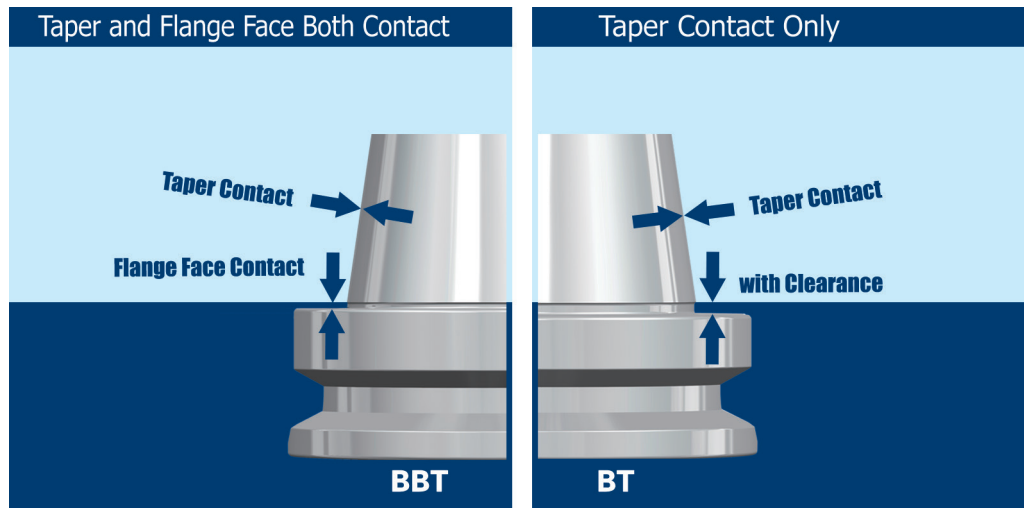


BBT

TOOL HOLDERS

BBT DualDrive (Double Contact) Tool Holders

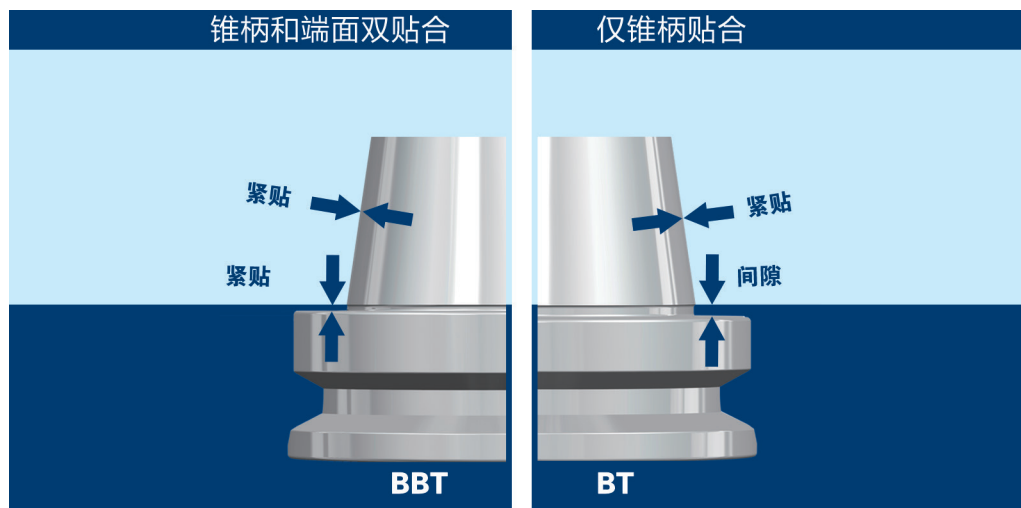


BBT Advantages:

- * 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：

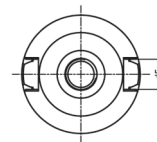
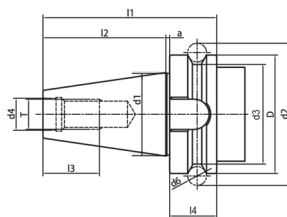
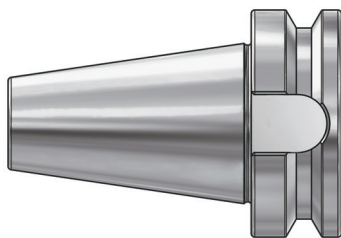
- * 高速加工时提高刀柄稳定性；
- * 提高工件表面光洁度；
- * 提高加工精度；
- * 提高 ATC 的重复精度；
- * 提高镗孔加工圆度；
- * 增加刀具使用寿命。

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

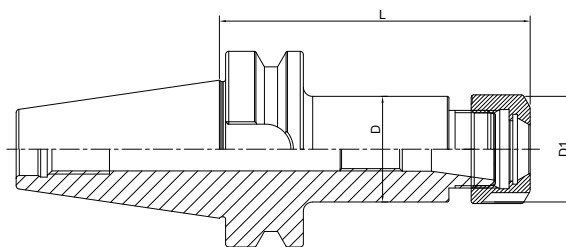
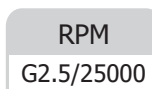
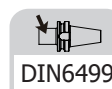
BBT 工具系统

ER Collet Chuck.....	C.40
ER 弹簧夹头刀柄.....	C.40
Power Milling Chuck	C.42
强力铣刀柄.....	C.42
SKS Collet Chuck.....	C.43
SKS 高速筒夹刀柄.....	C.43
Face Mill Holder.....	C.44
面铣刀柄	C.44
Combi Shell Mill Holder.....	C.46
混合插入式铣刀柄.....	C.46
End Mill Holder.....	C.47
侧固刀柄.....	C.47
Morse Taper Adapter.....	C.48
带扁尾莫氏刀柄.....	C.48
Tool Holder Adapter Sleeve	C.48
转换刀柄.....	C.48
Precision Drill Chuck Holder.....	C.49
精密钻夹头刀柄.....	C.49
Runout Adjustable Flange Adapter	C.49
可调节精度法兰刀柄.....	C.49
Test Arbor.....	C.50
主轴检测棒.....	C.50



ER Collet Chuck with UM Nut

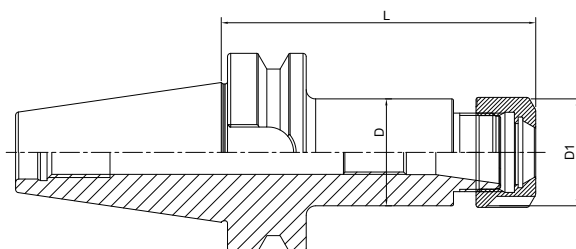
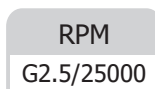
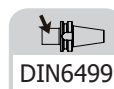
ER 弹簧夹头刀柄



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

ER Collet Chuck with Hex Nut

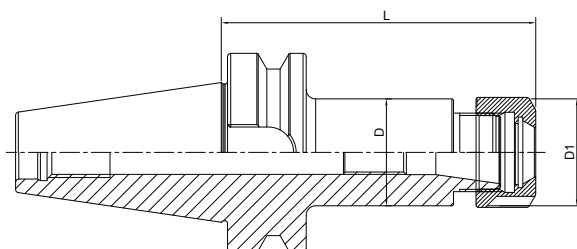
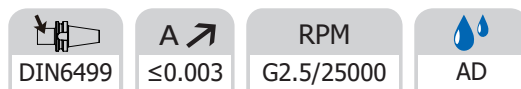
ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
BBT40-ER16-70	28	28	70	1-10
BBT40-ER20-70	34	34	70	1-13
BBT40-ER16-100	28	28	100	1-10
BBT40-ER20-100	34	34	100	1-13
BBT40-ER16-160	28	28	160	1-10
BBT40-ER20-160	34	34	160	1-13
BBT50-ER16-70	28	28	70	1-10
BBT50-ER20-70	34	34	70	1-13
BBT50-ER16-100	28	28	100	1-10
BBT50-ER20-100	34	34	100	1-13
BBT50-ER16-160	28	28	160	1-10
BBT50-ER20-160	34	34	160	1-13

ER Collet Chuck with Mini Nut

ER 弹簧夹头刀柄



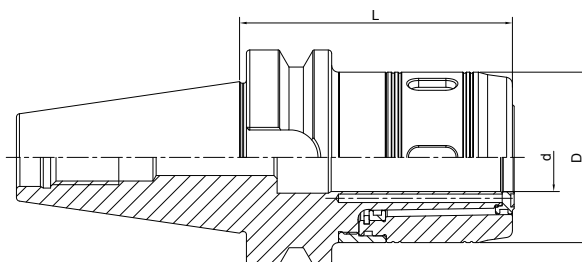
Size	D	D1	L	Capacity
BBT40-ER11M-70	16	16	70	1-7
BBT40-ER16M-70	22	22	70	1-10
BBT40-ER20M-70	28	28	70	1-13
BBT40-ER25M-70	35	35	70	2-16
BBT40-ER11M-100	16	16	100	1-7
BBT40-ER16M-100	22	22	100	1-10
BBT40-ER20M-100	28	28	100	1-13
BBT40-ER25M-100	35	35	100	2-16
BBT40-ER11M-160T	16	16	160	1-7
BBT40-ER16M-160T	22	22	160	1-10
BBT40-ER20M-160	28	28	160	1-13
BBT40-ER25M-160	35	35	160	2-16

T refers to cutter side with taper design

T 代表刀具端锥柄设计

Power Milling Chuck

强力铣刀柄

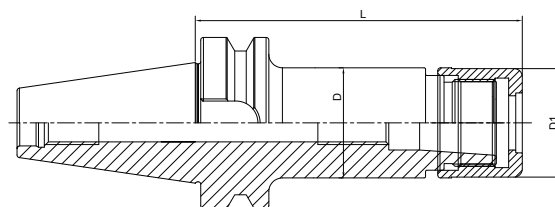


Size	d	D	L	Capacity
BBT40-HC20-90	20	50	90	3-16; 20
BBT40-HC25-100	25	59	100	3-20; 25
BBT40-HC32-105	32	72	105	3-25; 32
BBT50-HC20-105	20	50	105	3-16; 20
BBT50-HC25-105	25	59	105	3-20; 25
BBT50-HC32-110	32	72	110	3-25; 32

High Speed SKS Collet Chuck

SKS 高速筒夹刀柄

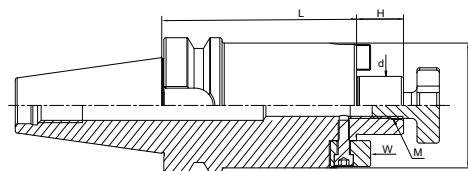
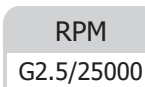
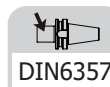
A ↗ ≤0.003	RPM G2.5/25000	AD
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Size	D	D1	L	Capacity	M
BBT40-SKS10-90	27.5	27.1	90	2-10	M21.5*1
BBT40-SKS16-90	40.6	40	90	3-16	M32*1.5
BBT40-SKS20-90	48.5	48	90	2-20	M40*1
BBT40-SKS25-90	55.6	55	90	6-25	M45*1.5
BBT40-SKS10-120	27.5	27.1	120	2-10	M21.5*1
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	55.6	55	120	6-25	M45*1.5

Face Mill Holder

面铣刀柄

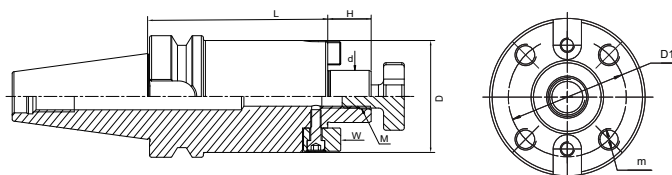
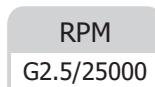
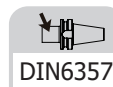


Size	d	L	D	H	M
BBT40-FMB16-40	16	40	38	17	M8
BBT40-FMB22-40	22	40	48	19	M10
BBT40-FMB27-40	27	40	58	21	M12
BBT40-FMB32-50	32	50	78	24	M16
BBT40-FMB22-60	22	60	48	19	M10
BBT40-FMB27-60	27	60	58	21	M12
BBT40-FMB32-60	32	60	78	24	M16
BBT40-FMB16-100	16	100	38	17	M8
BBT40-FMB22-100	22	100	48	19	M10
BBT40-FMB27-100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

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



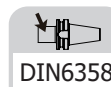
Size	d	L	D	D1	H	M	m
BBT40-FMB40-50	40	50	88	66.7	27	M20	M12
BBT40-FMB40-100	40	100	88	66.7	27	M20	M12
BBT50-FMB40-50	40	50	88	66.7	27	M20	M12
BBT50-FMB40-100	40	100	88	66.7	27	M20	M12

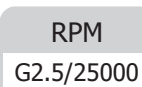
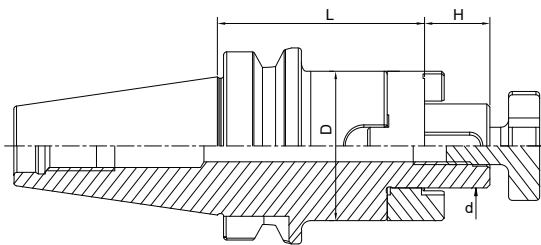
FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.

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



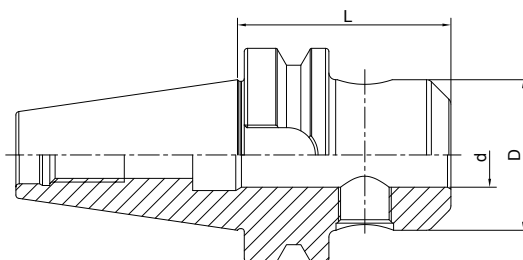
Size	d	D	H	L
BBT40-SEMC16-55	16	32	17	55
BBT40-SEMC22-55	22	40	19	55
BBT40-SEMC27-55	27	48	21	55
BBT40-SEMC32-60	32	58	24	60
BBT40-SEMC40-60	40	70	27	60
BBT40-SEMC16-100	16	32	17	100
BBT40-SEMC22-100	22	40	19	100
BBT40-SEMC27-100	27	48	21	100
BBT40-SEMC32-100	32	58	24	100
BBT40-SEMC40-100	40	70	27	100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



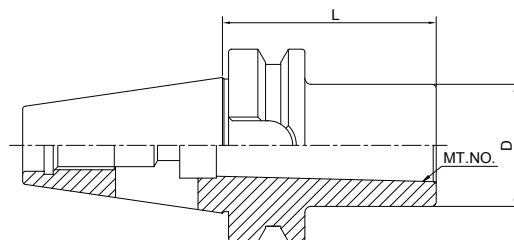
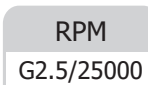
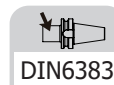
			
DIN6359/1835B	≤ 0.005	G2.5/25000	AD



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

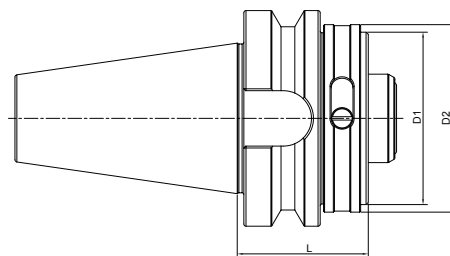
带扁尾莫氏刀柄



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

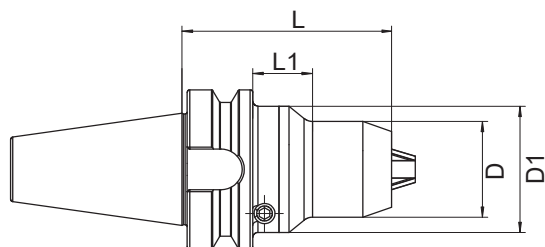


Size	D1	D2	L
BBT40-HSK63C-70	63	70	70
BBT50-HSK63C-60	63	70	60
BBT50-HSK100C-90	100	110	90

Precision Drill Chuck Holder

精密钻夹头刀柄

$A \nearrow$ ≤ 0.03	RPM G2.5/25000	 AD
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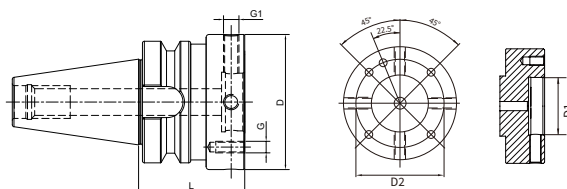


Size	D	D1	L	L1	Capacity
BBT40-CPU10-80	38	50	80	21	1-10
BBT40-CPU13-90	50	-	90	-	1-13
BBT40-CPU16-90	50	-	90	-	1-16
BBT50-CPU13-100	50	-	100	-	1-13
BBT50-CPU16-100	50	-	100	-	1-16

Runout Adjustable Flange Adapter

可调节精度法兰刀柄

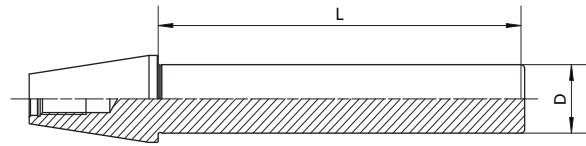
$A \nearrow$ ≤ 0.002	RPM G2.5/25000	 AD
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Size	D	D1	D2	L	G	G1
BBT40-MOD060-050	60	30	44	50	M5	M8x1
BBT40-MOD070-050	70	35	53	50	M6	M8x1
BBT40-MOD080-050	80	40	63	50	M6	M8x1
BBT40-MOD100-070	100	50	79	70	M8	M10x1
BBT50-MOD060-070	60	30	44	70	M5	M8x1
BBT50-MOD070-070	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

BBT