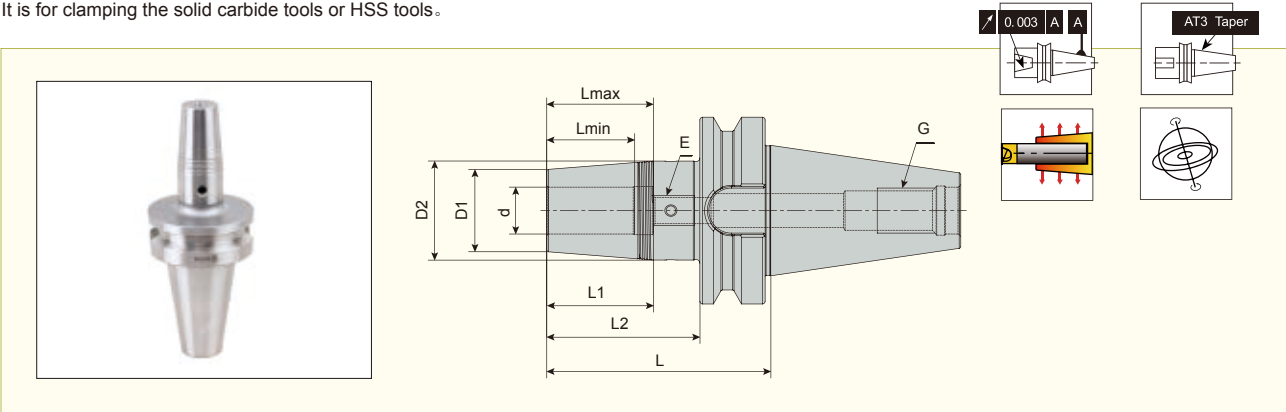
○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

MAS403 BT

热缩刀柄

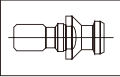
Shrink Fit Adaptor

BT MAS403 型热缩刀柄，用于夹持整体硬质合金刀具或高速钢刀具。
It is for clamping the solid carbide tools or HSS tools.



规格型号 Designation	d	D1	D2	L1	L2	L	Lmin	Lmax	E	G	Kg	在庫 Stock
BT40 SRKIN6x90	6	21	27	38.0	63	90	25	36	M5	M16	1.16	●
BT40 SRKIN8x90	8	21	27	38.0	63	90	25	36	M6	M16	1.15	●
BT40 SRKIN10x90	10	24	32	50.5	63	90	31	42	M8	M16	1.22	●
BT40 SRKIN12x90	12	24	32	50.5	63	90	36	47	M10	M16	1.21	●
BT40 SRKIN14x90	14	27	34	44.5	63	90	36	47	M10	M16	1.26	●
BT40 SRKIN16x90	16	27	34	44.5	63	90	39	50	M12	M16	1.23	●
BT40 SRKIN18x90	18	33	42	57.0	63	90	39	50	M12	M16	1.38	●
BT40 SRKIN20x90	20	33	42	57.0	63	90	41	52	M16	M16	1.35	●
BT40 SRKIN25x110	25	44	53	57.0	83	110	47	58	M16	M16	1.94	●
BT50 SRKIN6x100	6	21	27	38.0	62	100	25	36	M5	M24	3.78	●
BT50 SRKIN8x100	8	21	27	38.0	62	100	25	36	M6	M24	3.77	●
BT50 SRKIN10x100	10	24	32	51.0	62	100	31	42	M8	M24	3.83	●
BT50 SRKIN12x100	12	24	32	51.0	62	100	36	47	M10	M24	3.81	●
BT50 SRKIN14x100	14	27	34	44.5	62	100	36	47	M10	M24	3.86	●
BT50 SRKIN16x100	16	27	34	44.5	62	100	39	50	M12	M24	3.84	●
BT50 SRKIN18x100	18	33	42	57.0	62	100	39	50	M12	M24	3.98	●
BT50 SRKIN20x100	20	33	42	57.0	62	100	41	52	M16	M24	3.89	●
BT50 SRKIN25x120	25	44	53	57.0	82	120	47	58	M16	M24	4.47	●
BT50 SRKIN32x120	32	44	53	57.0	82	120	47	58	M16	M24	4.40	●

- 当工作转速 N=25,000RPM 时，刀柄的平衡等级为 G2.5
- 刀柄若需数据芯片孔，请在型号后加 "X"
- 订货示例：1 件 BT40 SRKIN6x80
- It is with G2.5/25,000 RPM.
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT40 SRKIN6x80.



G22-G26

备件

Spare Parts

E	轴向调节螺钉 Clamping screw	锁紧扳手（选配） Allen key for clamping screw
M5	SR50 M5x20.BC	KEY01 M2.5
M6	SR50 M6x20.BC	KEY01 M3
M8	SR50 M8x20.BC	KEY01 M4
M10	SR50 M10x18.BC	KEY01 M5
M12	SR50 M12x18.BC	KEY01 M6
M16	SR50 M16x20.BC	KEY01 M8

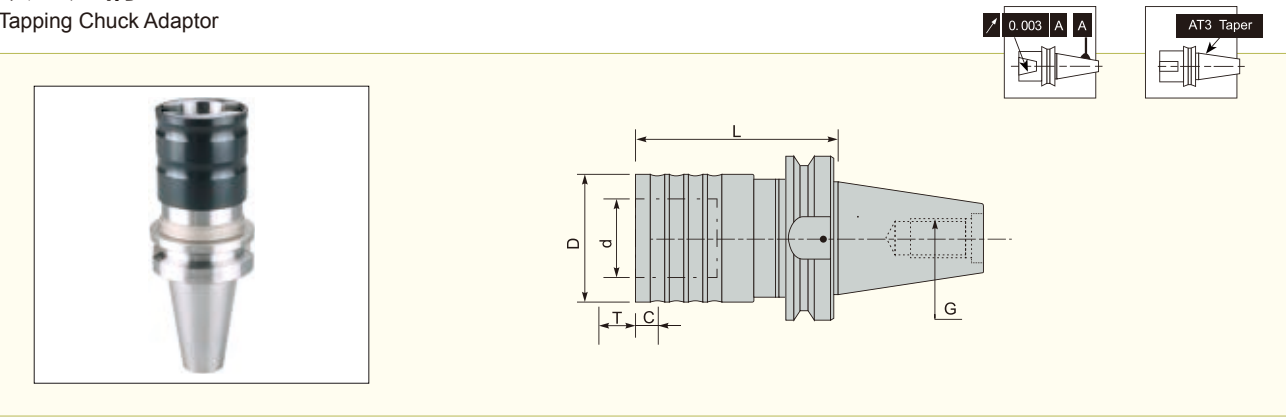
● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

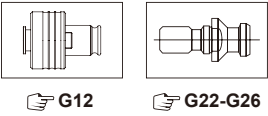
MAS403 BT

攻丝刀柄
Tapping Chuck Adaptor



规格型号 Designation	d	D	L	长度补偿 Length compensation		攻丝范围 Tap	G	Kg	在庫 Stock
				T	C				
BT40 TAP412x85	19	36	85	9	5	M4-M12	M16	1.2	○
BT40 TAP820x100	31	53.5	100	16	9	M8-M20	M16	1.8	○
BT50 TAP412x95	19	36.0	95	9	5	M4-M12	M24	3.8	○
BT50 TAP820x110	31	53.5	110	16	9	M8-M20	M24	4.3	○
BT50 TAP1433x140	48	78.0	140	26	15	M14-M33	M24	5.5	○
BT50 TAP2248x150	60	96.0	150	28	17	M22-M48	M24	6.6	○

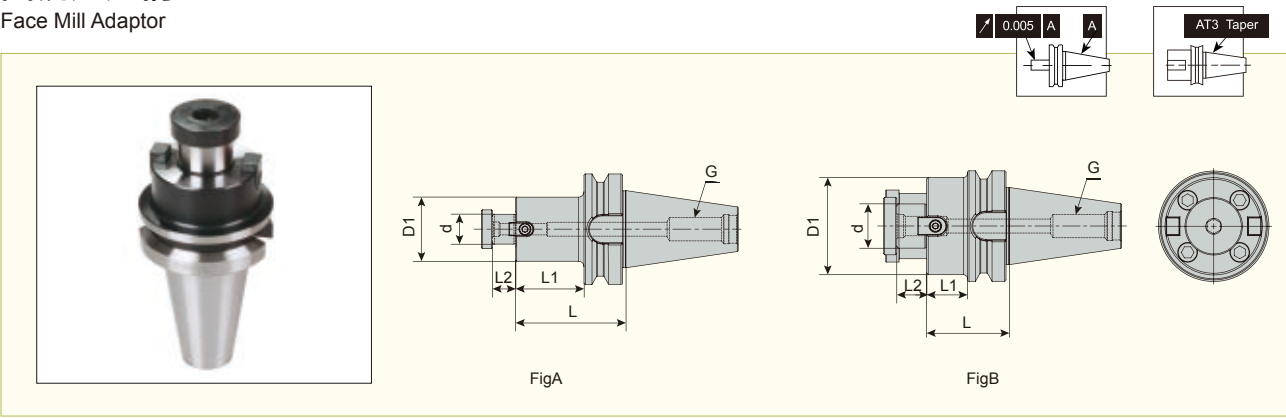
- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT40 TAP412x85
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT40 TAP412x85.



刀柄系统
ADAPTORS

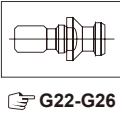
MAS403 BT

面铣刀刀柄
Face Mill Adaptor



规格型号 Designation	d	D1	L	L2	L1	Fig	G	在庫 Stock
BT40 SEM22x100	22	47	100	19	73	A	M16	●
BT40 SEM22x150	22	47	150	19	123	A	M16	●
BT40 SEM27x60	27	58	60	21	33	A	M16	●
BT40 SEM27x100	27	58	100	21	73	A	M16	●
BT40 SEM40x60	40	88	60	27	33	B	M16	●
BT40 SEM40x100	40	80	100	27	73	A	M16	●
BT50 SEM22x60	22	47	60	19	22	A	M24	●
BT50 SEM22x120	22	47	120	19	82	A	M24	●
BT50 SEM22x150	22	47	150	19	112	A	M24	●
BT50 SEM32x60	32	66	60	24	22	A	M24	●
BT50 SEM32x75	32	66	75	24	37	A	M24	●
BT50 SEM32x150	32	66	150	24	112	A	M24	●
BT50 SEM40x75	40	88	75	27	37	B	M24	●
BT50 SEM40x100	40	88	100	27	62	B	M24	●
BT50 SEM40x150	40	88	150	27	112	B	M24	●

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT40 SEM16x60
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT40 SEM16x60



刀柄系统
ADAPTORS

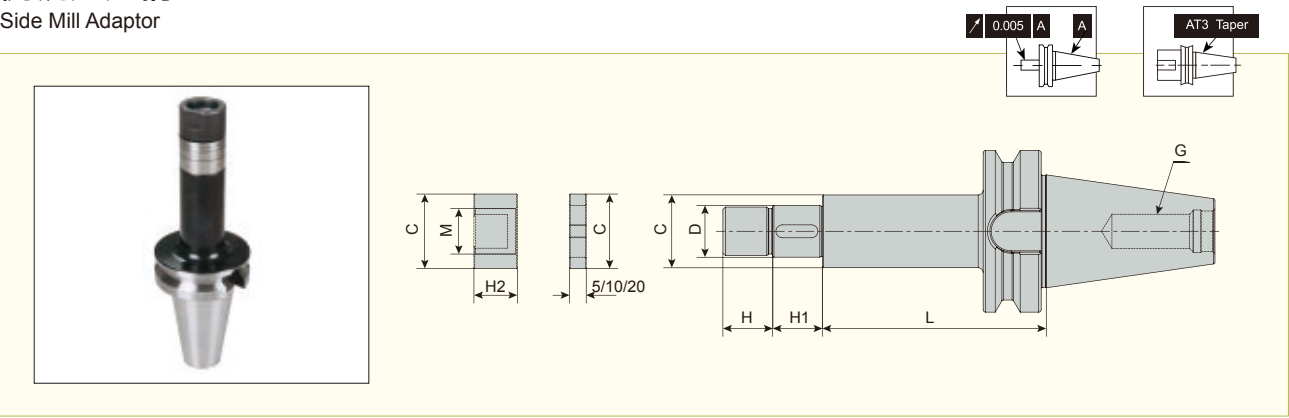
备件
Spare Parts

规格型号 Designation	平键 Flat key	平键锁紧螺钉 Clamping screw for flat key	大头螺钉 Clamping screw	压紧螺钉 Flat key
SEM16	PL10 8x6	SR55 M3x10	-	SR55 M8x25
SEM22	PL10 10x9	SR55 M5x12	SRB22-M10	SR55 M10x30
SEM27	PL10 12x10	SR55 M6x12	SRB27-M12	SR55 M12x35
SEM32	PL10 14x12	SR55 M6x16	SRB32-M16	SR55 M16x40
SEM40	PL10 16x12	SR55 M6x16	SRB40-M20	SR55 M12x50
SEM60	PL10 25x18	SR55 M10x20	-	SR55 M16x60

- 标准库存
Item in stock
- 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)
- 标准库存
Item in stock
- 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

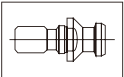
MAS403 BT

侧铣刀刀柄
Side Mill Adaptor



规格型号 Designation	D	L	H	C	H1	H2	M	G	Kg	在库 Stock
BT40 SEMC13x105	13	105	15	20	30	12	M12	M16	1.4	○
BT40 SEMC16x105	16	105	16	26	30	13	M14x1.5	M16	1.5	○
BT40 SEMC22x105	22	105	21	34	30	18	M20x1.5	M16	1.9	○
BT40 SEMC27x120	27	120	25	40	30	21	M24x2.0	M16	2.5	○
BT40 SEMC32x90	32	90	30	46	30	26	M30x2.0	M16	2.6	○
BT50 SEMC13x105	13	105	15	20	30	12	M12	M24	3.8	○
BT50 SEMC16x120	16	120	16	26	30	13	M14x1.5	M24	4.1	○
BT50 SEMC22x135	22	135	21	34	30	18	M20x1.5	M24	4.6	○
BT50 SEMC27x135	27	135	25	40	30	21	M24x2.0	M24	5.1	○
BT50 SEMC32x135	32	135	30	46	30	26	M30x2.0	M24	5.7	○
BT50 SEMC40x135	40	135	36	55	30	31	M36x2.0	M24	6.8	○
BT50 SEMC50x150	50	150	40	90	40	36	M48x2.0	M24	11.1	○

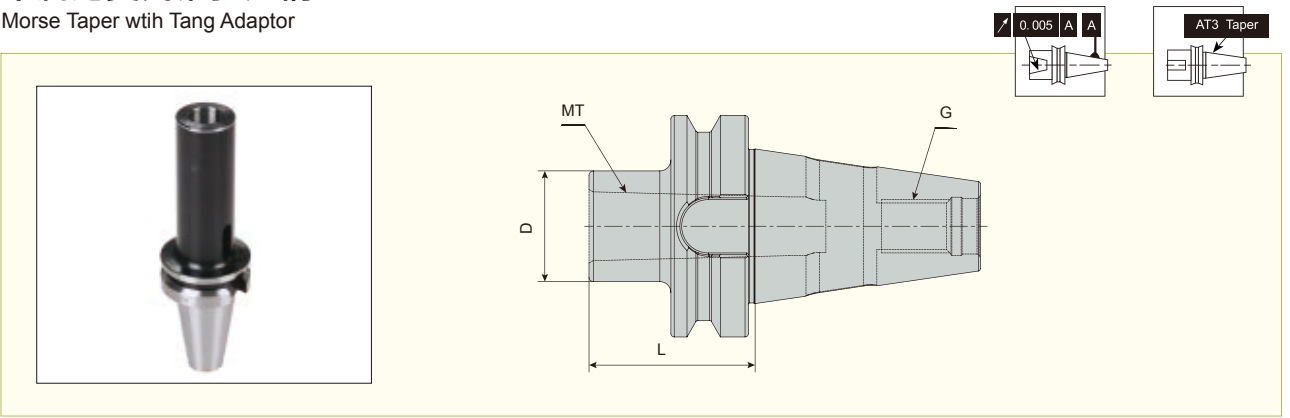
- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT40 SEMC13x75
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT40 SEMC13x75



G22-G26

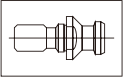
MAS403 BT

带扁尾莫氏锥孔刀柄
Morse Taper with Tang Adaptor



规格型号 Designation	MT	L	D	G	Kg	在库 Stock
BT30 MTA1x45	1	45	25	M12	0.39	○
BT30 MTA2x60	2	60	32	M12	0.46	○
BT30 MTA3x80	3	80	40	M12	0.60	○
BT40 MTA1x45	1	45	25	M16	0.96	○
BT40 MTA1x120	1	120	25	M16	1.27	○
BT40 MTA2x45	2	45	32	M16	0.96	○
BT40 MTA2x120	2	120	32	M16	1.41	○
BT40 MTA3x75	3	75	40	M16	1.15	○
BT40 MTA3x135	3	135	40	M16	1.72	○
BT40 MTA4x90	4	90	50	M16	1.33	○
BT50 MTA1x45	1	45	25	M24	3.50	○
BT50 MTA1x120	1	120	25	M24	3.86	○
BT50 MTA2x45	2	45	32	M24	3.44	○
BT50 MTA2x135	2	135	32	M24	4.06	○
BT50 MTA3x45	3	45	40	M24	3.39	○
BT50 MTA3x150	3	150	40	M24	4.39	○
BT50 MTA4x75	4	75	50	M24	3.36	○
BT50 MTA5x105	5	105	70	M24	4.08	○

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 BT30 MTA1x45
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT30 MTA1x45



G22-G26

备件

Spare Parts

规格型号 Designation	平键 Flat key	锁紧螺母 Lock nut	间隔套 Spacer sleeve
SEMC13	-	LM M12	FJ SEMC13x5/10/20
SEMC16	PL08 4x4x25	LM M14x1.5	FJ SEMC16x5/10/20
SEMC22	PL08 6x6x25	LM M20x1.5	FJ SEMC22x5/10/20
SEMC27	PL08 7x7x25	LM M24x2	FJ SEMC27x5/10/20
SEMC32	PL08 8x7x25	LM M30x2	FJ SEMC32x5/10/20
SEMC40	PL08 10x8x25	LM M36x2	FJ SEMC40x5/10/20
SEMC50	PL08 12x8x30	LM M48x2	FJ SEMC50x5/10/20

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

● 标准库存
Item in stock

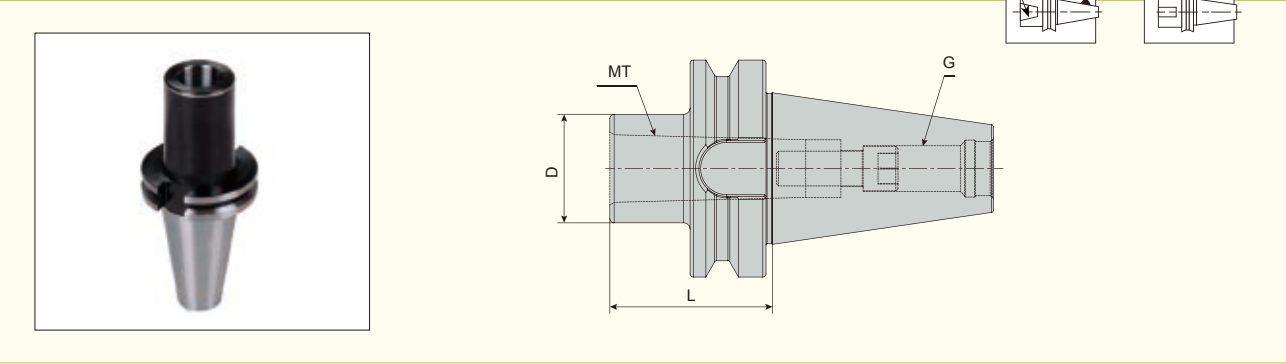
● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

MAS403 BT

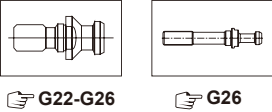
无扁尾莫氏锥孔刀柄

Morse Taper with Draw Thread Adaptor



规格型号 Designation	MT	L	D	G	Kg	在庫 Stock
BT40 MTB1x45	1	45	25	M16	1.01	●
BT40 MTB2x60	2	60	32	M16	1.09	●
BT40 MTB3x75	3	75	40	M16	1.22	●
※ BT40 MTB4x90	4	90	50	M16	1.26	●
BT50 MTB1x45	1	45	25	M24	3.54	●
BT50 MTB2x45	2	45	32	M24	3.56	●
BT50 MTB3x60	3	60	40	M24	3.61	●
BT50 MTB4x75	4	75	50	M24	3.73	●
※ BT50 MTB5x120	5	120	65	M24	4.30	●

- 刀柄若需数据芯片孔，请在型号后加 “X”
- 订货示例：1 件 BT40 MTB1x45
- “※” 需配专用拉钉
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC BT40 MTB1x45
- “※” It indicates that special pull stud needed.



备件

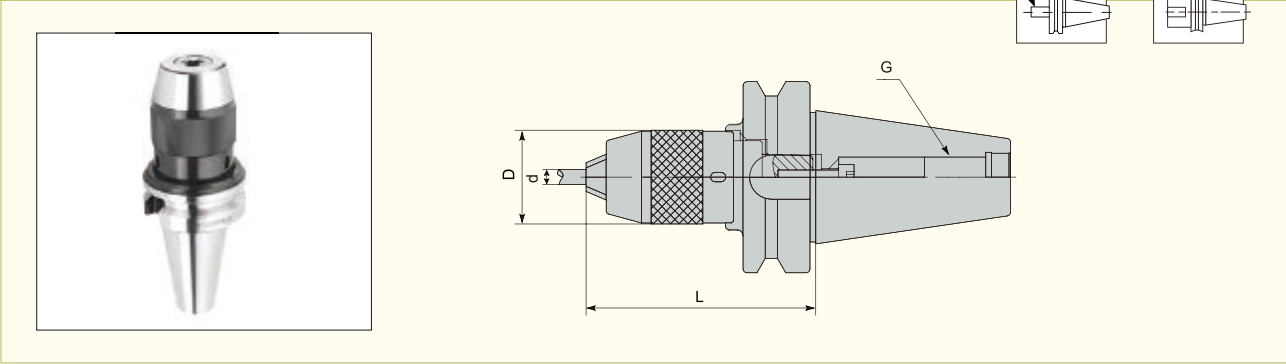
Spare Parts

规格型号 Designation	锁紧螺钉 Clamping screw
BT40 MTB1x45	SR22 M6x25
BT40 MTB2x60	SR155 M10x35
BT40 MTB3x75	SR155 M12x30
BT40 MTB4x90	-
BT50 MTB1x45	SR55 M6x25
BT50 MTB2x45	SR55 M10x35
BT50 MTB3x60	SR55 M12x35
BT50 MTB4x75	SR155 M16x40
BT50 MTB5x120	-

MAS403 BT

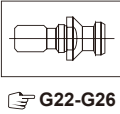
钻夹头刀柄

Drill chuck adaptor



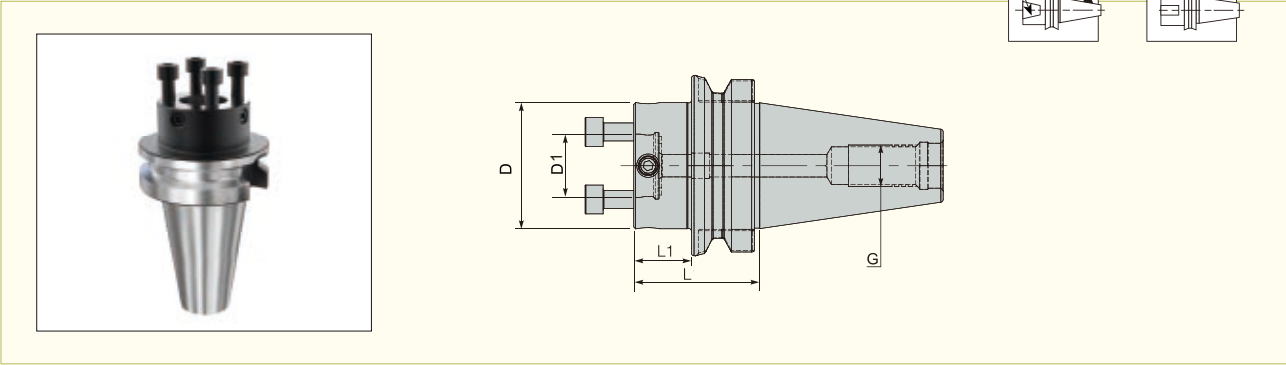
规格型号 Designation	L	D	夹持范围 clamping range	G	Kg	在庫 Stock
BT40 APU08	80	36	0.5-8	M16	1.3	○
BT40 APU13	95	50	0.5-13	M16	1.8	○
BT40 APU16	113	57	3-16	M16	2.3	○
BT50 APU13	105	50	0.5-13	M24	4.4	○
BT50 APU16	110	57	3-16	M24	4.7	○

- 刀柄若需数据芯片孔，请在型号后加 “X”
- 订货示例：1 件 BT40 APU08
- If needing the hole for data chip, please add "X" at the end of the designation
- Ordering sample: 1 PC BT40 APU08



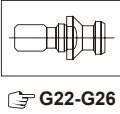
可调刀柄

Adjustable Adaptor



规格型号 Designation	ISO	D	D1	L	L1	G	kg	在庫 Stock
BT40 SL70x55	40	70	35	55	28	M16	1.56	○
BT50 SL70x70	50	70	35	70	32	M24	4.34	○

- 适配接杆需单独订购，请参照：D53-D56 页
- 刀柄若需数据芯片孔，请在型号后加 “X”
- 订货示例：1 件 BT40 SL70x55
- Extension should be ordered separately, please see page D53-D56
- If needing the hole for data chip, please add "X" at the end of the designation
- Ordering sample: 1 PC BT40 SL70x55



备件

Spare Parts

规格型号 Designation	径向调整螺钉 Radial adjusting screw	调整螺钉扳手 Adjusting screw	轴向压紧螺钉 Axial tensioning screw	压紧螺钉扳手 Compression screw spanner	密封圈 Sealing ring
D=70	SR54 M8x16	KEY01 M4	SR55 M6x25	KEY01 M5	FT91 D25x4

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)



DIN69871-A



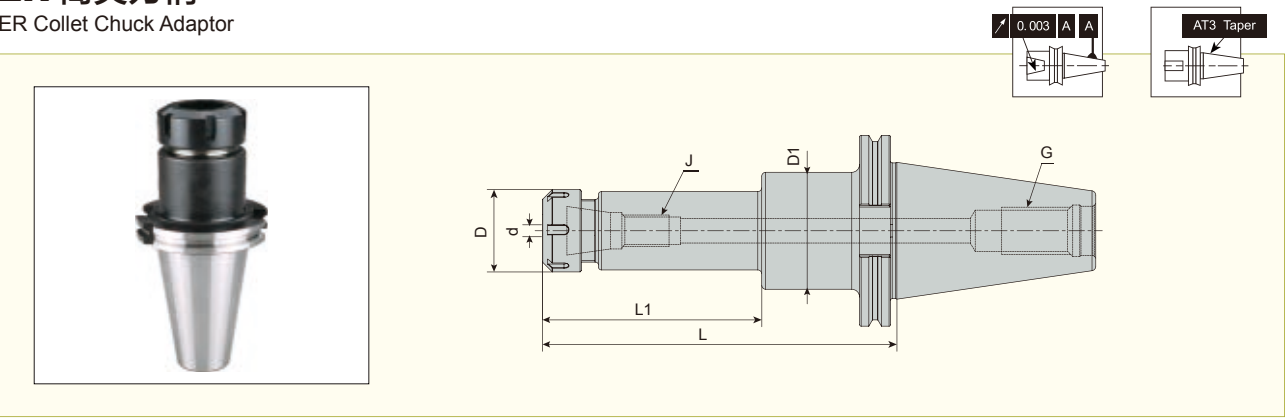
D 刀柄系统 ADAPTORS

DIN69871-A

ER 筒夹刀柄	D23
ER Collet Chuck Adaptor	
高精度 ER 筒夹刀柄	D24
High Precision ER Collet Chuck Adaptor	
强力铣夹头刀柄	D25
Power Chuck Adaptor	
侧固式刀柄 (DIN 1835-B)	D26
Weldon Adaptor	
2° 侧固式刀柄 (DIN 1835-E)	D27
2° Weldon Adaptor	
热缩刀柄	D28
Shrink Fit Adaptor	
攻丝刀柄	D30
Tapping Chuck Adaptor	
面铣刀刀柄	D31
Face Mill Adaptor	
侧铣刀刀柄	D32
Side Mill Adaptor	
带扁尾莫氏锥孔刀柄	D33
Morse Taper With Tang Adaptor	
无扁尾莫氏锥孔刀柄	D34
Morse Taper With Draw Thread Adaptor	
钻夹头刀柄	D35
Drill chuck adaptor	
可调刀柄	D36
Adjustable Adaptor	

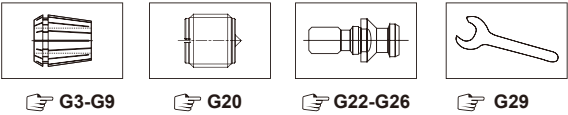
DIN69871-A

ER 筒夹刀柄
ER Collet Chuck Adaptor



规格型号 Designation	L	D	d	D1	L1	J	G	Kg	在库 Stock
DIN69871 40 ER16x63	63	28	0.5-10	-	-	M10	M16	0.86	●
DIN69871 40 ER16x100	100	28	0.5-10	-	-	M10	M16	1.05	●
DIN69871 40 ER16x160	160	28	0.5-10	40	85	M10	M16	1.52	●
DIN69871 40 ER20x63	63	34	1-13	-	-	M12	M16	0.91	●
DIN69871 40 ER20x100	100	34	1-13	-	-	M12	M16	1.16	●
DIN69871 40 ER20x160	160	34	1-13	44	91	M12	M16	1.89	●
DIN69871 40 ER25x65	65	42	1-16	-	28	M16	M16	0.90	●
DIN69871 40 ER25x100	100	42	1-16	-	-	M16	M16	1.32	●
DIN69871 40 ER25x150	150	42	1-16	-	-	M16	M16	1.81	●
DIN69871 40 ER32x65	65	50	2-20	40.4	32	M22x1.5	M16	0.45	●
DIN69871 40 ER32x100	100	50	2-20	49	35	M22x1.5	M16	1.38	●
DIN69871 40 ER32x150	150	50	2-20	49	35	M22x1.5	M16	2.17	●
DIN69871 40 ER40x70	70	63	3-26	50.4	32	M28x1.5	M16	0.89	●
DIN69871 40 ER40x100	100	63	3-26	50.4	32	M28x1.5	M16	1.22	●
DIN69871 50 ER16x100	100	28	0.5-10	-	-	M10	M24	2.6	●
DIN69871 50 ER16x160	160	28	0.5-10	40	85	M10	M24	3.34	●
DIN69871 50 ER16x200	200	28	0.5-10	40	110	M10	M24	3.52	●
DIN69871 50 ER20x100	100	34	1-13	-	-	M12	M24	2.89	●
DIN69871 50 ER20x160	160	34	1-13	45	86	M12	M24	3.5	●
DIN69871 50 ER25x100	100	42	1-16	-	-	M16	M24	3.08	●
DIN69871 50 ER25x150	150	42	1-16	50	80.9	M16	M24	3.75	●
DIN69871 50 ER25x200	200	42	1-16	55	85	M16	M24	4.70	●
DIN69871 50 ER32x100	100	50	2-20	-	-	M22x1.5	M24	3.2	●
DIN69871 50 ER32x150	150	50	2-20	-	-	M22x1.5	M24	3.83	●
DIN69871 50 ER32x200	200	50	2-20	-	-	M22x1.5	M24	4.51	●
DIN69871 50 ER40x100	100	63	3-26	-	-	M28x1.5	M24	3.45	●
DIN69871 50 ER40x150	150	63	3-26	-	-	M28x1.5	M24	4.54	●
DIN69871 50 ER40x200	200	63	3-26	-	-	M28x1.5	M24	5.6	●

- 刀柄若需数据芯片孔，请在型号后加 "X"
- 订货示例：1 件 DIN69871 40 ER16x63
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 ER16x63



备件

Spare Parts

规格型号 Designation	螺帽 ER NUT
ER16	NUT ER16
ER20	NUT ER20
ER25	NUT ER25
ER32	NUT ER32
ER40	NUT ER40

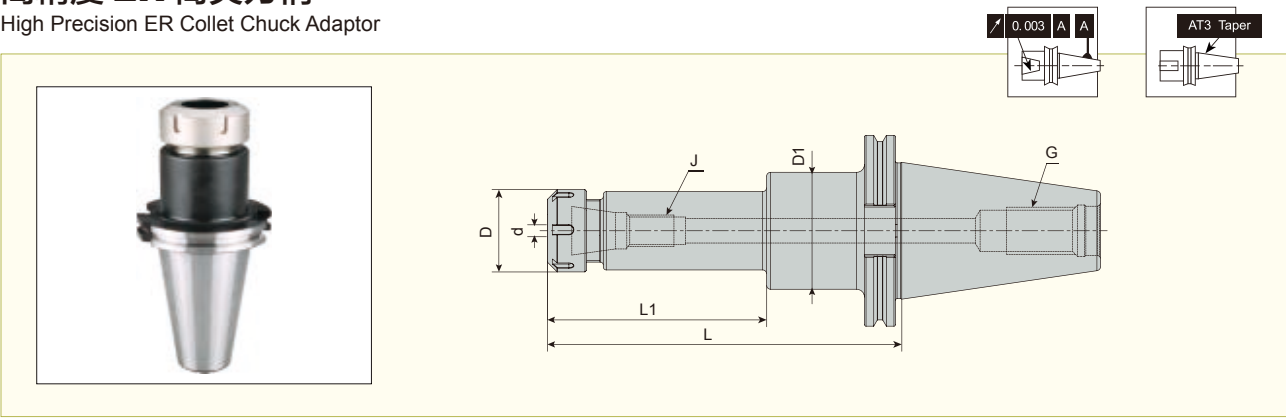
● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

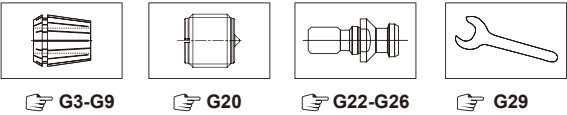
DIN69871-A

高精度 ER 筒夹刀柄
High Precision ER Collet Chuck Adaptor



规格型号 Designation	L	D	d	D1	L1	J	G	Kg	在库 Stock
DIN69871 40 ER16x63.TOP	63	28	0.5-10	-	-	M10	M16	0.86	●
DIN69871 40 ER16x100.TOP	100	28	0.5-10	-	-	M10	M16	1.05	●
DIN69871 40 ER16x160.TOP	160	28	0.5-10	85	40	M10	M16	1.52	●
DIN69871 40 ER20x63.TOP	63	34	1-13	-	-	M12	M16	0.91	●
DIN69871 40 ER20x100.TOP	100	34	1-13	-	-	M12	M16	1.16	●
DIN69871 40 ER20x160.TOP	160	34	1-13	91	44	M12	M16	1.89	●
DIN69871 40 ER25x65.TOP	65	42	1-16	28	-	M16	M16	0.90	●
DIN69871 40 ER25x100.TOP	100	42	1-16	-	-	M16	M16	1.32	●
DIN69871 40 ER25x150.TOP	150	42	1-16	-	-	M16	M16	1.81	●
DIN69871 40 ER32x65.TOP	65	50	2-20	32	40.4	M22x1.5	M16	0.45	●
DIN69871 40 ER32x100.TOP	100	50	2-20	35	49	M22x1.5	M16	1.38	●
DIN69871 40 ER32x150.TOP	150	50	2-20	35	49	M22x1.5	M16	2.17	●
DIN69871 40 ER40x70.TOP	70	63	3-26	32	50.4	M28x1.5	M16	0.89	●
DIN69871 40 ER40x100.TOP	100	63	3-26	32	50.4	M28x1.5	M16	1.22	●
DIN69871 50 ER16x100.TOP	100	28	0.5-10	-	-	M10	M24	2.6	●
DIN69871 50 ER16x160.TOP	160	28	0.5-10	85	40	M10	M24	3.34	●
DIN69871 50 ER16x200.TOP	200	28	0.5-10	110	40	M10	M24	3.52	●
DIN69871 50 ER20x100.TOP	100	34	1-13	-	-	M12	M24	2.89	●
DIN69871 50 ER20x160.TOP	160	34	1-13	86	45	M12	M24	3.5	●
DIN69871 50 ER25x100.TOP	100	42	1-16	-	-	M16	M24	3.08	●
DIN69871 50 ER25x150.TOP	150	42	1-16	80.9	50	M16	M24	3.75	●
DIN69871 50 ER25x200.TOP	200	42	1-16	85	55	M16	M24	4.70	●
DIN69871 50 ER32x100.TOP	100	50	2-20	-	-	M22x1.5	M24	3.20	●
DIN69871 50 ER32x150.TOP	150	50	2-20	-	-	M22x1.5	M24	3.83	●
DIN69871 50 ER32x200.TOP	200	50	2-20	-	-	M22x1.5	M24	4.51	●
DIN69871 50 ER40x100.TOP	100	63	3-26	-	-	M28x1.5	M24	3.45	●
DIN69871 50 ER40x150.TOP	150	63	3-26	-	-	M28x1.5	M24	4.54	●
DIN69871 50 ER40x200.TOP	200	63	3-26	-	-	M28x1.5	M24	5.60	●

- 刀柄若需数据芯片孔，请在型号后加 "X"
- 订货示例：1 件 DIN69871 40 ER16x63.TOP
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 ER16x63.TOP



备件

Spare Parts

规格型号 Designation	螺帽 ER NUT
ER16.TOP	NUT ER16.TOP
ER20.TOP	NUT ER20.TOP
ER25.TOP	NUT ER25.TOP
ER32.TOP	NUT ER32.TOP
ER40.TOP	NUT ER40.TOP

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

DIN69871-A

强力铣夹头刀柄
Power Chuck Adaptor

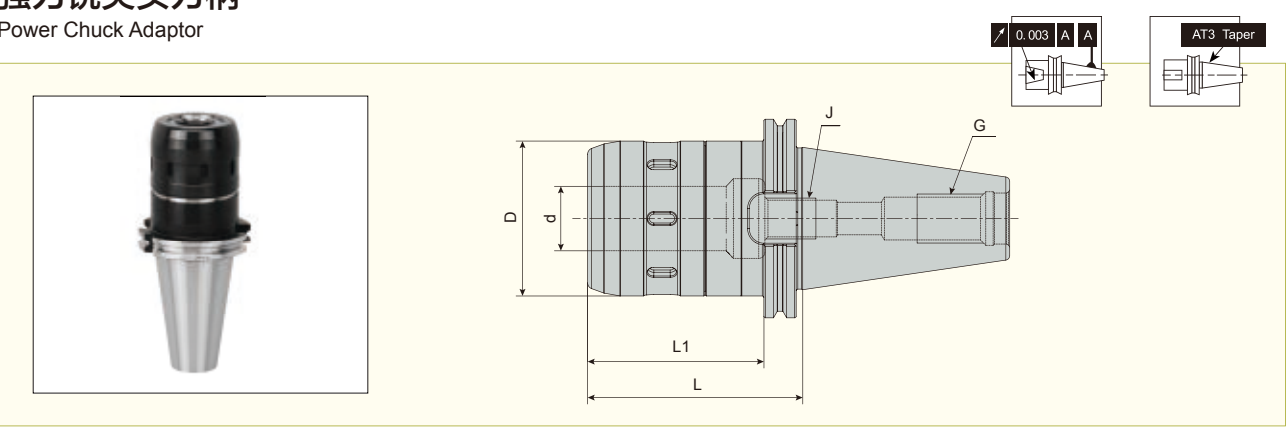
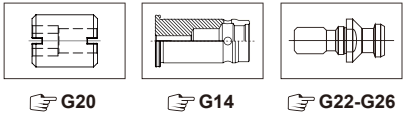


Table with 11 columns: Designation, D, d, L, L1, Lmin, Lmax, J, G, KG, Stock. Rows include DIN69871 40 DMG32X110 and DIN69871 50 DMG32X100.

- 强力直柄筒夹订购, 请参照: [icon] H17 页
- 刀柄若需数据芯片孔, 请在型号后加 "X"
- 选配轴向调节螺钉, 请参照: [icon] H23 页
- 订货示例: 1 件 DIN69871 40 DMG32x110
- Straight shank collet should be ordered separately, please see page H17.
- If needing the hole for data chip, please add "X" at the end of the designation.
- The optional axial adjusting screw, please see page H23.
- Ordering sample: 1 PC DIN69871 40 DMG32x110.



刀柄系统
ADAPTORS

DIN69871-A

侧固式刀柄 (DIN 1835-B)
Weldon Adaptor

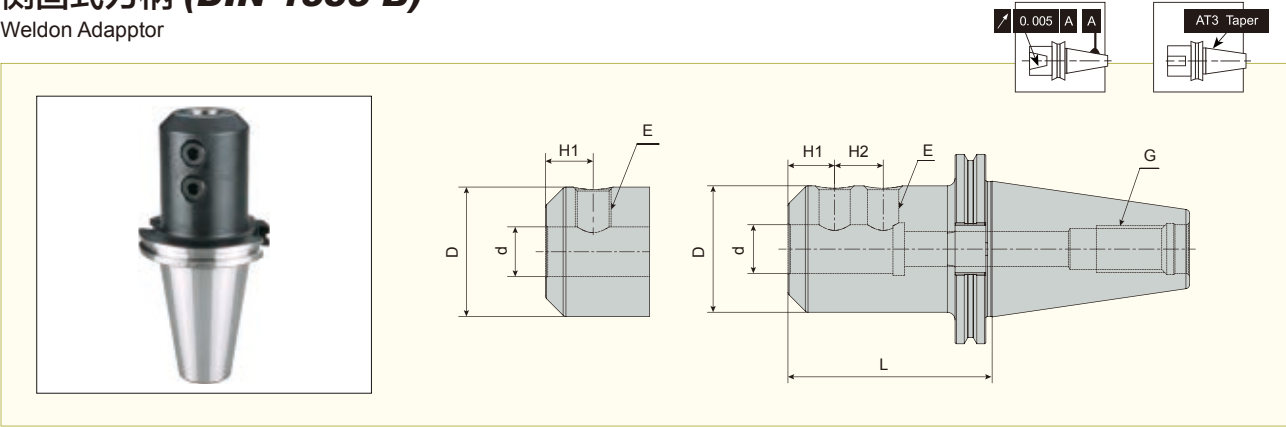
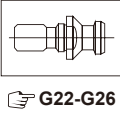


Table with 11 columns: Designation, d, D, L, H1, H2, E, G, Kg, Stock. Rows include DIN69871 40 EM16x63, DIN69871 40 EM20x63, DIN69871 40 EM25x100, DIN69871 40 EM32x100, DIN69871 50 EM16x63, DIN69871 50 EM20x63, DIN69871 50 EM25x80, DIN69871 50 EM32x100, DIN69871 50 EM40x100, and DIN69871 50 EM50x125.

- 刀柄若需数据芯片孔, 请在型号后加 "X"
- 订货示例: 1 件 DIN69871 40 EM16x63
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 EM16x63



刀柄系统
ADAPTORS

备件

Spare Parts

Table with 3 columns: Designation, Clamping screw, Allen key for clamping screw. Rows list spare parts for EM16, EM20, EM25, EM32, EM40, and EM50.

● 标准库存
Item in stock

● 半标准库存 (订货时, 请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时, 请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

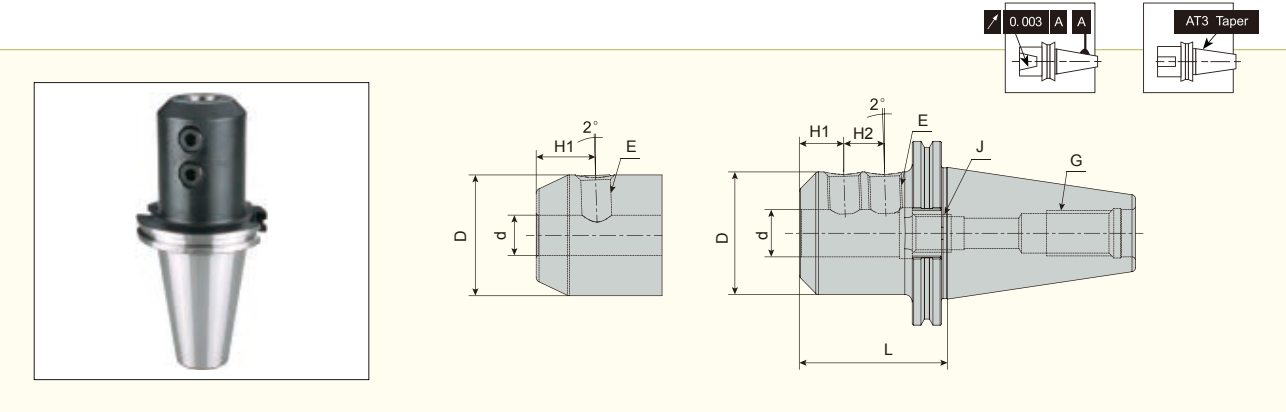
● 标准库存
Item in stock

● 半标准库存 (订货时, 请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时, 请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

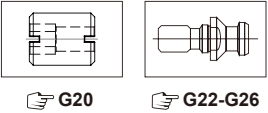
DIN69871-A

2° 侧固式刀柄 (DIN 1835-E)
2° Weldon Adaptor



规格型号 Designation	d	D	L	H1	H2	E	J	G	Kg	在庫 Stock
DIN69871 40 EM16x63E	16	48	63	24	-	M14	M12	M16	1.28	●
DIN69871 40 EM20x63E	20	52	63	25	-	M16	M16	M16	1.25	●
DIN69871 40 EM25x100E	25	65	100	24	22	M18x2	M20X2	M16	2.18	●
DIN69871 40 EM32x100E	32	72	100	24	24	M20x2	M20X2	M16	2.40	●
DIN69871 50 EM16x63E	16	48	63	24	-	M14	M12	M24	3.07	●
DIN69871 50 EM20x63E	20	52	63	25	-	M16	M16	M24	3.11	●
DIN69871 50 EM25x80E	25	65	80	24	22	M18x2	M20X2	M24	3.67	●
DIN69871 50 EM32x100E	32	72	100	24	24	M20x2	M20X2	M24	4.50	●
DIN69871 50 EM40x100E	40	90	100	30	30	M20x2	M20X2	M24	5.05	●

- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 DIN69871 40 EM16x63E
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 EM16x63E



备件

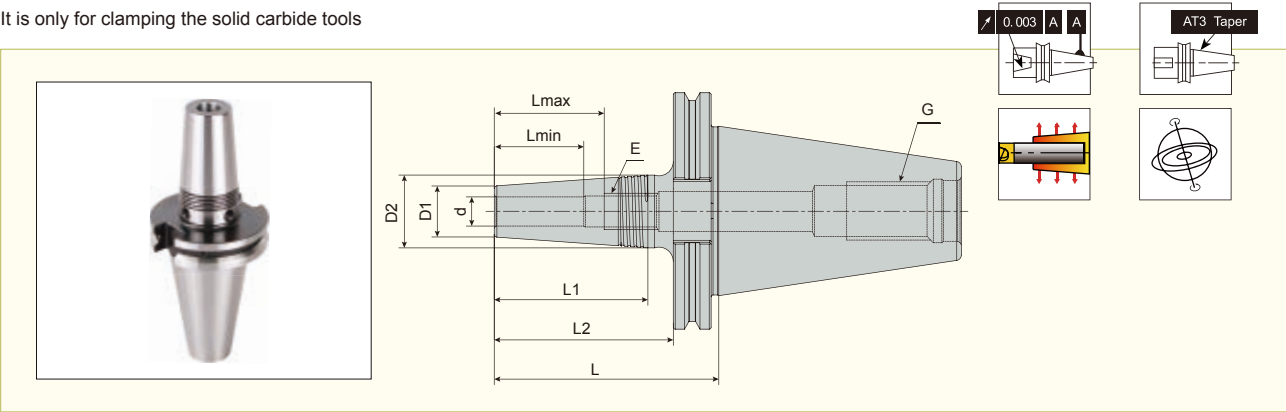
Spare Parts

规格型号 Designation	锁紧螺钉 Clamping screw	锁紧扳手 (选配) Allen key for clamping screw
EM16	SR54 M14x16	KEY01 M6
EM20	SR54 M16x16	KEY01 M8
EM25	SR54 M18x20-X	KEY01 M8
EM32	SR54 M20x20-X	KEY01 M10
EM40	SR54 M20x25-X	KEY01 M10
EM50	SR54 M24x25-X	KEY01 M12

DIN69871-A

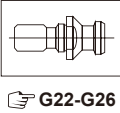
热缩刀柄
Shrink Fit Adaptor

DIN69871-A 型热缩刀柄，仅用于夹持整体硬质合金刀具。
It is only for clamping the solid carbide tools



规格型号 Designation	d	D1	D2	L1	L2	L	Lmin	Lmax	E	G	Kg	在庫 Stock
DIN69871 40 SRK3x69	3	10	15.0	35.55	50	69.1	10	16	M6	M16	0.8	○
DIN69871 40 SRK3x104	3	10	19.0	64.15	85	104.1	10	16	M6	M16	1.0	○
DIN69871 40 SRK4x69	4	10	15.0	35.55	50	69.1	12	18	M6	M16	0.8	○
DIN69871 40 SRK4x104	4	10	19.0	64.15	85	104.1	12	18	M6	M16	0.9	○
DIN69871 40 SRK5x69	5	10	15.0	35.55	50	69.1	15	21	M6	M16	0.8	○
DIN69871 40 SRK5x104	5	10	19.0	64.15	85	104.1	15	21	M6	M16	1.0	○
DIN69871 40 SRK6x69	6	11	16.0	35.55	50	69.1	18	24	M8	M16	0.8	●
DIN69871 40 SRK6x104	6	11	20.0	64.15	85	104.1	18	24	M8	M16	0.8	●
DIN69871 40 SRK8x69	8	14	20.0	42.50	50	69.1	25	31	M10	M16	0.8	●
DIN69871 40 SRK8x104	8	14	23.0	63.90	85	104.1	25	31	M10	M16	0.9	●
DIN69871 40 SRK10x69	10	16	22.0	42.40	50	69.1	30	36	M12	M16	0.9	●
DIN69871 40 SRK10x104	10	16	24.5	60.30	85	104.1	30	36	M12	M16	0.9	●
DIN69871 40 SRK12x69	12	20	26.0	42.30	50	69.1	32	42	M10	M16	0.9	●
DIN69871 40 SRK12x104	12	20	28.0	56.60	85	104.1	32	42	M10	M16	1.1	●

- 当工作转速 N=25,000RPM 时，刀柄的平衡等级为 G2.5
- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：DIN69871 40 SRK3x69
- It is with G2.5/25,000 RPM.
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: DIN69871 40 SRK3x69.



备件

Spare Parts

E	轴向调节螺钉 Clamping screw	锁紧扳手 (选配) Allen key for clamping screw
M6	SR50 M6x20.BC	KEY01 M3
M8	SR50 M8x20.BC	KEY01 M4
M10	SR50 M10x18.BC	KEY01 M5
M12	SR50 M12x18.BC	KEY01 M6

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

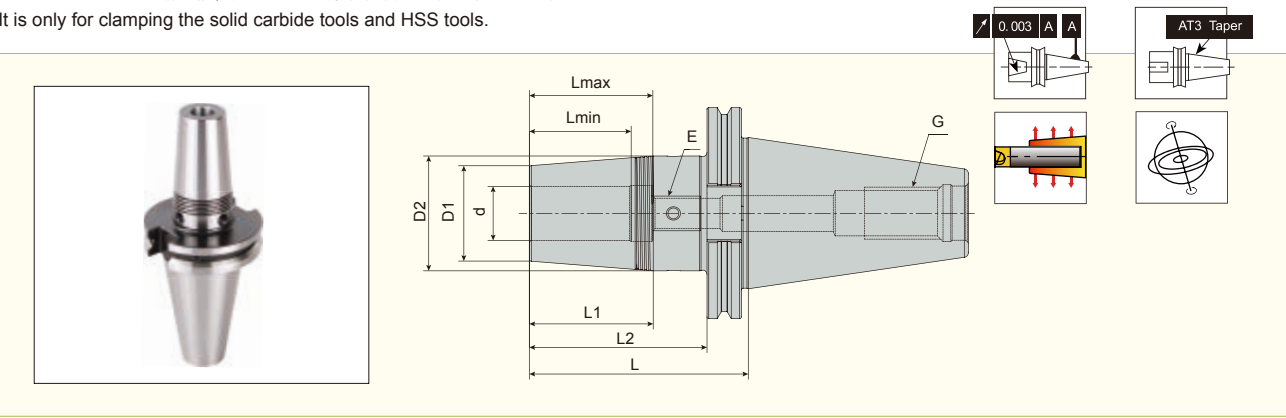
○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

DIN69871-A

热缩刀柄

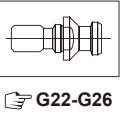
Shrink Fit Adaptor

DIN69871-A型热缩刀柄，用于夹持整体硬质合金刀具或高速钢刀具。
It is only for clamping the solid carbide tools and HSS tools.



规格型号 Designation	d	D1	D2	L1	L2	L	Lmin	Lmax	E	G	Kg	在庫 Stock
DIN69871 40 SRKIN6x80	6	21	27	38.0	60.9	80	25	36	M5	M16	1.0	●
DIN69871 40 SRKIN8x80	8	21	27	38.0	60.9	80	25	36	M6	M16	1.1	●
DIN69871 40 SRKIN10x80	10	24	32	50.5	60.9	80	31	42	M8	M16	1.0	●
DIN69871 40 SRKIN12x80	12	24	32	50.5	60.9	80	36	47	M10	M16	1.4	●
DIN69871 40 SRKIN14x80	14	27	34	44.5	60.9	80	36	47	M10	M16	1.1	●
DIN69871 40 SRKIN16x80	16	27	34	44.5	60.9	80	39	50	M12	M16	1.1	●
DIN69871 40 SRKIN18x80	18	33	42	57.0	60.9	80	39	50	M12	M16	1.2	●
DIN69871 40 SRKIN20x80	20	33	42	57.0	60.9	80	41	52	M16	M16	1.2	●
DIN69871 40 SRKIN25x100	25	44	53	57.0	80.9	100	47	58	M16	M16	1.7	●
DIN69871 50 SRKIN6x80	6	21	27	38.0	60.9	80	25	36	M5	M24	2.8	●
DIN69871 50 SRKIN8x80	8	21	27	38.0	60.9	80	25	36	M6	M24	2.8	●
DIN69871 50 SRKIN10x80	10	24	32	51.0	60.9	80	31	42	M8	M24	2.8	●
DIN69871 50 SRKIN12x80	12	24	32	51.0	60.9	80	36	47	M10	M24	2.8	●
DIN69871 50 SRKIN14x80	14	27	34	44.5	60.9	80	36	47	M10	M24	2.8	●
DIN69871 50 SRKIN16x80	16	27	34	44.5	60.9	80	39	50	M12	M24	2.8	●
DIN69871 50 SRKIN18x80	18	33	42	57.0	60.9	80	39	50	M12	M24	2.9	●
DIN69871 50 SRKIN20x80	20	33	42	57.0	60.9	80	41	52	M16	M24	2.9	●
DIN69871 50 SRKIN25x100	25	44	53	57.0	80.9	100	47	58	M16	M24	3.5	●
DIN69871 50 SRKIN32x100	32	44	53	57.0	80.9	100	47	58	M16	M24	3.4	●

- 当工作转速 N=25,000RPM 时，刀柄的平衡等级为 G2.5
- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：DIN69871 40 SRKIN6x80
- It is with G2.5/25,000 RPM.
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: DIN69871 40 SRKIN6x80.



备件

Spare Parts

E	轴向调节螺钉 Clamping screw	锁紧扳手（选配） Allen key for clamping screw
M5	SR50 M5x20.BC	KEY01 M2.5
M6	SR50 M6x20.BC	KEY01 M3
M8	SR50 M8x20.BC	KEY01 M4
M10	SR50 M10x18.BC	KEY01 M5
M12	SR50 M12x18.BC	KEY01 M6
M16	SR50 M16x20.BC	KEY01 M8

● 标准库存
Item in stock

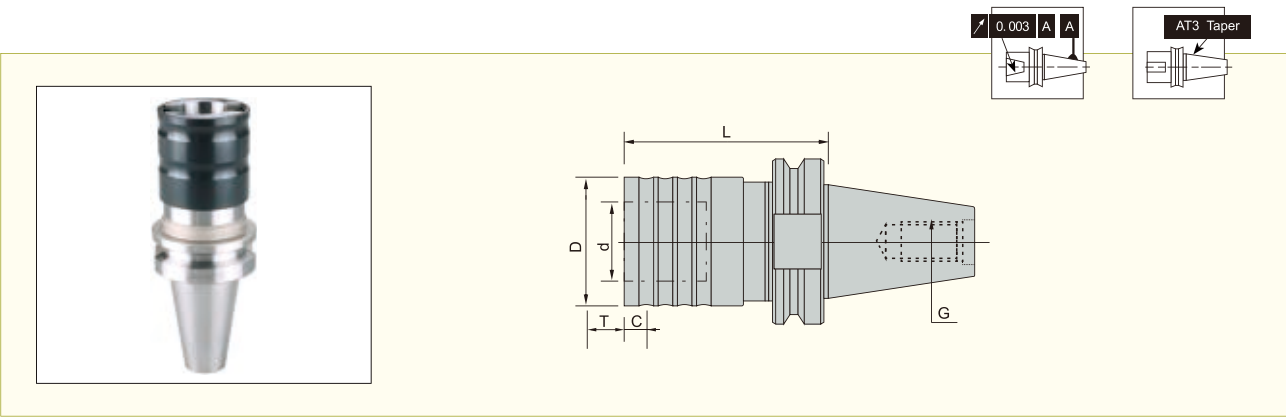
● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

DIN69871-A

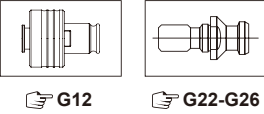
攻丝刀柄

Tapping Chuck Adaptor



规格型号 Designation	d	D	L	长度补偿 Length compensation		攻丝范围 Tap	G	Kg	在庫 Stock
				T	C				
DIN69871 40 TAP412x75	19	36.0	75	9	5	M4-M12	M16	1.1	○
DIN69871 40 TAP820x100	31	53.5	100	16	9	M8-M20	M16	1.7	○
DIN69871 50 TAP412x75	19	36.0	75	9	5	M4-M12	M24	2.9	○
DIN69871 50 TAP820x100	31	53.5	100	16	9	M8-M20	M24	3.5	○
DIN69871 50 TAP1433x135	48	78.0	135	26	15	M14-M33	M24	4.9	○
DIN69871 50 TAP2248x155	60	96.0	155	28	17	M22-M48	M24	6.4	○

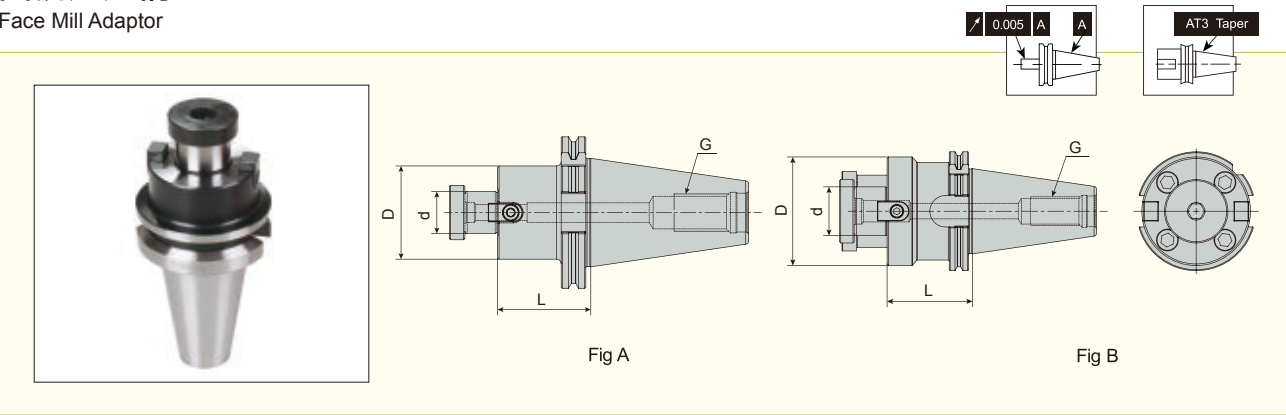
- 刀柄若需数据芯片孔，请在型号后加 ".X"
- 订货示例：1 件 DIN69871 40 TAP412x75
- 每种规格的攻丝刀柄均有对应的攻丝快换夹头，请参照：☞ [H12 页](#)
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 TAP412x75
- Multiple quick change chucks for corresponding adaptors, please see page [H12](#)



刀柄系统
ADAPTORS

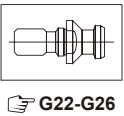
DIN69871-A

面铣刀刀柄
Face Mill Adaptor



规格型号 Designation	d	D	L	Fig	G	Kg	在庫 Stock
DIN69871 40 SEM16x35	16	38	35	A	M16	0.92	●
DIN69871 40 SEM22x35	22	47	35	A	M16	1.02	●
DIN69871 40 SEM27x60	27	58	60	A	M16	1.60	●
DIN69871 40 SEM32x60	32	66	60	A	M16	1.78	●
DIN69871 40 SEM40x60	40	88	60	B	M16	2.25	●
DIN69871 50 SEM16x35	16	38	35	A	M24	2.79	●
DIN69871 50 SEM22x35	22	47	35	A	M24	2.88	●
DIN69871 50 SEM22x50x200	22	50	200	A	M24	5.44	●
DIN69871 50 SEM27x35	27	58	35	A	M24	2.94	●
DIN69871 50 SEM32x35	32	66	35	A	M24	3.00	●
DIN69871 50 SEM32x78x370	32	78	370	A	M24	15.78	●
DIN69871 50 SEM40x60	40	88	60	B	M24	4.85	●
DIN69871 50 SEM60x75	60	128	75	B	M24	7.53	●

- 刀柄若需数据芯片孔，请在型号后加 “X”
- 订货示例：1 件 DIN69871 40 SEM16x35
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 SEM16x35



备件

Spare Parts

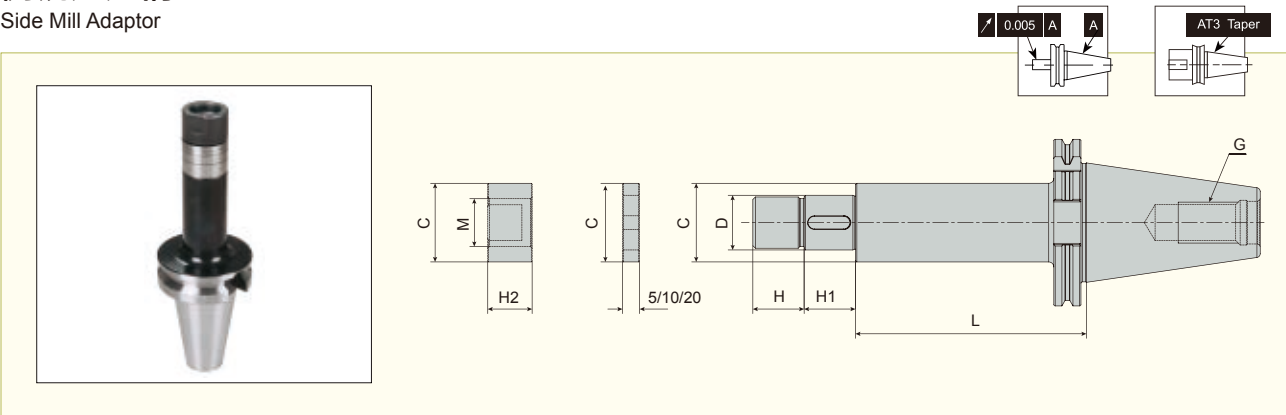
规格型号 Designation	平键 Flat key	平键锁紧螺钉 Clamping screw for flat key	大头螺钉 Clamping screw	压紧螺钉 Clamping screw
SEM16	PL10 8x6	SR55 M3x10	-	SR55 M8x25
SEM22	PL10 10x9	SR55 M5x12	SRB22-M10	SR55 M10x30
SEM27	PL10 12x10	SR55 M6x12	SRB27-M12	SR55 M12x35
SEM32	PL10 14x12	SR55 M6x16	SRB32-M16	SR55 M16x40
SEM40	PL10 16x12	SR55 M6x16	SRB40-M20	SR55 M12x50
SEM60	PL10 25x18	SR55 M10x20	-	SR55 M16x60

- 注：DIN69871 50 SEM40x60 需配平键 PL10 16x14
- Note: DIN69871 50 SEM40x60 needs flat key PL 10 16x14

- 标准库存
Item in stock
- 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

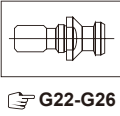
DIN69871-A

侧铣刀刀柄
Side Mill Adaptor



规格型号 Designation	D	L	H	C	H1	H2	M	G	Kg	在庫 Stock
DIN69871 40 SEMC13x105	13	105	15	20	30	12	M12	M16	1.4	○
DIN69871 40 SEMC16x105	16	105	16	26	30	13	M14x1.5	M16	1.5	○
DIN69871 40 SEMC22x105	22	105	21	34	30	18	M20x1.5	M16	1.9	○
DIN69871 40 SEMC27x120	27	120	25	40	30	21	M24x2.0	M16	2.5	○
DIN69871 40 SEMC32x90	32	90	30	46	30	26	M30x2.0	M16	2.6	○
DIN69871 50 SEMC13x105	13	105	15	20	30	12	M12	M24	3.8	○
DIN69871 50 SEMC16x120	16	120	16	26	30	13	M14x1.5	M24	4.1	○
DIN69871 50 SEMC22x135	22	135	21	34	30	18	M20x1.5	M24	4.6	○
DIN69871 50 SEMC27x135	27	135	25	40	30	21	M24x2.0	M24	5.1	○
DIN69871 50 SEMC32x135	32	135	30	46	30	26	M30x2.0	M24	5.7	○
DIN69871 50 SEMC40x135	40	135	36	55	30	31	M36x2.0	M24	6.8	○
DIN69871 50 SEMC50x150	50	150	40	90	40	36	M48x2.0	M24	9.59	○

- 刀柄若需数据芯片孔，请在型号后加 “X”
- 订货示例：1 件 DIN69871 40 SEMC13x105
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 SEMC13x105



备件

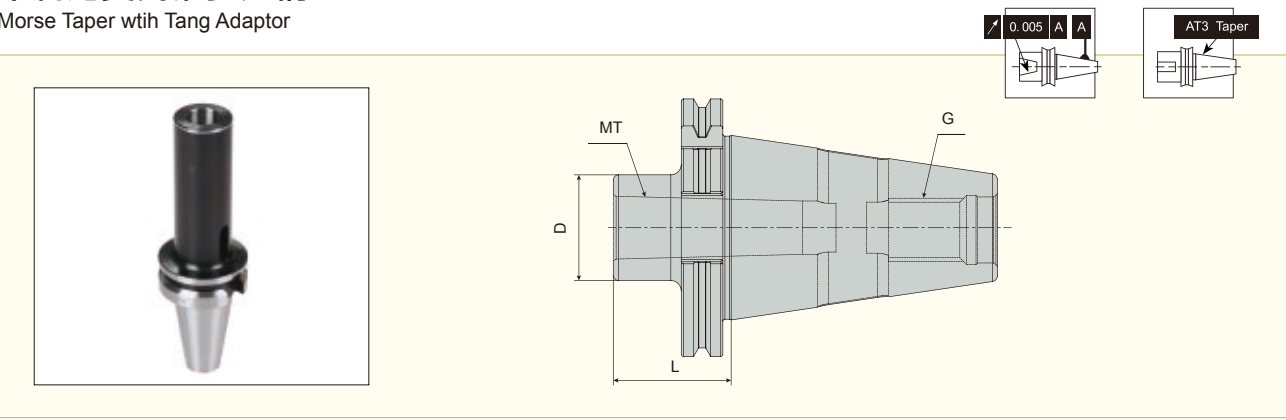
Spare Parts

规格型号 Designation	平键 Flat key	锁紧螺母 Lock nut	间隔套 Spacer sleeve
SEMC13	-	LM M12	FJ SEMC13x5/10/20
SEMC16	PL08 4x4x25	LM M14x1.5	FJ SEMC16x5/10/20
SEMC22	PL08 6x6x25	LM M20x1.5	FJ SEMC22x5/10/20
SEMC27	PL08 7x7x25	LM M24x1.5	FJ SEMC27x5/10/20
SEMC32	PL08 8x7x25	LM M30x2.0	FJ SEMC32x5/10/20
SEMC40	PL08 10x8x25	LM M36x2.0	FJ SEMC40x5/10/20
SEMC50	PL08 12x8x30	LM M48x2.0	FJ SEMC50x5/10/20

- 标准库存
Item in stock
- 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

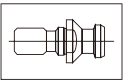
DIN69871-A

带扁尾莫氏锥孔刀柄
Morse Taper with Tang Adaptor



规格型号 Designation	MT	L	D	G	Kg	在库 Stock
DIN69871 40 MTA1x45	1	45	25	M16	1	○
DIN69871 40 MTA1x120	1	120	25	M16	1.2	○
DIN69871 40 MTA2x45	2	45	32	M16	1	○
DIN69871 40 MTA2x120	2	120	32	M16	1.2	○
DIN69871 40 MTA3x75	3	75	40	M16	1.1	○
DIN69871 40 MTA3x135	3	135	40	M16	1.7	○
DIN69871 40 MTA4x90	4	90	50	M16	1.3	○
DIN69871 50 MTA1x45	1	45	25	M24	2.65	○
DIN69871 50 MTA1x120	1	120	25	M24	3	○
DIN69871 50 MTA2x45	2	45	32	M24	2.65	○
DIN69871 50 MTA2x135	2	135	32	M24	3.2	○
DIN69871 50 MTA3x45	3	45	40	M24	2.65	○
DIN69871 50 MTA3x150	3	150	40	M24	3.5	○
DIN69871 50 MTA4x75	4	75	50	M24	2.5	○
DIN69871 50 MTA5x105	5	105	63	M24	3.65	○

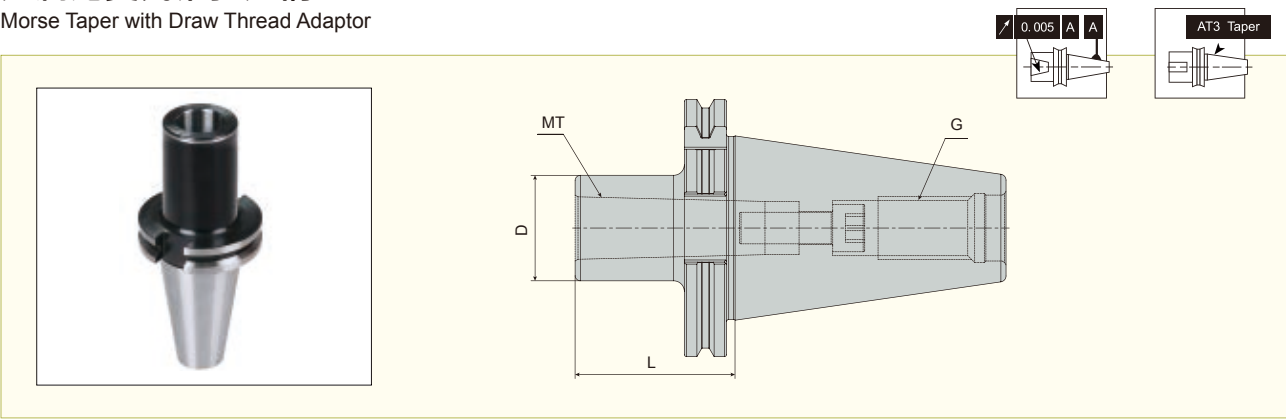
- 刀柄若需数据芯片孔，请在型号后加 “X”
- 订货示例：1 件 DIN69871 40 MTA1x45
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 MTA1x45



G22-G26

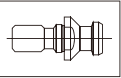
DIN69871-A

无扁尾莫氏锥孔刀柄
Morse Taper with Draw Thread Adaptor

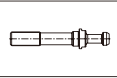


规格型号 Designation	MT	L	D	G	Kg	在库 Stock
DIN69871 40 MTB1x45	1	45	25	M16	1.20	○
DIN69871 40 MTB2x60	2	60	32	M16	1.30	○
DIN69871 40 MTB3x75	3	75	40	M16	1.40	○
※ DIN69871 40 MTB4x90	4	90	50	M16	1.50	○
DIN69871 50 MTB1x45	1	45	25	M24	2.66	○
DIN69871 50 MTB2x45	2	45	32	M24	2.66	○
DIN69871 50 MTB3x60	3	60	40	M24	2.75	○
DIN69871 50 MTB4x75	4	75	50	M24	2.93	○
※ DIN69871 50 MTB5x120	5	120	65	M24	3.77	○

- 刀柄若需数据芯片孔，请在型号后加 “X”
- 订货示例：1 件 DIN69871 40 MTB1x45
- “※” 需配专用拉钉
- If needing the hole for data chip, please add "X" at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 MTB1x45
- “※” It indicates that the special pull stud needed



G22-G26



G26

备件

Spare Parts



规格型号 Designation	锁紧螺钉 Clamping screw
DIN69871 40 MTB1x45	SR22 M6x25
DIN69871 40 MTB2x60	SR155 M10x35
DIN69871 40 MTB3x75	SR155 M12x30
※ DIN69871 40 MTB4x90	-
DIN69871 50 MTB1x45	SR55 M6x25
DIN69871 50 MTB2x45	SR55 M10x35
DIN69871 50 MTB3x60	SR55 M12x35
DIN69871 50 MTB4x75	SR155 M16x40
※ DIN69871 50 MTB5x120	-

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

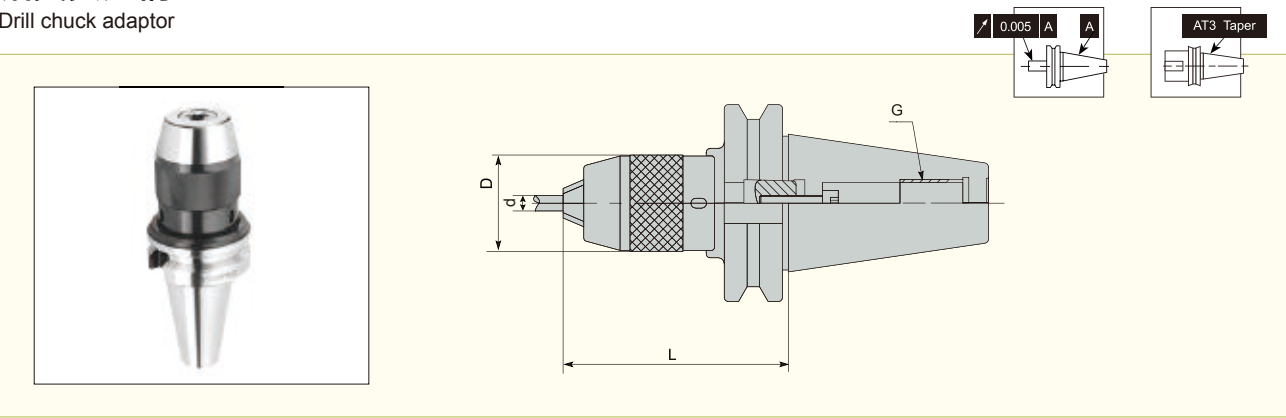
● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

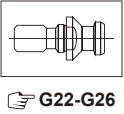
DIN69871-A

钻夹头刀柄
Drill chuck adaptor



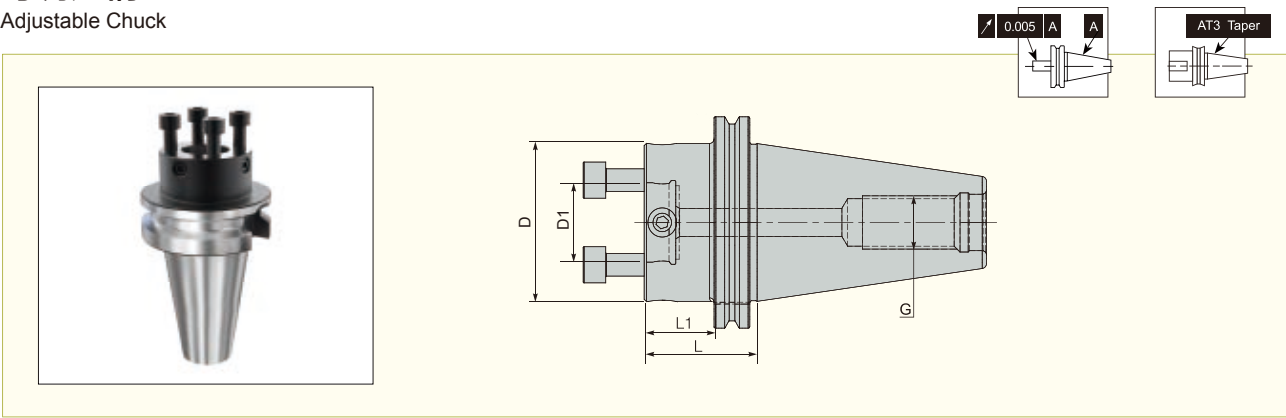
规格型号 Designation	L	D	夹持范围 clamping range	G	Kg	在庫 Stock
DIN69871 40 APU13	82	50	0.5-13	M16	1.7	○
DIN69871 40 APU16	105	57	3-16	M16	2.4	○
DIN69871 50 APU13	85	50	0.5-13	M24	3.6	○
DIN69871 50 APU16	90	57	3-16	M24	3.9	○

- 刀柄若需数据芯片孔，请在型号后加 “X”
- 订货示例：1 件 DIN69871 40 APU13
- If needing the hole for data chip, please add “X” at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 APU13



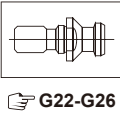
DIN69871-A

可调刀柄
Adjustable Chuck



规格型号 Designation	ISO	D	D1	L	L1	G	kg	在庫 Stock
DIN69871 40 SL70x50	40	70	35	50	31	M16	1.28	○
DIN69871 50 SL70x50	50	70	35	50	31	M24	3.32	○

- 刀柄配件，请参照：D20 页
- 刀柄若需数据芯片孔，请在型号后加 “X”
- 订货示例：1 件 DIN69871 40 SL70x55
- Spare parts, please see page D20.
- If needing the hole for data chip, please add “X” at the end of the designation.
- Ordering sample: 1 PC DIN69871 40 SL70x55



HSK-A



D

刀柄系统 ADAPTORS

HSK-A

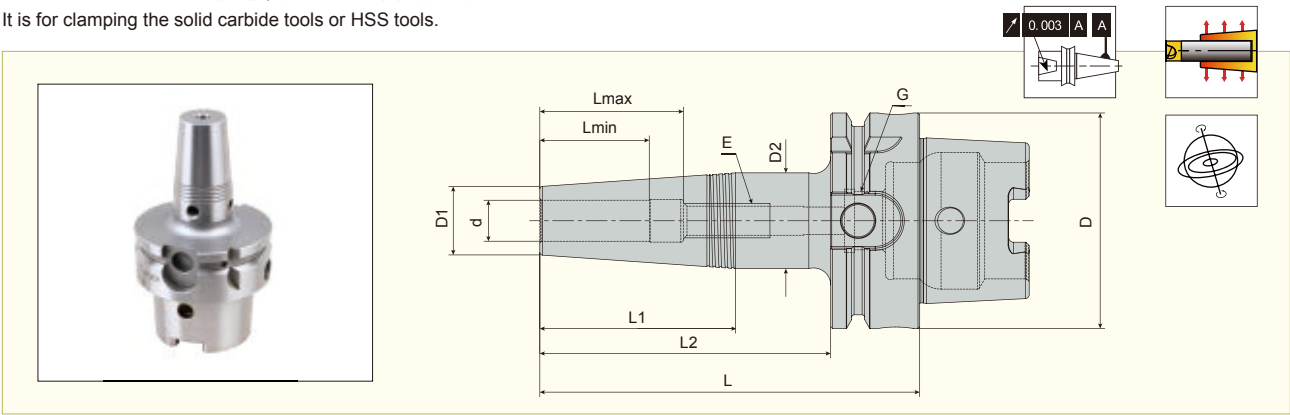
热缩刀柄	D39
Shrink Fit Adaptor	
ER 筒夹刀柄	D42
ER Collet Chuck Adaptor	
高精度 ER 筒夹刀柄	D43
High Precision ER Collet Chuck Adaptor	
侧固式刀柄 (DIN 1835-B).....	D44
Weldon Adaptor	
2° 侧固式刀柄 (DIN 1835-E)	D45
2° Weldon Adaptor(DIN1835-E)	
强力铣夹头刀柄	D45
Power Chuck Adaptor	
面铣刀柄	D46
Face Mill Adaptor	
液压刀柄	D48
Hydraulic Chuck Adaptor	
可调刀柄	D50
Adjustable Chuck	
DIN 69893 HSK A 型半成品刀柄	D50
DIN 69893 HSK A Semifinished Adaptor	

HSK-A

热缩刀柄

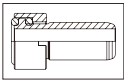
Shrink Fit Adaptor

DIN69871 HSK-A 型热缩刀柄，仅用于夹持硬质合金刀具。
It is for clamping the solid carbide tools or HSS tools.



规格型号 Designation	d	D	D1	D2	L1	L2	L	Lmin	Lmax	E	G	Kg	在庫 Stock
HSK A63 SRK3x76	3	63	10	17.0	-	50	76	10	16	M6	M18x1	0.7	○
HSK A63 SRK3x111	3	63	10	21.0	79	85	111	10	16	M6	M18x1	0.8	○
HSK A63 SRK4x76	4	63	10	17.0	-	50	76	12	18	M6	M18x1	0.7	○
HSK A63 SRK4x111	4	63	10	21.0	79	85	111	12	18	M6	M18x1	0.7	○
HSK A63 SRK5x76	5	63	10	17.0	-	50	76	15	21	M6	M18x1	0.7	○
HSK A63 SRK5x111	5	63	10	21.0	79	85	111	15	21	M6	M18x1	0.8	○
HSK A63 SRK6x76	6	63	11	18.0	-	50	76	18	24	M8	M18x1	0.7	●
HSK A63 SRK6x111	6	63	11	22.0	79	85	111	18	24	M8	M18x1	0.8	●
HSK A63 SRK8x76	8	63	14	20.0	43	50	76	25	36	M6	M18x1	0.7	●
HSK A63 SRK8x111	8	63	14	23.0	64	85	111	25	36	M6	M18x1	0.8	●
HSK A63 SRK10x76	10	63	16	23.0	-	50	76	30	41	M8	M18x1	0.7	●
HSK A63 SRK10x111	10	63	16	26.0	72	85	111	30	41	M8	M18x1	0.8	●
HSK A63 SRK12x76	12	63	20	27.0	-	50	76	32	43	M10	M18x1	0.8	●
HSK A63 SRK12x111	12	63	20	30.0	72	85	111	32	43	M10	M18x1	0.9	●

- 内冷却管需单独订购
- 当工作转速 N=25,000RPM 时，刀柄的平衡等级为 G2.5
- 订货示例：HSK A63 SRK3×76
- Inner coolant tube should be ordered separately.
- It is with G2.5/25,000 RPM.
- Ordering sample: 1 PC HSK A63 SRK3×76



G21

备件

Spare Parts



E	锁紧螺钉 Clamping screw	锁紧扳手 (选配) Allen key for clamping screw
M5	SR50 M5x20.BC	KEY01 M2.5
M6	SR50 M6x20.BC	KEY01 M3
M8	SR50 M8x20.BC	KEY01 M4
M10	SR50 M10x18.BC	KEY01 M5
M12	SR50 M12x18.BC	KEY01 M6
M16	SR50 M16x20.BC	KEY01 M8

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

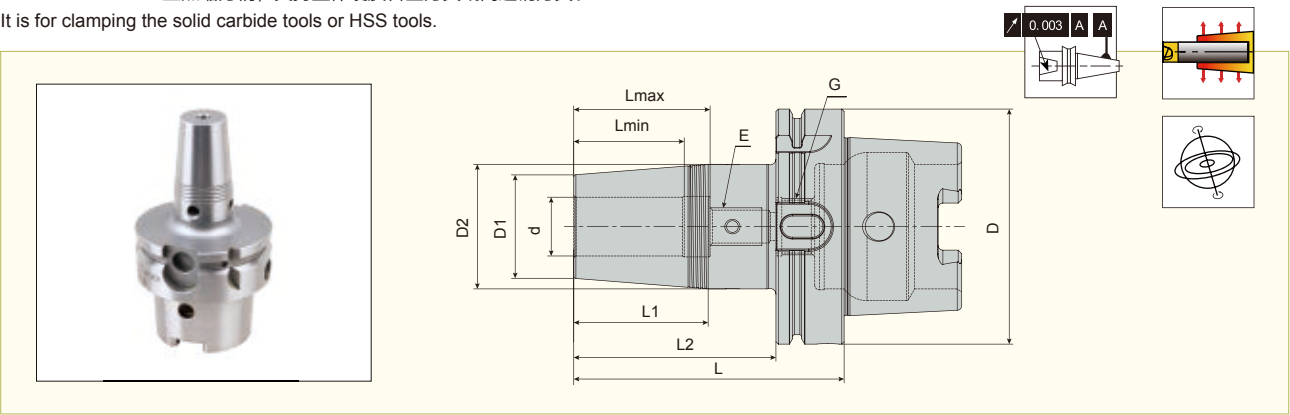
○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

HSK-A

热缩刀柄

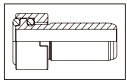
Shrink Fit Adaptor

DIN69893 HSK A 型热缩刀柄，夹持整体硬质合金刀具或高速钢刀具。
It is for clamping the solid carbide tools or HSS tools.



规格型号 Designation	d	D	D1	D2	L1	L2	L	Lmin	Lmax	E	G	Kg	在庫 Stock
HSK A50 SRKIN6x80	6	50	21	27	38	54	80	25	36	M5	M16x1	0.57	○
HSK A50 SRKIN8x80	8	50	21	27	38	54	80	25	36	M6	M16x1	0.57	○
HSK A50 SRKIN10x85	10	50	24	32	51	59	85	31	42	M8	M16x1	0.64	○
HSK A50 SRKIN12x90	12	50	24	32	51	64	90	36	47	M10	M16x1	0.65	○
HSK A50 SRKIN14x90	14	50	27	34	45	64	90	36	47	M10	M16x1	0.7	○
HSK A50 SRKIN16x95	16	50	27	34	45	69	95	39	50	M10	M16x1	0.71	○
HSK A63 SRKIN6x80	6	63	21	27.0	38.0	54	80	25	36	M5	M18x1	0.8	○
HSK A63 SRKIN6x120	6	63	21	27.0	38.0	94	120	25	36	M5	M18x1	1.0	●
HSK A63 SRKIN6x160	6	63	21	27.0	38.0	134	160	25	36	M5	M18x1	1.2	●
HSK A63 SRKIN8x80	8	63	21	27.0	38.0	54	80	25	36	M6	M18x1	0.9	●
HSK A63 SRKIN8x120	8	63	21	27.0	38.0	94	120	25	36	M6	M18x1	1.0	●
HSK A63 SRKIN8x160	8	63	21	27.0	38.0	134	160	25	36	M6	M18x1	1.2	●
HSK A63 SRKIN10x85	10	63	24	32.0	51.0	59	85	31	42	M8	M18x1	0.9	●
HSK A63 SRKIN10x120	10	63	24	32.0	51.0	94	120	31	42	M8	M18x1	1.1	●
HSK A63 SRKIN10x160	10	63	24	32.0	51.0	134	160	31	42	M8	M18x1	1.4	●
HSK A63 SRKIN12x90	12	63	24	32.0	51.0	64	90	36	42	M8	M18x1	0.9	●
HSK A63 SRKIN12x120	12	63	24	32.0	51.0	94	120	36	47	M10	M18x1	1.0	●
HSK A63 SRKIN12x160	12	63	24	32.0	51.0	134	160	36	47	M10	M18x1	1.3	●
HSK A63 SRKIN14x90	14	63	27	34.0	45.0	64	90	36	47	M10	M18x1	0.9	●
HSK A63 SRKIN14x120	14	63	27	34.0	45.0	94	120	36	47	M10	M18x1	1.2	●
HSK A63 SRKIN14x160	14	63	27	34.0	45.0	134	160	36	47	M10	M18x1	1.4	●
HSK A63 SRKIN16x75	16	63	27	34.0	-	49	75	39	50	-	M18x1	0.9	●
HSK A63 SRKIN16x95	16	63	27	34.0	44.0	69	95	39	50	M12	M18x1	1.0	●
HSK A63 SRKIN16x120	16	63	27	34.0	44.0	94	120	39	50	M12	M18x1	1.1	●
HSK A63 SRKIN16x160	16	63	27	34.0	44.0	134	160	39	50	M12	M18x1	1.4	●
HSK A63 SRKIN18x95	18	63	33	42.0	57.0	69	95	39	50	M12	M18x1	1.1	●
HSK A63 SRKIN18x120	18	63	33	42.0	57.0	94	120	39	50	M12	M18x1	1.4	●
HSK A63 SRKIN18x160	18	63	33	42.0	57.0	134	160	39	50	M12	M18x1	3.1	●
HSK A63 SRKIN20x75	20	63	33	42.0	-	49	75	41	50	-	M18x1	0.9	●
HSK A63 SRKIN20x100	20	63	33	42.0	57.0	74	100	41	52	M16	M18x1	1.1	●
HSK A63 SRKIN20x120	20	63	33	42.0	57.0	94	120	41	52	M16	M18x1	1.4	●
HSK A63 SRKIN20x160	20	63	33	42.0	57.0	134	160	41	52	M16	M18x1	1.8	●
HSK A63 SRKIN25x85	25	63	44	53.0	-	59	85	47	58	-	M18x1	1.3	●
HSK A63 SRKIN25x115	25	63	44	53.0	55.0	89	115	47	58	M16	M18x1	1.7	●
HSK A63 SRKIN32x85	32	63	44	53.0	-	59	85	47	58	-	M18x1	1.1	●
HSK A63 SRKIN32x120	32	63	44	53.0	55.0	94	120	47	58	M16	M18x1	1.7	●

- 刀柄配件，请参照：D39 页
- 内冷却管需单独订购
- 当工作转速 N=25,000RPM 时，刀柄的平衡等级为 G2.5
- 订货示例：HSK A50 SRKIN6×80
- Spare parts, please see page D39.
- Inner coolant tube should be ordered separately.
- It is with G2.5/25,000 RPM.
- Ordering sample: 1 PC HSK A50 SRKIN6x80.



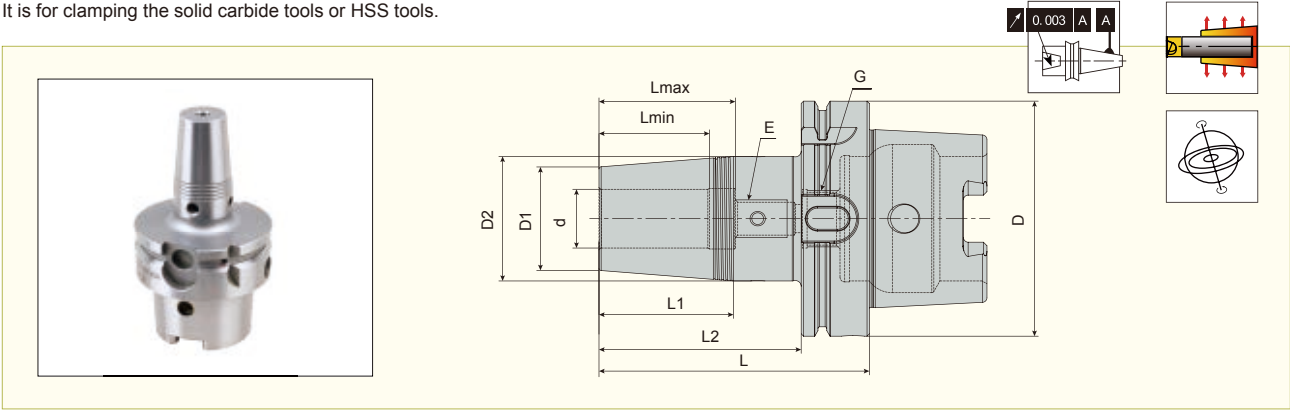
G21

HSK-A

热缩刀柄

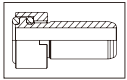
Shrink Fit Adaptor

DIN69893 HSK A 型热缩刀柄，夹持整体硬质合金刀具或高速钢刀具。
It is for clamping the solid carbide tools or HSS tools.



规格型号 Designation	d	D	D1	D2	L1	L2	L	Lmin	Lmax	E	G	Kg	在庫 Stock
HSK A100 SRKIN6x85	6	100	21	27.0	38.0	56	85	25	36	M5	M24x1.5	2.2	●
HSK A100 SRKIN6x120	6	100	21	27.0	38.0	91	120	25	36	M5	M24x1.5	2.3	●
HSK A100 SRKIN6x160	6	100	21	27.0	38.0	131	160	25	36	M5	M24x1.5	2.5	●
HSK A100 SRKIN8x85	8	100	21	27.0	38.0	56	85	25	36	M6	M24x1.5	2.2	●
HSK A100 SRKIN8x120	8	100	21	27.0	38.0	91	120	25	36	M6	M24x1.5	2.4	●
HSK A100 SRKIN8x160	8	100	21	27.0	38.0	131	160	25	36	M6	M24x1.5	2.6	●
HSK A100 SRKIN10x90	10	100	24	32.0	51.0	61	90	31	42	M8	M24x1.5	2.2	●
HSK A100 SRKIN10x120	10	100	24	32.0	51.0	91	120	31	42	M8	M24x1.5	2.5	●
HSK A100 SRKIN10x160	10	100	24	32.0	51.0	131	160	31	42	M8	M24x1.5	2.7	●
HSK A100 SRKIN12x95	12	100	24	32.0	51.0	66	95	36	47	M10	M24x1.5	2.3	●
HSK A100 SRKIN12x120	12	100	24	32.0	51.0	91	120	36	47	M10	M24x1.5	2.5	●
HSK A100 SRKIN12x160	12	100	24	32.0	51.0	131	160	36	47	M10	M24x1.5	2.7	●
HSK A100 SRKIN14x95	14	100	27	34.0	45.0	66	95	36	47	M10	M24x1.5	2.3	●
HSK A100 SRKIN14x120	14	100	27	34.0	45.0	91	120	36	47	M10	M24x1.5	2.5	●
HSK A100 SRKIN14x160	14	100	27	34.0	45.0	131	160	36	47	M10	M24x1.5	2.8	●
HSK A100 SRKIN16x100	16	100	27	34.0	45.0	71	100	39	50	M12	M24x1.5	2.4	●
HSK A100 SRKIN16x120	16	100	27	34.0	45.0	91	120	39	50	M12	M24x1.5	2.5	●
HSK A100 SRKIN16x160	16	100	27	34.0	45.0	131	160	39	50	M12	M24x1.5	2.7	●
HSK A100 SRKIN18x100	18	100	33	42.0	57.0	71	100	39	50	M12	M24x1.5	2.5	●
HSK A100 SRKIN18x160	18	100	33	42.0	57.0	131	160	39	50	M12	M24x1.5	3.1	●
HSK A100 SRKIN20x105	20	100	33	42.0	57.0	76	105	41	52	M16	M24x1.5	2.5	●
HSK A100 SRKIN20x160	20	100	33	42.0	57.0	131	160	41	52	M16	M24x1.5	1.1	●
HSK A100 SRKIN25x115	25	100	44	53.0	57.0	86	115	47	58	M16	M24x1.5	3.0	●
HSK A100 SRKIN32x120	32	100	44	53.0	57.0	91	120	47	58	M16	M24x1.5	3.0	●

- 内冷却管需单独订购
- 当工作转速 N=20000RPM 时，刀柄的平衡等级为 G2.5
- 订货示例：HSK A100 SRKIN6×85
- Inner coolant tube should be ordered separately.
- It is with G2.5/20000 RPM.
- Ordering sample: 1 PC HSK A100 SRKIN6x85.



✎ G21

备件

Spare Parts

E	轴向调节螺钉 Clamping screw	锁紧扳手（选配） Allen key for clamping screw
M5	SR50 M5x20.BC	KEY01 M2.5
M6	SR50 M6x20.BC	KEY01 M3
M8	SR50 M8x20.BC	KEY01 M4
M10	SR50 M10x18.BC	KEY01 M5
M12	SR50 M12x18.BC	KEY01 M6
M16	SR50 M16x20.BC	KEY01 M8

● 标准库存
Item in stock

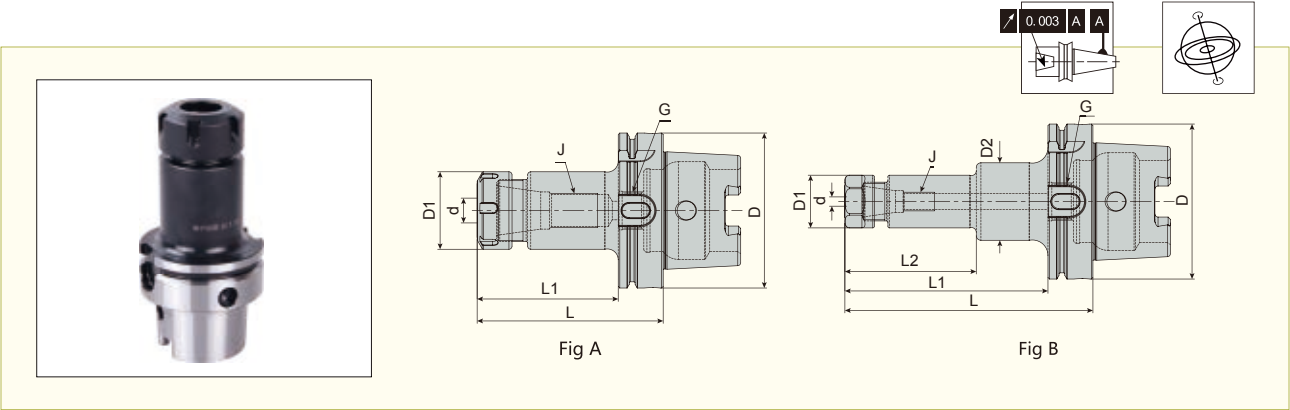
● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

HSK-A

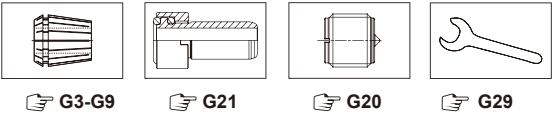
ER 筒夹刀柄

ER Collet Chuck Adaptor



规格型号 Designation	L	L1	L2	D	D1	D2	d	J	Fig	G	Kg	在庫 Stock
HSK A50 ER16x100 ⁽¹⁾	100	74	-	50	28	-	0.5-10	M10	A	M16x1	0.62	○
HSK A50 ER20x100 ⁽¹⁾	100	74	-	50	34	-	1-13	M12	A	M16x1	0.7	○
HSK A50 ER25x100 ⁽¹⁾	100	74	28.5	50	42	41.8	1-16	M16	B	M16x1	0.84	○
HSK A50 ER32x100 ⁽¹⁾	100	74	31	50	50	40.4	2-20	M22x1.5	B	M16x1	0.76	○
HSK A63 ER16x100 ⁽¹⁾	100	74	-	63	28	-	0.5-10	M10	A	M18x1.0	0.8	○
HSK A63 ER16x120 ⁽¹⁾	120	94	-	63	28	-	0.5-10	M10	A	M18x1.0	1.0	○
HSK A63 ER16x160 ⁽¹⁾	160	134	85.6	63	28	40	0.5-10	M10	B	M18x1.0	1.4	○
HSK A63 ER20x100 ⁽¹⁾	100	74	-	63	34	-	1-13	M12	A	M18x1.0	0.9	○
HSK A63 ER20x120 ⁽¹⁾	120	94	-	63	34	-	1-13	M12	A	M18x1.0	1.1	○
HSK A63 ER20x160 ⁽¹⁾	160	134	85	63	34	45	1-13	M12	B	M18x1.0	1.6	○
HSK A63 ER25x80 ⁽¹⁾	80	54	-	63	42	-	1-16	M8	A	M18x1.0	0.9	○
HSK A63 ER25x100 ⁽¹⁾	100	74	-	63	42	-	1-16	M16	A	M18x1.0	1.1	○
HSK A63 ER25x120 ⁽¹⁾	120	94	-	63	42	-	1-16	M16	A	M18x1.0	1.3	○
HSK A63 ER25x160 ⁽¹⁾	160	134	-	63	42	-	1-16	M16	A	M18x1.0	1.7	○
HSK A63 ER32x80 ⁽¹⁾	80	54	31	63	50	40.4	2-20	M22x1.5	B	M18x1.0	0.8	○
HSK A63 ER32x100 ⁽¹⁾	100	74	-	63	50	-	2-20	M22x1.5	A	M18x1.0	1.2	○
HSK A63 ER32x120 ⁽¹⁾	120	94	-	63	50	-	2-20	M22x1.5	A	M18x1.0	1.5	○
HSK A63 ER32x160 ⁽¹⁾	160	134	-	63	50	-	2-20	M22x1.5	A	M18x1.0	2.0	○
HSK A63 ER40x80 ⁽¹⁾	80	54	34	63	63	50.4	3-26	-	B	M18x1.0	0.9	○
HSK A63 ER40x100 ⁽¹⁾	100	74	34	63	63	50.4	3-26	M28x1.5	B	M18x1.0	1.2	○
HSK A63 ER40x120 ⁽¹⁾	120	94	34	63	63	50.4	3-26	M28x1.5	B	M18x1.0	1.4	○
HSK A100 ER16x100 ⁽²⁾	100	71	-	100	28	-	0.5-10	M10	A	M24x1.5	2.2	○
HSK A100 ER16x160 ⁽²⁾	160	131	85	100	28	40	0.5-10	M10	B	M24x1.5	2.7	○
HSK A100 ER20x100 ⁽²⁾	100	71	-	100	34	-	1-13	M12	A	M24x1.5	2.3	○
HSK A100 ER20x160 ⁽²⁾	120	131	85	100	34	50	1-13	M12	B	M24x1.5	3.1	○
HSK A100 ER25x100 ⁽²⁾	100	71	-	100	42	-	1-16	M16	A	M24x1.5	2.5	○
HSK A100 ER25x120 ⁽²⁾	120	91	-	100	42	-	1-16	M16	A	M24x1.5	2.7	○
HSK A100 ER25x160 ⁽²⁾	160	131	-	100	42	-	1-16	M16	A	M24x1.5	3.1	○
HSK A100 ER32x100 ⁽²⁾	100	71	-	100	50	-	2-20	M22x1.5	A	M24x1.5	2.5	○
HSK A100 ER32x120 ⁽²⁾	120	91	-	100	50	-	2-20	M22x1.5	A	M24x1.5	2.8	○
HSK A100 ER32x160 ⁽²⁾	160	131	-	100	50	-	2-20	M22x1.5	A	M24x1.5	3.3	○
HSK A100 ER40x100 ⁽²⁾	100	71	-	100	63	-	3-26	M28x1.5	A	M24x1.5	2.8	○
HSK A100 ER40x120 ⁽²⁾	120	91	-	100	63	-	3-26	M28x1.5	A	M24x1.5	3.2	○
HSK A100 ER40x160 ⁽²⁾	160	131	-	100	63	-	3-26	M28x1.5	A	M24x1.5	4.1	○

- 内冷却管需单独订购
- (1)当工作转速 N=20000RPM 时，刀柄的平衡等级为 G2.5，
(2)当工作转速 N=12000RPM 时，刀柄的平衡等级为 G6.3
- 订货示例：一件 HSK A50 ER16×100
- Inner coolant tube should be ordered separately.
- It is with G2.5/25,000 RPM, and G6.3/12,000 RPM.
- Ordering sample: 1 PC HSK A50 ER16x100.



备件

Spare Parts

规格型号 Designation	螺帽 ER NUT
ER16	NUT ER16
ER20	NUT ER20
ER25	NUT ER25
ER32	NUT ER32
ER40	NUT ER40

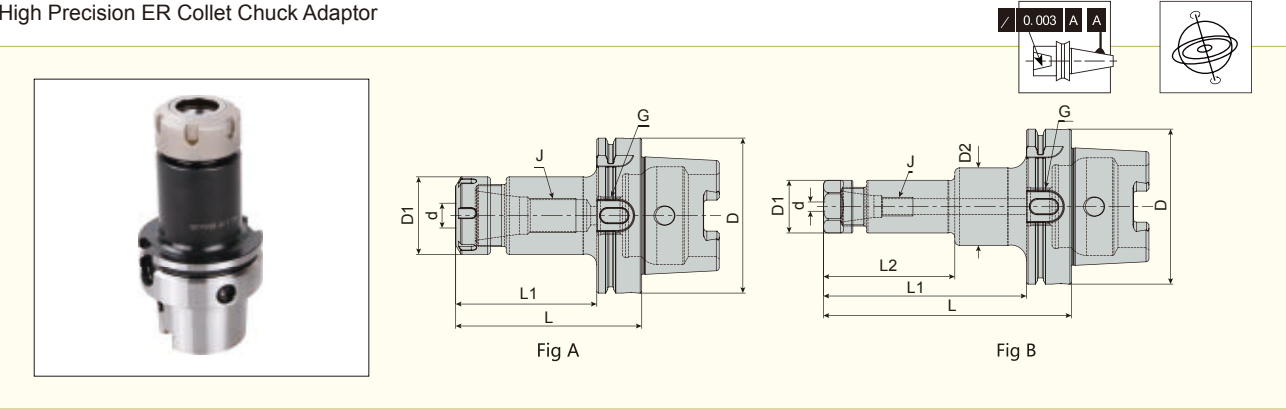
● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

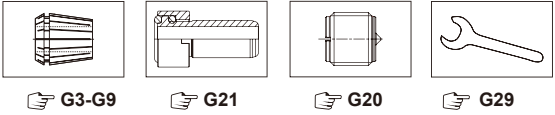
HSK-A

高精度 ER 筒夹刀柄
High Precision ER Collet Chuck Adaptor



规格型号 Designation	L	L1	L2	D	D1	D2	d	J	Fig	G	Kg	在庫 Stock
HSK A50 ER16x100.TOP ⁽¹⁾	100	74	-	50	28	-	0.5-10	M10	A	M16x1	0.62	○
HSK A50 ER20x100.TOP ⁽¹⁾	100	74	-	50	34	-	1-13	M12	A	M16x1	0.7	○
HSK A50 ER25x100.TOP ⁽¹⁾	100	74	28.5	50	42	41.8	1-16	M16	B	M16x1	0.84	○
HSK A50 ER32x100.TOP ⁽¹⁾	100	74	31	50	50	40.4	2-20	M22x1.5	B	M16x1	0.76	○
HSK A63 ER16x120.TOP ⁽¹⁾	100	74	-	63	28	-	0.5-10	M10	A	M18x1.0	0.8	○
HSK A63 ER16x120.TOP ⁽¹⁾	120	94	-	63	28	-	0.5-10	M10	A	M18x1.0	1.0	○
HSK A63 ER16x160.TOP ⁽¹⁾	160	134	85.6	63	28	40	0.5-10	M10	B	M18x1.0	1.4	○
HSK A63 ER20x100.TOP ⁽¹⁾	100	74	-	63	34	-	1-13	M12	A	M18x1.0	0.9	○
HSK A63 ER20x120.TOP ⁽¹⁾	120	94	-	63	34	-	1-13	M12	A	M18x1.0	1.1	○
HSK A63 ER20x160.TOP ⁽¹⁾	160	134	85	63	34	45	1-13	M12	B	M18x1.0	1.6	○
HSK A63 ER25x80.TOP ⁽¹⁾	80	54	-	63	42	-	1-16	M8	A	M18x1.0	0.9	○
HSK A63 ER25x100.TOP ⁽¹⁾	100	74	-	63	42	-	1-16	M16	A	M18x1.0	1.1	○
HSK A63 ER25x120.TOP ⁽¹⁾	120	94	-	63	42	-	1-16	M16	A	M18x1.0	1.3	○
HSK A63 ER25x160.TOP ⁽¹⁾	160	134	-	63	42	-	1-16	M16	A	M18x1.0	1.7	○
HSK A63 ER32x80.TOP ⁽¹⁾	80	54	31	63	50	40.4	2-20	M22x1.5	B	M18x1.0	0.8	○
HSK A63 ER32x100.TOP ⁽¹⁾	100	74	-	63	50	-	2-20	M22x1.5	A	M18x1.0	1.2	○
HSK A63 ER32x120.TOP ⁽¹⁾	120	94	-	63	50	-	2-20	M22x1.5	A	M18x1.0	1.5	○
HSK A63 ER32x160.TOP ⁽¹⁾	160	134	-	63	50	-	2-20	M22x1.5	A	M18x1.0	2.0	○
HSK A63 ER40x80.TOP ⁽¹⁾	80	54	34	63	63	50.4	3-26	-	B	M18x1.0	0.9	○
HSK A63 ER40x100.TOP ⁽¹⁾	100	74	34	63	63	50.4	3-26	M28x1.5	B	M18x1.0	1.2	○
HSK A63 ER40x120.TOP ⁽¹⁾	120	94	34	63	63	50.4	3-26	M28x1.5	B	M18x1.0	1.4	○
HSK A100 ER16x100.TOP ⁽²⁾	100	71	-	100	28	-	0.5-10	M10	A	M24x1.5	2.2	○
HSK A100 ER16x160.TOP ⁽²⁾	160	131	85	100	28	40	0.5-10	M10	B	M24x1.5	2.7	○
HSK A100 ER20x100.TOP ⁽²⁾	100	71	-	100	34	-	1-13	M12	A	M24x1.5	2.3	○
HSK A100 ER20x160.TOP ⁽²⁾	120	131	85	100	34	50	1-13	M12	B	M24x1.5	3.1	○
HSK A100 ER25x100.TOP ⁽²⁾	100	71	-	100	42	-	1-16	M16	A	M24x1.5	2.5	○
HSK A100 ER25x120.TOP ⁽²⁾	120	91	-	100	42	-	1-16	M16	A	M24x1.5	2.7	○
HSK A100 ER25x160.TOP ⁽²⁾	160	131	-	100	42	-	1-16	M16	A	M24x1.5	3.1	○
HSK A100 ER32x100.TOP ⁽²⁾	100	71	-	100	50	-	2-20	M22x1.5	A	M24x1.5	2.5	○
HSK A100 ER32x120.TOP ⁽²⁾	120	91	-	100	50	-	2-20	M22x1.5	A	M24x1.5	2.8	○
HSK A100 ER32x160.TOP ⁽²⁾	160	131	-	100	50	-	2-20	M22x1.5	A	M24x1.5	3.3	○
HSK A100 ER40x100.TOP ⁽²⁾	100	71	-	100	63	-	3-26	M28x1.5	A	M24x1.5	2.8	○
HSK A100 ER40x120.TOP ⁽²⁾	120	91	-	100	63	-	3-26	M28x1.5	A	M24x1.5	3.2	○
HSK A100 ER40x160.TOP ⁽²⁾	160	131	-	100	63	-	3-26	M28x1.5	A	M24x1.5	4.1	○

- 内冷却管需单独订购
- (1)当工作转速 N=20000RPM 时，刀柄的平衡等级为 G2.5，
(2)当工作转速 N=12000RPM 时，刀柄的平衡等级为 G6.3
- 订货示例：一件 HSK A63 ER16x100.TOP
- Inner coolant tube should be ordered separately.
- It is with G2.5/25,000 RPM, and G6.3/12,000 RPM.
- Ordering sample: 1 PC HSK A63 ER16x100.TOP.



备件

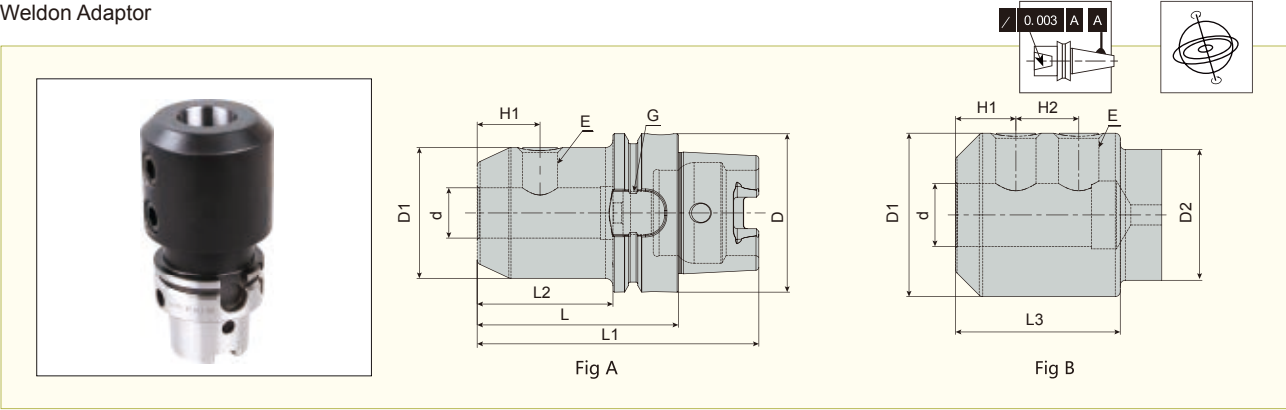
Spare Parts

规格型号 Designation	螺帽 ER NUT
ER16.TOP	NUT ER16.TOP
ER20.TOP	NUT ER20.TOP
ER25.TOP	NUT ER25.TOP
ER32.TOP	NUT ER32.TOP
ER40.TOP	NUT ER40.TOP

- 标准库存
Item in stock
- 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

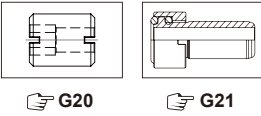
HSK-A

侧固式刀柄 (DIN 1835-B)
Weldon Adaptor



规格型号 Designation	d	D	D1	D2	L	L1	L2	L3	H1	H2	Fig	G	E	Kg	在庫 Stock
HSK A50 EM16x80	16	50	48	41.5	80	105	54	37	24	-	A	M16x1	M14	0.96	○
HSK A50 EM20x80	20	50	52	41.5	80	105	54	37	25	-	A	M16x1	M16	0.99	○
HSK A63 EM16x80	16	63	48	-	80	112	54	-	24	-	A	M18x1	M14	1.20	○
HSK A63 EM20x80	20	63	52	-	80	112	54	-	25	-	A	M18x1	M16	1.30	○
HSK A63 EM25x110	25	63	65	52	110	142	84	66	24	25	B	M18x1	M18x2	2.24	○
HSK A63 EM32x110	32	63	72	52	110	142	84	66	24	28	B	M18x1	M20x2	2.24	○
HSK A100 EM16x100	16	100	48	-	100	150	71	-	24	-	A	M24x1.5	M14	2.82	○
HSK A100 EM20x100	20	100	52	-	100	150	71	-	25	-	A	M24x1.5	M16	2.93	○
HSK A100 EM25x100	25	100	65	-	100	150	71	-	24	25	B	M24x1.5	M18x2	3.50	○
HSK A100 EM32x100	32	100	72	-	100	150	71	-	24	28	B	M24x1.5	M20x2	3.70	○
HSK A100 EM40x110	40	100	85	-	110	160	81	-	30	32	B	M24x1.5	M20x2	4.52	○
HSK A100 EM50x140	50	100	98	85	140	190	111	93	35	35	B	M24x1.5	M24x2	6.70	○

- 内冷却管需单独订购
- 订货示例：一件 HSK A50 EM16x80
- Inner coolant tube should be ordered separately.
- Ordering sample: 1 PC HSK A50 EM16x80.



备件

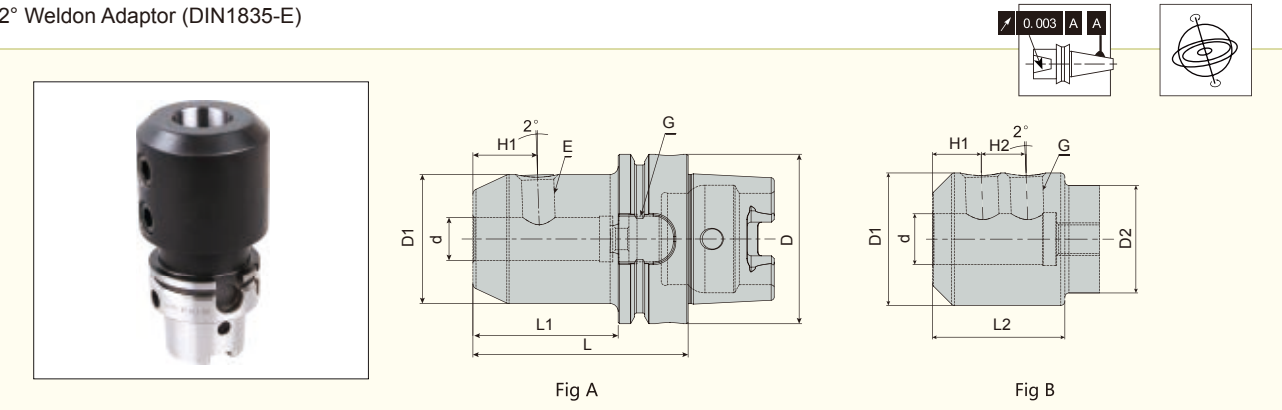
Spare Parts

规格 Designation	锁紧螺钉 Lock screw	锁紧扳手 (选配) Allen key
EM16	SR54 M14x16	KEY01 M6
EM20	SR54 M16x16	KEY01 M8
EM25	SR54 M18x20-X	KEY01 M8
EM32	SR54 M20x20-X	KEY01 M10
EM40	SR54 M20x25-X	KEY01 M10
EM50	SR54 M24x25-X	KEY01 M12

- 标准库存
Item in stock
- 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

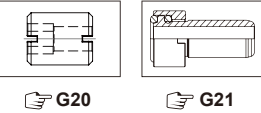
HSK-A

2° 侧固式刀柄 (DIN 1835-E)
2° Weldon Adaptor (DIN1835-E)

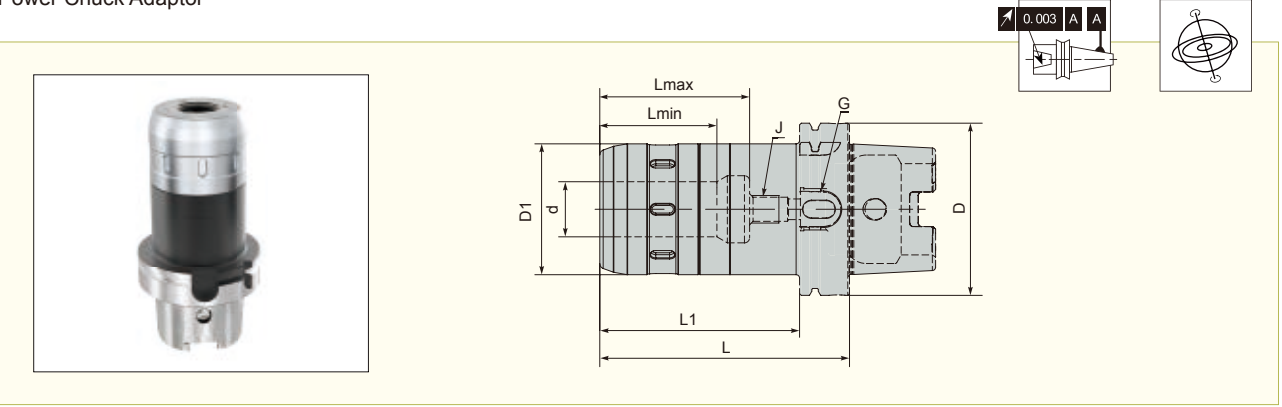


规格型号 Designation	D	D1	D2	D	L	L1	L2	H1	H2	Fig	E	J	G	Kg	在库 Stock
HSK A50 EM16x90E	50	16	-	48	90	64	-	24	-	A	M14	M12	M16x1	1.08	○
HSK A50 EM20x100E	50	20	-	52	100	74	-	25	-	A	M16	M16	M16x1	1.3	○
HSK A63 EM16x100E	63	16	-	48	100	74	-	24	-	A	M14	M12	M18x1	1.51	○
HSK A63 EM20x100E	63	20	-	52	100	74	-	25	-	A	M16	M16	M18x1	1.65	○
HSK A63 EM25x110E	63	25	52	65	110	84	65.5	24	22	B	M18x2	M16	M18x1	2.23	○
HSK A63 EM32x110E	63	32	52	72	110	84	65.5	24	24	B	M20x2	M20x2	M18x1	2.43	○
HSK A100 EM16x100E	100	16	-	48	100	71	-	24	-	A	M14	M12	M24x1.5	2.88	○
HSK A100 EM20x110E	100	20	-	52	110	81	-	25	-	A	M16	M16	M24x1.5	3.1	○
HSK A100 EM25x120E	100	25	-	65	120	91	-	24	22	B	M18x2	M20x2	M24x1.5	3.91	○
HSK A100 EM32x120E	100	32	-	72	120	91	-	24	24	B	M20x2	M20x2	M24x1.5	4.32	○

- 侧固刀柄锁紧螺钉, 请参照: D44 页
- 订货示例: 一件 HSK A50 EM16x90E
- Inner coolant tube should ,please see page D44.
- Ordering sample: 1 PC HSK A50 EM16x90E.

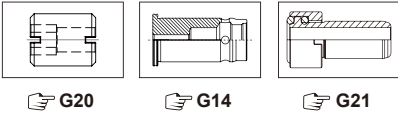


强力铣夹头刀柄
Power Chuck Adaptor



规格型号 Designation	D	D1	d	L	L1	Lmin	Lmax	G	J	Kg	在库 Stock
HSK A63 DMG32x110	63	75	32	110	84	-	90	M18x1	-	2.90	○
HSK A63 DMG32x140.C	63	76	32	140	114	68	87	M18x1	M16	3.43	○
HSK A100 DMG32x130	100	75	32	130	101	-	90	M24x1.5	-	4.00	○
HSK A100 DMG32x145.C	100	76	32	145	116	68	87	M24x1.5	M16	5.14	○

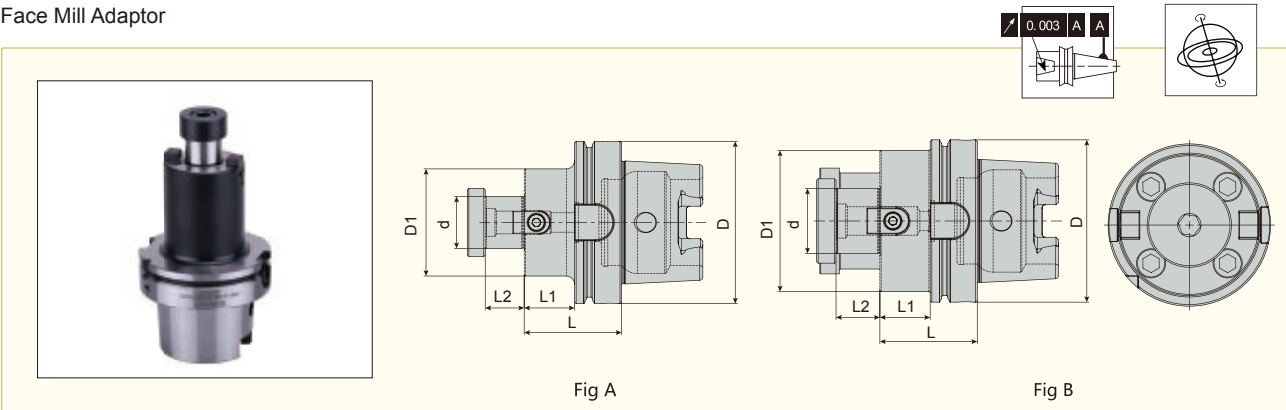
- 强力直柄筒夹, 请参照: H17 页
- 内冷却管需单独订购
- 订货示例: 1 件 HSK A63 DMG20x110
- Spare parts,please see page H17.
- Inner coolant tube should be ordered separately.
- Ordering sample: 1 HSK A63 DMG20x110.



- 标准库存
Item in stock
- 半标准库存 (订货时, 请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时, 请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

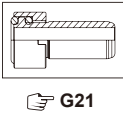
HSK-A

面铣刀刀柄
Face Mill Adaptor



规格型号 Designation	D	D1	d	L	L1	L2	Fig	Kg	在库 Stock
HSK A50 SEM16x50 ⁽¹⁾	50	38	16	50	24	17	A	0.6	○
HSK A50 SEM22x60 ⁽¹⁾	50	47	22	60	34	19	A	0.8	○
HSK A50 SEM27x60 ⁽¹⁾	50	58	27	60	34	21	A	0.96	○
HSK A63 SEM16x50 ⁽¹⁾	63	38	16	50	24	17	A	0.87	○
HSK A63 SEM22x50 ⁽¹⁾	63	47	22	50	24	19	A	1.07	○
HSK A63 SEM27x60 ⁽¹⁾	63	58	27	60	34	21	A	1.45	○
HSK A63 SEM32x60 ⁽¹⁾	63	66	32	60	34	24	A	1.72	○
HSK A63 SEM40x60 ⁽¹⁾	63	89	40	60	34	27	B	2.37	○
HSK A100 SEM16x50 ⁽²⁾	100	38	16	50	21	17	A	2.20	○
HSK A100 SEM22x50 ⁽²⁾	100	47	22	50	21	19	A	2.36	○
HSK A100 SEM27x50 ⁽²⁾	100	58	27	50	21	21	A	2.59	○
HSK A100 SEM32x50	100	66	32	50	21	24	A	2.91	○
HSK A100 SEM40x60 ⁽²⁾	100	87	40	60	31	27	B	3.96	○
HSK A100 SEM60x75 ⁽²⁾	100	128	60	75	46	30	B	4.96	○

- 内冷却管需单独订购
- (1)当工作转速 N=15000RPM 时, 刀柄的平衡等级为 G2.5, (2)当工作转速 N=12000RPM 时, 刀柄的平衡等级为 G6.3
- 订货示例: 一件 HSK A63 SEM22x60
- Inner coolant tube should be ordered separately.
- It is with G2.5/25,000 RPM, and G6.3/12,000 RPM.
- Ordering sample: 1 PC HSK A63 SEM22x60.



备件

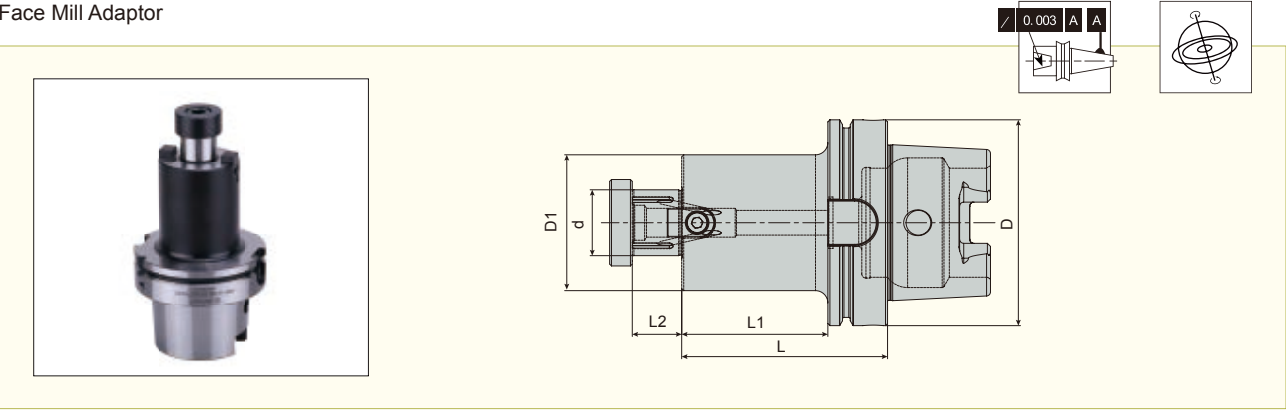
Spare Parts

规格 Designation	平键 Flat key	平键锁紧螺钉 Clamping screw for flat key	大头螺钉 Clamping screw	压紧螺钉 Clamping screw
SEM16	PL10 8x6	SR55 M3x10	-	SR55 M8x25
SEM22	PL10 10x9	SR55 M5x12	SRB22-M10	SR55 M10x30
SEM27	PL10 12x10	SR55 M6x12	SRB27-M12	SR55 M12x35
SEM32	PL10 14x12	SR55 M6x16	SRB32-M16	SR55 M16x40
SEM40	PL10 16x12	SR55 M6x16	SRB40-M20	SR55 M12x45
SEM60	PL10 25x18	SR55 M10x20	-	SR55 M16x60

- 标准库存
Item in stock
- 半标准库存 (订货时, 请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时, 请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

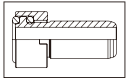
HSK-A

面铣刀刀柄
Face Mill Adaptor



规格型号 Designation	D	d	D1	L	L1	L2	Kg	在庫 Stock
HSK A63 SEM16x50.C	63	16	38	50	24	17	0.84	○
HSK A63 SEM22x50.C	63	22	47	50	24	19	0.97	○
HSK A63 SEM27x60.C	63	27	58	60	34	21	1.28	○
HSK A63 SEM32x60.C	63	32	66	60	34	24	1.38	○
HSK A100 SEM16x100.C	100	16	38	100	71	17	2.60	○
HSK A100 SEM22x100.C	100	22	47	100	71	19	2.94	○
HSK A100 SEM27x100.C	100	27	58	100	71	21	3.60	○
HSK A100 SEM32x100.C	100	32	66	100	71	24	4.62	○

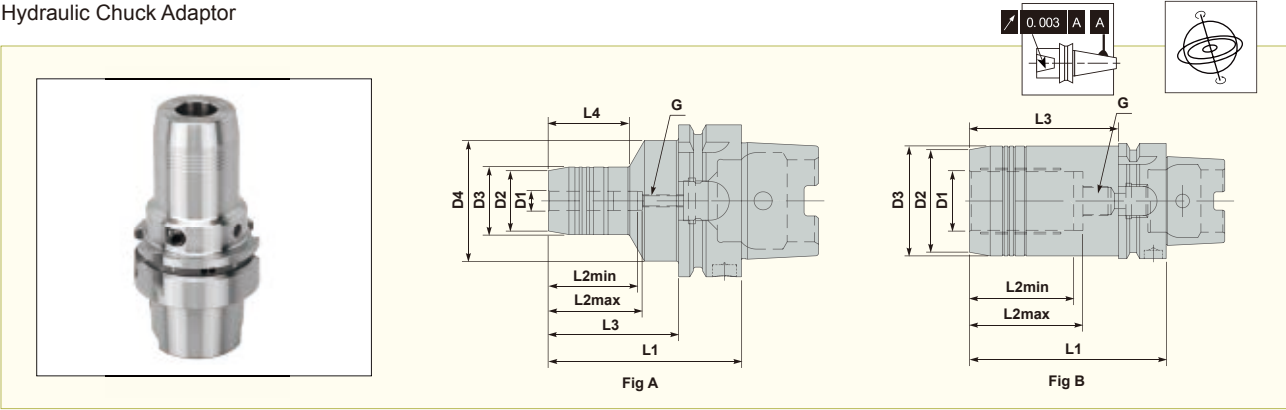
- 内冷却管需单独订购
- 当工作转速 N=25,000RPM 时，刀柄的平衡等级为 G2.5
- 订货示例：1 件 HSK A63 SEM16x50.C
- Inner coolant tube should be ordered separately.
- It is with G2.5/25,000 RPM.
- Ordering sample: 1 PC HSK A63 SEM16x50.C.



G21

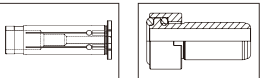
HSK-A

液压刀柄
Hydraulic Chuck Adaptor



规格型号 Designation	D1	D2	D3	D4	L1	L2max	L2min	L3	L4	G	Fig	在庫 Stock
HSK A50 HYDRO 6x80	6	23	26	42	80	37	27	54	35	M5	FigA	●
HSK A50 HYDRO 8x80	8	25	28	42	80	37	27	54	36	M6	FigA	●
HSK A50 HYDRO 10x85	10	27	30	42	85	42	32	59	41	M8×1.0	FigA	●
HSK A50 HYDRO 12x90	12	29	32	42	90	47	37	64	47	M10×1.0	FigA	●
HSK A50 HYDRO 14x90	14	30	34	42	90	47	37	64	49	M10×1.0	FigA	●
HSK A50 HYDRO 16x95	16	34	38	42	95	52	42	69	52	M12×1.0	FigA	●
HSK A50 HYDRO 18x95	18	36	40	42	95	52	42	69	52	M12×1.0	FigA	●
HSK A50 HYDRO 20x100	20	38	42	-	100	52	42	74	-	M10×1.0	FigB	●
HSK A63 HYDRO 6x80	6	23	26	50	80	37	27	54	33	M5	FigA	●
HSK A63 HYDRO 6x150	6	23	26	50	150	37	27	124	103	M5	FigA	●
HSK A63 HYDRO 6x200	6	23	26	50	200	37	27	174	153	M5	FigA	●
HSK A63 HYDRO 8x80	8	25	28	50	80	37	27	54	33	M6	FigA	●
HSK A63 HYDRO 8x150	8	25	28	50	150	37	27	124	104	M6	FigA	●
HSK A63 HYDRO 8x200	8	25	28	50	200	37	27	174	154	M6	FigA	●
HSK A63 HYDRO 10x85	10	27	30	50	85	42	32	59	39	M8×1.0	FigA	●
HSK A63 HYDRO 10x150	10	27	30	50	150	42	32	124	104	M8×1.0	FigA	●
HSK A63 HYDRO 10x200	10	27	30	50	200	42	32	174	154	M8×1.0	FigA	●
HSK A63 HYDRO 12x90	12	29	32	50	90	47	37	64	44	M10×1.0	FigA	●
HSK A63 HYDRO 12x150	12	29	32	50	150	47	37	124	105	M10×1.0	FigA	●
HSK A63 HYDRO 12x200	12	29	32	50	200	47	37	174	155	M10×1.0	FigA	●
HSK A63 HYDRO 14x90	14	30	34	50	90	47	37	64	46	M10×1.0	FigA	●
HSK A63 HYDRO 14x150	14	30	34	50	150	47	37	124	105	M10×1.0	FigA	●
HSK A63 HYDRO 14x200	14	30	34	50	200	47	37	174	155	M10×1.0	FigA	●
HSK A63 HYDRO 16x95	16	34	38	50	95	52	42	69	52	M12×1.0	FigA	●
HSK A63 HYDRO 16x150	16	34	38	50	150	52	42	124	106.5	M12×1.0	FigA	●
HSK A63 HYDRO 16x200	16	34	38	50	200	52	42	174	156.5	M12×1.0	FigA	●
HSK A63 HYDRO 18x95	18	36	40	50	95	52	42	69	52	M12×1.0	FigA	●
HSK A63 HYDRO 18x150	18	36	40	50	150	52	42	124	107	M12×1.0	FigA	●
HSK A63 HYDRO 18x200	18	36	40	50	200	52	42	174	157	M12×1.0	FigA	●
HSK A63 HYDRO 20x100	20	38	42	50	100	52	42	74	58	M16×1.0	FigA	●

- 在 2.5 x D 处回转精度 < 0.003 mm
- 转速为 25,000 RPM 时动平衡等级达到 G2.5 或 Umax < 1g mm
- 用于自动换刀
- 使用减径套可夹持更多直径尺寸
- 订货示例：1 件 HSK A63 HYDRO 10x85
- Run-out accuracy < 0.003 mm at 2.5 x D
- Balancing grade G2.5 at 25,000 RPM or Umax < 1g mm
- For automatic tool change
- Additional shank diameters can be clamped using intermediatesleeves
- Ordering sample: 1 PC HSK A63 HYDRO 10x85



G15

G21

备件

Spare Parts



规格 Designation	平键 Flat key	平键锁紧螺钉 Clamping screw for flat key	大头螺钉 Clamping screw	压紧螺钉 Clamping screw
SEM16	PL10 8x6	SR55 M3x10	-	SR55 M8x25
SEM22	PL10 10x9	SR55 M5x12	SRB22-M10	SR55 M10x30
SEM27	PL10 12x10	SR55 M6x12	SRB27-M12	SR55 M12x35
SEM32	PL10 14x12	SR55 M6x16	SRB32-M16	SR55 M16x40

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

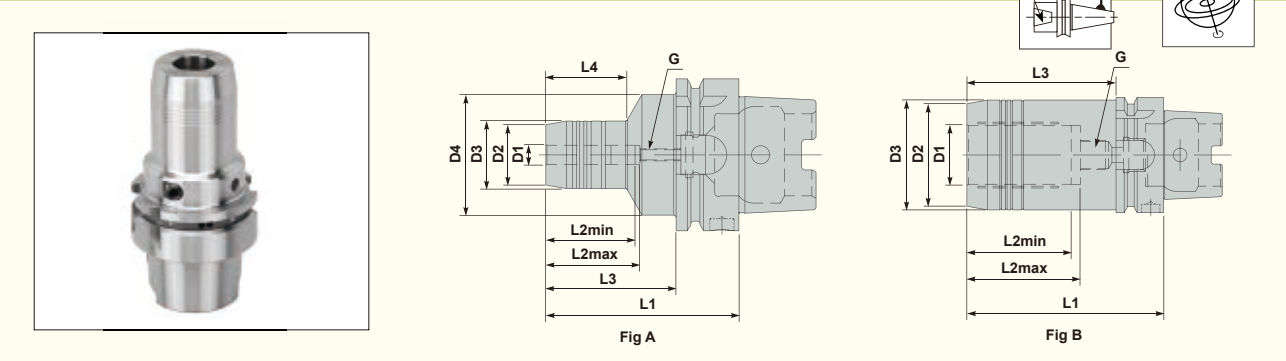
● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

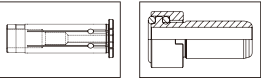
HSK-A

液压刀柄
Hydraulic Chuck Adaptor



规格型号 Designation	D1	D2	D3	D4	L1	L2max	L2min	L3	L4	G	Fig	在库 Stock
HSK A63 HYDRO 20x150	20	38	42	50	150	52	42	124	108	M12×1.0	FigA	◉
HSK A63 HYDRO 20x200	20	38	42	50	200	52	42	174	158	M12×1.0	FigA	◉
HSK A63 HYDRO 25x120	25	46	50	-	120	58	48	94	-	M16×1.0	FigB	◉
HSK A63 HYDRO 25x150	25	46	50	-	150	58	48	124	-	M16×1.0	FigB	◉
HSK A63 HYDRO 25x200	25	46	50	-	200	58	48	174	-	M16×1.0	FigB	◉
HSK A63 HYDRO 32x125	32	56	60	53	125	62	52	99	83	M16×1.0	FigA	◉
HSK A100 HYDRO 6x85	6	23	26	50	85	37	27	56	29	M5	FigA	◉
HSK A100 HYDRO 6x150	6	23	26	50	150	37	27	121	100	M5	FigA	◉
HSK A100 HYDRO 6x200	6	23	26	63	200	37	27	171	144	M5	FigA	◉
HSK A100 HYDRO 8x85	8	25	28	50	85	37	27	56	29	M6	FigA	◉
HSK A100 HYDRO 8x200	8	25	28	63	200	37	27	171	144.5	M6	FigA	◉
HSK A100 HYDRO 10x90	10	27	30	50	90	42	32	61	35	M8×1.0	FigA	◉
HSK A100 HYDRO 10x150	10	27	30	63	150	42	32	121	95	M8×1.0	FigA	◉
HSK A100 HYDRO 10x200	10	27	30	50	200	42	32	171	151	M8×1.0	FigA	◉
HSK A100 HYDRO 12x95	12	29	32	50	95	47	37	66	40	M10×1.0	FigA	◉
HSK A100 HYDRO 12x150	12	29	32	63	150	47	37	121	95.5	M10×1.0	FigA	◉
HSK A100 HYDRO 12x200	12	29	32	63	200	47	37	171	145.5	M10×1.0	FigA	◉
HSK A100 HYDRO 14x95	14	30	34	63	95	47	37	66	42	M10×1.0	FigA	◉
HSK A100 HYDRO 14x150	14	30	34	50	150	47	37	121	97	M10×1.0	FigA	◉
HSK A100 HYDRO 14x200	14	30	34	50	200	47	37	171	147	M10×1.0	FigA	◉
HSK A100 HYDRO 16x150	16	34	38	63	150	52	42	121	97.5	M12×1.0	FigA	◉
HSK A100 HYDRO 16x200	16	34	38	63	200	52	42	171	147.5	M12×1.0	FigA	◉
HSK A100 HYDRO 18x200	18	36	40	63	200	52	42	171	148	M12×1.0	FigA	◉
HSK A100 HYDRO 20x150	20	38	42	63	150	52	42	121	99	M12×1.0	FigA	◉
HSK A100 HYDRO 20x200	20	38	42	63	200	52	42	171	149	M12×1.0	FigA	◉
HSK A100 HYDRO 25x200	25	46	50	63	200	58	48	171	136	M16×1.0	FigA	◉
HSK A100 HYDRO 32x150	32	56	60	-	150	62	52	121	-	M16×1.0	FigB	◉
HSK A100 HYDRO 32x200	32	56	60	-	200	62	52	171	-	M16×1.0	FigB	◉

- 在 2.5 x D 处回转精度 < 0.003 mm
- 转速为 25,000 RPM 时动平衡等级达到 G2.5 或 Umax < 1g mm
- 用于自动换刀
- 使用减径套可夹持更多直径尺寸
- 订货示例：1 件 HSK A63 HYDRO 10x85
- Run-out accuracy < 0.003 mm at 2.5 x D
- Balancing grade G2.5 at 25,000 RPM or Umax < 1g mm
- For automatic tool change
- Additional shank diameters can be clamped using intermediatesleeves
- Ordering sample: 1 PC HSK A63 HYDRO 10x85

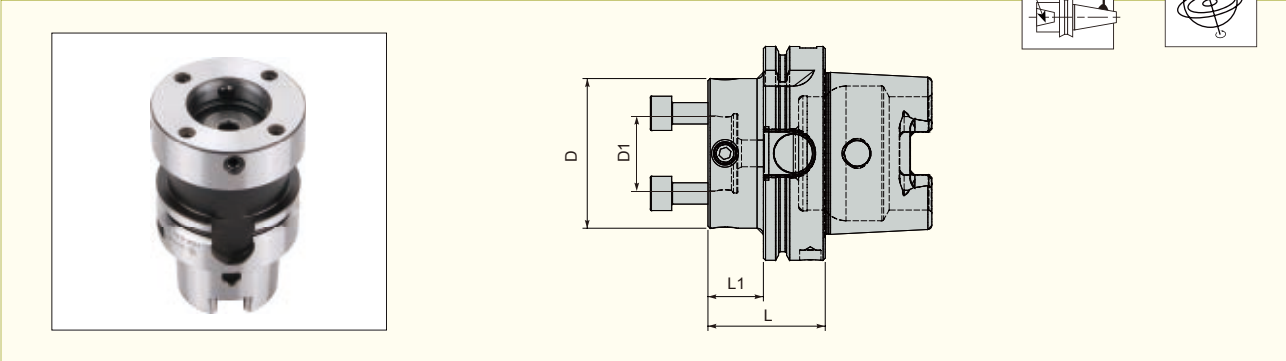


G15 G21

- 标准库存
Item in stock
- 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

HSK-A

可调刀柄
Adjustable Chuck

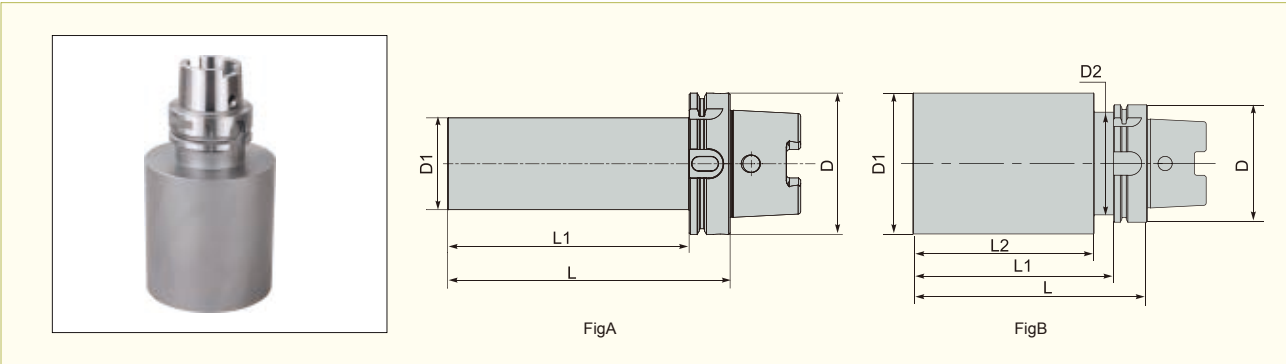


规格型号 Designation	ISO	D	D1	L	L1	kg	在库 Stock
HSK A63 SL70x60	63	70	35	60	34	1.24	◉
HSK A100 SL70x55	100	70	35	55	26	2.63	◉

- 适配接杆需单独订购，请参照：D54-D56 页
- 刀柄配件，请参照：D20 页
- 订货示例：1 件 HSK A63 SL70x60
- Extension should be ordered separately, please see page D54-D56.
- Spare parts, please see page D20.
- Ordering sample: 1 PC HSK A63 SL70x60

DIN 69893 HSK A 型半成品刀柄

DIN 69893 HSK A Semifinished Adaptor



规格型号 Designation	D	D1	D2	L	L1	L2	Fig	kg	在库 Stock
HSK A63 B 64x250	63	64	52.5	250	224	207.5	B	7	◉
HSK A63 B 80x200	63	80	52.5	200	174	157.5	B	7	◉
HSK A63 B 100x300	63	100	52.5	300	274	257.5	B	7.4	◉
HSK A63 B 130x150	63	130	52.5	150	124	107.5	B	10.42	◉
HSK A63 B 150x170	63	150	52.5	170	144	127.5	B	10.42	◉
HSK A100 B 65x200	100	65	-	200	171	-	A	6.32	◉
HSK A100 B 80x200	100	80	-	200	171	-	A	8.57	◉
HSK A100 B 104x250	100	104	87.5	250	221	205	B	12.06	◉
HSK A100 B 145x200	100	145	87.5	200	171	155	B	11.81	◉
HSK A100 B 100x300	100	100	87.5	300	271	255	B	18.1	◉

- 柄材质：合金钢 柄部硬度 46-50HRC 头部硬度 36-40HRC
- 柄部接口内具有连接冷却液套管的螺纹接口
- Material: alloy steel, hardness 46-50HRC
- The shank connector has a threaded connection to the coolant casing pipe

- 标准库存
Item in stock
- 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)
- 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

MODULAR EXTENSIONS FOR ADAPTORS

模块式刀柄接杆



D 刀柄系统 ADAPTORS

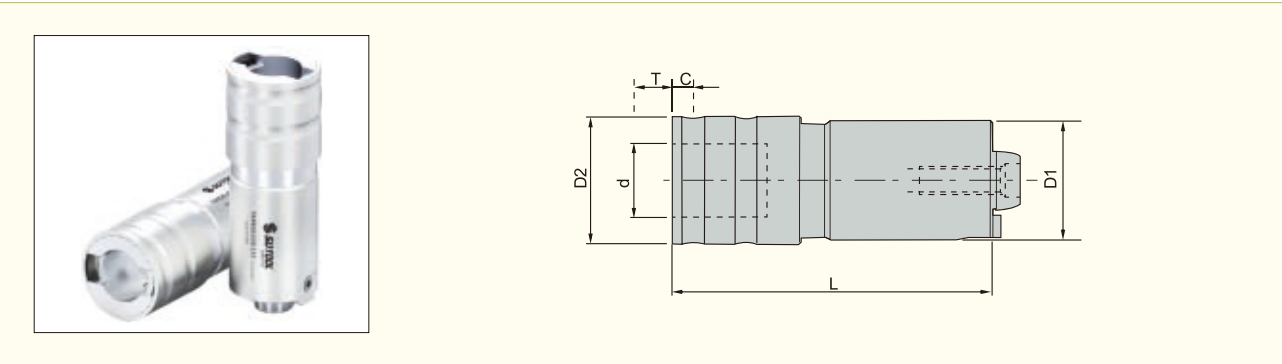
模块式刀柄接杆 Modular Extensions for Adaptors

攻丝刀柄接杆	D53
Extension for Tapping Chuck Adaptor	
液压刀柄接杆	D54
Extension for Hydraulic Chuck Adaptor	
ER 刀柄接杆	D55
Extension for ER Collet Chuck Adaptor	
热缩刀柄接杆	D56
Extension for Shrink Fit Adaptor	

MODULAR EXTENSIONS FOR ADAPTORS 模块式刀柄接杆

攻丝刀柄接杆

Extension for Tapping Chuck Adaptor



规格型号 Designation	D1	d	D2	L	长度补偿 Length compensation		攻丝范围 Tap	Kg	在庫 Stock
					T	C			
TAP412.E40.110	40	19	36	110	9	5	M4-M12	0.7	○
TAP820.E50.135	50	31	53.5	135	16	9	M8-M20	1.7	○
TAP1433.E63.180	63	48	78	180	26	15	M14-M33	4.1	○
TAP2248.E63.196	63	60	96	196	28	17	M22-M48	6.2	○

- 适配刀柄需单独订购，请参照：☞ A019-A023 页
- 订货示例：1 件 TAP412.E40.110
- 种规格的攻丝刀柄接杆均有对应的攻丝快换夹头，请参照：☞ G12 页
- The adaptor should be ordered separately, please see page A019-A023.
- Ordering sample: 1 PC TAP412.E40.110
- Multiple quick change chucks for corresponding tool holder, please see page G12

备件

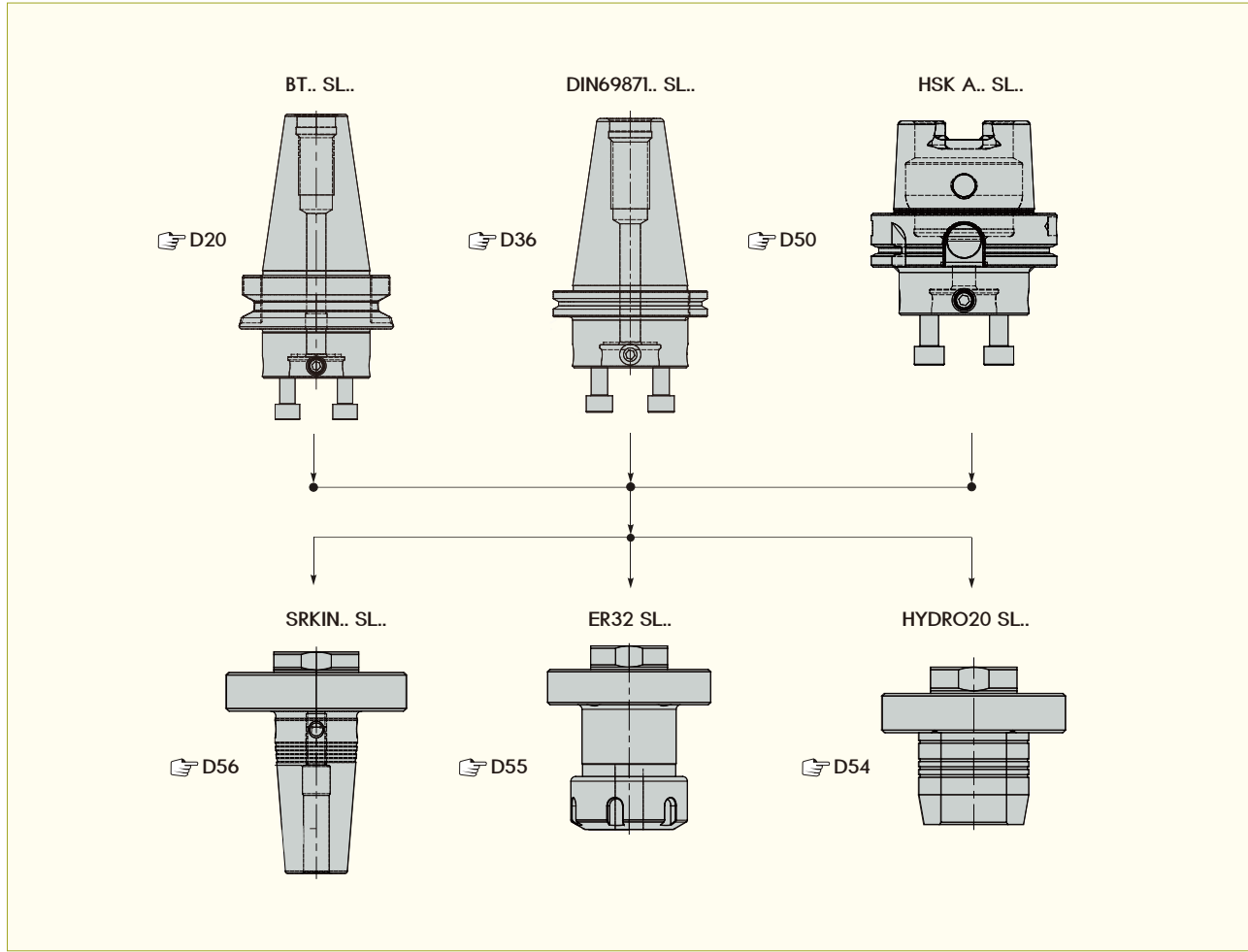
Spare Parts

D1	平键 Flat key	平键锁紧螺钉 Clamping screw for flat key	平键锁紧扳手 Allen key for clamping screw
D1=40	PL03 10x5	SR57 M4x10	KEY01 M2.5
D1=50	PL04 12x9	SR55 M5x12	KEY01 M4
D1=63	PL04 14x12	SR55 M5x12	KEY01 M4

MODULAR EXTENSIONS FOR ADAPTORS 模块式刀柄接杆

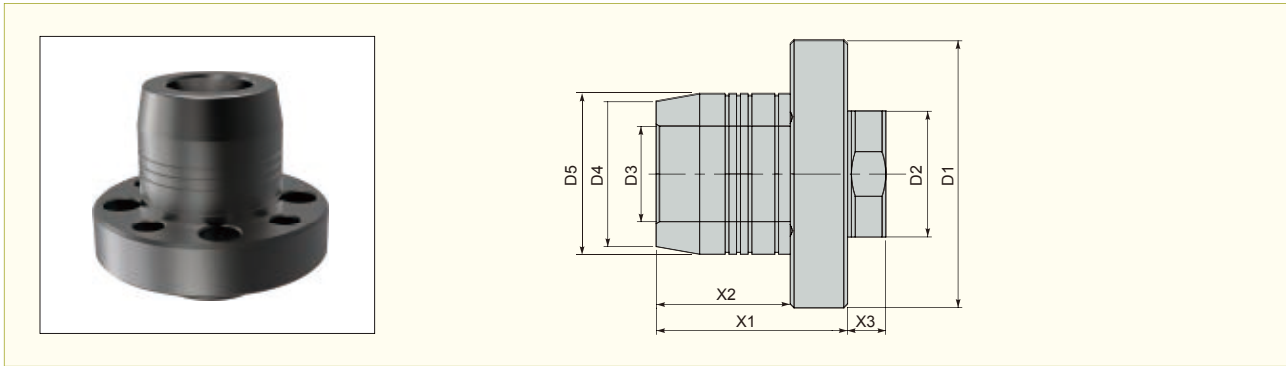
模块式刀柄接杆组合示意图

Combinational Figure



液压刀柄接杆

Extension for Hydraulic Chuck Adaptor



规格型号 Designation	D1	D2	D3	D4	D5	X1	X2	X3	在庫 Stock
HYDRO 20.SL70.50	70	35	20	38	42	50	35	10	○

- 适配刀柄需单独订购，请参照：☞ D20 页 ,D36 页 ,D50 页
- 订货示例：1 件 HYDRO 20.SL70.50
- The adaptor should be ordered separately, please see page D20,D36,D50.
- Ordering sample: 1 PC HYDRO 20.SL70.50

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

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Order on demand
(please confirm delivery time when ordering it)

● 标准库存
Item in stock

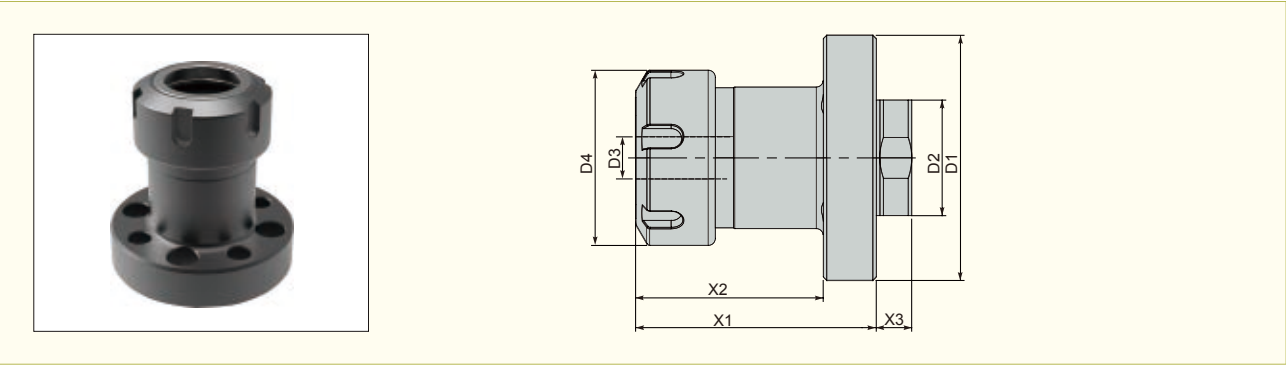
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Item of short delivery time
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○ 无库存 (订货时，请确认交货期)
Order on demand
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MODULAR EXTENSIONS FOR ADAPTORS 模块式刀柄接杆

ER 刀柄接杆

Extension for ER Collet Chuck Adaptor

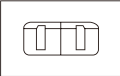


规格型号 Designation	D1	D2	D3	D4	X1	X2	X3	在庫 Stock
ER32.SL70.75	70	35	2-20	50	75	53	10	○

- 适配刀柄需单独订购，请参照：☞ D20 页 ,D36 页 ,D50 页
- 订货示例：1 件 ER32.SL70.75
- The adaptor should be ordered separately, please see page D20,D36,D50.
- Ordering sample: 1 PC ER32.SL70.75



G3-G9



G10

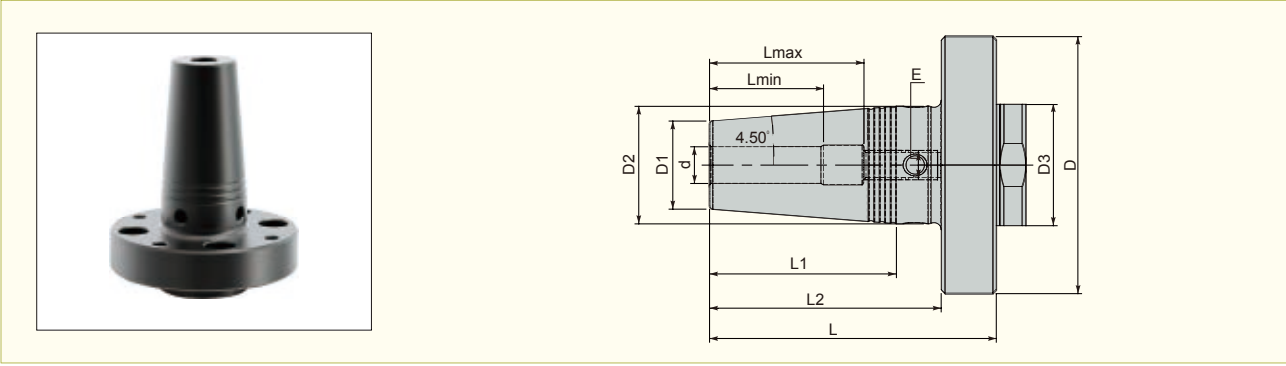


G29

MODULAR EXTENSIONS FOR ADAPTORS 模块式刀柄接杆

热缩刀柄接杆

Extension for Shrink Fit Adaptor



规格型号 Designation	d	D	D1	D2	D3	L1	L2	L	Lmin	Lmax	E	Kg	在庫 Stock
SRKIN6.SL70.80	6	70	21	27.0	35	38.0	65	80	25	36	M5	0.7	○
SRKIN8.SL70.80	8	70	21	27.0	35	38.0	65	80	25	36	M6	0.7	○
SRKIN10.SL70.80	10	70	24	32.0	35	51.0	65	80	31	42	M8	0.8	○
SRKIN12.SL70.80	12	70	24	32.0	35	51.0	65	80	36	47	M8	0.8	○
SRKIN14.SL70.80	14	70	27	34.0	35	45.0	65	80	36	47	M10	0.9	○

- 适配刀柄需单独订购，请参照：☞ D20 页 ,D36 页 ,D50 页
- 订货示例：1 件 SRKIN6.SL70.80
- The adaptor should be ordered separately, please see page D20,D36,D50.
- Ordering sample: 1 PC SRKIN6.SL70.80

备件

Spare Parts

E	锁紧螺钉 Clamping screw	锁紧扳手 Allen key for clamping screw
M5	SR50 M5x20.BC	KEY01 M2.5
M6	SR50 M6x20.BC	KEY01 M3
M8	SR50 M8x20.BC	KEY01 M4
M10	SR50 M10x18.BC	KEY01 M5
M12	SR50 M12x18.BC	KEY01 M6
M16	SR50 M16x20.BC	KEY01 M8

● 标准库存
Item in stock

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Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

● 标准库存
Item in stock

● 半标准库存 (订货时，请确认交货期)
Item of short delivery time
(please confirm delivery time when ordering it)

○ 无库存 (订货时，请确认交货期)
Order on demand
(please confirm delivery time when ordering it)

TECHNICAL INFORMATION

技术资料



D

刀柄系统 ADAPTORS

技术资料 Technical Information

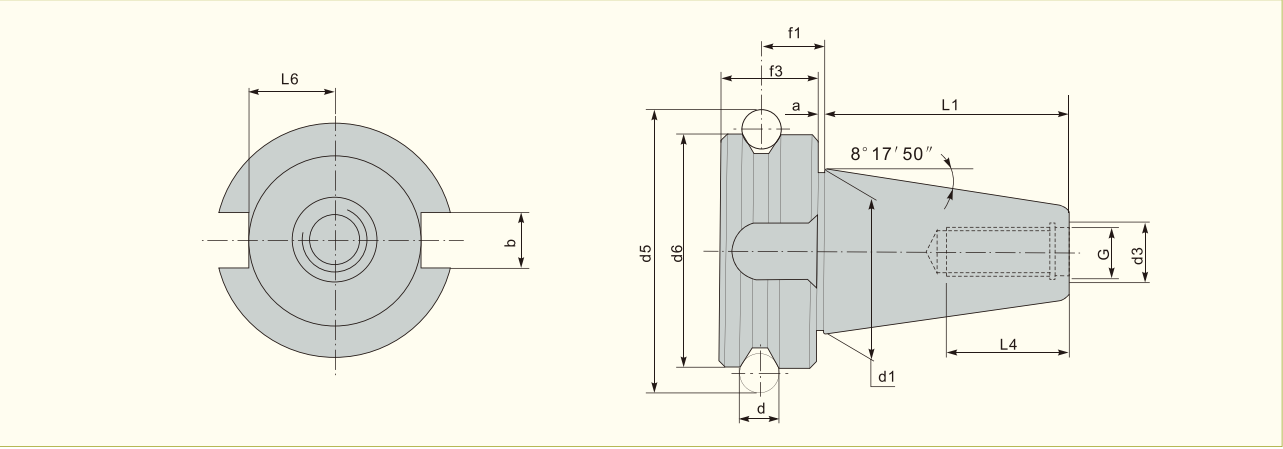
BT MAS403 锥柄标准	D59
BT MAS403 Taper-shank Standard	
DIN69871 锥柄标准	D60
DIN69871 Taper-shank Standard	
HSK 锥柄标准	D61
HSK Taper-shank Standard	
其它技术资料	D63
Additional Technical Information	
换算表	D69
Conversion Table	
螺纹攻牙钻孔径对照表	D72
Thread Tapping Hole Diameter Comparison Table	

TECHNICAL INFORMATION 技术资料

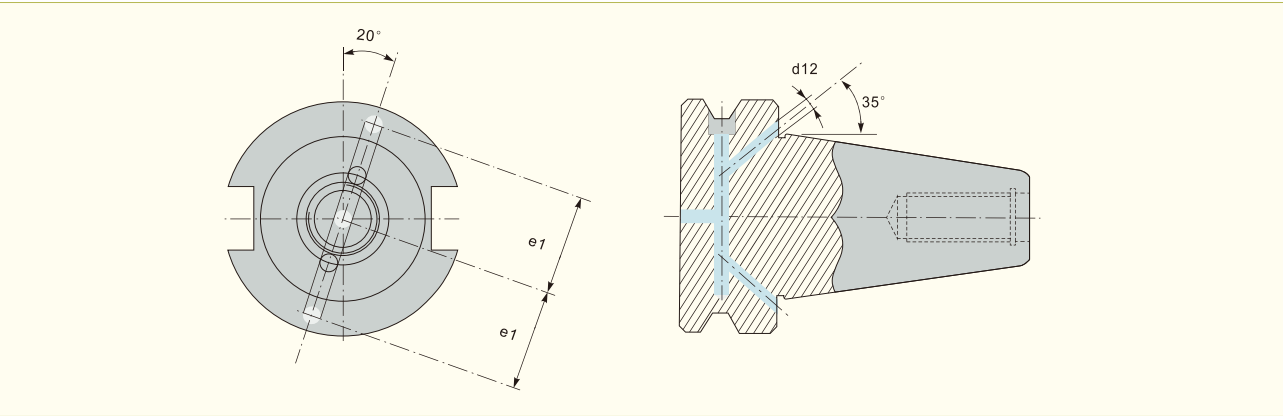
BT MAS403

BT MAS403 锥柄标准
BT MAS403 Taper-shank Standard

BT MAS403-A 型 /TypeA



BT MAS403-B 型 /TypeB



规格型号 Designation	a	b(H12)	d	d1	G	d3(H8)	d5	d6(h8)	f1±0.1
BT 30	2	16.19	8	31.75	M12	12.5	56.12	46	13.6
BT 40	2	16.2	10	44.45	M16	17	75.656	63	16.6
BT 50	3	25.8	15	69.85	M24	25	118.99	100	23.2

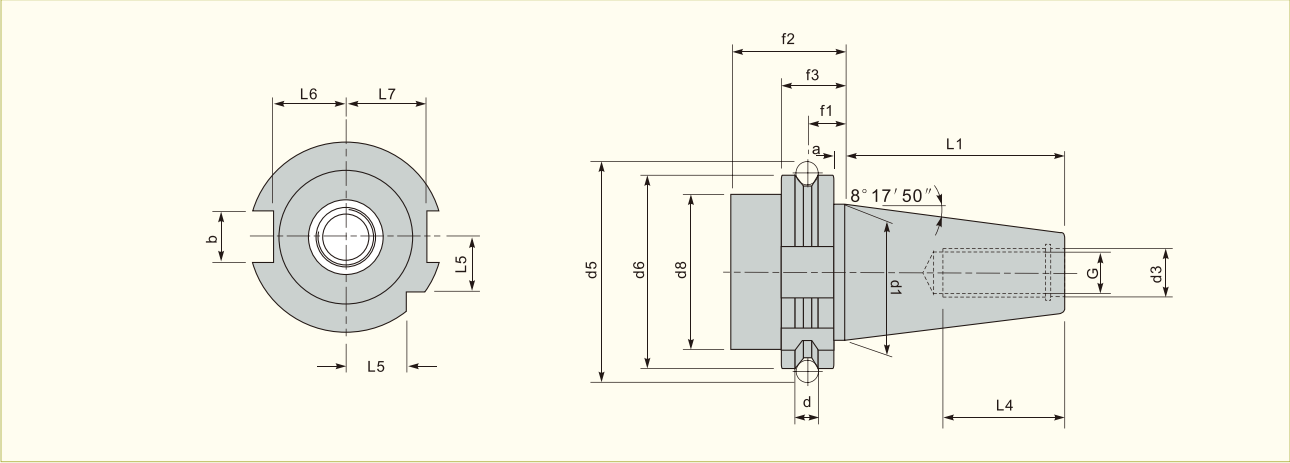
规格型号 Designation	f3	L1±0.2	L4min	L6±0.2	e1±0.1	d12	TAPER AT3
BT 30	20	48.4	24	16.3	16.2	4	0.002
BT 40	25	65.4	30	22.6	22.5	4	0.003
BT 50	35	101.8	45	35.4	35.3	6	0.004

TECHNICAL INFORMATION 技术资料

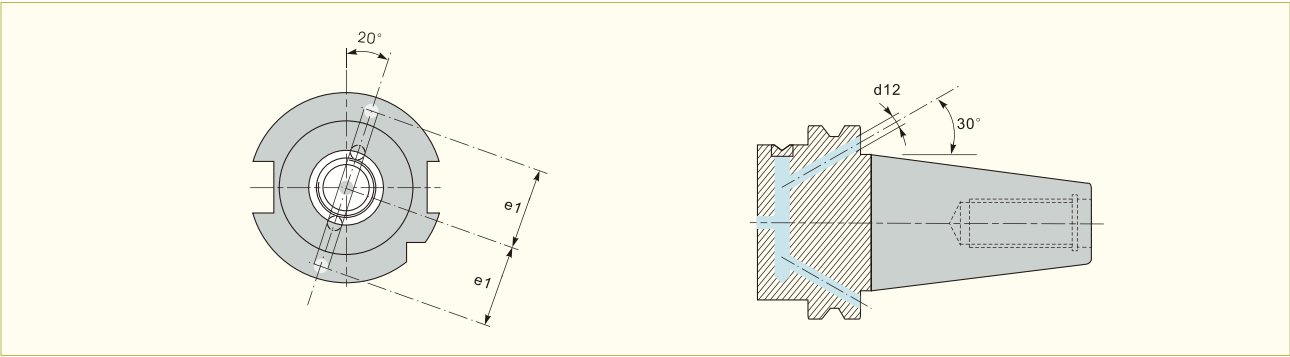
DIN69871-A

DIN69871 锥柄标准
DIN69871 Taper-shank Standard

DIN69871-A 型 /TypeA



DIN69871-B 型 /TypeB



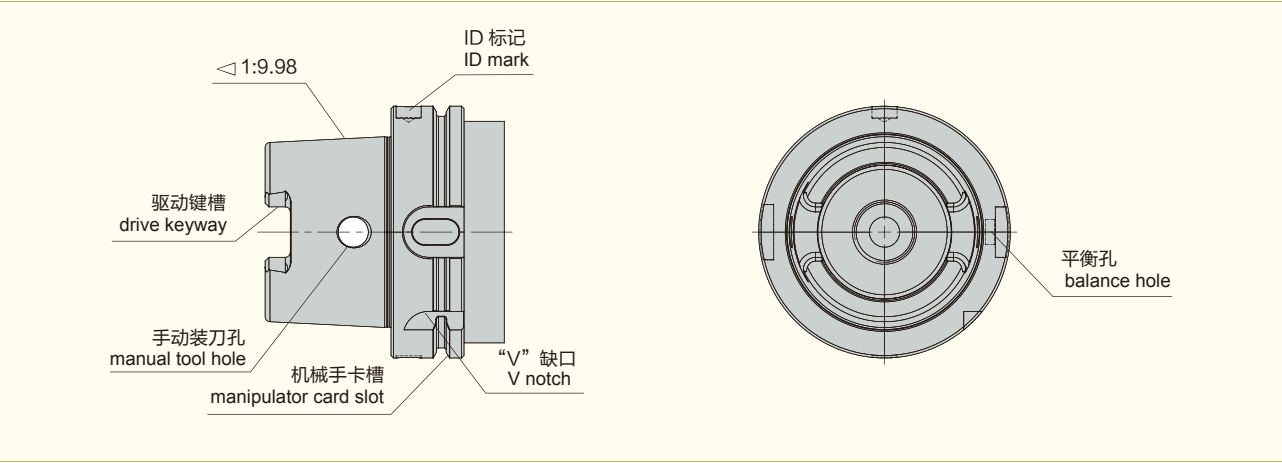
规格型号 Designation	a±0.1	b(H12)	d	d1	G	d3(H7)	d5±0.05	d6	d8max	f1±0.1
DIN69871 30	3.2	16.1	7	31.75	M12	13	59.3	50	45	11.1
DIN69871 40	3.2	16.1	7	44.45	M16	17	72.3	63.55	50	11.1
DIN69871 50	3.2	25.7	7	69.85	M24	25	107.25	97.5	80	11.1

规格型号 Designation	f2min	f3-0.1	L1-0.3	L4min	L5-0.3	L6-0.4	L7-0.4	e1±0.1	d12	TAPER AT3
DIN69871 30	35	19.1	47.8	24	15	16.4	19	21	4	0.002
DIN69871 40	35	19.1	68.4	32	18.5	22.8	25	27	4	0.003
DIN69871 50	35	19.1	101.75	48	30	35.5	37.7	42	6	0.004

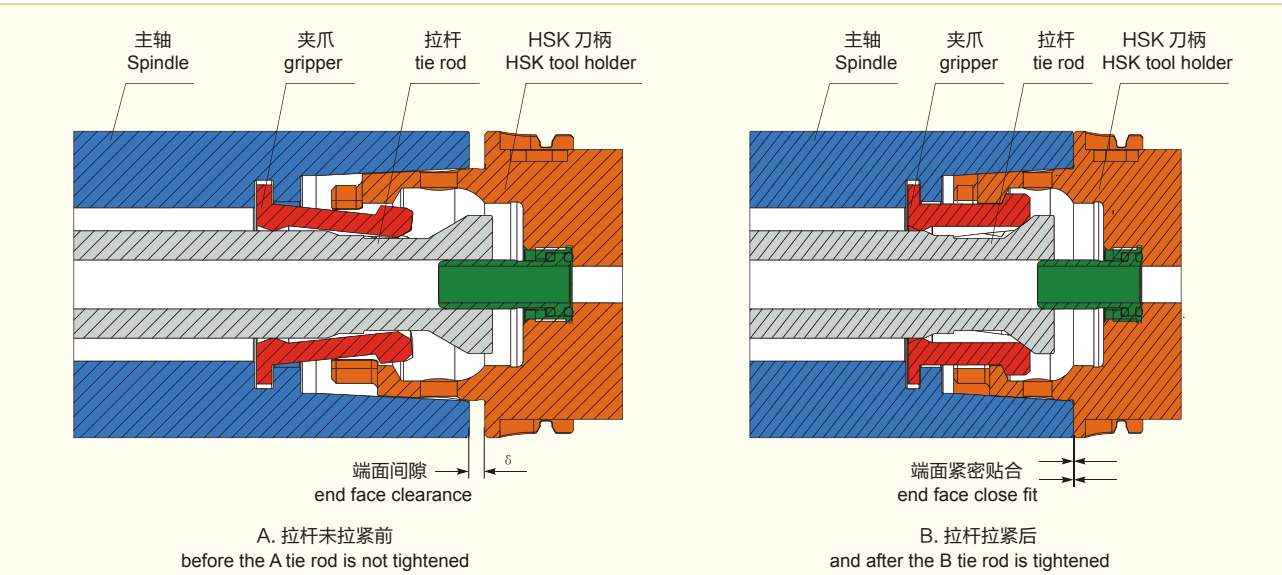
TECHNICAL INFORMATION 技术资料

HSK-A

HSK 短锥刀柄特征说明
the feature of HSK short taper



HSK 短锥刀柄工作原理
Working principle of HSK short taper

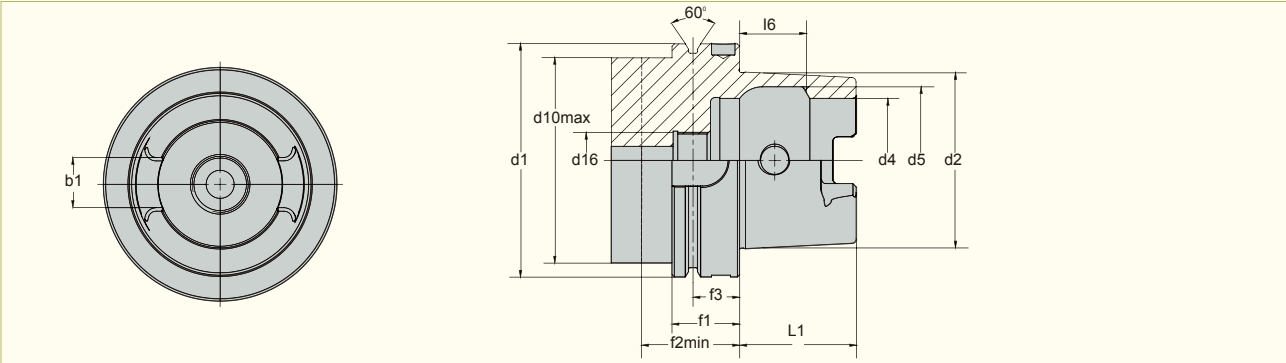


HSK 刀柄的空心锥柄与主轴孔完全接触时，HSK 刀柄端面与主轴端面有约 0.1mm 间隙（图示 A）
在夹紧机构作用下，拉杆向左移动，夹爪胀开，夹爪外锥面顶在空心锥柄 30° 锥面上，拉动 HSK 刀柄向左移动，空心锥柄产生变形，刀柄端面与主轴端面靠紧，实现了刀柄与主轴锥面和端面两面同时定位和夹紧（图示 B）
When the hollow taper shank of the HSK tool holder is in full contact with the spindle hole, there is a gap of about 0.1mm between the end face of the HSK tool holder and the spindle end (Figure A)
Under the action of the clamping mechanism, the pull rod moves to the left, the clamping jaw expands, and the outer cone of the clamping jaw is on the 30° cone surface of the hollow taper shank, pulling the HSK tool holder to move to the left, and the hollow taper shank is deformed. The end face of the tool holder is close to the end face of the spindle, which realizes the simultaneous positioning and clamping of the tool holder, the tapered surface and the end face of the spindle (Figure B)

TECHNICAL INFORMATION 技术资料

HSK-A

HSK-A 锥柄标准 (DIN 69893)
Standard



HSK-A	d1 (h10)	d2	d4 (H10)	d5 (H11)	d10 max	d16
50	50	38.009	26	32	42	M16x1
63	63	48.010	34	40	53	M18x1.0
80	80	60.012	42	50	68	M20x1.5
100	100	75.013	53	63	88	M24x1.5

HSK-A	L1-0.2	I6 (Js10)	b1±0.04	f1-0.1	f2 min	f3 ±0.1
50	25	14.13	10.54	26	42	18
63	32	18.13	12.54	26	42	18
80	40	22.85	16.04	26	42	18
100	50	28.56	20.02	29	45	20

TECHNICAL INFORMATION 技术资料

BBT 刀柄

BBT Adaptor

双面接触刀柄，与普通 BT 刀柄可互换，刚性、定位精度大幅度提高，根据客户需求非标订制。
With the structure of two sides, including the end face of spindle contacted. Also it can be replaced by standard BT adaptor but with higher rigidity and accuracy. Special ones can be made as customers' requirements as well.

特点 Features

- 1、增大定位基准，增强刚性。

2、提高加工尺寸稳定性。

3、提高轴向定位精度。

4、可有效控制刀具振动。

5、刀具寿命延长。

6、高速运转时更安全。
1. Higher rigidity and location datumt

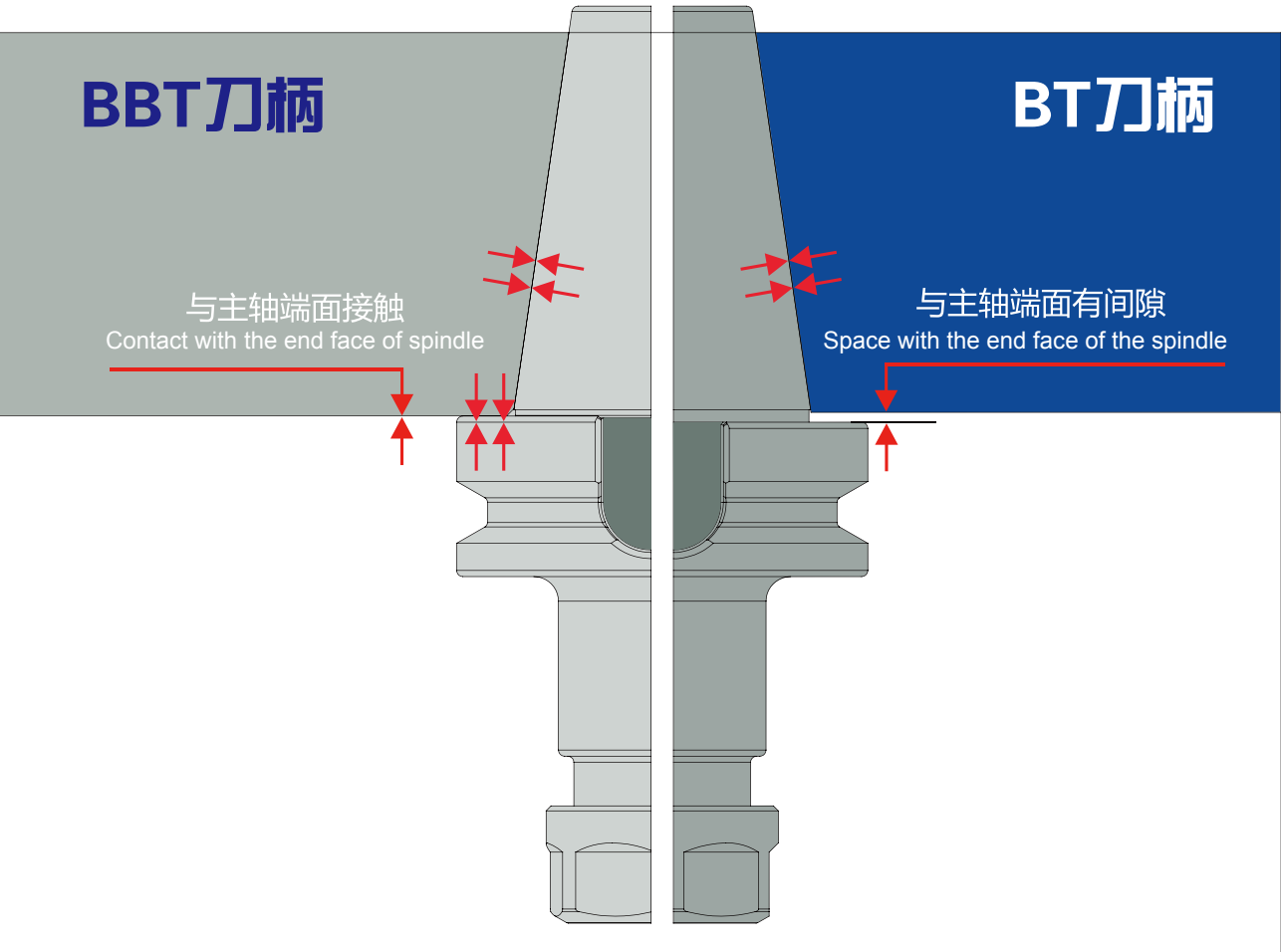
2. Higher stability

3. Higher accuracy of axia I direction

4. Reduce the vibration situation

5. Longer tool life

6. Much safer when with high speed condition



TECHNICAL INFORMATION 技术资料

刀柄及刀具的长度选择

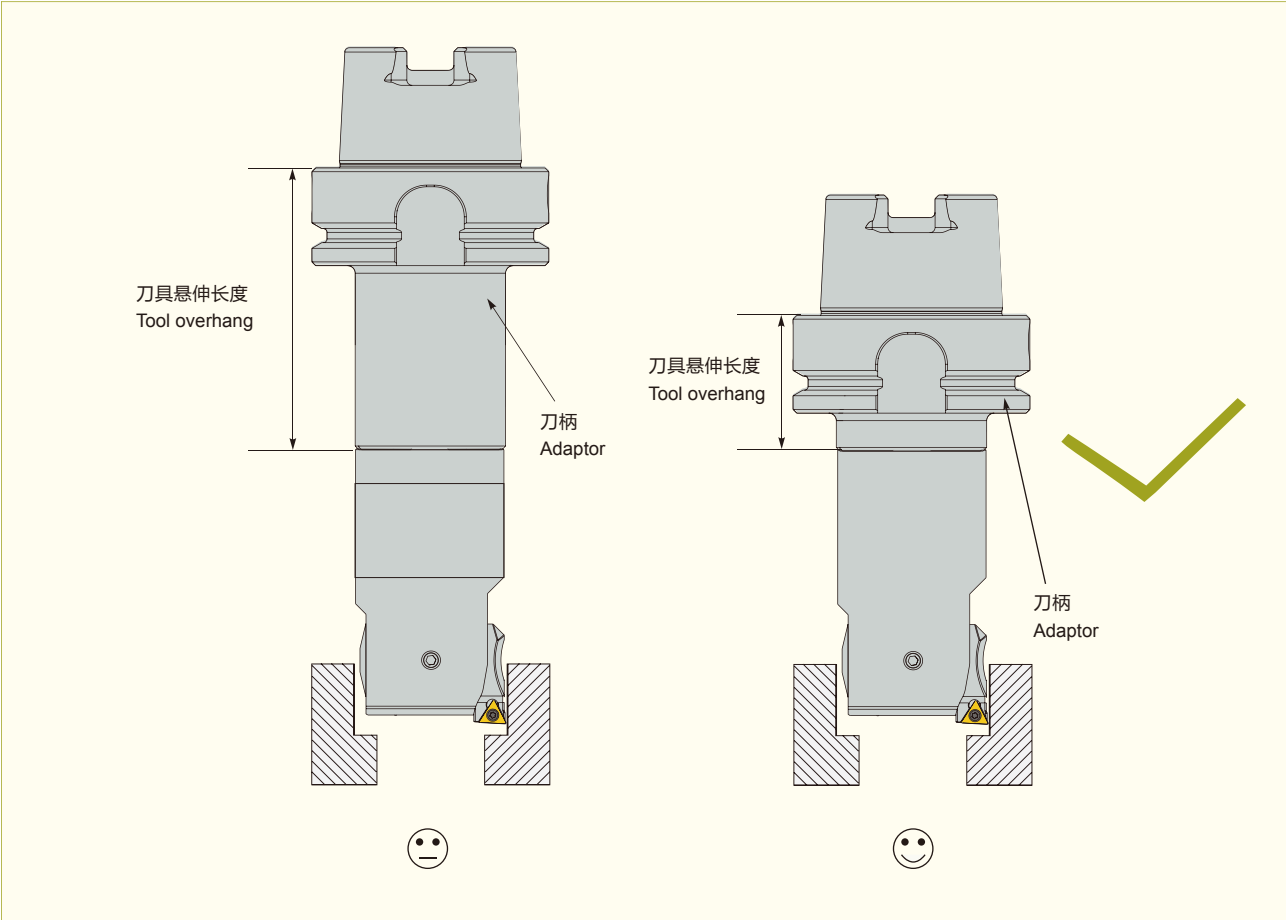
Selection for the Tool Length

刀柄及刀具通常为了达到最好的使用刚性，选择短系列产品通常是最好的。
但是深孔 / 深腔的加工中往往需要长刀柄或减振刀具，在这时降低主轴转速，进给，切深可以减小切削过程中所产生的振动。

注意：优先使用短系列产品

For better rigidity, we suggest selecting the shorter ones. But for the deep hole machining, tools with longer overhang needed. On the other hand, lower down the spindle speed, feed, and cutting depth that will good for the anti-vibration.

Note: tools with shorter length priority



刀柄存放

Storage

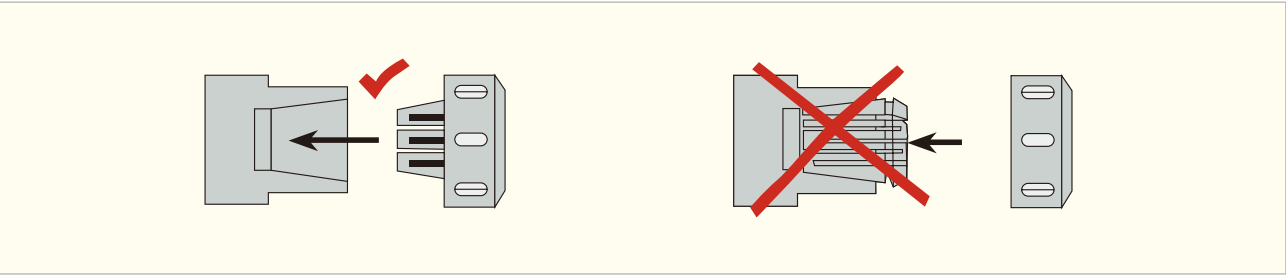
刀柄需存放在干燥的环境中，长期保存时，锥柄及工作部位需涂抹防锈油。
Adaptors should be kept in a dry, and spread on anti-rush oil if they will be stored for a long time.

TECHNICAL INFORMATION 技术资料

弹簧夹头的安装

Instruction for ER Collet

在安装弹簧夹头之前，必须先将 ER 卡簧装入螺母之中，如图所示
为了获得最好的性能，在安装弹簧夹头之前，必须将 ER 卡簧，ER 螺母螺纹部分及定位面、夹套锥面清理干净！
Always assemble ER collet into the nut before mounting onto the collet chuck.
For maximum performance, the ER collet, ER nut, thread and collet taper must be cleaned before mounting onto the collet chuck!



ER 夹紧螺母推荐使用扭矩：

Recommended Torque for ER Nut Clamping

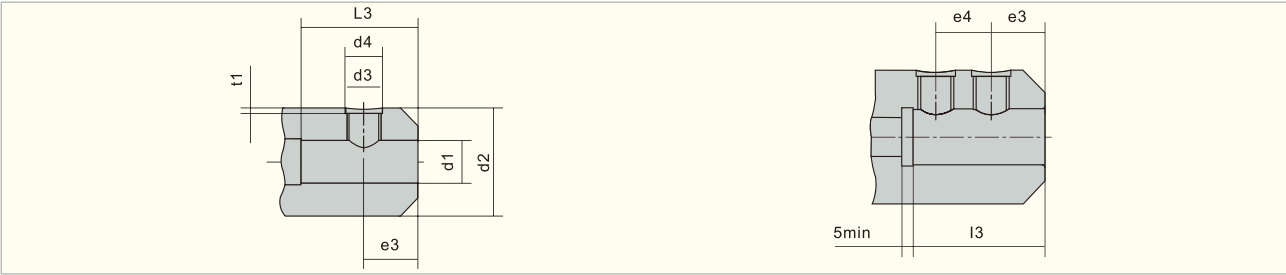
规格型号 Designation	ER11-M	ER11	ER16-M	ER16	ER20-M	ER20	ER25	ER32	ER40
扭矩 (Kgf•M)	3	5	4	7	8	12	20	22	25

- 表中扭矩是以 ER 卡簧夹持最大直径能力计算的，当使用较小尺寸的刀柄时，其扭矩应该适当减少。
- The torque in the above table is calculated with the maximum diameter capacity per collet which should be gradually reduced when used with a smaller shank size

TECHNICAL INFORMATION 技术资料

侧固刀柄接口尺寸

Dimensions of Weldon Adaptor

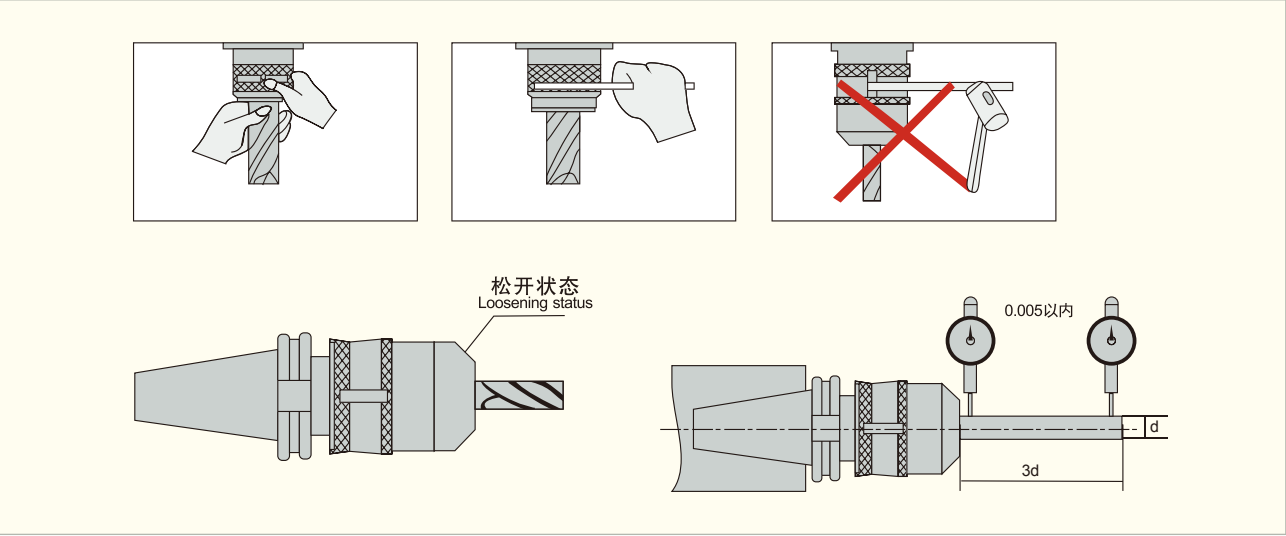


d1 (H5)	d2 (0-1)	d3 (6H)	d4 min	e3 (0/0.1)	e4 (±0.5)	l3 (±1)	t1
6	25	M6	8	18.0	-	35	1.0
8	28	M8	10	18.0	-	35	1.3
10	35	M10	12	20.0	-	39	1.5
12	42	M12	14	22.5	-	44	1.6
14	44	M12	14	22.5	-	44	1.6
16	48	M14	16	24.0	-	47	1.7
18	50	M14	16	24.0	-	47	1.7
20	52	M16	18	25.0	-	49	2.1
25	65	M18×2	20	24.0	25	54	2.1
32	72	M20×2	22	24.0	28	58	2.2
40	90	M24	26	30.0	32	68	2.2

强力铣夹头刀柄的特点

Features of Power Chuck

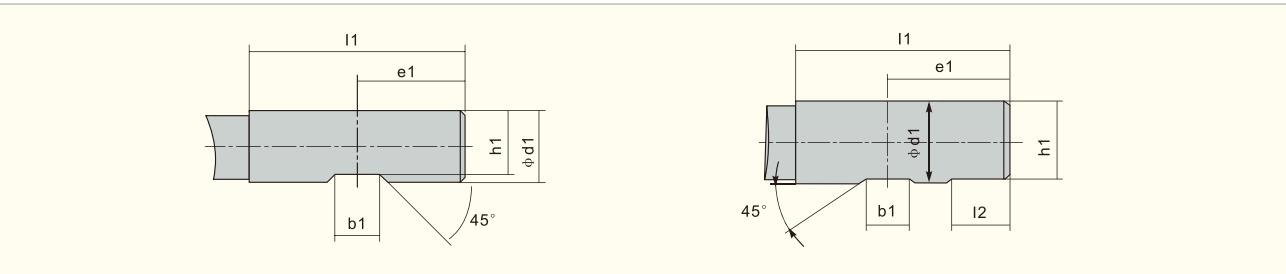
夹紧力最大，使用简单—夹紧安全可靠
The most powerful gripping force and simple operation which is for the safe and reliable clamping



- 精度高，寿命长—更有利于保护刀具，延长刀具寿命
- 刚性高—适于大切削量加工
- 优良的耐久性—压力分散于保持架的滚针上
- Higher precision and longer tool life which is for protecting the tool and
- Higher rigidity which is suitable for large cutting amount machining
- Superior durability due to the reason that the pressure can be afforded by the needle roller

侧固刀柄接口尺寸 (DIN 1835-B)

Dimensions of DIN1835-B Weldon Adaptor

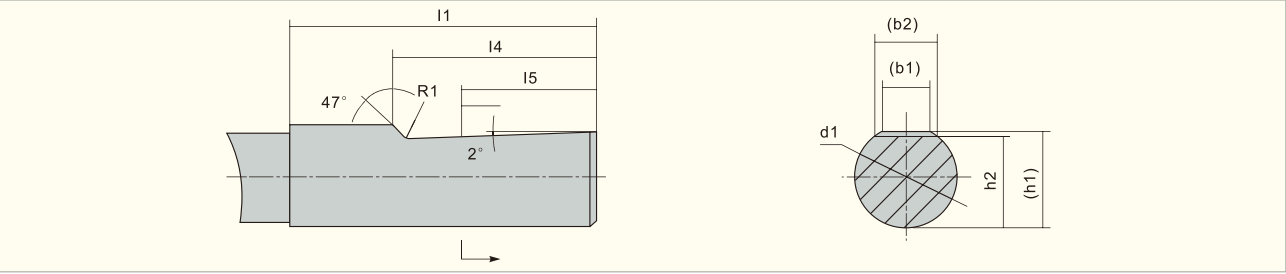


d1 (h6)	l1 (^{+0.05} / ₀)	b1 (^{+0.05} / ₀)	l2 (⁺¹ / ₀)	e1 (_{-0.1})	h1 (h11)
6	36	4.2	-	18.0	5.1
8	36	5.5	-	18.0	6.9
10	40	7.0	-	20.0	8.5
12	45	8.0	-	22.5	10.4
14	45	8.0	-	22.5	12.7
16	48	10.0	-	24.0	14.2
18	48	10.0	-	24.0	16.2
20	50	11.0	-	25.0	18.2
25	56	12.0	17	32.0	23.0
32	60	14.0	19	35.0	30.0

TECHNICAL INFORMATION 技术资料

2° 削平柄尺寸 (DIN 1835-E)

2° Dimension of flattened shank(DIN1835-E)

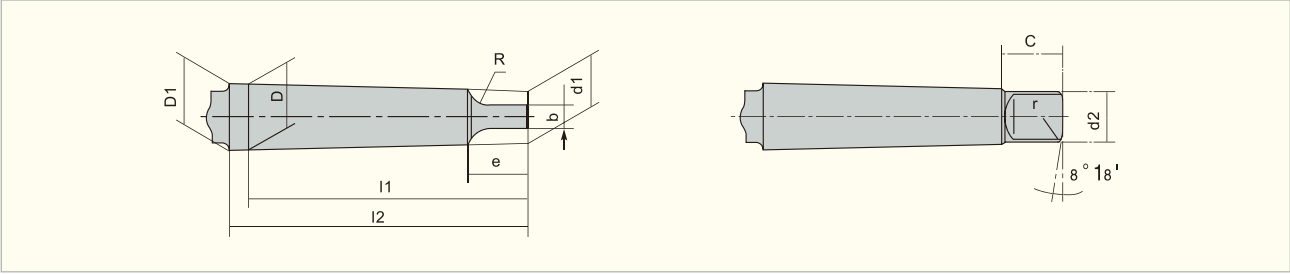


d1 (h6)	(b1)≈	(b2)	(h1)	h2 (h13)	l1 (¹ / ₂)	l4 (¹ / ₃)	l5	R1 min
6	3.5	4.8	5.4	4.8	36	25	18	1.2
8	4.7	6.1	7.2	6.6	36	25	18	1.2
10	5.7	7.3	9.1	8.4	40	28	20	1.2
12	6.0	8.2	11.2	10.4	45	33	22.5	1.2
16	7.6	10.1	15.0	14.2	48	36	24	1.6
20	8.4	11.5	19.1	18.2	50	38	25	1.6
25	9.3	13.6	24.1	23.0	56	44	32	1.6
32	9.9	15.5	31.2	30	60	48	35	1.6

TECHNICAL INFORMATION 技术资料

有扁尾莫氏锥柄 (DIN 1838-B)

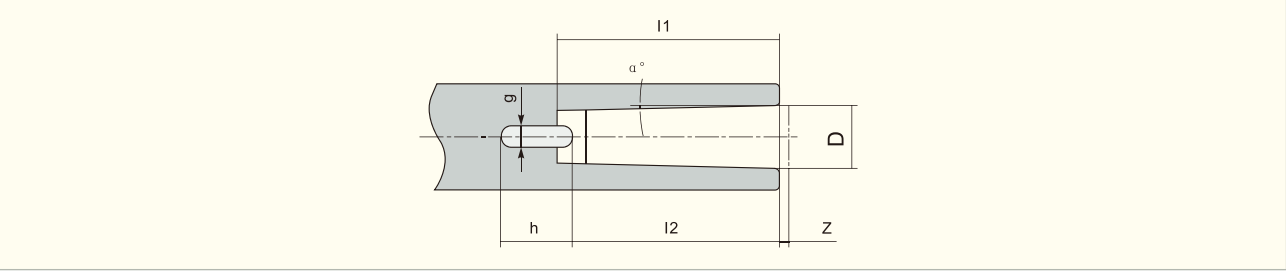
Morse taper with tang (DIN1838-B)



锥度号 Taper	D	D1	d1	d2	l1	l2	b	c	e	R	r	对应铣刀直径范围 (mm) Dia. of milling cutter
MT0	9.045	9.201	6.104	6	56.5	59.5	3.9	6.5	10.5	4	1	-
MT1	12.065	12.240	8.972	8.7	62.0	65.5	5.2	8.5	13.5	5	1.2	3.00-14.00
MT2	17.780	18.030	14.034	13.5	75.0	80.0	6.3	10.0	16.0	6	1.6	14.00-23.00
MT3	23.825	24.076	19.107	18.5	94.0	99.0	7.9	13.0	20.0	7	2	23.00-32.00
MT4	31.267	31.605	25.164	24.5	117.5	124.0	11.9	16.0	24.0	8	2.5	32.00-50.00
MT5	44.399	44.741	36.531	35.7	149.5	156.0	15.9	19.0	29.0	12	3	50.00-75.00
MT6	63.348	63.765	52.399	51.0	210.0	218.0	19.0	27.0	40.0	18	4	75.00-100.00
MT7	83.058	83.578	68.182	66.8	286.0	296.0	28.6	35.0	54.0	19	5	-

扁尾型莫氏锥柄连接尺寸 (DIN 228-D)

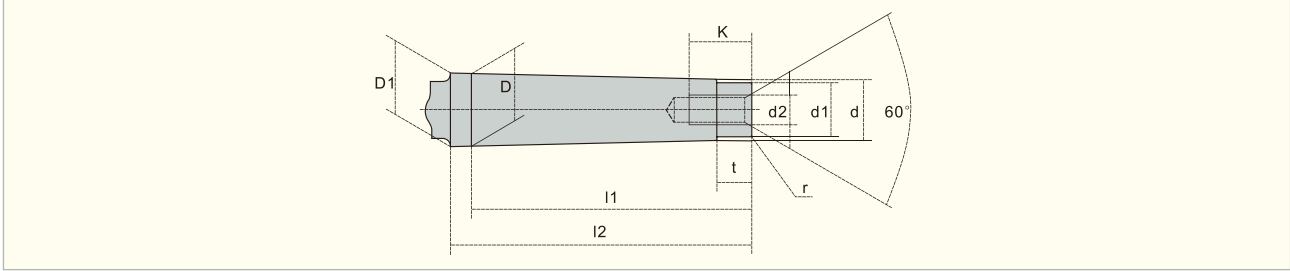
Dimensions of DIN228-D Morse Taper with Tang Adaptor



锥度号 Taper	锥度 Taper		锥角 (a°) Tngle	D	l1(min)	l2	g	h	z	对应钻头直径范围 (mm) Dia. of drill
MT0	1/19.212	0.05205	1° 29'27°	9.045	52	49	4.1	15	1	-
MT1	1/20.047	0.04988	1° 25'43°	12.065	56	52	5.4	19	1	3.00-14.00
MT2	1/20.202	0.04995	1° 25'50°	17.780	67	62	6.6	22	1	14.00-23.00
MT3	1/19.922	0.05020	1° 26'16°	23.825	84	78	8.2	27	1	23.00-32.00
MT4	1/19.254	0.05194	1° 29'15°	31.267	107	98	12.2	32	1.5	32.00-50.00
MT5	1/19.002	0.05263	1° 30'26°	44.399	135	125	16.2	38	1.5	50.00-75.00
MT6	1/19.180	0.05214	1° 29'36°	63.348	188	177	19.3	47	2	75.00-100.00
MT7	1/19.231	0.05200	1° 29'22°	83.058	258	241	28.8	69	2	-

无扁尾莫氏锥柄 (DIN 228-A)

Dimensions of DIN228-A Morse Taper with Draw Thread



锥度号 Taper	D	D1	d	d1	l1	l2	t	r	d2	K	对应铣刀直径范围 (mm) Dia. of milling cutter
MT0	9.045	9.201	6.442	8	50	53	4	0.2	-	-	-
MT1	12.065	12.240	9.396	9	53.5	57	5	0.2	M6	16	6.00-12.00
MT2	17.780	18.030	14.583	14	64	69	5	0.2	M10	24	14.00-20.00
MT3	23.825	24.076	19.759	19	81	86	7	0.6	M12	24	22.00-36.00
MT4	31.267	31.605	25.943	25	102.5	109	9	1.0	M16	32	32.00-56.00
MT5	44.399	44.741	37.584	35.7	129.5	136	10	2.5	M20	40	40.00-63.00
MT6	63.348	63.765	53.859	51	182	190	16	4.0	M24	47	-
MT7	83.058	83.578	70.052	65	250	260	18.5	5.0	M33	60	-

CONVERSION TABLE 换算表

国际单位换算表

Conversion for International Units

压力

Pressure

Pa	Kpa	Mpa	bar	Kgf/cm	atm	mmH ₂ O	mmHg (Tom)
1	1×10 ⁻³	1×10 ⁻⁶	1×10 ⁻⁵	1.01972×10 ⁻⁵	9.86923×10 ⁻⁵	1.01972×10 ⁻⁵	7.50062×10 ⁻³
1×10 ³	1	1×10 ⁻³	1×10 ⁻²	1.01972×10 ⁻²	9.86923×10 ⁻²	1.01972×10 ²	7.50062
1×10 ⁵	1×10 ³	1	1×10	1.01972×10	9.86923	1.01972×10 ⁻⁵	7.50062×10 ³
1×10 ⁵	1×10 ²	1×10 ⁻¹	1	1.01972	9.86923×10 ⁻¹	1.01972×10 ⁴	7.50062×10 ²
9.80665×10 ⁴	9.80665×10	9.80665×10 ⁻²	9.80665×10 ⁻²	1	9.67841×10 ⁻¹	1×10 ⁴	7.35559×10 ²
1.01325×10 ⁵	1.01325×10 ²	1.01325×10 ⁻¹	1.01325×10 ⁻¹	1.03323	1	1.03323×10 ⁴	7.60000×10 ²
9.80665	9.80665×10 ⁻³	9.80665×10 ⁻⁶	9.80665×10 ⁻⁶	1×10 ⁻⁴	9.67841×10 ⁻⁵	1	7.35559×10 ⁻²
1.33322×10 ²	1.33322×10 ⁻¹	1.33322×10 ⁴	1.33322×10 ⁴	1.35951×10 ⁻³	1.35951×10 ⁻³	1.35951×10	1

功效、能量、热量

Efficacy,Energy,Caloric

J	Kw·h	Kgf·m	Kcal
1	2.77778×10 ⁻⁷	2.77778×10 ⁻¹	2.38889×10 ⁻⁴
3.600×10 ⁵	1	3.67098×10 ⁵	8.6000×10 ²
9.80665	2.72407×10 ⁻⁵	1	2.34270×10 ⁻³
4.18605×10 ³	1.16279×10 ⁻³	4.26858×10 ²	1

W	Kgf·m/S	PS	Kcal/h
1	1.01972×10 ⁻¹	2.77778×10 ⁻³	8.6000×10 ⁻¹
9.80665	1	1.33333×10 ⁻²	8.43371
7.355×10 ²	7.5×10	1	6.32529×10 ²
1.16279	1.18572×10 ⁻¹	1.58095×10 ⁻³	1

力

Force

N	Dyn	Kgf
1	1×10 ⁵	1.01972×10 ⁻¹
1×10 ⁻⁵	1	1.01972×10 ⁻⁶
9.80665	9.80665×10 ⁵	1

应力

Stress

Pa	Mpa (N/mm2)	Kgf/mm2	Kgf/cm2
1	1×10 ⁻⁶	1.01972×10 ⁻³	1.01972×10 ⁻⁵
1×10 ⁶	1	1.01972×10 ⁻¹	1.01972×10
9.80665×10 ⁶	9.80665	1	1×10 ²
9.80665×10 ⁴	9.80665×10 ⁻²	1×10 ⁻²	1

注：1Pa=1N/M²

CONVERSION TABLE 换算表

强度\硬度换算表

Conversion Tabla for Hardness and Tensile strength

序	洛氏硬度 Rockwell hardness	洛氏硬度 Rockwell hardness	维氏硬度 Vickers hardness	布氏硬度 Brinell hardness	布氏硬度 Brinell hardness	抗拉强度 σ bMPa Intensity of tension	抗拉强度 σ bMPa Intensity of tension	抗拉强度 σ bMPa Intensity of tension	抗拉强度 σ bMPa Intensity of tension	抗拉强度 σ bMPa Intensity of tension	抗拉强度 σ bMPa Intensity of tension	抗拉强度 σ bMPa Intensity of tension	抗拉强度 σ bMPa Intensity of tension	抗拉强度 σ bMPa Intensity of tension	抗拉强度 σ bMPa Intensity of tensionz
	HRC	HRA	HV	Hb30 D2	D102 d54 d2.5 mm	碳钢 Carbon steel	铬钢 Chrome steel	铬钒钢 Chrome-vanadium steel	铬镍钢 Chromium nickel steel	铬钼钢 Chrome molybdenum steel	铬镍钼钢 Chromium nickel molybdenum steel	铬锰硅钢 Chromansil	超强度钢 Super tough steel	不锈钢 Stainless steel	不分钢种 General steel
1	17	-	211	211	4.15	736	706	705	772	726	-	757	-	703	724
2	17.5	-	214	214	4.13	744	714	712	775	731	-	763	-	711	731
3	18	-	216	216	4.11	753	723	719	779	737	-	769	-	719	737
4	18.5	-	218	218	4.09	762	731	727	783	743	-	776	-	728	744
5	19	-	221	220	4.07	771	739	735	788	749	-	782	-	737	752
6	19.5	-	223	222	4.05	780	748	743	792	755	-	789	-	745	759
7	20	-	226	225	4.03	790	757	751	797	761	-	796	-	754	767
8	20.5	-	229	227	4.02	799	766	759	802	768	-	803	-	764	774
9	21	-	231	227	4	809	775	767	807	775	-	810	-	773	782
10	21.5	-	234	232	3.97	819	785	776	813	782	-	817	-	782	791
11	22	-	237	234	3.95	829	794	785	819	789	-	825	-	792	799
12	22.5	-	240	237	3.93	839	804	794	825	797	-	832	-	802	808
13	23	-	243	240	3.91	849	814	803	831	805	-	840	-	812	816
14	23.5	-	246	242	3.89	860	824	813	838	813	-	848	-	822	825
15	24	-	249	245	3.87	870	834	823	845	821	-	856	-	832	835
16	24.5	-	252	248	3.85	881	844	833	852	830	-	865	-	843	844
17	25	-	255	251	3.83	892	855	843	860	838	-	874	-	853	854
18	25.5	-	258	254	3.8	903	865	853	868	847	866	882	-	864	864
19	26	-	261	257	3.78	914	876	864	876	857	876	892	-	875	874
20	26.5	-	264	260	3.76	926	887	875	884	867	886	901	-	885	884
21	27	-	268	263	3.74	937	898	886	893	877	897	910	-	897	895
22	27.5	-	271	266	3.72	949	909	897	902	887	907	920	-	908	906
23	28	-	274	269	3.7	961	920	909	912	897	918	930	-	919	917
24	28.5	-	278	273	3.67	972	932	921	922	908	930	941	-	931	928
25	29	-	281	276	3.65	984	943	933	932	919	941	951	-	942	940
26	29.5	-	285	280	3.63	997	955	946	942	931	953	962	-	954	951
27	30	-	298	283	3.61	1009	967	959	953	943	966	973	-	966	964
28	30.5	-	292	287	3.59	1021	979	972	964	955	978	985	-	978	976
29	31	-	296	291	3.56	1034	991	985	976	967	991	996	-	990	989
30	31.5	-	300	294	3.54	1047	1004	999	988	980	1005	1008	-	1003	1001
31	32	-	304	298	3.52	1060	1016	1013	1001	993	1018	1020	-	1015	1015
32	32.5	-	308	302	3.5	1073	1029	1027	1013	1007	1032	1033	-	1028	1028
33	33	-	312	306	3.38	1086	1042	1042	1027	1020	1047	1046	-	1041	1042
34	33.5	-	316	310	3.46	1100	1055	1057	1040	1035	1062	1059	-	1054	1056
35	34	-	320	314	3.43	1113	1068	1072	1054	1049	1077	10733	-	1067	1070
36	34.5	-	324	318	3.41	1127	1082	1088	1069	1064	1092	1086	-	1081	1085
37	35	-	329	323	3.39	1141	1095	1104	1084	1079	1108	1101	-	1095	1100
38	35.5	-	333	327	3.37	1156	1109	1120	1099	1095	1125	1115	-	1109	1115
39	36	-	338	332	3.34	1170	1124	1136	1115	1111	1141	1130	-	1123	1131
40	36.5	-	342	336	3.32	1185	1138	1153	1131	1128	1158	1146	-	1138	1147
41	37	-	347	341	3.3	1200	1153	1171	1148	1144	1176	1161	-	1153	1163
42	37.5	-	352	345	3.28	1215	1168	1188	1165	1162	1194	1177	-	1168	1180
43	38	-	357	350	3.26	1231	1184	1206	1182	1179	1212	1194	-	1184	1197
44	38.5	-	362	355	3.24	1246	1199	125	1200	1197	1231	1211	-	1200	1214
45	39	70	367	360	3.21	1263	1216	1243	1219	1216	1250	1228	1218	1316	1232
46	39.5	70.3	372	365	3.19	1279	1232	1262	1238	1235	1270	1246	1243	1233	1250
47	40	70.5	377	370	3.17	1296	1249	1282	1257	1254	1290	1264	1267	1250	1268
48	40.5	70.8	382	375	3.15	1213	1267	1302	1277	1274	1310	1283	1291	1268	1287
49	41	71.1	388	380	3.13	1331	1284	1322	1298	1294	1331	1302	1315	1286	1307
50	41.5	71.3	393	385	3.11	1348	1303	1342	1319	1315	1353	1322	1339	1305	1327
51	42	71.6	399	391	3.09	1367	1322	1364	1340	1336	1375	1342	1362	1325	1347
52	42.5	71.8	405	396	3.07	1386	1341	1385	1362	1357	1397	1362	1385	1345	1368
53	43	72.1	411	401	3.05	1405	1361	1407	1385	1379	1420	1384	1409	1366	1389
54	43.5	72.4	417	407	3.03	1425	1382	1429	1408	1402	443	1405	1432	1387	1411
55	44	72.6	423	413	3.01	1445	1403	1452	1431	1425	1467	1427	1455	1410	1434

CONVERSION TABLE 换算表

强度 \ 硬度换算表

Conversion Table for Hardness and Tensile Strength

序	洛氏 硬度 Rockwell hardness	洛氏 硬度 Rockwell hardness	维氏 硬度 Vickers hardness	布氏 硬度 Brinell hardness	布氏 硬度 Brinell hardness	抗拉 强度 σ bMPa Intensity of tension	抗拉 强度 σ bMPa Intensity of tension	抗拉 强度 σ bMPa Intensity of tension	抗拉 强度 σ bMPa Intensity of tension	抗拉 强度 σ bMPa Intensity of tension	抗拉 强度 σ bMPa Intensity of tension	抗拉 强度 σ bMPa Intensity of tension	抗拉 强度 σ bMPa Intensity of tension	抗拉 强度 σ bMPa Intensity of tension	抗拉 强度 σ bMPa Intensity of tension
	HRC	HRA	HV	Hb30 D2	D10 2d5 4d2.5 mm	碳钢 Carbon steel	铬钢 Chrome steel	铬钒钢 Chrome- vanadium steel	铬镍钢 Chromium nickel steel	铬钼钢 Chrome molybden- um steel	铬镍 钼钢 Chromium nickel molybde- num steel	铬锰 硅钢 Chromansil	超强度 度钢 Super tough steel	不锈钢 Stainless steel	不分 钢种 General steel
56	44.5	72.9	429	418	2.99	1466	1426	1475	1455	1448	1491	1450	1479	1433	1457
57	45	73.2	436	424	2.97	1488	1448	1498	1480	1472	1516	1474	1502	1457	1480
58	45.5	73.4	443	430	2.95	1510	1472	1522	1505	1497	1541	1498	1526	1482	1504
59	46	73.7	449	436	2.93	1533	1497	1547	1531	1522	1567	1522	1550	1508	1529
60	46.5	73.9	456	442	2.91	1556	1522	1572	1557	1547	1593	1457	1575	1535	1555
61	47	74.2	463	449	2.89	1581	1549	1597	1584	1573	1620	1573	1600	1563	1581
62	47.5	74.5	470	455	2.87	1606	1576	1623	1612	1599	1648	1600	1625	1592	1608
63	48	74.7	478	461	2.85	1631	1605	1649	1640	1626	1676	1627	1652	1623	1635
64	48.5	75	485	468	2.83	1658	1635	1675	1669	1654	1704	1654	1679	1655	1663
65	49	75.3	493	474	2.81	1686	1666	1702	1698	1682	1733	1683	1707	1688	1692
66	49.5	75.5	501	481	2.79	1714	1698	1730	1728	1710	1762	1712	1735	1723	1722
67	50	75.8	509	488	2.77	1744	1731	1758	1768	1739	1793	1742	1765	1759	1753
68	50.5	76.1	417	494	2.75	-	1767	1787	1790	1769	1823	1773	1795	-	1785
69	51	76.3	525	501	2.73	-	1803	1816	1821	1799	1854	1804	1827	-	1817
70	51.5	76.6	534	-	-	-	1841	1845	1854	1830	1886	1836	1860	-	1851
71	52	76.9	543	-	-	-	1881	1875	1887	1861	1918	1870	1894	-	1885
72	52.5	77.1	551	-	-	-	-	7906	1920	1893	1951	1903	1930	-	1921
73	53	77.4	561	-	-	-	-	1937	1955	1925	1985	1938	1967	-	1957
74	53.5	77.7	570	-	-	-	-	1968	1990	-	-	1974	2005	-	1995
75	54	77.9	579	-	-	-	-	2000	2025	-	-	2010	2045	-	2034
76	54.5	78.2	589	-	-	-	-	2033	2061	-	-	2048	2087	-	2074
77	55	78.5	599	-	-	-	-	2066	2098	-	-	2086	2131	-	2115
78	55.5	78.7	609	-	-	-	-	-	-	-	-	-	2177	-	2157
79	56	79	620	-	-	-	-	-	-	-	-	-	2224	-	2201
80	56.5	79.3	631	-	-	-	-	-	-	-	-	-	2274	-	2246
81	57	79.5	642	-	-	-	-	-	-	-	-	-	2326	-	2293
82	57.5	79.8	653	-	-	-	-	-	-	-	-	-	2380	-	2341
83	58	80.1	664	-	-	-	-	-	-	-	-	-	2437	-	2391
84	58.5	80.3	676	-	-	-	-	-	-	-	-	-	2496	-	2443
85	59	80.6	688	-	-	-	-	-	-	-	-	-	2558	-	2496
86	59.5	80.9	700	-	-	-	-	-	-	-	-	-	2623	-	2551
87	60	81.2	713	-	-	-	-	-	-	-	-	-	2691	-	2607
88	60.5	81.4	726	-	-	-	-	-	-	-	-	-	-	-	-
89	61	81.7	739	-	-	-	-	-	-	-	-	-	-	-	-
90	61.5	82	752	-	-	-	-	-	-	-	-	-	-	-	-
91	62	82.2	766	-	-	-	-	-	-	-	-	-	-	-	-
92	62.5	82.5	780	-	-	-	-	-	-	-	-	-	-	-	-
93	63	82.5	795	-	-	-	-	-	-	-	-	-	-	-	-
94	63.5	83.1	810	-	-	-	-	-	-	-	-	-	-	-	-
95	64	83.3	825	-	-	-	-	-	-	-	-	-	-	-	-
96	64.5	83.6	840	-	-	-	-	-	-	-	-	-	-	-	-
97	65	83.9	856	-	-	-	-	-	-	-	-	-	-	-	-
98	65.5	84.1	872	-	-	-	-	-	-	-	-	-	-	-	-
99	66	84.4	889	-	-	-	-	-	-	-	-	-	-	-	-
100	66.5	84.7	906	-	-	-	-	-	-	-	-	-	-	-	-
101	67	85	923	-	-	-	-	-	-	-	-	-	-	-	-
102	67.5	85.2	941	-	-	-	-	-	-	-	-	-	-	-	-
103	68	85.5	959	-	-	-	-	-	-	-	-	-	-	-	-
104	68.5	85.8	978	-	-	-	-	-	-	-	-	-	-	-	-
105	69	86.1	997	-	-	-	-	-	-	-	-	-	-	-	-
106	69.5	86.3	1017	-	-	-	-	-	-	-	-	-	-	-	-
107	70	86.6	1037	-	-	-	-	-	-	-	-	-	-	-	-

THREAD TAPPING HOLE DIAMETER COMPARISON
螺纹攻牙钻孔径对照表

公制粗螺纹 Metric coarse thread				公制粗螺纹 Metric coarse thread			
规格 Specification	标准径 Standard diameter	2 级牙钻孔径 2nd. accuracy tapping hole diameter		规格 Specification	标准径 Standard diameter	2 级牙钻孔径 2nd. accuracy tapping hole diameter	
		最大 Max	最小 Min			最大 Max	最小 Min
M1.0	0.25	0.75	0.785	M1.0	0.2	0.821	0.783
M1.1	0.25	0.85	0.885	M1.1	0.2	0.921	0.883
M1.2	0.25	0.95	0.985	M1.2	0.2	1.021	0.983
M1.4	0.3	1.10	1.142	M1.4	0.2	1.221	1.183
M1.6	0.35	1.25	1.321	M1.6	0.2	1.421	1.383
M1.7	0.35	1.35	1.421	M1.7	0.2	1.45	1.460
M1.8	0.35	1.45	1.521	M1.8	0.2	1.60	1.583
M2.0	0.4	1.60	1.679	M2.0	0.25	1.75	1.729
M2.2	0.45	1.75	1.838	M2.2	0.25	1.95	1.929
M2.3	0.4	1.90	1.979	M2.3	0.25	2.05	2.001
M2.5	0.45	2.10	2.138	M2.5	0.35	2.20	2.121
M2.6	0.45	2.20	2.238	M2.6	0.35	2.20	2.186
M3.0	0.5	2.50	2.599	M3.0	0.35	2.70	2.621
M3.5	0.6	2.90	3.010	M3.5	0.35	3.20	3.121
M4.0	0.7	3.30	3.422	M4.0	0.5	3.50	3.459
M4.5	0.75	3.80	3.878	M4.5	0.5	4.00	3.959
M5.0	0.8	4.20	4.334	M5.0	0.5	4.50	4.459
M6.0	1.0	5.00	5.153	M5.5	0.5	5.00	4.959
M7.0	1.0	6.00	6.153	M6.0	0.75	5.30	5.188
M8.0	1.25	6.80	6.912	M6.0	0.5	5.50	5.400
M9.0	1.25	7.80	7.912	M7.0	0.75	6.30	6.188
M10	1.5	8.50	8.676	M7.0	0.5	6.50	6.400
M11	1.5	9.50	9.676	M8.0	1.0	7.00	6.917
M12	1.75	10.30	10.441	M8.0	0.75	7.30	7.188
M14	2.0	12.00	12.210	M8.0	0.5	7.50	7.400
M16	2.0	14.00	14.210	M9.0	1.0	8.00	7.917
M18	2.5	15.50	15.744	M9.0	0.75	8.30	8.188
M20	2.5	17.50	17.744	M10	1.25	8.80	8.647
M22	2.5	19.50	19.744	M10	1.0	9.00	8.917
M24	3.0	21.00	21.252	M10	0.75	9.30	9.188
M27	3.0	24.00	24.252	M10	0.5	9.50	9.400
M30	3.5	26.50	26.771	M11	1.0	10.00	9.917
M33	3.5	29.50	29.771	M11	0.75	10.30	10.188
M36	4.0	32.00	32.270	M12	1.5	10.50	10.376
M39	4.0	35.00	35.270	M12	1.25	10.80	10.647
-	-	-	-	M12	1.0	11.00	10.917
-	-	-	-	M12	0.5	15.00	11.400
-	-	-	-	M14	1.5	12.50	12.376
-	-	-	-	M14	1.0	13.00	12.917
-	-	-	-	M15	1.5	13.50	13.376

刀柄系统
ADAPTORS

THREAD TAPPING HOLE DIAMETER COMPARISON

螺纹攻牙钻孔径对照表

公制粗螺纹 Metric coarse thread					美制细螺纹 UNF				
规格 Specification	标准径 Standard diameter	2 级牙钻孔径 2nd. accuracy tapping hole diameter			规格 Specification	标准径 Standard diameter	2 级牙钻孔径 2nd. accuracy tapping hole diameter		
		最大 Max	最小 Min				最大 Max	最小 Min	
M15	1.0	14.00	14.153	13.917	(螺丝牙外径) Tooth diameter				
M16	1.5	14.50	14.676	14.376	No.0 -80(1.542)	1.25	1.305	1.182	
M16	1.0	15.00	15.153	14.917	No.1 -72(1.854)	1.55	1.612	1.474	
M17	1.5	15.50	15.676	15.376	No.2 -64(2.184)	1.85	1.912	1.756	
M17	1.0	16.00	16.153	15.917	No.3 -56(2.515)	2.10	2.197	2.025	
M18	2.0	16.00	16.210	15.835	No.4 -48(2.845)	2.40	2.458	2.271	
M18	1.5	16.50	16.676	16.376	No.5 -44(3.175)	2.70	2.740	2.551	
M18	1.0	17.00	17.153	16.917	No.6 -40(3.505)	2.90	3.022	2.82	
M20	2.0	18.00	18.210	17.835	No.8 -36(4.166)	3.50	3.606	3.404	
M20	1.5	18.50	18.676	18.376	No.10-32(4.826)	4.10	4.165	3.963	
M20	1.0	19.00	19.153	18.917	No.12-28(5.486)	4.60	4.724	4.496	
M22	2.0	20.00	20.210	19.835	1/4 -28	5.50	5.588	5.360	
M22	1.5	20.50	20.676	20.376	5/16 -24	6.90	7.035	6.782	
M22	1.0	21.00	21.153	20.917	3/8 -24	8.50	8.636	8.382	
M24	2.0	22.00	22.210	21.835	7/16 -20	9.90	10.033	9.729	
M24	1.5	22.50	22.676	22.376	1/2 -20	11.50	11.607	11.329	
M24	1.0	23.00	23.153	22.917	9/16 -18	12.90	13.081	12.751	
M25	2.0	23.00	23.210	22.835	5/8 -18	14.50	14.681	14.351	
M25	1.5	23.50	23.676	23.376	3/4 -16	17.50	17.678	17.323	
M25	1.0	24.00	24.153	23.917	7/8 -14	20.50	20.675	20.270	
M26	1.5	24.50	24.676	24.376	1	-12	23.30	23.571	23.114
M27	2.0	25.00	25.210	24.835	1-1/8 -12	26.50	26.746	26.289	
M27	1.5	25.50	25.676	25.376	1-1/4 -12	29.60	29.921	29.464	
M27	1.0	26.00	26.153	25.917	1-3/8 -12	32.80	33.096	32.639	
M28	2.0	26.00	26.210	25.835	1-1/2 -12	36.00	36.271	35.814	
M28	1.5	26.50	26.676	26.376	美制迫牙丝攻钻孔径 American system extrusion tapping hole diameter				
M28	1.0	27.00	27.153	26.917	规格 Specification	精度 Accuracy	最大 Max	最小 Min	
M30	3.0	27.00	27.252	26.752	1	-64UNC	G5	1.76	1.68
M30	2.0	28.00	28.210	27.835	2	-56	G4	2.04	1.96
M30	1.5	28.50	28.676	28.376	3	-48	G4	2.35	2.25
M30	1.0	29.00	29.153	28.917	4	-40	G5	2.64	2.54
M32	2.0	30.00	30.210	29.835	5	-40	G5	2.97	2.87
M32	1.5	30.50	30.676	30.376	6	-32	G5	3.22	3.11
M33	3.0	30.00	30.252	29.752	8	-32	G6	3.89	3.78
M33	2.0	31.00	31.210	30.835	10	-24	G6	4.44	4.30
M33	1.5	31.50	31.676	31.376	12	-24	G6	5.07	4.96
M35	1.5	33.50	33.676	33.376	1/4" -20	G7	5.86	5.73	
M36	3.0	33.00	33.252	32.752	-	-	-	-	
M36	2.0	34.00	34.210	33.835					
M36	1.5	34.50	34.676	34.376					

刀柄系统
ADAPTORS

THREAD TAPPING HOLE DIAMETER COMPARISON

螺纹攻牙钻孔径对照表

公制粗螺纹 Metric coarse thread					美制迫牙丝攻钻孔径 American system extrusion tapping hole diameter				
规格 Specification	标准径 Standard diameter	2 级牙钻孔径 2nd. accuracy tapping hole diameter			规格 Specification	精度 Accuracy	最大 Max	最小 Min	
		最大 Max	最小 Min						
(螺丝牙外径) Tooth diameter					5/16" -18	G7	7.38	7.23	
No.1 -64(1.854)	1.55	1.582	1.425		3/8" -16	G7	8.89	8.72	
No.2 -56(2.184)	1.80	1.871	1.695		7/16"-14	G8	10.40	10.02	
No.3 -48(2.515)	2.10	2.146	1.941		1/2" -13	G8	11.92	11.70	
No.4 -40(2.845)	2.30	2.385	2.157		0 -80UNF	G5	1.45	1.39	
No.5 -40(3.175)	2.60	2.697	2.487		1 -72	G5	1.77	1.70	
No.6 -32(3.505)	2.80	2.895	2.642		2 -64	G4	2.06	1.98	
No.8 -32(4.166)	3.40	3.530	3.302		3 -56	G4	2.37	2.29	
No.10-24(4.826)	3.90	3.962	3.683		4 -48	G5	2.68	2.59	
No.12-24(5.486)	4.50	4.597	4.344		5 -44	G5	2.99	2.90	
1/4 -20	5.10	5.257	4.979		6 -40	G5	3.29	3.19	
5/16 -18	6.60	6.731	6.401		8 -36	G5	3.91	3.81	
3/8 -16	8.00	8.153	7.798		10 -32	G6	4.53	4.44	
7/16 -14	9.40	9.550	9.144		12 -28	G6	5.13	5.03	
1/2 -13	10.90	11.023	10.592		1/4" -28	G7	6.00	5.91	
9/16 -12	12.20	12.446	11.989		5/16" -24	G7	7.53	7.42	
5/8 -11	13.60	13.868	13.386		3/8" -24	G7	9.10	8.99	
3/4 -10	16.60	16.840	16.307		7/16" -20	G8	10.62	10.48	
7/8 -9	19.60	19.761	19.177		1/2" -20	G8	12.20	12.06	
1 -8	22.30	22.606	21.971		美制特细螺纹 UNEF				
1-1/8 -7	25.00	25.349	24.638		规格 Specification	标准径 Standard diameter	2 级牙钻孔径 2nd. accuracy tapping hole diameter		
1-1/4 -7	28.20	28.524	27.813				最大 Max	最小 Min	
1-3/8 -6	30.80	31.115	30.353		No.12 -32	4.70	4.826	4.623	
1-1/2 -6	34.00	34.290	33.528		1/4 -32	5.60	5.689	5.487	
1-3/4 -5	39.50	39.827	38.964		5/16 -32	7.10	7.264	7.087	
2 -4-1/2	45.20	45.593	44.679		3/8 -32	8.70	8.864	8.662	
公制迫牙丝攻钻孔径 Metric extrusion tapping hole diameter					7/16 -28	10.20	10.337	10.135	
规格 Specification	精度 Accuracy	最大 Max	最小 Min		1/2 -28	11.80	11.938	11.710	
M1.0	0.25	0.92	0.89		9/16 -24	13.20	13.385	13.132	
M1.2	0.25	1.11	1.09		5/8 -24	14.80	14.968	14.732	
M1.4	0.30	1.30	1.26		3/4 -20	17.80	17.957	17.679	
M1.6	0.35	1.47	1.43		7/8 -20	21.00	21.132	20.854	
M1.7	0.35	1.57	1.52		1	-20	24.10	24.307	24.029
M1.8	0.35	1.67	1.62		-	-	-	-	
M2.0	0.40	1.84	1.79		-	-	-	-	
M2.2	0.45	2.04	1.98		-	-	-	-	
M2.3	0.40	2.14	2.09		-	-	-	-	
M2.5	0.45	2.34	2.27		-	-	-	-	