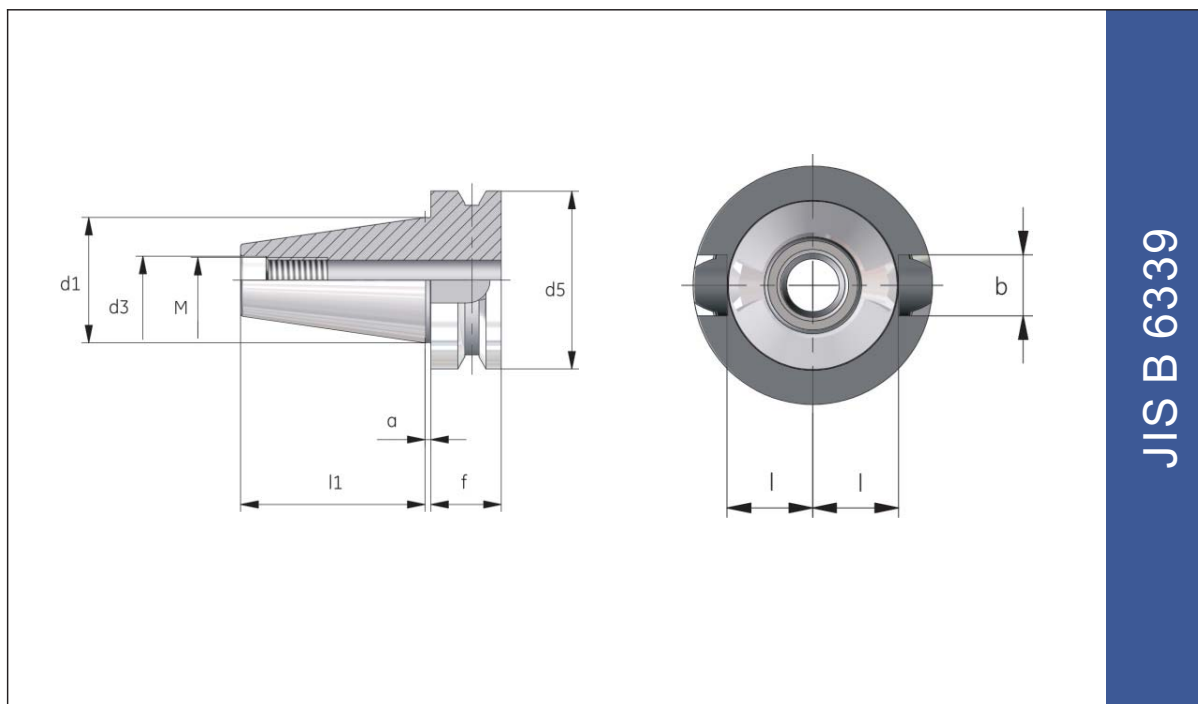


TOOL HOLDER MAS 403 BT



JIS B 6339

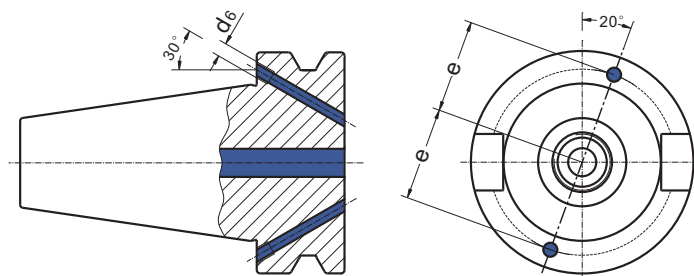
BT	l1	d1	d5	f	a	M	d3	b	l
30	48.4	31.75	46	20	2	M12	12.5	16.1	16.31
40	65.4	44.45	63	25	2	M16	17	22.6	22.6
50	101.8	69.85	100	36	3	M24	25	35.4	35.3

Cooling / 冷却方式

A型: 无内冷却

AD型: 中心通水

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



Form A: without cooling supply

Form AD: central cooling supply

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



TOOL HOLDER / 刀柄 MAS 403 BT

ER弹簧夹头刀柄 ————— 1.08

ER迷你弹簧夹头刀柄 ————— 1.10

侧固式铣刀柄 ————— 1.11

混合式铣刀柄 ————— 1.13

面铣刀柄 ————— 1.14

钻夹头刀柄 ————— 1.15

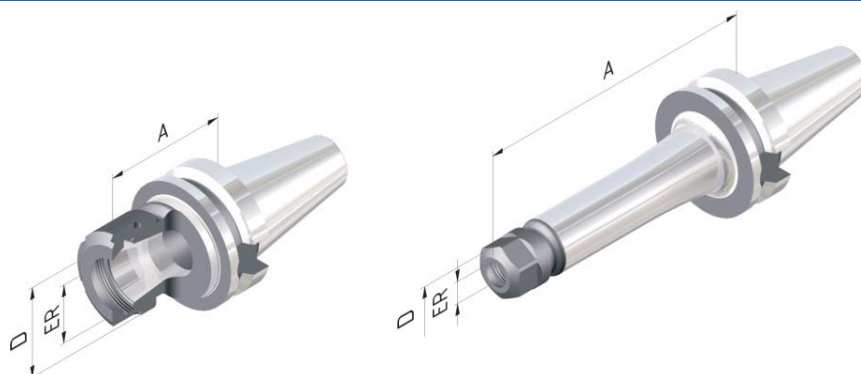
弹性快换攻丝刀柄 ————— 1.16

刚性快换攻丝刀柄 ————— 1.17

液压刀柄 ————— 1.18

热缩刀柄 ————— 1.19

端面通水热缩刀柄 ————— 1.23

Collet Chuck ER / BT-ER弹簧夹头刀柄

G2.5 25000min⁻¹

≤ 3μ

Form AD/B

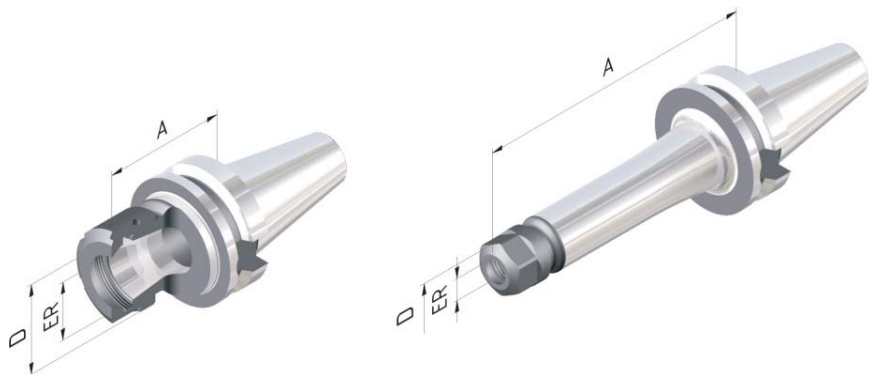
Order No. 货号	Size 规格	BT	ER	Capacity 夹持范围	D 螺帽外径	A 有效长度
H31.1011.60.1*	BT30-ER11-60	30	ER11	1-7	19	60
H31.1011.100.1*	BT30-ER11-100	30	ER11	1-7	19	100
H31.1016.60.1*	BT30-ER16-60	30	ER16	1-10	28	60
H31.1016.100.1*	BT30-ER16-100	30	ER16	1-10	28	100
H31.1020.60.1*	BT30-ER20-60	30	ER20	1-13	34	60
H31.1020.100.1*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

* BT30为AD中心通水



TOOL HOLDER / 刀柄

Collet Chuck ER / BT-ER弹簧夹头刀柄



G2.5 25000min⁻¹

≤ 3μ

Form AD/B

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

应用：ER夹头夹持圆柱柄刀具

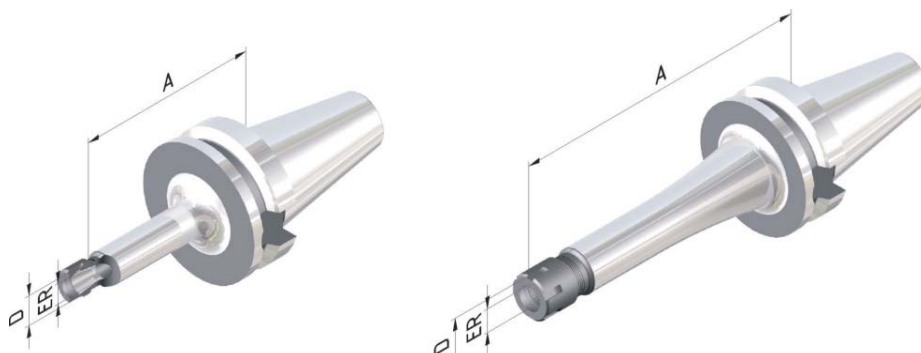
技术结构：外锥到内锥跳动≤0.003mm，
在2.5 X D处最大跳动为≤8μ

发货：带螺母

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

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

Includes: Clamping nut

Collet Chuck ER / BT-ER迷你弹簧夹头刀柄

G2.5 25000min⁻¹
 ≤ 3μ

Form AD/B

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

应用：ER夹头夹持圆柱柄刀具

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

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

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

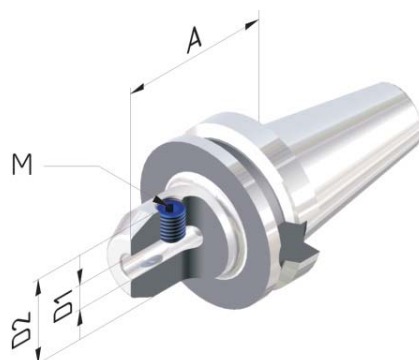
发货：带螺母

Includes: Mini-Clamping nut



TOOL HOLDER / 刀柄 MAS 403 BT

Weldon Toolholder / BT- 侧固式铣刀柄

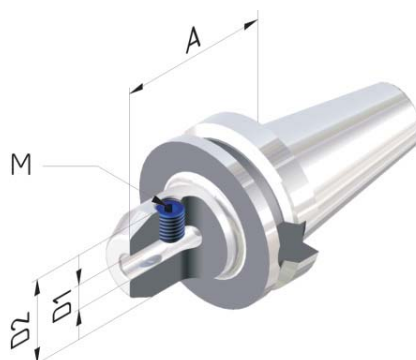
G2.5 25000min⁻¹

≤ 3μ

Form AD/B

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

Weldon Toolholder / BT- 侧固式铣刀柄



G2.5 25000min⁻¹

≤ 3μ

Form AD/B

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

应用：夹持DIN 1835B/6359HB圆柱柄刀具

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

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

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

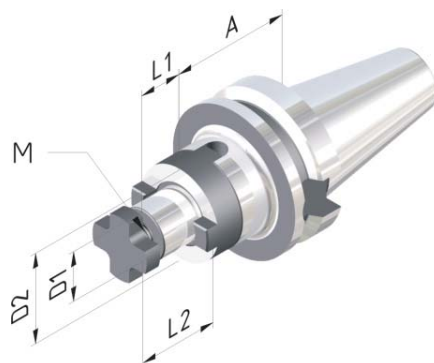
发货：带夹紧螺钉

Includes: Clamping screw



TOOL HOLDER / 刀柄 MAS 403 BT

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

G2.5 25000min⁻¹

≤ 6μ

Form AD/B

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

应用：适用于夹持带横向和纵向槽的面铣刀

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

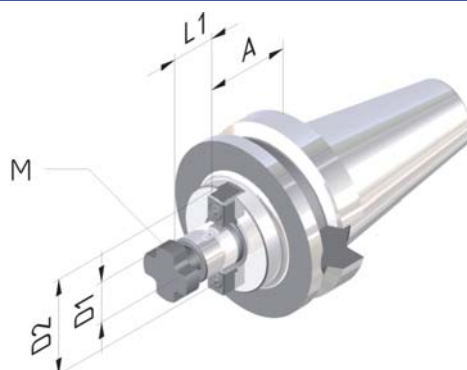
技术结构：外锥相对D1的跳动≤0.006mm

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

发货：带夹紧螺钉传动键和调节环

Includes: Clamping screw, drive key and adjusting spring.

Shell Mill Toolholder / BT- 面铣刀柄



G2.5 25000min⁻¹

≤ 6μ

Form AD/B

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

应用：适用于夹持带横向槽的面铣刀

技术结构：带延长凸缘，外锥相对D1的
跳动≤0.006mm

发货：带夹紧螺钉及传动键

Application: For adapting shell mills with transverse slot.

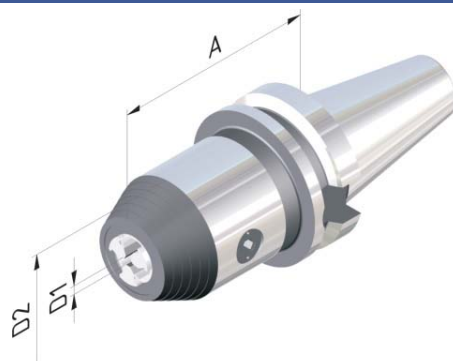
Technical Design: With extended flange.
Runout of outer taper
to D1 ≤ 0,006 mm.

Includes: Clamping screw and drive keys.



TOOL HOLDER / 刀柄 MAS 403 BT

Drill Chuck / BT- 钻夹头刀柄

G6.3 12000min⁻¹

Form AD/B

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

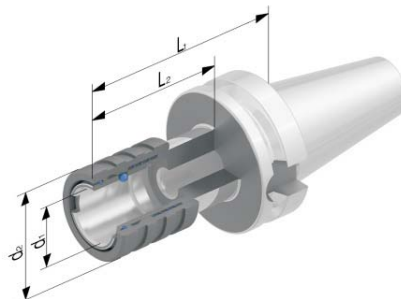
应用：夹持圆柱柄刀具

Application: For clamping tools with cylindrical shank.

发货：带扳手

Includes: Wrench.

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



G6.3 12000min⁻¹

Form A

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

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

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

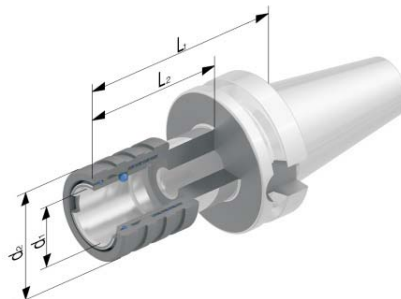
发货：

Includes:



TOOL HOLDER / 刀柄

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



G6.3 12000min⁻¹

Form AD/B

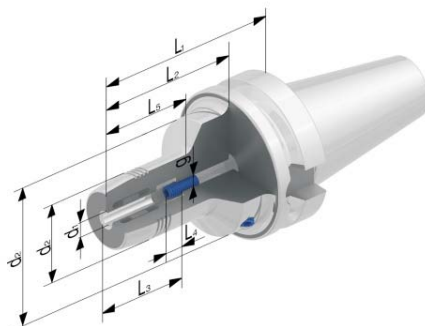
Order No. 货号	Size 规格	BT	丝锥直径	规格	d1	d2	l1	G
H31.6112.66.2	BT30-M3-M12-66	30	M3-M12	Gr.1	19	36	66	M12
H31.6120.80.2	BT30-M8-M20-80	30	M8-M20	Gr.2	31	53	80	M12
H41.6112.71.2	BT40-M3-M12-71	40	M3-M12	Gr.1	19	36	71	M16
H41.6120.85.2	BT40-M8-M20-85	40	M8-M20	Gr.2	31	53	85	M16
H41.6133.121.2	BT40-M14-M33-121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

应用：用于螺纹加工, 轴向长度不可变化

Application: For tapping preferably Axial length nonadjustable.

发货：

Includes:

BT Hydraulic Expansion Chucks / BT - 液压刀柄

G6.3 12000min⁻¹
 ≤ 5μ

Form AD/B

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

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

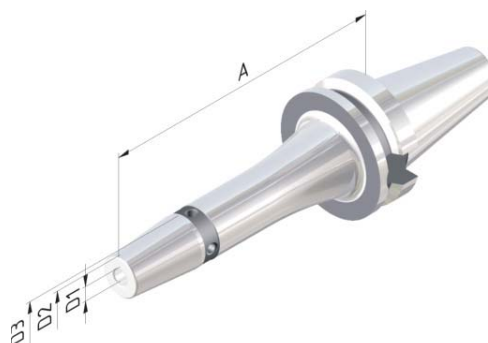
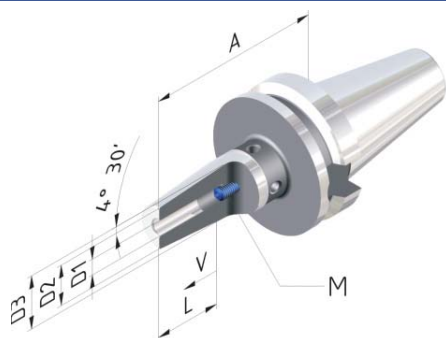
Application: For mounting straight-shank tools acc
DIN 1835form A+B+E and DIN 6535 form
HA+B+HE(larger than dia.12mm onl with
reduction sleeve).The Tolerance a of
Tools Should be h6.

发货：

Includes:

TOOL HOLDER / 刀柄

BT Shrink With 4.5° / BT 4.5° 热缩刀柄

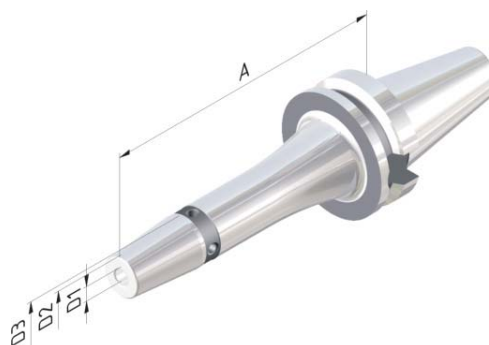
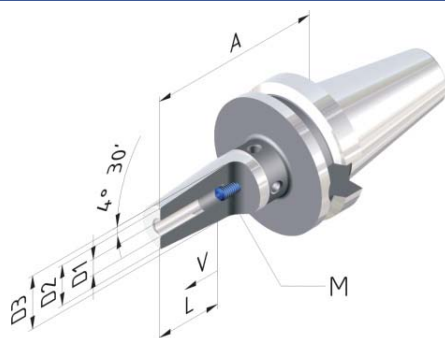


G2.5 25000min⁻¹

≤ 3μ

Form AD/B

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

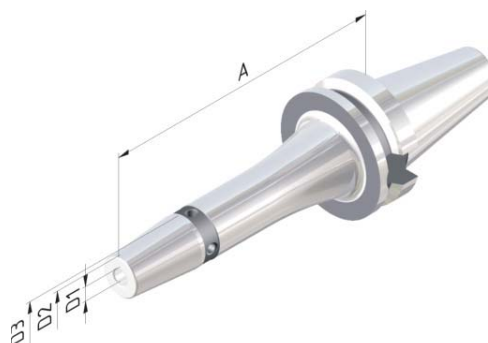
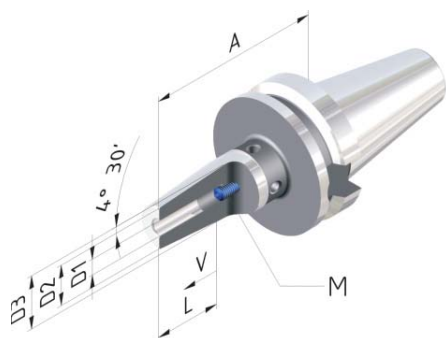
BT Shrink With 4.5° / BT 4.5° 热缩刀柄

G2.5 25000min⁻¹
 ≤ 3μ

Form AD/B

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

TOOL HOLDER / 刀柄

BT Shrink With 4.5° / BT 4.5° 热缩刀柄

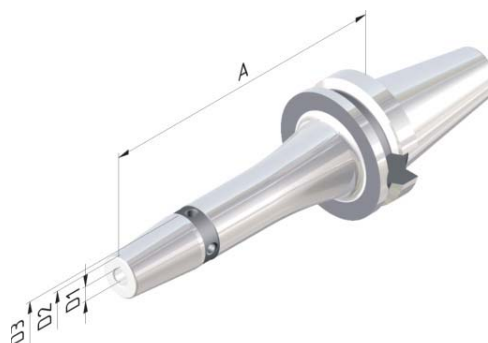
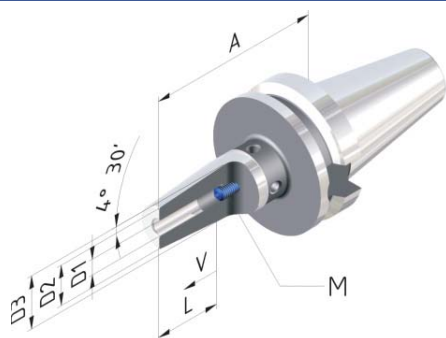


G2.5 25000min⁻¹

≤ 3μ

Form AD/B

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

BT Shrink With 4.5° / BT 4.5° 热缩刀柄


G2.5 25000min⁻¹

≤ 3μ

Form AD/B

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

应用：夹持圆柱柄刀具

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

发货：带调节螺钉

Application: For clamping tools with cylindrical shank.

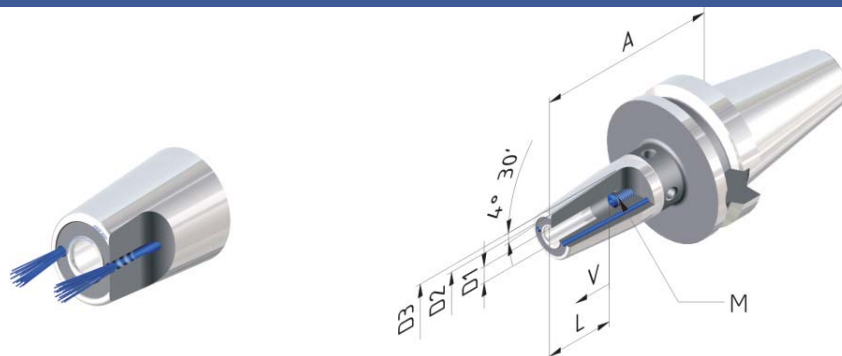
Technical Design: Made of special heat resistant steel. Suitable for inductive shrinking unit. With four additional threads for supplementary fine balancing.
Runout of outer taper to D1 ≤ 0,003 mm.
Tolerance of bore H4 (more accurate as DIN).

Includes: Set screw.



TOOL HOLDER / 刀柄 MAS 403 BT

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

G2.5 25000min⁻¹

↗ ≤ 3μ

Form 端面通水

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

应用：专门用于无内冷刀具，用在难排屑加工

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

发货：调节螺钉，2个M3密封螺钉

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

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

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