

TOOL HOLDERS

BBT

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

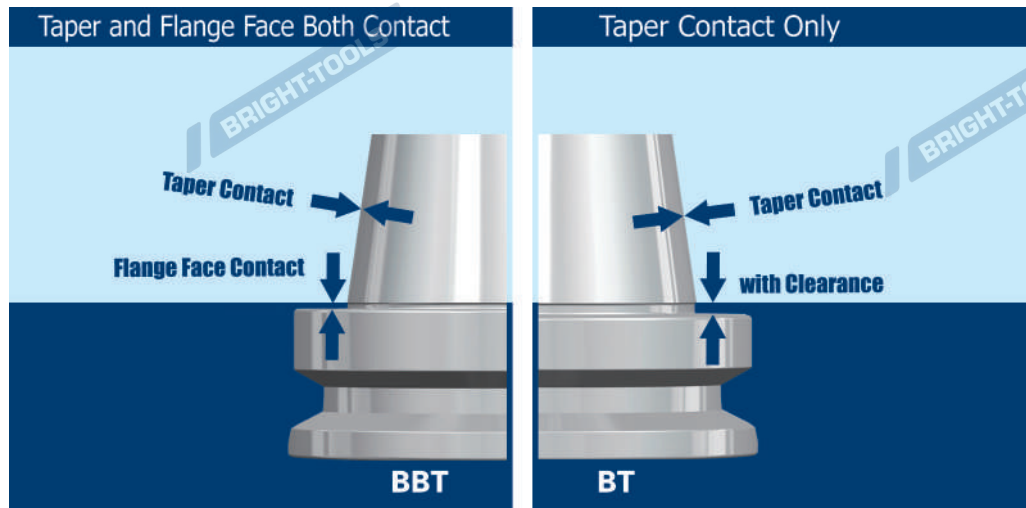
BRIGHT-TOOLS

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BBT DualDrive (Double Contact) Tool Holders

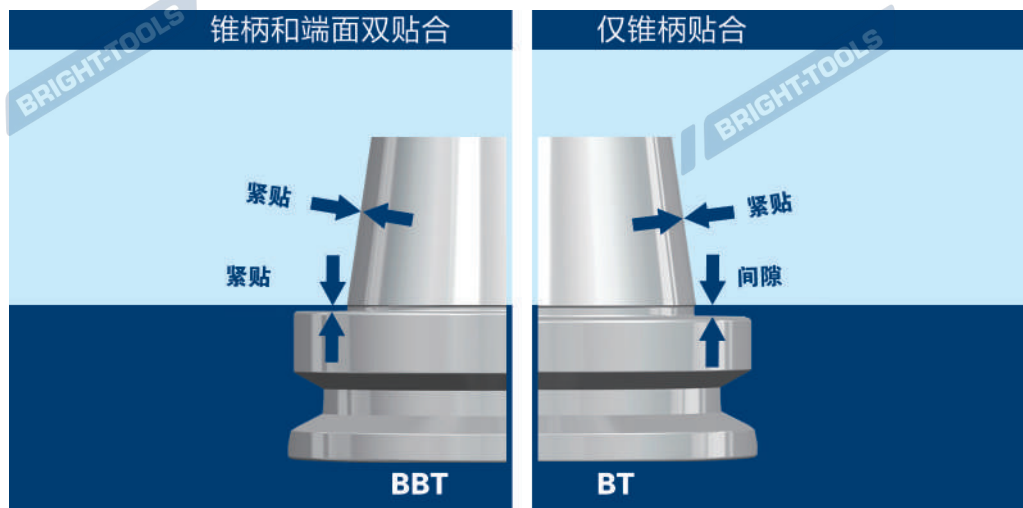


BBT Advantages:

- * Improve tool holder stability when high speed working.
- * Improve workpiece surface finish.
- * Improve working dimension accuracy.
- * Improve ATC repeatability.
- * Improve the roundness when boring operation.
- * Extend cutting tool life.

ORDER SPECIFICATION:
PLEASE ORDER BBT SPINDLE FOR BETTER PERFORMANCE.

BBT 双接触刀柄



使用 BBT 双接触刀柄优势：

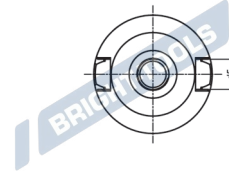
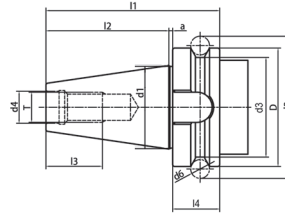
- * 高速加工时提高刀柄稳定性；
- * 提高工件表面光洁度；
- * 提高加工精度；
- * 提高 ATC 的重复精度；
- * 提高镗孔加工圆度；
- * 增加刀具使用寿命。

订购说明：

为了更好的使用效果，请订购带 BBT 主轴的加工中心。

BBT Taper Standard

BBT 锥柄标准



Size	D	d1	d2	d3	d4	d5	d6	l1	l2	l3	l4	a	T
BBT30	46	31.75	56.14	38	12.5	16.1	8	70.4	48.4	24	21	1	M12*1.75
BBT40	63	44.45	75.679	53	17	16.1	10	92.4	65.4	30	26	1	M16*2.0
BBT50	100	69.85	119.019	85	25	25.7	15	139.8	101.8	45	36.5	1.5	M24*3.0

Taper standard: JIS B 6339

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

Surface Roughness: Ra<0.2μm

Balancing: G6.3/15000; G2.5/25000

Cooling: AD; AD/B can be made by request.

BBT TOOLING SYSTEM

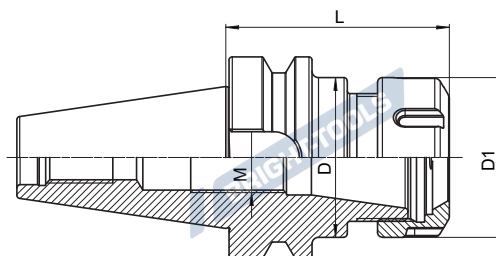
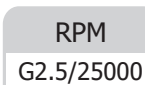
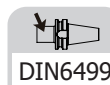
BBT 工具系统

ER Collet Chuck.....	D.46
ER 弹簧夹头刀柄	
Power Milling Chuck	D.48
强力铣刀柄	
SKS Collet Chuck.....	D.50
SKS 高速筒夹刀柄	
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可调节精度法兰刀柄	
Test Arbor.....	D.58
主轴检测棒	



ER Collet Chuck with UM Nut

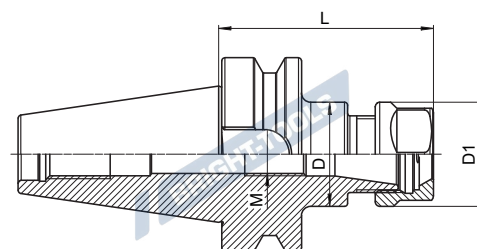
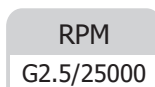
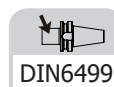
ER 弹簧夹头刀柄



Size	D	D1	L	M	Capacity
BBT40-ER16UM-70	28	32	70	M10	1-10
BBT40-ER20UM-70	34	35	70	M14*1.5	1-13
BBT40-ER25-70	42	42	70	M18*1.5	2-16
BBT40-ER32-70	50	50	70	M22*1.5	2-20
BBT40-ER40-80	50	63	80	M28*1.5	3-26
BBT40-ER16UM-100	28	32	100	M10	1-10
BBT40-ER20UM-100	34	35	100	M14*1.5	1-13
BBT40-ER25-100	42	42	100	M18*1.5	2-16
BBT40-ER32-100	50	50	100	M22*1.5	2-20
BBT40-ER40-100	50	63	100	M28*1.5	3-26
BBT40-ER16UM-160	28	32	160	M10	1-10
BBT40-ER20UM-160	34	35	160	M14*1.5	1-13
BBT40-ER25-160	42	42	160	M18*1.5	2-16
BBT40-ER32-160	50	50	160	M22*1.5	2-20
BBT40-ER40-160	50	63	160	M28*1.5	3-26
BBT50-ER16UM-70	28	32	70	M10	1-10
BBT50-ER20UM-70	34	35	70	M14*1.5	1-13
BBT50-ER25-70	42	42	70	M18*1.5	2-16
BBT50-ER32-70	40	50	70	M22*1.5	2-20
BBT50-ER40-80	63	63	80	M28*1.5	3-26
BBT50-ER50-100	64	78	100	M36*1.5	6-34
BBT50-ER16UM-100	28	32	100	M10	1-10
BBT50-ER20UM-100	34	35	100	M14*1.5	1-13
BBT50-ER25-100	42	42	100	M18*1.5	2-16
BBT50-ER32-100	50	50	100	M22*1.5	2-20
BBT50-ER40-100	63	63	100	M28*1.5	3-26
BBT50-ER16UM-160	28	32	160	M10	1-10
BBT50-ER20UM-160	34	35	160	M14*1.5	1-13
BBT50-ER25-160	42	42	160	M18*1.5	2-16
BBT50-ER32-160	50	50	160	M22*1.5	2-20
BBT50-ER40-160	63	63	160	M28*1.5	3-26

ER Collet Chuck with Hex Nut

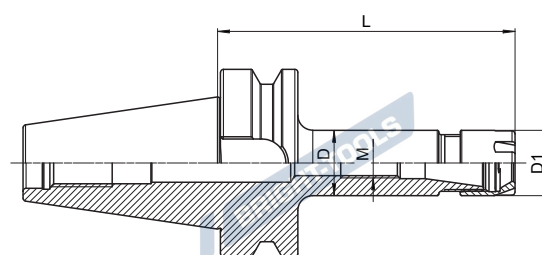
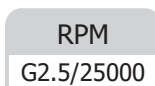
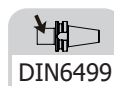
ER 弹簧夹头刀柄



Size	D	D1	L	M	Capacity
BBT40-ER16-70	28	28	70	M10	1-10
BBT40-ER20-70	34	34	70	M14*1.5	1-13
BBT40-ER16-100	28	28	100	M10	1-10
BBT40-ER20-100	34	34	100	M14*1.5	1-13
BBT40-ER16-160	28	28	160	M10	1-10
BBT40-ER20-160	34	34	160	M14*1.5	1-13
BBT50-ER16-70	28	28	70	M10	1-10
BBT50-ER20-70	34	34	70	M14*1.5	1-13
BBT50-ER16-100	28	28	100	M10	1-10
BBT50-ER20-100	34	34	100	M14*1.5	1-13
BBT50-ER16-160	28	28	160	M10	1-10
BBT50-ER20-160	34	34	160	M14*1.5	1-13

ER Collet Chuck with Mini Nut

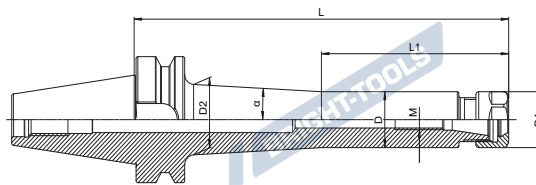
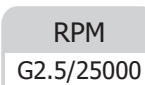
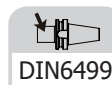
ER 弹簧夹头刀柄



Size	D	D1	L	M	Capacity
BBT40-ER11M-70	16	16	70	M6	1-7
BBT40-ER16M-70	22	22	70	M10	1-10
BBT40-ER20M-70	28	28	70	M14*1.5	1-13
BBT40-ER25M-70	35	35	70	M18*1.5	2-16
BBT40-ER11M-100	16	16	100	M6	1-7
BBT40-ER16M-100	22	22	100	M10	1-10
BBT40-ER20M-100	28	28	100	M14*1.5	1-13
BBT40-ER25M-100	35	35	100	M18*1.5	2-16
BBT40-ER20M-160	28	28	160	M14*1.5	1-13
BBT40-ER25M-160	35	35	160	M18*1.5	2-16

ER Collet Chuck with Mini Nut

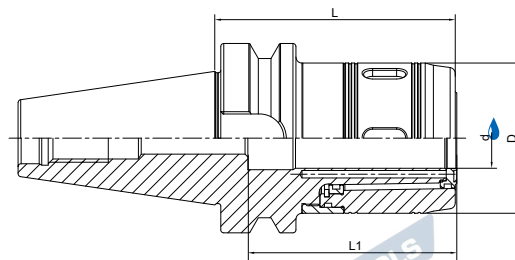
ER 弹簧夹头刀柄



Size	D	D1	D2	L	L1	α	M	Capacity
BBT40-ER11M-160T	16	16	25.75	160	70	5	M6	1-7
BBT40-ER16M-160T	22	22	29.13	160	70	3.5	M10	1-10

Power Milling Chuck

强力铣刀柄



Size	d	D	L	L1	Capacity
BBT40-HC20-90	20	50	90	73	3-16; 20
BBT40-HC25-100	25	59	100	78	3-20; 25
BBT40-HC32-105	32	72	105	77	3-25; 32
BBT50-HC20-105	20	50	105	73	3-16; 20
BBT50-HC25-105	25	59	105	78	3-20; 25
BBT50-HC32-110	32	72	110	77	3-25; 32

Power Milling Chuck 强力铣刀柄

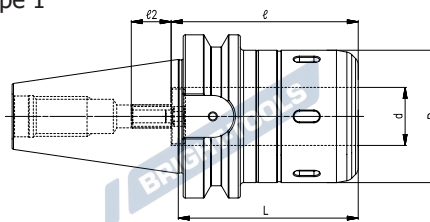
NEW

A $\nearrow$
 ≤ 0.005

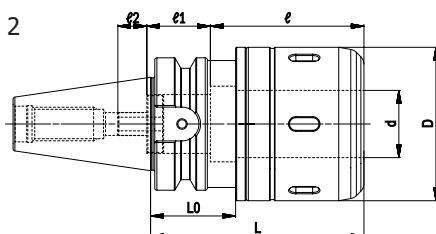
AD



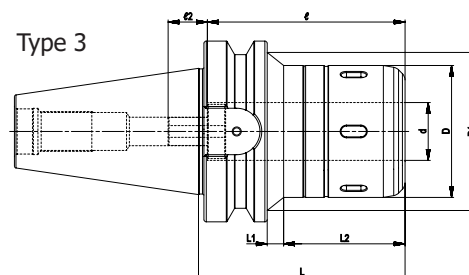
Type 1



Type 2



Type 3



Size	Type	d	D	D1	L	L1	L2	ℓ	ℓ1	ℓ2	d1	L0	G
BBT40-CT20SA-90	1	20	52	-	90	-	-	80	-	15	-	-	M12
BBT40-CT25SA-90	1	25	61	-	90	-	-	80	-	15	-	-	M12
BBT40-CT25SA-105	1	25	61	-	105	-	-	80	-	15	-	-	M12
BBT40-CT32SA-90	2	32	73	-	90	-	-	76	32	17	26	31	M18
BBT40-CT32SA-105	2	32	73	-	105	-	-	85	23	17	26	44	M18
BBT40-CT32SA-135	2	32	73	-	135	-	-	120	-	17	-	69	M18
BBT50-CT20SA-105	3	20	52	70	105	9	58	80	-	15	-	-	M12
BBT50-CT25SA-105	3	25	61	82	105	11	56	80	-	15	-	-	M12
BBT50-CT32SA-135	3	32	73	88	135	41	56	120	-	20	-	-	M18

BBT

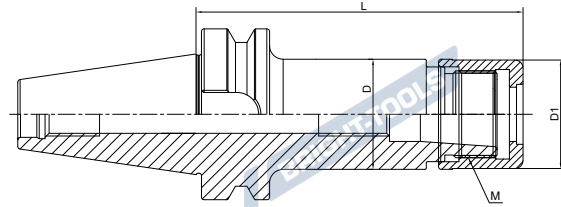
High Speed SKS Collet Chuck

SKS 高速筒夹刀柄

A ↗
≤0.003

RPM
G2.5/25000

AD
AD

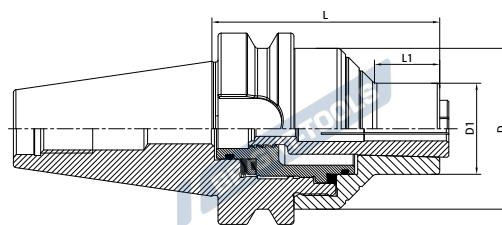


Size	D	D1	L	Capacity	M
BBT40-SKS10-90	27.5	27	90	2-10	M21.5*1
BBT40-SKS16-90	40.6	40	90	3-16	M32*1.5
BBT40-SKS20-90	48.5	48	90	2-20	M40*1
BBT40-SKS25-90	55	55	90	6-25	M45*1.5
BBT40-SKS10-120	27.5	27	120	2-10	M21.5*1
BBT40-SKS16-120	40.6	40	120	3-16	M32*1.5
BBT40-SKS20-120	48.5	48	120	2-20	M40*1
BBT40-SKS25-120	55	55	120	6-25	M45*1.5

Precision Screw Collet Chuck

NDC 后拉刀柄

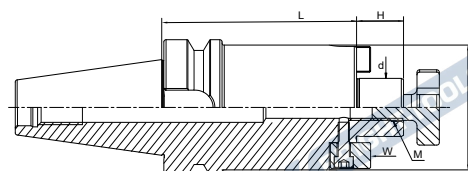
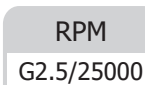
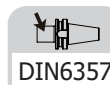
A ↗ ≤0.003	RPM G2.5/25000	AD
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Size	D	D1	L	L1
BBT40-NDC14-75	53	30	75	21.5
BBT40-NDC14-120	53	30	120	66.5
BBT40-NDC14-150	53	30	150	88
BBT40-NDC20-75	63	40	75	22
BBT40-NDC20-120	63	40	120	66.6
BBT40-NDC20-150	63	40	150	96.6
BBT40-NDC32-115	63	63	115	88
BBT50-NDC20-115	63	40	115	22
BBT50-NDC20-130	63	40	130	22
BBT50-NDC20-160	63	40	160	66.6
BBT50-NDC32-150	70	70	150	112

Face Mill Holder

面铣刀柄

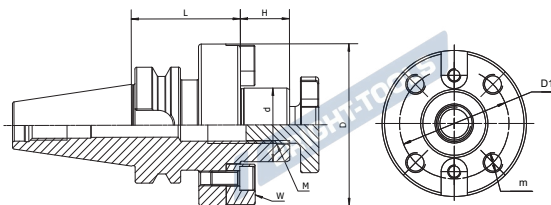
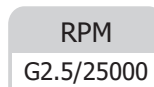
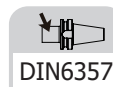


Size	d	L	D	H	M	W
BBT40-FMB16-40	16	40	38	17	M8	8
BBT40-FMB22-40	22	40	48	19	M10	10
BBT40-FMB27-40	27	40	58	21	M12	12
BBT40-FMB32-50	32	50	78	24	M16	14
BBT40-FMB22-60	22	60	48	19	M10	10
BBT40-FMB27-60	27	60	58	21	M12	12
BBT40-FMB32-60	32	60	78	24	M16	14
BBT40-FMB16-100	16	100	38	17	M8	8
BBT40-FMB22-100	22	100	48	19	M10	10
BBT40-FMB27-100	27	100	58	21	M12	12
BBT40-FMB32-100	32	100	78	24	M16	14
BBT50-FMB16-40	16	40	38	17	M8	8
BBT50-FMB22-40	22	40	48	19	M10	10
BBT50-FMB27-40	27	40	58	21	M12	12
BBT50-FMB32-50	32	50	78	24	M16	14
BBT50-FMB22-60	22	60	48	19	M10	10
BBT50-FMB27-60	27	60	58	21	M12	12
BBT50-FMB32-60	32	60	78	24	M16	14
BBT50-FMB16-100	16	100	38	17	M8	8
BBT50-FMB22-100	22	100	48	19	M10	10
BBT50-FMB27-100	27	100	58	21	M12	12
BBT50-FMB32-100	32	100	78	24	M16	14
BBT50-FMB22-160	22	160	48	19	M10	10
BBT50-FMB27-160	27	160	58	21	M12	12
BBT50-FMB32-160	32	160	78	24	M16	14

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国面铣刀柄标配圆头螺钉 (图 1), 其他国家标配十字花螺钉 (图 2).

Face Mill Holder

面铣刀柄



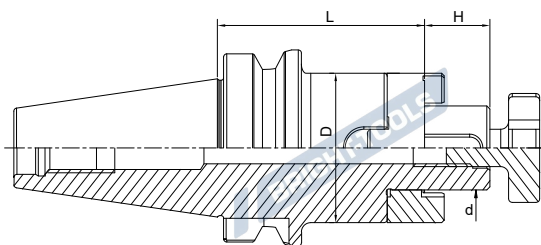
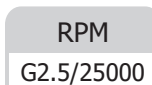
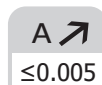
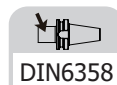
Size	d	L	D	D1	H	M	m	W
BBT40-FMB40-50	40	50	88	66.7	27	M20	M12	16
BBT40-FMB40-100	40	100	88	66.7	27	M20	M12	16
BBT50-FMB40-50	40	50	88	66.7	27	M20	M12	16
BBT50-FMB40-100	40	100	88	66.7	27	M20	M12	16

FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.

FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 (图 1) , 其他国家标配十字花螺钉 (图 2).

Combi Shell Mill Holder

混合插入式铣刀柄



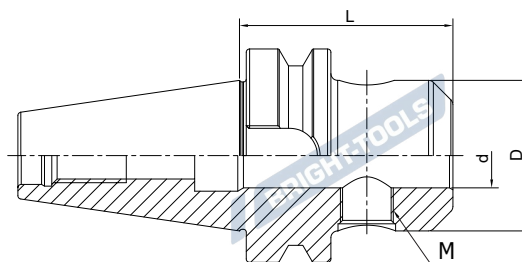
Size	d	D	H	L
BBT40-SEMC16-55	16	32	17	55
BBT40-SEMC22-55	22	40	19	55
BBT40-SEMC27-55	27	48	21	55
BBT40-SEMC32-60	32	58	24	60
BBT40-SEMC40-60	40	70	27	60
BBT40-SEMC16-100	16	32	17	100
BBT40-SEMC22-100	22	40	19	100
BBT40-SEMC27-100	27	48	21	100
BBT40-SEMC32-100	32	58	24	100
BBT40-SEMC40-100	40	70	27	100
BBT40-SEMC16-160	16	32	17	160
BBT40-SEMC22-160	22	40	19	160
BBT40-SEMC27-160	27	48	21	160
BBT40-SEMC32-160	32	58	24	160
BBT40-SEMC40-160	40	70	27	160
BBT50-SEMC16-70	16	32	17	70
BBT50-SEMC22-70	22	40	19	70
BBT50-SEMC27-70	27	48	21	70
BBT50-SEMC32-70	32	58	24	70
BBT50-SEMC40-70	40	70	27	70
BBT50-SEMC16-100	16	32	17	100
BBT50-SEMC22-100	22	40	19	100
BBT50-SEMC27-100	27	48	21	100
BBT50-SEMC32-100	32	58	24	100
BBT50-SEMC40-100	40	70	27	100
BBT50-SEMC16-160	16	32	17	160
BBT50-SEMC22-160	22	40	19	160
BBT50-SEMC27-160	27	48	21	160
BBT50-SEMC32-160	32	58	24	160
BBT50-SEMC40-160	40	70	27	160

End Mill Holder Weldon

侧固刀柄



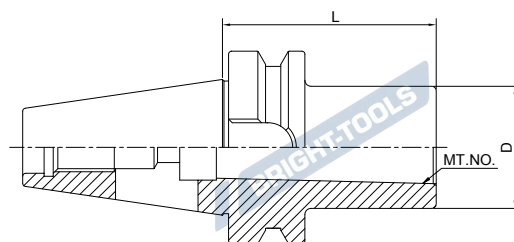
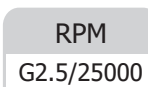
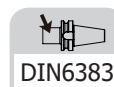
			
DIN6359/1835B	A $\nearrow$ ≤ 0.005	RPM G2.5/25000	AD



Size	d	D	L	M	Screw Quantity
BBT40-SLA06-50	6	25	50	M6	1
BBT40-SLA08-50	8	28	50	M8	1
BBT40-SLA10-63	10	35	63	M10	1
BBT40-SLA12-63	12	42	63	M12	1
BBT40-SLA14-63	14	44	63	M12	1
BBT40-SLA16-63	16	48	63	M14	1
BBT40-SLA18-63	18	50	63	M14	1
BBT40-SLA20-63	20	52	63	M16	1
BBT40-SLA25-90	25	65	90	M18*2	2
BBT40-SLA32-100	32	72	100	M20*2	2
BBT40-SLA40-120	40	80	120	M20*2	2
BBT40-SLA06-100	6	25	100	M6	1
BBT40-SLA08-100	8	28	100	M8	1
BBT40-SLA10-100	10	35	100	M10	1
BBT40-SLA12-100	12	42	100	M12	1
BBT40-SLA14-100	14	44	100	M12	1
BBT40-SLA16-100	16	48	100	M14	1
BBT40-SLA18-100	18	50	100	M14	1
BBT40-SLA20-100	20	52	100	M16	1
BBT50-SLA06-63	6	25	63	M6	1
BBT50-SLA08-63	8	28	63	M8	1
BBT50-SLA10-63	10	35	63	M10	1
BBT50-SLA12-80	12	42	80	M12	1
BBT50-SLA14-80	14	44	80	M12	1
BBT50-SLA16-80	16	48	80	M14	1
BBT50-SLA18-80	18	50	80	M14	1
BBT50-SLA20-80	20	52	80	M16	1
BBT50-SLA25-100	25	65	100	M18*2	2
BBT50-SLA32-105	32	72	105	M20*2	2
BBT50-SLA40-110	40	80	110	M20*2	2
BBT50-SLA50-125	50	98	125	M24*2	2

Morse Taper Adapter with Tang

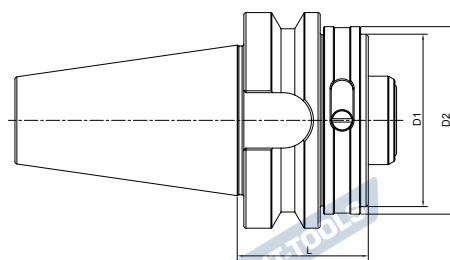
带扁尾莫氏刀柄



Size	MT.NO.	D	L
BBT40-MTA1-50	1	25	50
BBT40-MTA2-50	2	32	50
BBT40-MTA3-70	3	40	70
BBT40-MTA4-95	4	48	95
BBT50-MTA1-45	1	25	45
BBT50-MTA2-60	2	32	60
BBT50-MTA3-65	3	40	65
BBT50-MTA4-95	4	48	95

Tool Holder Adapter Sleeve

转换刀柄

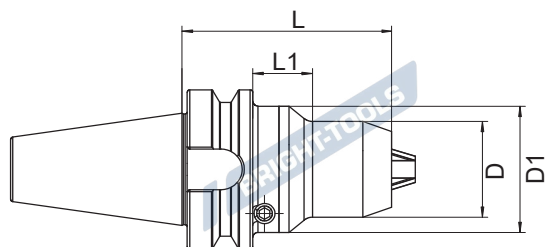


Size	D1	D2	L
BBT40-HSK63C-70	63	70	70
BBT50-HSK63C-60	63	70	60
BBT50-HSK100C-90	100	110	90

Precision Drill Chuck Holder

精密钻夹头刀柄

A ↗ ≤0.03	RPM G2.5/25000	AD
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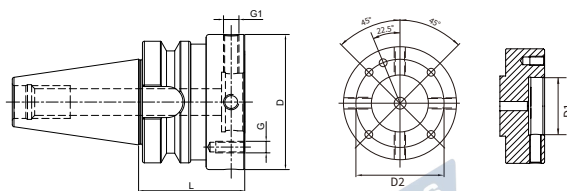


Size	D	D1	L	L1	Capacity
BBT40-CPU10-80	38	50	80	21	1-10
BBT40-CPU13-90	50	-	90	-	1-13
BBT40-CPU16-90	50	-	90	-	1-16
BBT50-CPU13-100	50	-	100	-	1-13
BBT50-CPU16-100	50	-	100	-	1-16

Runout Adjustable Flange Adapter

可调节精度法兰刀柄

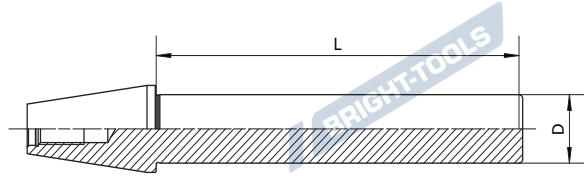
A ↗ ≤0.002	RPM G2.5/25000	AD
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Size	D	D1	D2	L	G	G1
BBT40-MOD060-050	60	30	44	50	M5	M8x1
BBT40-MOD070-050	70	35	53	50	M6	M8x1
BBT40-MOD080-050	80	40	63	50	M6	M8x1
BBT40-MOD100-070	100	50	79	70	M8	M10x1
BBT50-MOD060-070	60	30	44	70	M5	M8x1
BBT50-MOD070-070	70	35	53	70	M6	M8x1
BBT50-MOD080-070	80	40	63	70	M6	M8x1
BBT50-MOD100-070	100	50	79	70	M8	M10x1
BBT50-MOD117-080	117	60	96	80	M8	M10x1
BBT50-MOD140-080	140	80	119	80	M10	M10x1

Test Arbor 主轴检测棒

A ↗
≤0.002



Size	D	L
BBT30-32-300	32	300
BBT40-40-300	40	300
BBT50-50-300	50	300

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS