

2023 VERSION



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**BRIGHT-TOOLS**



**山东金杰机械有限公司**  
SHANDING JINJIE MACHINERY CO.,LTD

**TOOLING SYSTEM**



企业展示

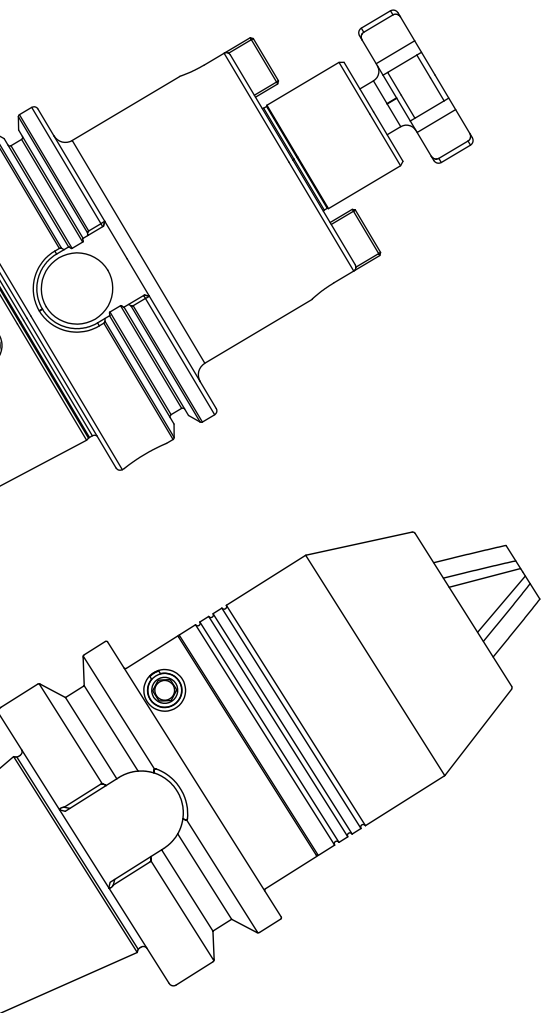
Enterprise display





山东金杰机械有限公司  
SHANDONG JINJIE MACHINERY CO.,LTD





JIS B 6339 (MAS 403 BT/BBT).....003-025  
BT 工具系统

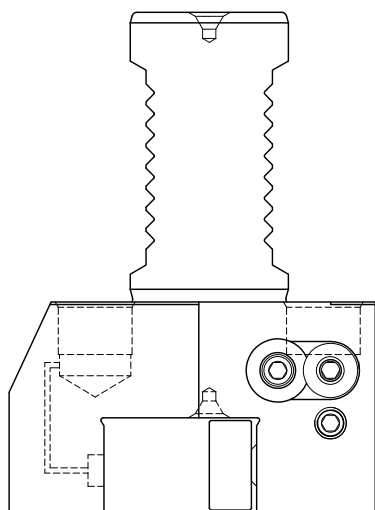
DIN 69871 SK / DSK.....003-025  
SK 工具系统

ANSI B5.50 CAT/SCAT.....003-025  
CAT 工具系统

DIN 69893 (ISO 12164) HSK.....003-025  
HSK 工具系统

DIN 2080 NT.....003-025  
NT 工具系统

GOST 25827-93.....003-025  
GOST 工具系统

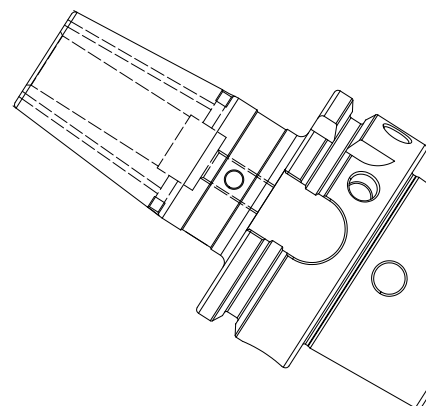


DIN 69880 VDI.....003-025  
VDI 工具系统

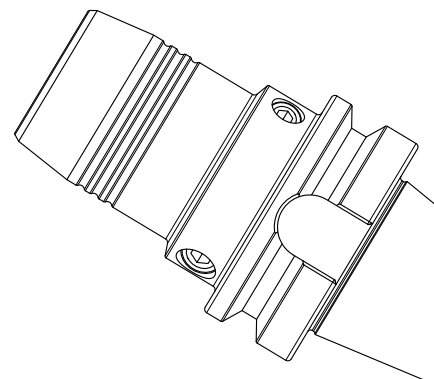
BMT.....003-025  
BMT 工具系统

DRIVEN TOOLS.....003-025  
DRIVEN 工具系统

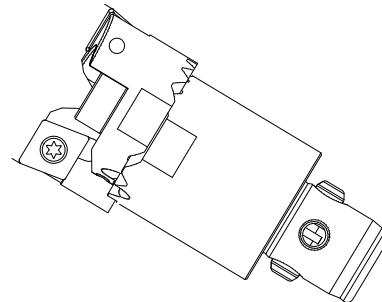
SHRINK FIT.....003-025  
热缩刀柄



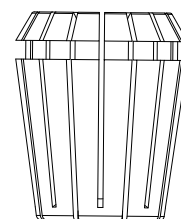
HYDRAULIC.....003-025  
液压刀柄



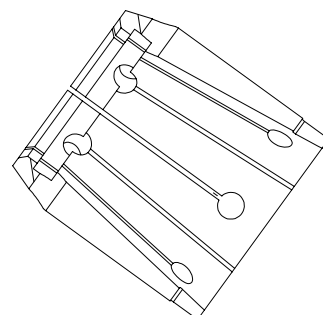
BORING.....003-025  
镗刀系统



ACCESSORY.....003-025  
附件



SPECIAL.....003-025  
非标定制





JIS B 6339 (MAS 403 BT/BBT).....003-025  
BT 工具系统

DIN 69871 SK / DSK.....003-025  
SK 工具系统

ANSI B5.50 CAT/SCAT.....003-025  
CAT 工具系统

DIN 69893 (ISO 12164) HSK.....003-025  
HSK 工具系统

DIN 2080 NT.....003-025  
NT 工具系统

GOST 25827-93.....003-025  
GOST 工具系统



DIN 69880 VDI.....003-025  
VDI 工具系统

BMT.....003-025  
BMT 工具系统

DRIVEN TOOLS.....003-025  
DRIVEN 工具系统



SHRINK FIT.....003-025  
热缩刀柄



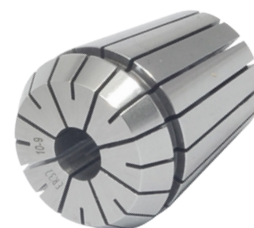
HYDRAULIC.....003-025  
液压刀柄



BORING.....003-025  
镗刀系统



ACCESSORY.....003-025  
附件



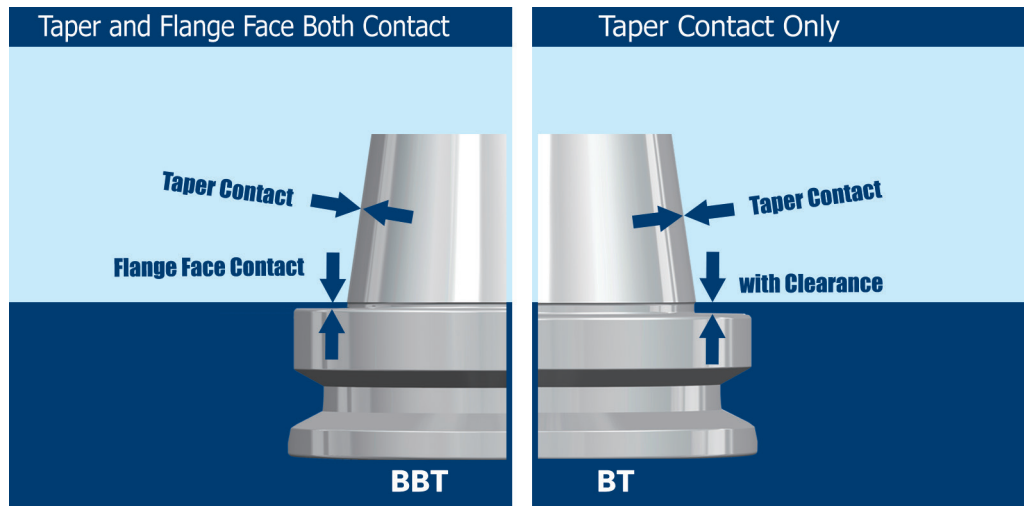
SPECIAL.....003-025  
非标定制



# **BBT BT**

## **TOOL HOLDERS**

## BBT DualDrive (Double Contact) Tool Holders

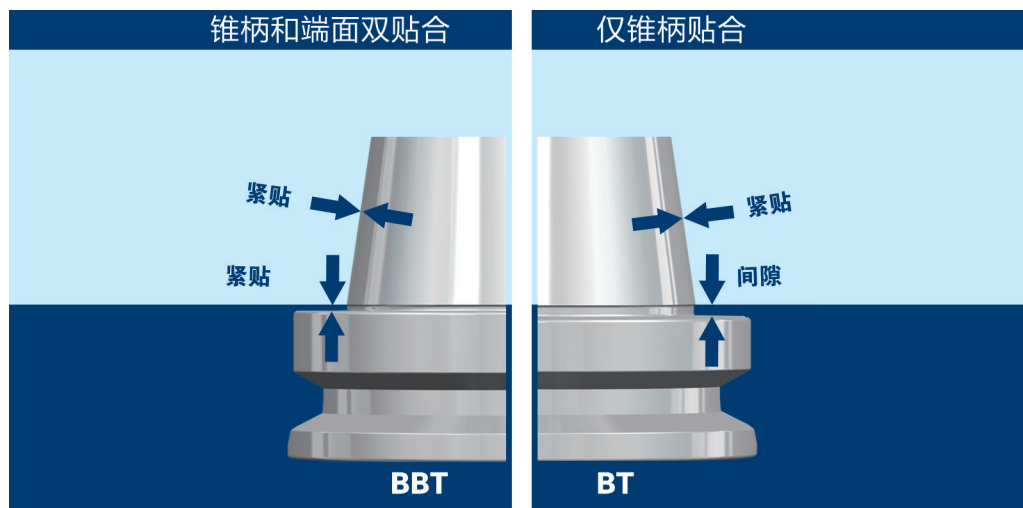


### BBT Advantages:

- \* 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 CHANGE BT SIZES TO BBT ACCORDINGLY.  
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。

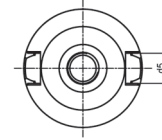
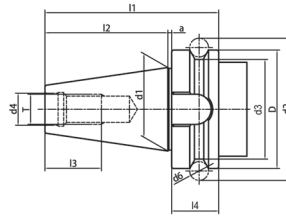
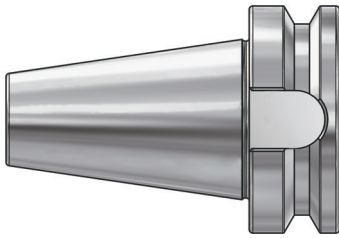
订购说明：

请把 BT 刀柄型号里的 BT 改为 BBT 即可；

为了更好的使用效果，请订购带 BBT 主轴的加工中心。

## BT Taper Standard

### BT 锥柄标准



| Size | D   | d1    | d2      | d3 | d4   | d5   | d6 | l1    | l2    | l3 | l4 | d | T        |
|------|-----|-------|---------|----|------|------|----|-------|-------|----|----|---|----------|
| BT30 | 46  | 31.75 | 56.144  | 38 | 12.5 | 16.1 | 8  | 70.4  | 48.4  | 24 | 20 | 2 | M12*1.75 |
| BT40 | 63  | 44.45 | 75.679  | 53 | 17   | 16.  | 10 | 92.4  | 65.4  | 30 | 25 | 2 | M16*2.0  |
| BT50 | 100 | 69.85 | 119.019 | 85 | 25   | 25.7 | 15 | 139.8 | 101.8 | 45 | 35 | 3 | 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<0.005mm

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

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



## BT &amp; BBT TOOLING SYSTEM

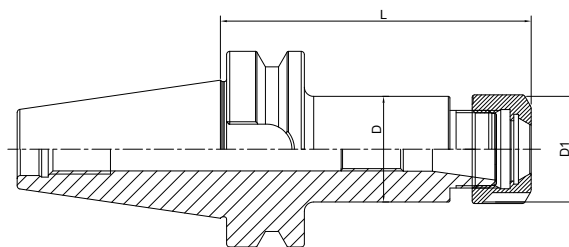
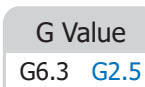
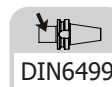
## BT 工具系统

|                                        |      |
|----------------------------------------|------|
| ER Collet Chuck.....                   | A.06 |
| ER 弹簧夹头刀柄.....                         | A.06 |
| GER Collet Chuck .....                 | A.10 |
| GER 弹簧夹头刀柄.....                        | A.10 |
| Power Milling Chuck .....              | A.11 |
| 强力铣刀柄 .....                            | A.11 |
| OZ Collet Chuck.....                   | A.13 |
| OZ 夹头刀柄.....                           | A.12 |
| SKS Collet Chuck.....                  | A.14 |
| SKS 高速筒夹刀柄.....                        | A.14 |
| TG Collet Chuck .....                  | A.15 |
| TG 超强力刀柄 .....                         | A.15 |
| Precision Screw Collet Chuck .....     | A.16 |
| NDC 后拉刀柄.....                          | A.16 |
| Face Mill Holder.....                  | A.18 |
| 面铣刀柄.....                              | A.18 |
| Combi Shell Mill Holder.....           | A.21 |
| 混合插入式铣刀柄.....                          | A.21 |
| Side Cutter Arbor .....                | A.23 |
| 侧铣刀柄.....                              | A.23 |
| End Mill Holder.....                   | A.25 |
| 侧固刀柄.....                              | A.25 |
| Morse Taper Adapter.....               | A.30 |
| 带扁尾莫氏刀柄.....                           | A.30 |
| Morse Taper Adapter.....               | A.31 |
| 带螺纹孔莫氏刀柄 .....                         | A.31 |
| Tool Holder Adapter Sleeve .....       | A.32 |
| 转换刀柄.....                              | A.32 |
| Drill Chuck Adapter.....               | A.34 |
| 钻接杆 .....                              | A.34 |
| APU Drill Chuck Holder .....           | A.35 |
| APU 钻夹头刀柄.....                         | A.35 |
| Precision Drill Chuck Holder.....      | A.36 |
| 精密钻夹头刀柄 .....                          | A.36 |
| Quick Change Tapping Chuck.....        | A.37 |
| 弹性快换攻丝刀柄 .....                         | A.37 |
| Screw-in Milling Cutter Holder.....    | A.38 |
| SOM 锁牙刀柄.....                          | A.38 |
| Runout Adjustable Flange Adapter ..... | A.41 |
| 可调节精度法兰刀柄 .....                        | A.41 |
| UM Adjustable.....                     | A.42 |
| UM调零刀柄 .....                           | A.42 |
| Boring Bar Blank.....                  | A.43 |
| 基础柄 .....                              | A.43 |
| Test Arbor.....                        | A.44 |
| 主轴检测棒.....                             | A.44 |
| Alignment Tool for ATC Arm .....       | A.45 |
| 调整机械手用组合模具.....                        | A.45 |



## ER Collet Chuck with UM Nut

### ER 弹簧夹头刀柄

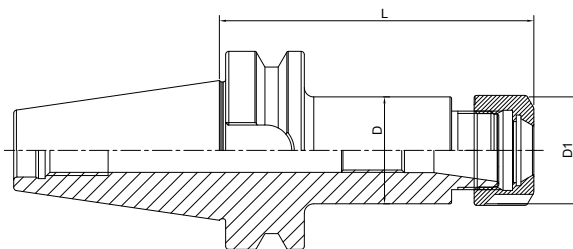
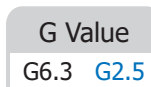
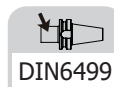


| Size            | D  | D1 | L   | Capacity |
|-----------------|----|----|-----|----------|
| BT30-ER16UM-70  | 28 | 32 | 70  | 1-10     |
| BT30-ER20UM-70  | 34 | 35 | 70  | 1-13     |
| BT30-ER25-70    | 42 | 42 | 70  | 2-16     |
| BT30-ER32-70    | 40 | 50 | 70  | 2-20     |
| BT30-ER40-70    | 50 | 63 | 70  | 3-26     |
| BT30-ER16UM-100 | 28 | 32 | 100 | 1-10     |
| BT30-ER20UM-100 | 34 | 35 | 100 | 1-13     |
| BT30-ER25-100   | 42 | 42 | 100 | 2-16     |
| BT30-ER32-100   | 40 | 50 | 100 | 2-20     |
| BT40-ER16UM-70  | 28 | 32 | 70  | 1-10     |
| BT40-ER20UM-70  | 34 | 35 | 70  | 1-13     |
| BT40-ER25-70    | 42 | 42 | 70  | 2-16     |
| BT40-ER32-70    | 50 | 50 | 70  | 2-20     |
| BT40-ER40-80    | 50 | 63 | 80  | 3-26     |
| BT40-ER16UM-100 | 28 | 32 | 100 | 1-10     |
| BT40-ER20UM-100 | 34 | 35 | 100 | 1-13     |
| BT40-ER25-100   | 42 | 42 | 100 | 2-16     |
| BT40-ER32-100   | 50 | 50 | 100 | 2-20     |
| BT40-ER40-100   | 50 | 63 | 100 | 3-26     |
| BT40-ER16UM-160 | 28 | 32 | 160 | 1-10     |
| BT40-ER20UM-160 | 34 | 35 | 160 | 1-13     |
| BT40-ER25-160   | 42 | 42 | 160 | 2-16     |
| BT40-ER32-160   | 50 | 50 | 160 | 2-20     |
| BT40-ER40-160   | 50 | 63 | 160 | 3-26     |
| BT40-ER16UM-200 | 28 | 32 | 200 | 1-10     |
| BT40-ER20UM-200 | 34 | 35 | 200 | 1-13     |
| BT40-ER25-200   | 42 | 42 | 200 | 2-16     |
| BT40-ER32-200   | 50 | 50 | 200 | 2-20     |
| BT40-ER40-200   | 50 | 63 | 200 | 3-26     |



## ER Collet Chuck with UM Nut

### ER 弹簧夹头刀柄

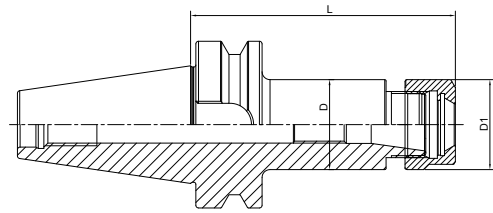
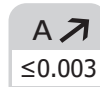


| Size            | D  | D1 | L   | Capacity |
|-----------------|----|----|-----|----------|
| BT50-ER16UM-70  | 28 | 32 | 70  | 1-10     |
| BT50-ER20UM-70  | 34 | 35 | 70  | 1-13     |
| BT50-ER25-70    | 42 | 42 | 70  | 2-16     |
| BT50-ER32-70    | 40 | 50 | 70  | 2-20     |
| BT50-ER40-80    | 63 | 63 | 80  | 3-26     |
| BT50-ER50-100   | 64 | 78 | 100 | 6-34     |
|                 |    |    |     |          |
| BT50-ER16UM-100 | 28 | 32 | 100 | 1-10     |
| BT50-ER20UM-100 | 34 | 35 | 100 | 1-13     |
| BT50-ER25-100   | 42 | 42 | 100 | 2-16     |
| BT50-ER32-100   | 50 | 50 | 100 | 2-20     |
| BT50-ER40-100   | 63 | 63 | 100 | 3-26     |
|                 |    |    |     |          |
| BT50-ER16UM-160 | 28 | 32 | 160 | 1-10     |
| BT50-ER20UM-160 | 34 | 35 | 160 | 1-13     |
| BT50-ER25-160   | 42 | 42 | 160 | 2-16     |
| BT50-ER32-160   | 50 | 50 | 160 | 2-20     |
| BT50-ER40-160   | 63 | 63 | 160 | 3-26     |
|                 |    |    |     |          |
| BT50-ER16UM-200 | 28 | 32 | 200 | 1-10     |
| BT50-ER20UM-200 | 34 | 35 | 200 | 1-13     |
| BT50-ER25-200   | 42 | 42 | 200 | 2-16     |
| BT50-ER32-200   | 50 | 50 | 200 | 2-20     |
| BT50-ER40-200   | 63 | 63 | 200 | 3-26     |
|                 |    |    |     |          |
| BT50-ER25-250   | 42 | 42 | 250 | 2-16     |
| BT50-ER32-250   | 50 | 50 | 250 | 2-20     |
| BT50-ER40-250   | 63 | 63 | 250 | 3-26     |
|                 |    |    |     |          |
| BT50-ER25-300   | 42 | 42 | 300 | 2-16     |
| BT50-ER32-300   | 50 | 50 | 300 | 2-20     |
| BT50-ER40-300   | 63 | 63 | 300 | 3-26     |



## ER Collet Chuck with Hex Nut

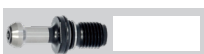
### ER 弹簧夹头刀柄



| Size            | D  | D1 | L   | Capacity |
|-----------------|----|----|-----|----------|
| BT30-ER16A-70   | 28 | 28 | 70  | 1-10     |
| BT30-ER20A-70   | 34 | 34 | 70  | 1-13     |
| BT30-ER16A-100  | 28 | 28 | 100 | 1-10     |
| BT30-ER20A-100  | 34 | 34 | 100 | 1-13     |
| BT40-ER16A-70   | 28 | 28 | 70  | 1-10     |
| BT40-ER20A-70   | 34 | 34 | 70  | 1-13     |
| BT40-ER16A-100  | 28 | 28 | 100 | 1-10     |
| BT40-ER20A-100  | 34 | 34 | 100 | 1-13     |
| BT40-ER16A-160  | 28 | 28 | 160 | 1-10     |
| BT40-ER20A-160  | 34 | 34 | 160 | 1-13     |
| BT40-ER16A-200T | 28 | 28 | 200 | 1-10     |
| BT40-ER20A-200  | 34 | 34 | 200 | 1-13     |
| BT50-ER16A-70   | 28 | 28 | 70  | 1-10     |
| BT50-ER20A-70   | 34 | 34 | 70  | 1-13     |
| BT50-ER16A-100  | 28 | 28 | 100 | 1-10     |
| BT50-ER20A-100  | 34 | 34 | 100 | 1-13     |
| BT50-ER16A-160  | 28 | 28 | 160 | 1-10     |
| BT50-ER20A-160  | 34 | 34 | 160 | 1-13     |
| BT50-ER16A-200T | 28 | 28 | 200 | 1-10     |
| BT50-ER20A-200  | 34 | 34 | 200 | 1-13     |

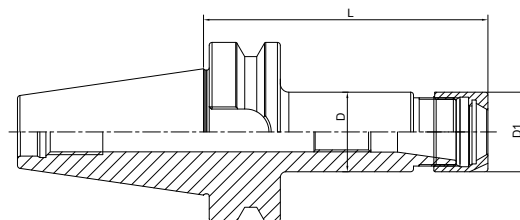
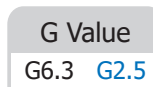
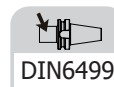
T refers to cutter side with taper design

T 代表刀具端锥柄设计



## ER Collet Chuck with Mini Nut

### ER 弹簧夹头刀柄



| Size            | D  | D1 | L   | Capacity |
|-----------------|----|----|-----|----------|
| BT30-ER11M-70   | 16 | 16 | 70  | 1-7      |
| BT30-ER16M-70   | 22 | 22 | 70  | 1-10     |
| BT40-ER11M-70   | 16 | 16 | 70  | 1-7      |
| BT40-ER16M-70   | 22 | 22 | 70  | 1-10     |
| BT40-ER20M-70   | 28 | 28 | 70  | 1-13     |
| BT40-ER25M-70   | 35 | 35 | 70  | 2-16     |
| BT40-ER11M-100  | 16 | 16 | 100 | 1-7      |
| BT40-ER16M-100  | 22 | 22 | 100 | 1-10     |
| BT40-ER20M-100  | 28 | 28 | 100 | 1-13     |
| BT40-ER25M-100  | 35 | 35 | 100 | 2-16     |
| BT40-ER11M-160T | 16 | 16 | 160 | 1-7      |
| BT40-ER16M-160T | 22 | 22 | 160 | 1-10     |
| BT40-ER20M-160  | 28 | 28 | 160 | 1-13     |
| BT40-ER25M-160  | 35 | 35 | 160 | 2-16     |
| BT50-ER16M-100  | 22 | 22 | 100 | 1-10     |
| BT50-ER20M-100  | 28 | 28 | 100 | 1-13     |
| BT50-ER25M-100  | 35 | 35 | 100 | 2-16     |
| BT50-ER16M-160T | 22 | 22 | 160 | 1-10     |
| BT50-ER20M-160  | 28 | 28 | 160 | 1-13     |
| BT50-ER25M-160  | 35 | 35 | 160 | 2-16     |

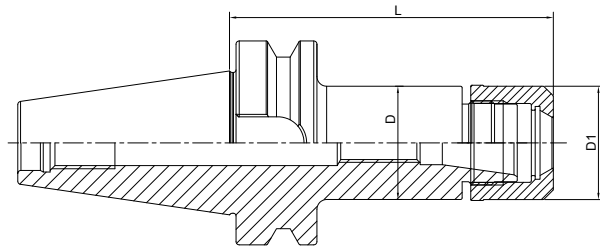
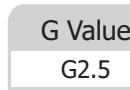
T refers to cutter side with taper design

T 代表刀具端锥柄设计



## ER Collet Chuck with GER Nut

### ER 弹簧夹头刀柄



| Size           | D  | D1 | L   | Capacity |
|----------------|----|----|-----|----------|
| BT30-GER16-70  | 30 | 30 | 70  | 1-10     |
| BT30-GER20-70  | 35 | 35 | 70  | 1-13     |
| BT30-GER25-70  | 40 | 40 | 70  | 2-16     |
| BT30-GER32-70  | 48 | 48 | 70  | 2-20     |
| BT40-GER16-70  | 30 | 30 | 70  | 1-10     |
| BT40-GER20-70  | 35 | 35 | 70  | 1-13     |
| BT40-GER25-70  | 40 | 40 | 70  | 2-16     |
| BT40-GER32-70  | 48 | 48 | 70  | 2-20     |
| BT40-GER16-100 | 30 | 30 | 100 | 1-10     |
| BT40-GER20-100 | 35 | 35 | 100 | 1-13     |
| BT40-GER25-100 | 40 | 40 | 100 | 2-16     |
| BT40-GER32-100 | 48 | 48 | 100 | 2-20     |
| BT50-GER16-100 | 30 | 30 | 100 | 1-10     |
| BT50-GER20-100 | 35 | 35 | 100 | 1-13     |
| BT50-GER25-100 | 40 | 40 | 100 | 2-16     |
| BT50-GER32-100 | 48 | 48 | 100 | 2-20     |



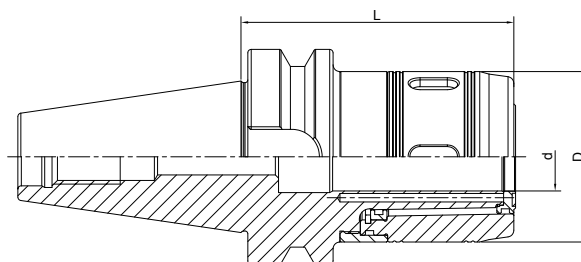


## Power Milling Chuck

### 强力铣刀柄



|               |                 |    |
|---------------|-----------------|----|
| A ↗<br>≤0.008 | G Value<br>G6.3 | AD |
|---------------|-----------------|----|

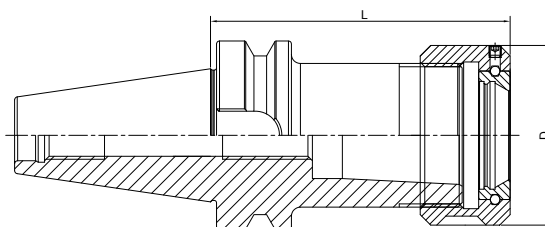
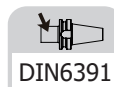


| Size          | d  | D  | L   | Capacity |
|---------------|----|----|-----|----------|
| BT30-HC20-80  | 20 | 50 | 80  | 3-16; 20 |
| BT30-HC25-90  | 25 | 59 | 90  | 3-20; 25 |
| BT30-HC32-110 | 32 | 72 | 110 | 3-25; 32 |
| BT40-HC20-90  | 20 | 50 | 90  | 3-16; 20 |
| BT40-HC25-100 | 25 | 59 | 100 | 3-20; 25 |
| BT40-HC32-90  | 32 | 72 | 90  | 3-25; 32 |
| BT40-HC32-105 | 32 | 72 | 105 | 3-25; 32 |
| BT40-HC32-165 | 32 | 72 | 165 | 3-25; 32 |
| BT40-HC42-130 | 42 | 99 | 130 | 3-32; 42 |
| BT50-HC20-105 | 20 | 50 | 105 | 3-16; 20 |
| BT50-HC25-105 | 25 | 59 | 105 | 3-20; 25 |
| BT50-HC32-110 | 32 | 72 | 110 | 3-25; 32 |
| BT50-HC42-110 | 42 | 99 | 110 | 3-32; 42 |
| BT50-HC32-165 | 32 | 72 | 165 | 3-25; 32 |
| BT50-HC32-200 | 32 | 72 | 200 | 3-25; 32 |
| BT50-HC32-250 | 32 | 72 | 250 | 3-25; 32 |
| BT50-HC32-300 | 32 | 72 | 300 | 3-25; 32 |



## OZ Collet Chuck

### OZ 夹头刀柄



| Size         | D  | L  | Capacity |
|--------------|----|----|----------|
| BT30-OZ16-70 | 43 | 70 | 3-16     |
| BT30-OZ25-80 | 60 | 80 | 3-25     |
| BT40-OZ16-70 | 43 | 70 | 3-16     |
| BT40-OZ25-70 | 60 | 70 | 3-25     |
| BT40-OZ32-80 | 72 | 80 | 6-32     |
| BT50-OZ25-85 | 60 | 85 | 3-25     |
| BT50-OZ32-90 | 72 | 90 | 6-32     |



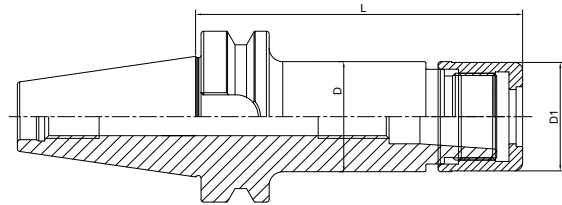
## High Speed SKS Collet Chuck

### SKS 高速筒夹刀柄

A ↗  
≤0.003

G Value  
G2.5

AD



| Size           | D    | L   | Capacity | D1   | M       |
|----------------|------|-----|----------|------|---------|
| BT30-SKS10-60  | 27.5 | 60  | 2-10     | 27.1 | M21.5*1 |
| BT30-SKS16-60  | 40.6 | 60  | 3-16     | 40   | M32*1.5 |
| BT30-SKS10-90  | 27.5 | 90  | 2-10     | 27.1 | M21.5*1 |
| BT30-SKS16-90  | 40.6 | 90  | 3-16     | 40   | M32*1.5 |
|                |      |     |          |      |         |
| BT40-SKS10-60  | 27.5 | 60  | 2-10     | 27.1 | M21.5*1 |
| BT40-SKS16-70  | 40.6 | 70  | 3-16     | 40   | M32*1.5 |
|                |      |     |          |      |         |
| BT40-SKS10-90  | 27.5 | 90  | 2-10     | 27.1 | M21.5*1 |
| BT40-SKS16-90  | 40.6 | 90  | 3-16     | 40   | M32*1.5 |
| BT40-SKS20-90  | 48.5 | 90  | 2-20     | 48   | M40*1   |
| BT40-SKS25-90  | 55.6 | 90  | 6-25     | 55   | M45*1.5 |
| BT40-SKS10-120 | 27.5 | 120 | 2-10     | 27.1 | M21.5*1 |
| BT40-SKS16-120 | 40.6 | 120 | 3-16     | 40   | M32*1.5 |
| BT40-SKS20-120 | 48.5 | 120 | 2-20     | 48   | M40*1   |
| BT40-SKS25-120 | 55.6 | 120 | 6-25     | 55   | M45*1.5 |
|                |      |     |          |      |         |
| BT50-SK10-100  | 27.5 | 100 | 2-10     | 27.1 | M21.5*1 |
| BT50-SK16-100  | 40.6 | 100 | 3-16     | 40   | M32*1.5 |
|                |      |     |          |      |         |
| BT50-SKS10-120 | 27.5 | 120 | 2-10     | 27.1 | M21.5*1 |
| BT50-SKS16-120 | 40.6 | 120 | 3-16     | 40   | M32*1.5 |
| BT50-SKS10-165 | 27.5 | 165 | 2-10     | 27.1 | M21.5*1 |
| BT50-SKS16-165 | 40.6 | 165 | 3-16     | 40   | M32*1.5 |



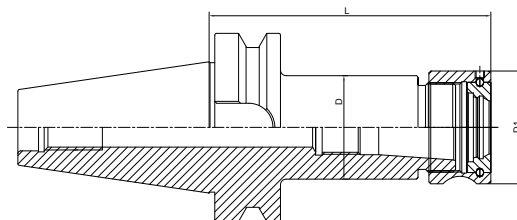
## TG Collet Chuck

### TG 超强力刀柄

A ↗  
≤0.005

G Value  
G6.3

AD



| Size           | D     | D1 | L   | Collet | Capacity |
|----------------|-------|----|-----|--------|----------|
| BT30-TG75-70   | 44.45 | 50 | 70  | TG 75  | 2-20     |
| BT30-TG75-100  | 44.45 | 50 | 100 | TG 75  | 2-20     |
| BT30-TG100-100 | 55    | 60 | 100 | TG 100 | 3-25     |
| BT40-TG75-70   | 44.45 | 50 | 70  | TG 75  | 2-20     |
| BT40-TG100-80  | 55    | 60 | 80  | TG 100 | 3-25     |
| BT40-TG100-100 | 55    | 60 | 100 | TG 100 | 3-25     |
| BT40-TG100-150 | 55    | 60 | 150 | TG 100 | 3-25     |
| BT50-TG100-90  | 55    | 60 | 90  | TG 100 | 3-25     |
| BT50-TG100-150 | 55    | 60 | 150 | TG 100 | 3-25     |



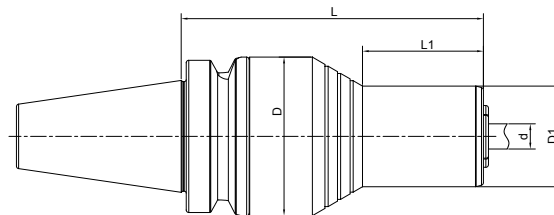


## Precision Screw Collet Chuck NDC 后拉刀柄

A ↗  
≤0.003

G Value  
G6.3

AD



| Size           | L   | L1 | D  | D1 | Capacity |
|----------------|-----|----|----|----|----------|
| BT30-NDC20-100 | 100 | 20 | 53 | 40 | 3-20     |
| BT40-NDC20-75  | 75  | 15 | 63 | 40 | 3-20     |
| BT40-NDC20-120 | 120 | 48 | 63 | 40 | 3-20     |
| BT40-NDC20-156 | 156 | 84 | 63 | 40 | 3-20     |
| BT40-NDC25-122 | 122 | -  | 63 | -  | 16-32    |
| BT40-NDC32-125 | 125 | -  | 63 | -  | 16-32    |
| BT50-NDC20-86  | 86  | 15 | 63 | 40 | 3-20     |
| BT50-NDC20-131 | 131 | 45 | 63 | 40 | 3-20     |
| BT50-NDC20-167 | 167 | 48 | 63 | 40 | 3-20     |
| BT50-NDC25-133 | 133 | -  | 70 | -  | 16-32    |
| BT50-NDC32-136 | 136 | -  | 70 | -  | 16-32    |



## Pull Back Collet Chuck

### DC 后拉刀柄

A ↗  
≤0.003

G Value  
G6.3

AD



| Size          | L   | D  | Capacity |
|---------------|-----|----|----------|
| BT30-DC06-60  | 60  | 14 | 1-6      |
| BT30-DC06-90  | 90  | 14 | 1-6      |
| BT30-DC06-120 | 120 | 14 | 1-6      |
| BT30-DC08-60  | 60  | 22 | 1-10     |
| BT30-DC08-90  | 90  | 22 | 1-10     |
| BT30-DC08-120 | 120 | 22 | 1-10     |
| BT30-DC12-80  | 80  | 34 | 1-12     |
| BT40-DC06-60  | 60  | 14 | 1-6      |
| BT40-DC06-90  | 90  | 14 | 1-6      |
| BT40-DC06-120 | 120 | 14 | 1-6      |
| BT40-DC06-150 | 150 | 14 | 1-6      |
| BT40-DC08-60  | 60  | 22 | 1-10     |
| BT40-DC08-90  | 90  | 22 | 1-10     |
| BT40-DC08-120 | 120 | 22 | 1-10     |
| BT40-DC08-150 | 150 | 22 | 1-10     |
| BT40-DC08-200 | 200 | 22 | 1-10     |
| BT40-DC12-90  | 90  | 34 | 1-12     |
| BT40-DC12-120 | 120 | 34 | 1-12     |
| BT40-DC12-150 | 150 | 34 | 1-12     |
| BT40-DC12-200 | 200 | 34 | 1-12     |
|               |     |    |          |
| BT50-DC06-120 | 120 | 14 | 1-6      |
| BT50-DC06-150 | 150 | 14 | 1-6      |
| BT50-DC08-120 | 120 | 22 | 1-10     |
| BT50-DC08-150 | 150 | 22 | 1-10     |
| BT50-DC08-200 | 200 | 22 | 1-10     |
| BT50-DC12-120 | 120 | 34 | 1-12     |
| BT50-DC12-150 | 150 | 34 | 1-12     |
| BT50-DC12-200 | 200 | 34 | 1-12     |

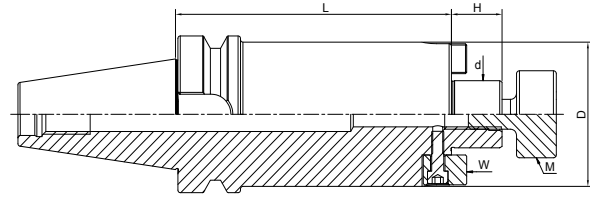


## Face Mill Holder Inch 英制面铣刀柄

**A** ↗  
 $\leq 0.005$

**G Value**  
 G6.3 **G2.5**

  
 AD **AD/B**

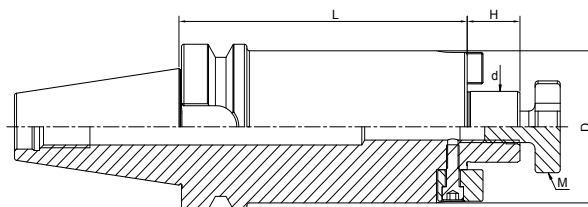
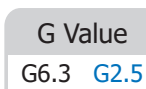
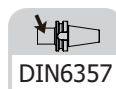


| Size               | d      | L   | D      | H      | M      | H      | W      | H     |
|--------------------|--------|-----|--------|--------|--------|--------|--------|-------|
| BT40-FMA3/4"-40    | 3/4"   | 40  | 42.926 | 3/8-24 | 7.93   | 3/8-24 | 9.525  | 17.45 |
| BT40-FMA1"-40      | 1"     | 40  | 55.626 | 1/2-20 | 9.525  | 1/2-20 | 9.525  | 17.45 |
| BT40-FMA1-1/4"-50  | 1-1/4" | 50  | 69.85  | 5/8-18 | 12.7   | 5/8-18 |        |       |
| BT40-FMA1-1/2"-50  | 1-1/2" | 50  | 78     | 3/4-16 | 15.875 | 3/4-16 | 9.525  | 17.45 |
| BT40-FMA3/4"-100   | 3/4"   | 100 | 42.926 | 3/8-24 | 7.93   | 3/8-24 | 9.525  | 17.45 |
| BT40-FMA1"-100     | 1"     | 100 | 55.626 | 1/2-20 | 9.525  | 1/2-20 | 9.525  | 17.45 |
| BT40-FMA1-1/4"-100 | 1-1/4" | 100 | 69.85  | 5/8-18 | 12.7   | 5/8-18 | 12.7   | 17.45 |
| BT40-FMA1-1/2"-100 | 1-1/2" | 100 | 78     | 3/4-16 | 15.875 | 3/4-16 | 12.7   | 17.45 |
| BT40-FMA3/4"-150   | 3/4"   | 150 | 42.926 | 3/8-24 | 7.93   | 3/8-24 | 12.7   | 17.45 |
| BT40-FMA1"-150     | 1"     | 150 | 55.626 | 1/2-20 | 9.525  | 1/2-20 | 15.875 | 23.83 |
| BT40-FMA1-1/4"-150 | 1-1/4" | 150 | 69.85  | 5/8-18 | 12.7   | 5/8-18 | 15.875 | 23.83 |
| BT40-FMA1-1/2"-150 | 1-1/2" | 150 | 78     | 3/4-16 | 15.875 | 3/4-16 | 15.875 | 23.83 |
| BT50-FMA3/4"-40    | 3/4"   | 40  | 42.926 | 3/8-24 | 7.93   | 3/8-24 | 9.525  | 17.45 |
| BT50-FMA1"-40      | 1"     | 40  | 55.626 | 1/2-20 | 9.525  | 1/2-20 | 9.525  | 17.45 |
| BT50-FMA1-1/4"-50  | 1-1/4" | 50  | 69.85  | 5/8-18 | 12.7   | 5/8-18 | 9.525  | 17.45 |
| BT50-FMA1-1/2"-50  | 1-1/2" | 50  | 78     | 3/4-16 | 15.875 | 3/4-16 | 9.525  | 17.45 |
| BT50-FMA3/4"-100   | 3/4"   | 100 | 42.926 | 3/8-24 | 7.93   | 3/8-24 | 12.7   | 17.45 |
| BT50-FMA1"-100     | 1"     | 100 | 55.626 | 1/2-20 | 9.525  | 1/2-20 | 12.7   | 17.45 |
| BT50-FMA1-1/4"-100 | 1-1/4" | 100 | 69.85  | 5/8-18 | 12.7   | 5/8-18 | 12.7   | 17.45 |
| BT50-FMA1-1/2"-100 | 1-1/2" | 100 | 78     | 3/4-16 | 15.875 | 3/4-16 | 12.7   | 17.45 |
| BT50-FMA3/4"-150   | 3/4"   | 150 | 42.926 | 3/8-24 | 7.93   | 3/8-24 | 12.7   | 17.45 |
| BT50-FMA1"-150     | 1"     | 150 | 55.626 | 1/2-20 | 9.525  | 1/2-20 | 15.875 | 23.83 |
| BT50-FMA1-1/4"-150 | 1-1/4" | 150 | 69.85  | 5/8-18 | 12.7   | 5/8-18 | 15.875 | 23.83 |
| BT50-FMA1-1/2"-150 | 1-1/2" | 150 | 78     | 3/4-16 | 15.875 | 3/4-16 | 19.05  | 23.83 |





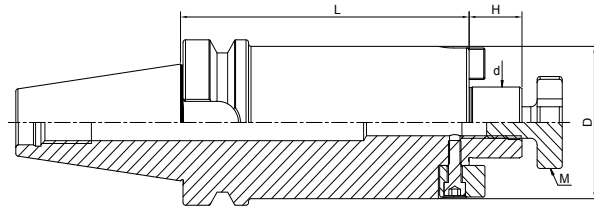
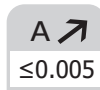
## Face Mill Holder 面铣刀柄



| Size           | d  | L   | D  | H  | M   |
|----------------|----|-----|----|----|-----|
| BT30-FMB16-40  | 16 | 40  | 38 | 17 | M8  |
| BT30-FMB22-40  | 22 | 40  | 48 | 19 | M10 |
| BT30-FMB27-40  | 27 | 40  | 58 | 21 | M12 |
| BT30-FMB32-50  | 32 | 50  | 78 | 24 | M16 |
| BT40-FMB16-40  | 16 | 40  | 38 | 17 | M8  |
| BT40-FMB22-40  | 22 | 40  | 48 | 19 | M10 |
| BT40-FMB27-40  | 27 | 40  | 58 | 21 | M12 |
| BT40-FMB32-50  | 32 | 50  | 78 | 24 | M16 |
| BT40-FMB40-50  | 40 | 50  | 88 | 27 | M20 |
| BT40-FMB22-60  | 22 | 60  | 48 | 19 | M10 |
| BT40-FMB27-60  | 27 | 60  | 58 | 21 | M12 |
| BT40-FMB32-60  | 32 | 60  | 78 | 24 | M16 |
| BT40-FMB40-60  | 40 | 60  | 88 | 27 | M20 |
| BT40-FMB16-100 | 16 | 100 | 38 | 17 | M8  |
| BT40-FMB22-100 | 22 | 100 | 48 | 19 | M10 |
| BT40-FMB27-100 | 27 | 100 | 58 | 21 | M12 |
| BT40-FMB32-100 | 32 | 100 | 78 | 24 | M16 |
| BT40-FMB40-100 | 40 | 100 | 88 | 27 | M20 |
| BT40-FMB16-160 | 16 | 160 | 38 | 17 | M8  |
| BT40-FMB22-160 | 22 | 160 | 48 | 19 | M10 |
| BT40-FMB27-160 | 27 | 160 | 58 | 21 | M12 |
| BT40-FMB32-160 | 32 | 160 | 78 | 24 | M16 |
| BT40-FMB40-160 | 40 | 160 | 88 | 27 | M20 |
| BT40-FMB22-200 | 22 | 200 | 48 | 19 | M10 |
| BT40-FMB27-200 | 27 | 200 | 58 | 21 | M12 |
| BT40-FMB32-200 | 32 | 200 | 78 | 24 | M16 |
| BT40-FMB40-200 | 40 | 200 | 88 | 27 | M20 |
| BT40-FMB22-250 | 22 | 250 | 48 | 19 | M10 |
| BT40-FMB22-300 | 22 | 300 | 48 | 19 | M10 |



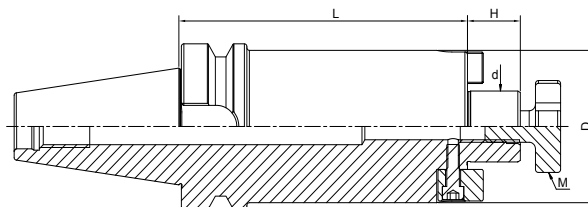
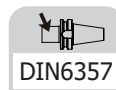
## Face Mill Holder 面铣刀柄



| Size           | d  | L   | D   | H  | M   |
|----------------|----|-----|-----|----|-----|
| BT50-FMB16-40  | 16 | 40  | 38  | 17 | M8  |
| BT50-FMB22-40  | 22 | 40  | 48  | 19 | M10 |
| BT50-FMB27-40  | 27 | 40  | 58  | 21 | M12 |
| BT50-FMB32-50  | 32 | 50  | 78  | 24 | M16 |
| BT50-FMB40-50  | 40 | 50  | 88  | 27 | M20 |
| BT50-FMB60-75  | 60 | 75  | 129 | 25 | M30 |
| BT50-FMB22-60  | 22 | 60  | 48  | 19 | M10 |
| BT50-FMB27-60  | 27 | 60  | 58  | 21 | M12 |
| BT50-FMB32-60  | 32 | 60  | 78  | 24 | M16 |
| BT50-FMB40-60  | 40 | 60  | 88  | 27 | M20 |
| BT50-FMB16-100 | 16 | 100 | 38  | 17 | M8  |
| BT50-FMB22-100 | 22 | 100 | 48  | 19 | M10 |
| BT50-FMB27-100 | 27 | 100 | 58  | 21 | M12 |
| BT50-FMB32-100 | 32 | 100 | 78  | 24 | M16 |
| BT50-FMB40-100 | 40 | 100 | 88  | 27 | M20 |
| BT50-FMB22-160 | 22 | 160 | 48  | 19 | M10 |
| BT50-FMB27-160 | 27 | 160 | 58  | 21 | M12 |
| BT50-FMB32-160 | 32 | 160 | 78  | 24 | M16 |
| BT50-FMB40-160 | 40 | 160 | 88  | 27 | M20 |



## Face Mill Holder 面铣刀柄

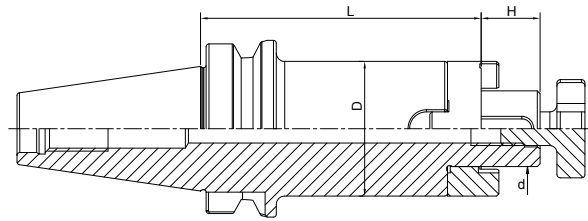
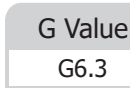


| Size                     | d  | L   | D  | H  | M   |
|--------------------------|----|-----|----|----|-----|
| BT50-FMB22-200           | 22 | 200 | 48 | 19 | M10 |
| BT50-FMB27-200           | 27 | 200 | 58 | 21 | M12 |
| BT50-FMB32-200           | 32 | 200 | 78 | 24 | M16 |
| BT50-FMB40-200           | 40 | 200 | 88 | 27 | M20 |
| BT50-FMB22-250           | 22 | 250 | 48 | 19 | M10 |
| BT50-FMB27-250           | 27 | 250 | 58 | 21 | M12 |
| BT50-FMB32-250           | 32 | 250 | 78 | 24 | M16 |
| BT50-FMB40-250           | 40 | 250 | 88 | 27 | M20 |
| BT50-FMB22-300           | 22 | 300 | 48 | 19 | M10 |
| BT50-FMB27-300           | 27 | 300 | 58 | 21 | M12 |
| BT50-FMB32-300           | 32 | 300 | 78 | 24 | M16 |
| BT50-FMB40-300           | 40 | 300 | 88 | 27 | M20 |
| BT50-FMB22-100(D=60)     | 22 | 100 | 60 | 19 | M10 |
| BT50-FMB22-150/160(D=60) | 22 | 150 | 60 | 19 | M10 |
| BT50-FMB22-200(D=60)     | 22 | 200 | 60 | 19 | M10 |
| BT50-FMB22-250(D=60)     | 22 | 250 | 60 | 19 | M10 |
| BT50-FMB22-300(D=60)     | 22 | 300 | 60 | 19 | M10 |



## Combi Shell Mill Holder

### 混合插入式铣刀柄

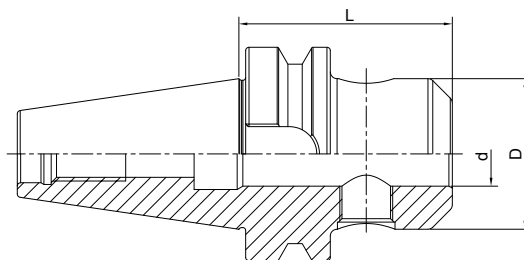
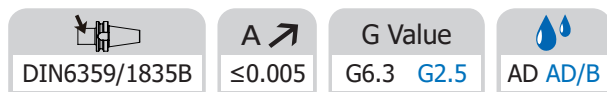


| Size            | d  | D  | H  | L   |
|-----------------|----|----|----|-----|
| BT40-SEMC16-55  | 16 | 32 | 17 | 55  |
| BT40-SEMC22-55  | 22 | 40 | 19 | 55  |
| BT40-SEMC27-55  | 27 | 48 | 21 | 55  |
| BT40-SEMC32-60  | 32 | 58 | 24 | 60  |
| BT40-SEMC40-60  | 40 | 70 | 27 | 60  |
|                 |    |    |    |     |
| BT40-SEMC16-100 | 16 | 32 | 17 | 100 |
| BT40-SEMC22-100 | 22 | 40 | 19 | 100 |
| BT40-SEMC27-100 | 27 | 48 | 21 | 100 |
| BT40-SEMC32-100 | 32 | 58 | 24 | 100 |
| BT40-SEMC40-100 | 40 | 70 | 27 | 100 |
|                 |    |    |    |     |
| BT40-SEMC16-160 | 16 | 32 | 17 | 160 |
| BT40-SEMC22-160 | 22 | 40 | 19 | 160 |
| BT40-SEMC27-160 | 27 | 48 | 21 | 160 |
| BT40-SEMC32-160 | 32 | 58 | 24 | 160 |
| BT40-SEMC40-160 | 40 | 70 | 27 | 160 |
|                 |    |    |    |     |
| BT50-SEMC16-70  | 16 | 32 | 17 | 70  |
| BT50-SEMC22-70  | 22 | 40 | 19 | 70  |
| BT50-SEMC27-70  | 27 | 48 | 21 | 70  |
| BT50-SEMC32-70  | 32 | 58 | 24 | 70  |
| BT50-SEMC40-70  | 40 | 70 | 27 | 70  |
|                 |    |    |    |     |
| BT50-SEMC16-100 | 16 | 32 | 17 | 100 |
| BT50-SEMC22-100 | 22 | 40 | 19 | 100 |
| BT50-SEMC27-100 | 27 | 48 | 21 | 100 |
| BT50-SEMC32-100 | 32 | 58 | 24 | 100 |
| BT50-SEMC40-100 | 40 | 70 | 27 | 100 |
|                 |    |    |    |     |
| BT50-SEMC16-160 | 16 | 32 | 17 | 160 |
| BT50-SEMC22-160 | 22 | 40 | 19 | 160 |
| BT50-SEMC27-160 | 27 | 48 | 21 | 160 |
| BT50-SEMC32-160 | 32 | 58 | 24 | 160 |
| BT50-SEMC40-160 | 40 | 70 | 27 | 160 |



## End Mill Holder Weldon

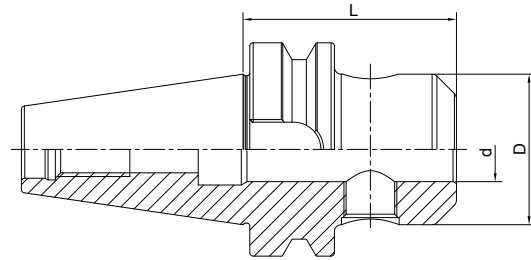
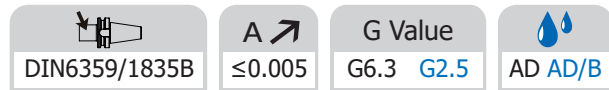
### 侧固刀柄



| Size           | d  | D  | L   |
|----------------|----|----|-----|
| BT30-SLA6-50   | 6  | 25 | 50  |
| BT30-SLA8-50   | 8  | 28 | 50  |
| BT30-SLA10-50  | 10 | 35 | 50  |
| BT30-SLA12-50  | 12 | 42 | 50  |
| BT30-SLA14-50  | 14 | 44 | 50  |
| BT30-SLA16-63  | 16 | 48 | 63  |
| BT30-SLA18-63  | 18 | 50 | 63  |
| BT30-SLA20-63  | 20 | 52 | 63  |
|                |    |    |     |
| BT40-SLA6-50   | 6  | 25 | 50  |
| BT40-SLA8-50   | 8  | 28 | 50  |
| BT40-SLA10-63  | 10 | 35 | 63  |
| BT40-SLA12-63  | 12 | 42 | 63  |
| BT40-SLA14-63  | 14 | 44 | 63  |
| BT40-SLA16-63  | 16 | 48 | 63  |
| BT40-SLA18-63  | 18 | 50 | 63  |
| BT40-SLA20-63  | 20 | 52 | 63  |
| BT40-SLA25-90  | 25 | 65 | 90  |
| BT40-SLA32-100 | 32 | 72 | 100 |
| BT40-SLA40-120 | 40 | 80 | 120 |
|                |    |    |     |
| BT40-SLA6-100  | 6  | 25 | 100 |
| BT40-SLA8-100  | 8  | 28 | 100 |
| BT40-SLA10-100 | 10 | 35 | 100 |
| BT40-SLA12-100 | 12 | 42 | 100 |
| BT40-SLA14-100 | 14 | 44 | 100 |
| BT40-SLA16-100 | 16 | 48 | 100 |
| BT40-SLA18-100 | 18 | 50 | 100 |
| BT40-SLA20-100 | 20 | 52 | 100 |



## End Mill Holder Weldon 侧固刀柄



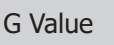
| Size           | d  | D  | L   |
|----------------|----|----|-----|
| BT40-SLA6-160  | 6  | 25 | 160 |
| BT40-SLA8-160  | 8  | 28 | 160 |
| BT40-SLA10-160 | 10 | 35 | 160 |
| BT40-SLA12-160 | 12 | 42 | 160 |
| BT40-SLA14-160 | 14 | 44 | 160 |
| BT40-SLA16-160 | 16 | 48 | 160 |
| BT40-SLA18-160 | 18 | 50 | 160 |
| BT40-SLA20-160 | 20 | 52 | 160 |
| BT40-SLA25-160 | 25 | 65 | 160 |
| BT40-SLA32-160 | 32 | 72 | 160 |
| BT40-SLA40-160 | 40 | 80 | 160 |
|                |    |    |     |
| BT50-SLA6-63   | 6  | 25 | 63  |
| BT50-SLA8-63   | 8  | 28 | 63  |
| BT50-SLA10-63  | 10 | 35 | 63  |
| BT50-SLA12-80  | 12 | 42 | 80  |
| BT50-SLA14-80  | 14 | 44 | 80  |
| BT50-SLA16-80  | 16 | 48 | 80  |
| BT50-SLA18-80  | 18 | 50 | 80  |
| BT50-SLA20-80  | 20 | 52 | 80  |
| BT50-SLA25-100 | 25 | 65 | 100 |
| BT50-SLA32-105 | 32 | 72 | 105 |
| BT50-SLA40-110 | 40 | 80 | 110 |
|                |    |    |     |
| BT50-SLA6-160  | 6  | 25 | 160 |
| BT50-SLA8-160  | 8  | 28 | 160 |
| BT50-SLA10-160 | 10 | 35 | 160 |
| BT50-SLA12-160 | 12 | 42 | 160 |
| BT50-SLA14-160 | 14 | 44 | 160 |
| BT50-SLA16-160 | 16 | 48 | 160 |
| BT50-SLA18-160 | 18 | 50 | 160 |
| BT50-SLA20-160 | 20 | 52 | 160 |
| BT50-SLA25-160 | 25 | 65 | 160 |
| BT50-SLA32-160 | 32 | 72 | 160 |
| BT50-SLA40-160 | 40 | 80 | 160 |

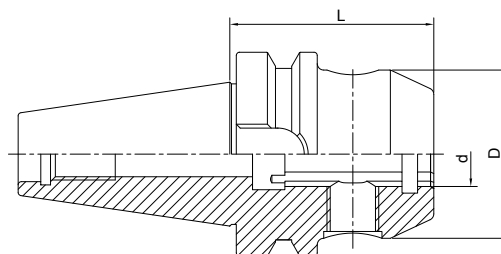


## End Mill Holder with Coolant Channels

### 侧固刀柄，端面出水型



|                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| DIN6359/1835B                                                                     | $\leq 0.005$                                                                        | G6.3 G2.5                                                                           | AD AD/B                                                                             |

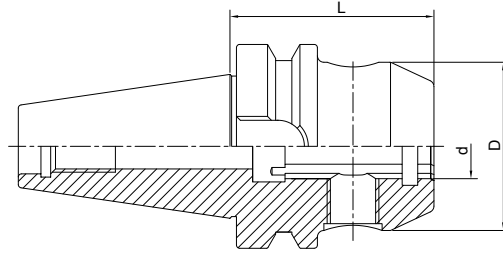


| Size            | d  | D  | L   |
|-----------------|----|----|-----|
| BT40-SLA06-50K  | 6  | 25 | 50  |
| BT40-SLA08-50K  | 8  | 28 | 50  |
| BT40-SLA10-63K  | 10 | 35 | 63  |
| BT40-SLA12-63K  | 12 | 42 | 63  |
| BT40-SLA14-63K  | 14 | 44 | 63  |
| BT40-SLA16-63K  | 16 | 48 | 63  |
| BT40-SLA18-63K  | 18 | 50 | 63  |
| BT40-SLA20-63K  | 20 | 52 | 63  |
| BT40-SLA25-90K  | 25 | 65 | 90  |
| BT40-SLA32-100K | 32 | 72 | 100 |
| BT40-SLA40-120K | 40 | 80 | 120 |
|                 |    |    |     |
| BT40-SLA06-100K | 6  | 25 | 100 |
| BT40-SLA08-100K | 8  | 28 | 100 |
| BT40-SLA10-100K | 10 | 35 | 100 |
| BT40-SLA12-100K | 12 | 42 | 100 |
| BT40-SLA14-100K | 14 | 44 | 100 |
| BT40-SLA16-100K | 16 | 48 | 100 |
| BT40-SLA18-100K | 18 | 50 | 100 |
| BT40-SLA20-100K | 20 | 52 | 100 |



## End Mill Holder with Coolant Channels 侧固刀柄，端面出水型

  
 DIN6359/1835B

  
 $\leq 0.005$ 
  
 G6.3 **G2.5**
  
 AD **AD/B**


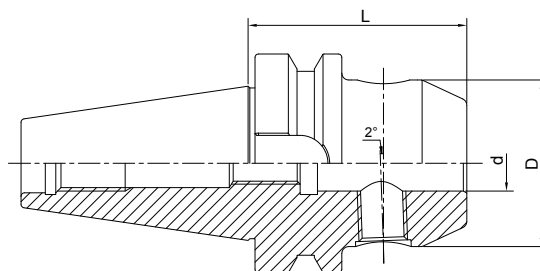
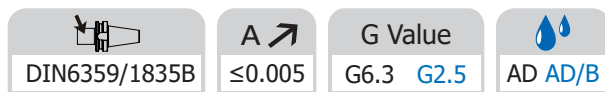
| Size            | d  | D  | L   |
|-----------------|----|----|-----|
| BT50-SLA06-63K  | 6  | 25 | 63  |
| BT50-SLA08-63K  | 8  | 28 | 63  |
| BT50-SLA10-63K  | 10 | 35 | 63  |
| BT50-SLA12-80K  | 12 | 42 | 80  |
| BT50-SLA14-80K  | 14 | 44 | 80  |
| BT50-SLA16-80K  | 16 | 48 | 80  |
| BT50-SLA18-80K  | 18 | 50 | 80  |
| BT50-SLA20-80K  | 20 | 52 | 80  |
| BT50-SLA25-100K | 25 | 65 | 100 |
| BT50-SLA32-105K | 32 | 72 | 105 |
| BT50-SLA40-110K | 40 | 80 | 110 |
| BT50-SLA06-100K | 6  | 25 | 100 |
| BT50-SLA08-100K | 8  | 28 | 100 |
| BT50-SLA10-100K | 10 | 35 | 100 |
| BT50-SLA12-100K | 12 | 42 | 100 |
| BT50-SLA14-100K | 14 | 44 | 100 |
| BT50-SLA16-100K | 16 | 48 | 100 |
| BT50-SLA18-100K | 18 | 50 | 100 |
| BT50-SLA20-100K | 20 | 52 | 100 |





## End Mill Holder Whistle Notch

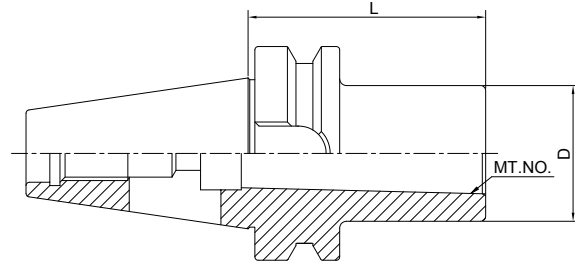
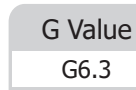
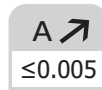
### 侧固式铣刀柄，斜 2 度



| Size           | d  | D  | L   |
|----------------|----|----|-----|
| BT40-SLB06-50  | 6  | 25 | 50  |
| BT40-SLB08-50  | 8  | 28 | 50  |
| BT40-SLB10-63  | 10 | 35 | 63  |
| BT40-SLB12-63  | 12 | 42 | 63  |
| BT40-SLB14-63  | 14 | 44 | 63  |
| BT40-SLB16-63  | 16 | 48 | 63  |
| BT40-SLB18-63  | 18 | 50 | 63  |
| BT40-SLB20-63  | 20 | 52 | 63  |
| BT40-SLB25-90  | 25 | 65 | 90  |
| BT40-SLB32-100 | 32 | 72 | 100 |
| BT40-SLB40-120 | 40 | 80 | 120 |
|                |    |    |     |
| BT50-SLB06-63  | 6  | 25 | 63  |
| BT50-SLB08-63  | 8  | 28 | 63  |
| BT50-SLB10-63  | 10 | 35 | 63  |
| BT50-SLB12-80  | 12 | 42 | 80  |
| BT50-SLB14-80  | 14 | 44 | 80  |
| BT50-SLB16-80  | 16 | 48 | 80  |
| BT50-SLB18-80  | 18 | 50 | 80  |
| BT50-SLB20-80  | 20 | 52 | 80  |
| BT50-SLB25-100 | 25 | 65 | 100 |
| BT50-SLB32-105 | 32 | 72 | 105 |
| BT50-SLB40-110 | 40 | 80 | 110 |



## Morse Taper Adapter with Tang 帶扁尾莫氏刀柄

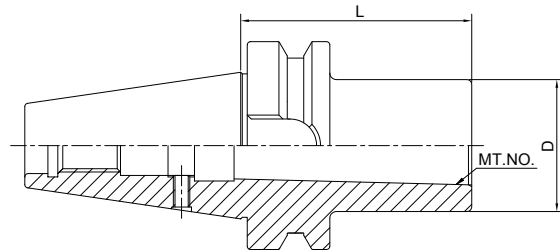
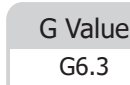
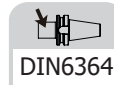


| Size          | MT.NO. | D  | L   |
|---------------|--------|----|-----|
| BT30-MTA1-45  | 1      | 25 | 45  |
| BT30-MTA2-60  | 2      | 32 | 60  |
| BT30-MTA3-75  | 3      | 40 | 75  |
| BT40-MTA1-50  | 1      | 25 | 50  |
| BT40-MTA2-50  | 2      | 32 | 50  |
| BT40-MTA3-70  | 3      | 40 | 70  |
| BT40-MTA4-95  | 4      | 48 | 95  |
| BT50-MTA1-45  | 1      | 25 | 45  |
| BT50-MTA2-60  | 2      | 32 | 60  |
| BT50-MTA3-65  | 3      | 40 | 65  |
| BT50-MTA3-180 | 3      | 40 | 180 |
| BT50-MTA4-95  | 4      | 48 | 95  |
| BT50-MTA4-180 | 4      | 48 | 180 |
| BT50-MTA5-105 | 5      | 63 | 105 |



## Morse Taper Adapter with Drawbar

### 带螺纹孔莫氏刀柄



| Size          | MT.NO. | D  | L   |
|---------------|--------|----|-----|
| BT40-MTB1-50  | 1      | 25 | 50  |
| BT40-MTB2-50  | 2      | 32 | 50  |
| BT40-MTB3-70  | 3      | 40 | 70  |
| BT40-MTB4-95  | 4      | 48 | 95  |
|               |        |    |     |
| BT50-MTB1-45  | 1      | 25 | 45  |
| BT50-MTB2-60  | 2      | 32 | 60  |
| BT50-MTB3-65  | 3      | 40 | 65  |
| BT50-MTB4-70  | 4      | 48 | 70  |
| BT50-MTB5-120 | 5      | 63 | 120 |



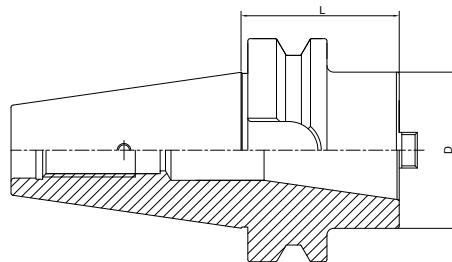


Bright-tools

BRIGHT-TOOLS

TOOL HOLDER JIS B 6339

## Tool Holder Adatper Sleeve 转换刀柄

A ↗  
≤0.005G Value  
G6.3  
A

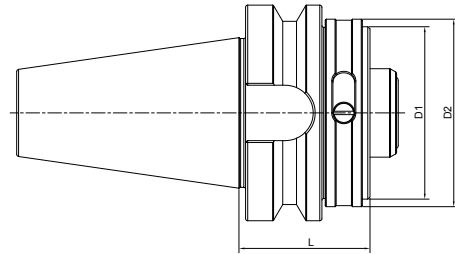
| Size          | D  | L   |
|---------------|----|-----|
| BT40-BT30-60  | 63 | 60  |
| BT40-BT40-100 | 63 | 100 |
| BT50-BT40-70  | 70 | 70  |
| BT50-BT50-120 | 97 | 120 |



## Tool Holder Adapter Sleeve 转换刀柄



|               |                 |        |
|---------------|-----------------|--------|
| A ↗<br>≤0.005 | G Value<br>G6.3 | 💧<br>A |
|---------------|-----------------|--------|



| Size            | D1  | D2  | L  |
|-----------------|-----|-----|----|
| BT30-HSK32C-40  | 32  | 37  | 40 |
| BT30-HSK40C-40  | 40  | 45  | 40 |
| BT40-HSK32C-40  | 32  | 37  | 40 |
| BT40-HSK40C-40  | 40  | 45  | 40 |
| BT40-HSK50C-50  | 50  | 55  | 50 |
| BT40-HSK63C-70  | 63  | 70  | 70 |
| BT50-HSK32C-50  | 32  | 37  | 50 |
| BT50-HSK40C-50  | 40  | 45  | 50 |
| BT50-HSK50C-60  | 50  | 55  | 60 |
| BT50-HSK63C-60  | 63  | 70  | 60 |
| BT50-HSK80C-60  | 80  | 87  | 60 |
| BT50-HSK100C-90 | 100 | 110 | 90 |

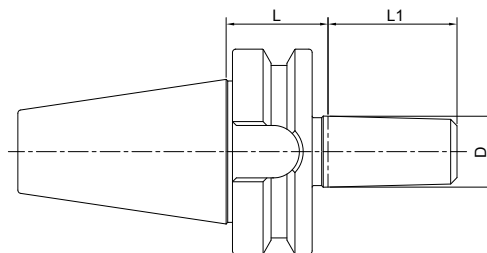
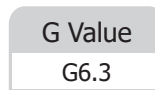
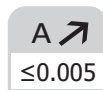
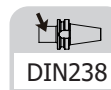


Bright-tools

**BRIGHT-TOOLS**

TOOL HOLDER JIS B 6339

## Drill Chuck Adapter 钻接杆

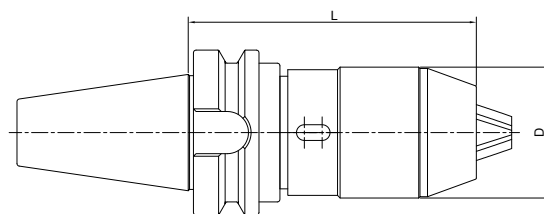


| Size        | D   | L  | L1   |
|-------------|-----|----|------|
| BT30-B12-25 | B12 | 25 | 18.5 |
| BT30-B16-25 | B16 | 25 | 24   |
| BT40-B12-32 | B12 | 32 | 18.5 |
| BT40-B16-32 | B16 | 32 | 24   |
| BT40-B18-32 | B18 | 32 | 32   |
| BT40-B22-32 | B22 | 32 | 40.5 |
| BT50-B16-45 | B16 | 45 | 24   |
| BT50-B18-45 | B18 | 45 | 32   |
| BT50-B22-45 | B22 | 45 | 40.5 |



## APU Drill Chuck Holder

### APU 钻夹头刀柄



| Size           | D  | L   |       | Capacity |
|----------------|----|-----|-------|----------|
| BT30-APU08-80  | 36 | 80  | 85    | 1-8      |
| BT30-APU13-110 | 48 | 110 | 120   | 1-13     |
| BT40-APU08-85  | 36 | 85  | 90    | 1-8      |
| BT40-APU13-105 | 48 | 105 | 115   | 1-13     |
| BT40-APU16-110 | 53 | 110 | 120.6 | 3-16     |
| BT50-APU08-90  | 36 | 90  | 100   | 1-8      |
| BT50-APU13-105 | 48 | 105 | 115   | 1-13     |
| BT50-APU16-115 | 53 | 115 | 125.6 | 3-16     |



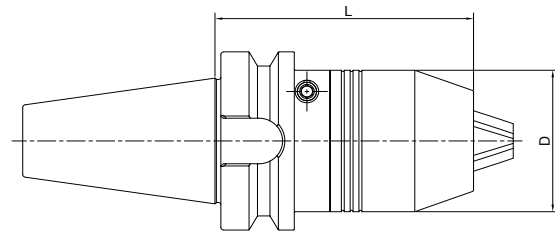
## Precision Drill Chuck Holder

### 精密钻夹头刀柄

A ↗  
≤0.03

G Value  
G6.3

AD



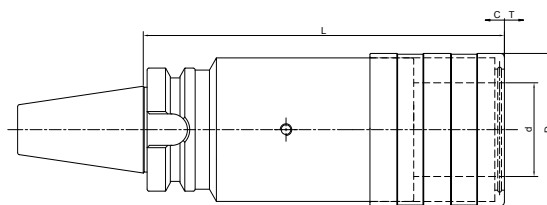
| Size           | D  | L   | Capacity |
|----------------|----|-----|----------|
| BT40-CPU13-90  | 50 | 90  | 1-13     |
| BT40-CPU16-90  | 50 | 90  | 1-16     |
| BT50-CPU13-100 | 50 | 100 | 1-13     |
| BT50-CPU16-100 | 50 | 100 | 1-16     |





## Quick Change Tapping Chuck with Length Compensation

### 弹性快换攻丝刀柄



| Size            | Collet Size | d  | D  | L   | T    | C    |
|-----------------|-------------|----|----|-----|------|------|
| BT30-TC312-70   | 1           | 19 | 38 | 70  | 7.5  | 7.5  |
| BT30-TC820-95   | 2           | 31 | 54 | 95  | 12.5 | 12.5 |
| BT40-TC312-65   | 1           | 19 | 38 | 65  | 7.5  | 7.5  |
| BT40-TC820-93   | 2           | 31 | 53 | 93  | 12.5 | 12.5 |
| BT40-TC1433-166 | 3           | 48 | 78 | 166 | 22   | 22   |
| BT50-TC312-100  | 1           | 19 | 38 | 100 | 7.5  | 7.5  |
| BT50-TC820-100  | 2           | 31 | 53 | 100 | 12.5 | 12.5 |
| BT50-TC1433-142 | 3           | 48 | 78 | 142 | 22   | 22   |



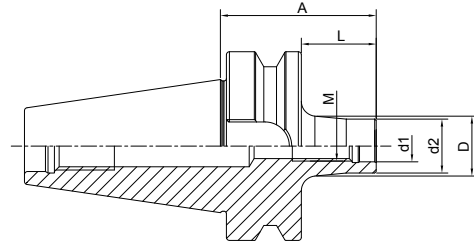
## Screw-in Milling Cutter Holder

### 锁牙刀柄，锥柄型

A ↗  
≤0.005

G Value  
G6.3

AD AD/B



| Size                 | M  | d1   | d2   | A   | L   | D    |
|----------------------|----|------|------|-----|-----|------|
| BT40-SOM08-52 L=25   | 8  | 8.5  | 14.5 | 52  | 25  | 15   |
| BT40-SOM08-77 L=50   | 8  | 8.5  | 14.5 | 77  | 50  | 23   |
| BT40-SOM08-102 L=75  | 8  | 8.5  | 14.5 | 102 | 75  | 23   |
| BT40-SOM08-127 L=100 | 8  | 8.5  | 14.5 | 127 | 100 | 25   |
| BT40-SOM10-32 L=5    | 10 | 10.5 | 18   | 32  | 5   | 18   |
| BT40-SOM10-52 L=25   | 10 | 10.5 | 18   | 52  | 25  | 20   |
| BT40-SOM10-77 L=50   | 10 | 10.5 | 18   | 77  | 50  | 23   |
| BT40-SOM10-102 L=75  | 10 | 10.5 | 18   | 102 | 75  | 28   |
| BT40-SOM10-127 L=100 | 10 | 10.5 | 18   | 127 | 100 | 32   |
| BT40-SOM10-177 L=150 | 10 | 10.5 | 18   | 177 | 150 | 36.5 |
| BT40-SOM12-32 L=5    | 12 | 12.5 | 21   | 32  | 5   | 21   |
| BT40-SOM12-52 L=25   | 12 | 12.5 | 21   | 52  | 25  | 24   |
| BT40-SOM12-77 L=50   | 12 | 12.5 | 21   | 77  | 50  | 24   |
| BT40-SOM12-102 L=75  | 12 | 12.5 | 21   | 102 | 75  | 31   |
| BT40-SOM12-127 L=100 | 12 | 12.5 | 21   | 127 | 100 | 31   |
| BT40-SOM12-152 L=125 | 12 | 12.5 | 21   | 152 | 125 | 36   |
| BT40-SOM12-177 L=150 | 12 | 12.5 | 21   | 177 | 150 | 38   |
| BT40-SOM16-32 L=5    | 16 | 17   | 29   | 32  | 5   | 29   |
| BT40-SOM16-52 L=25   | 16 | 17   | 29   | 52  | 25  | 29   |
| BT40-SOM16-77 L=50   | 16 | 17   | 29   | 77  | 50  | 34   |
| BT40-SOM16-102 L=75  | 16 | 17   | 29   | 102 | 75  | 34   |
| BT40-SOM16-127 L=100 | 16 | 17   | 29   | 127 | 100 | 36   |
| BT40-SOM16-152 L=125 | 16 | 17   | 29   | 152 | 125 | 40   |
| BT40-SOM16-177 L=150 | 16 | 17   | 29   | 177 | 150 | 42.5 |



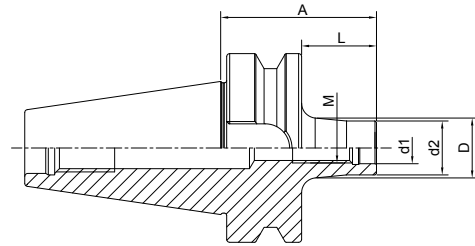
## Screw-in Milling Cutter Holder

### 锁牙刀柄，锥柄型

A ↗  
≤0.005

G Value  
G6.3

AD AD/B



| Size                 | M  | d1   | d2   | A   | L   | D    |
|----------------------|----|------|------|-----|-----|------|
| BT50-SOM08-88 L=50   | 8  | 8.5  | 14.5 | 88  | 50  | 23   |
| BT50-SOM08-138 L=100 | 8  | 8.5  | 14.5 | 138 | 100 | 25   |
| BT50-SOM08-188 L=150 | 8  | 8.5  | 14.5 | 188 | 150 | 30   |
| BT50-SOM10-88 L=50   | 10 | 10.5 | 18   | 88  | 50  | 23   |
| BT50-SOM10-138 L=100 | 10 | 10.5 | 18   | 138 | 100 | 32   |
| BT50-SOM10-188 L=150 | 10 | 10.5 | 18   | 188 | 150 | 36.5 |
| BT50-SOM12-88 L=50   | 12 | 12.5 | 21   | 88  | 50  | 24   |
| BT50-SOM12-138 L=100 | 12 | 12.5 | 21   | 138 | 100 | 33   |
| BT50-SOM12-188 L=150 | 12 | 12.5 | 21   | 188 | 150 | 40   |
| BT50-SOM16-88 L=50   | 16 | 17   | 29   | 88  | 50  | 34   |
| BT50-SOM16-138 L=100 | 16 | 17   | 29   | 138 | 100 | 36   |
| BT50-SOM16-188 L=150 | 16 | 17   | 29   | 188 | 150 | 42.5 |



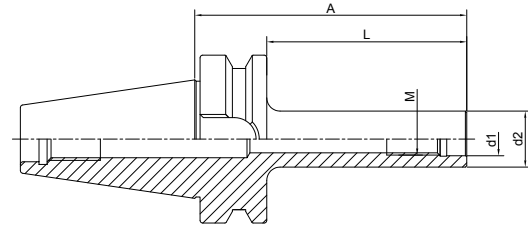
## Screw-in Milling Cutter Holder

### 锁牙刀柄，直柄型

A ↗  
≤0.005

G Value  
G6.3

AD AD/B



| Size               | M  | d1   | d2 | A   | L   |
|--------------------|----|------|----|-----|-----|
| BT40-M10-102 L=75  | 10 | 10.5 | 18 | 102 | 75  |
| BT40-M10-127 L=100 | 10 | 10.5 | 18 | 127 | 100 |
| BT40-M10-177 L=150 | 10 | 10.5 | 18 | 177 | 150 |
| BT40-M12-102 L=75  | 12 | 12.5 | 21 | 102 | 75  |
| BT40-M12-127 L=100 | 12 | 12.5 | 21 | 127 | 100 |
| BT40-M12-152 L=125 | 12 | 12.5 | 21 | 152 | 125 |
| BT40-M12-177 L=150 | 12 | 12.5 | 21 | 177 | 150 |
| BT40-M16-102 L=75  | 16 | 17   | 29 | 102 | 75  |
| BT40-M16-127 L=100 | 16 | 17   | 29 | 127 | 100 |
| BT40-M16-152 L=125 | 16 | 17   | 29 | 152 | 125 |
| BT40-M16-177 L=150 | 16 | 17   | 29 | 177 | 150 |
| BT50-M10-138 L=100 | 10 | 10.5 | 18 | 138 | 100 |
| BT50-M10-188 L=150 | 10 | 10.5 | 18 | 188 | 150 |
| BT50-M12-138 L=100 | 12 | 12.5 | 21 | 138 | 100 |
| BT50-M12-188 L=150 | 12 | 12.5 | 21 | 188 | 150 |
| BT50-M16-138 L=100 | 16 | 17   | 29 | 138 | 100 |
| BT50-M16-188 L=150 | 16 | 17   | 29 | 188 | 150 |



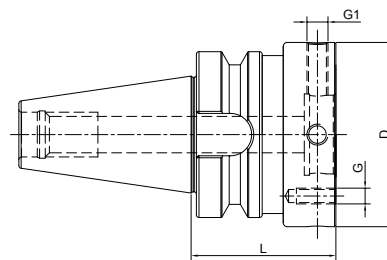
## Runout Adjustable Flange Adapter

### 可调节精度法兰刀柄

A ↗  
≤0.002

G Value  
G6.3 G2.5

AD



| Size            | BT  | D   | L  | G   | G1    |
|-----------------|-----|-----|----|-----|-------|
| BT30-MOD060-050 | 60  | 60  | 50 | M5  | M8x1  |
| BT30-MOD070-050 | 70  | 70  | 50 | M6  | M8x1  |
| BT40-MOD060-050 | 60  | 60  | 50 | M5  | M8x1  |
| BT40-MOD070-050 | 70  | 70  | 50 | M6  | M8x1  |
| BT40-MOD080-050 | 80  | 80  | 50 | M6  | M8x1  |
| BT40-MOD100-070 | 100 | 100 | 70 | M8  | M10x1 |
| BT50-MOD060-070 | 60  | 60  | 70 | M5  | M8x1  |
| BT50-MOD070-070 | 70  | 70  | 70 | M6  | M8x1  |
| BT50-MOD080-070 | 80  | 80  | 70 | M6  | M8x1  |
| BT50-MOD100-070 | 100 | 100 | 70 | M8  | M10x1 |
| BT50-MOD117-080 | 117 | 117 | 80 | M8  | M10x1 |
| BT50-MOD140-080 | 140 | 140 | 80 | M10 | M10x1 |





Bright-tools

**BRIGHT-TOOLS**

TOOL HOLDER JIS B 6339

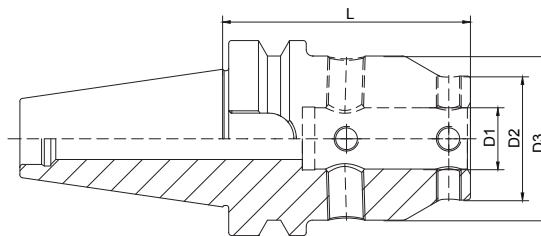
## UM Adjustable Tool Holder

### UM 调零刀柄

A ↗  
≤0.003

G Value  
G6.3 G2.5

AD AD/B

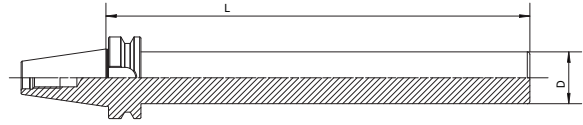


| Size          | D1 | D2 | D3   | L   |
|---------------|----|----|------|-----|
| BT30-UM12-65  | 12 | 28 | 44.5 | 65  |
| BT30-UM16-75  | 16 | 32 | 48   | 75  |
| BT30-UM20-85  | 20 | 40 | 53   | 85  |
| BT30-UM25-95  | 25 | 48 | 63   | 95  |
| BT30-UM32-100 | 32 | 52 | 63   | 100 |
| BT40-UM12-70  | 12 | 28 | 44.5 | 70  |
| BT40-UM16-70  | 16 | 32 | 48   | 70  |
| BT40-UM20-80  | 20 | 40 | 53   | 80  |
| BT40-UM25-100 | 25 | 48 | 63   | 95  |
| BT40-UM32-95  | 32 | 52 | 63   | 95  |
| BT50-UM12-80  | 12 | 28 | 44.5 | 80  |
| BT50-UM16-85  | 16 | 32 | 48   | 85  |
| BT50-UM20-90  | 20 | 40 | 53   | 90  |
| BT50-UM25-105 | 25 | 48 | 63   | 105 |
| BT50-UM32-105 | 32 | 52 | 63   | 105 |



## Boring Bar Blank

### 基础柄



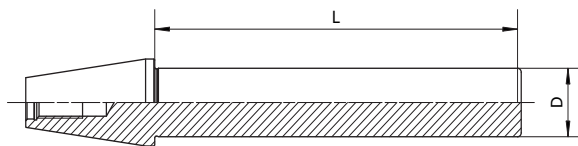
| Size          | D   | L   |
|---------------|-----|-----|
| BT30-D50-160  | 50  | 160 |
| BT40-D63-160  | 63  | 160 |
| BT40-D63-250  | 63  | 250 |
| BT50-D100-160 | 100 | 160 |
| BT50-D100-250 | 100 | 250 |





## Test Arbor 主轴检测棒

A ↗  
≤0.002



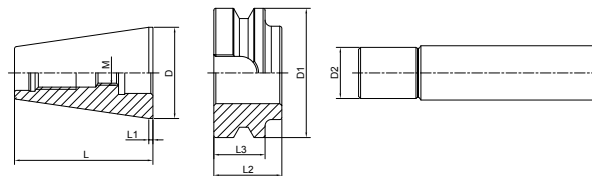
| Size        | D  | L   |
|-------------|----|-----|
| BT30-32-300 | 32 | 300 |
| BT40-40-300 | 40 | 300 |
| BT50-50-300 | 50 | 300 |





## Alignment Tool for ATC Arm

### 调整机械手用组合模具



| Size         | D     | D1  | D2 | L     | L1 | L2 |
|--------------|-------|-----|----|-------|----|----|
| BT30-ATC-18D | 31.75 | 46  | 18 | 50.4  | 2  | 20 |
| BT40-ATC-20D | 44.45 | 63  | 20 | 67.4  | 2  | 25 |
| BT50-ATC-28D | 69.85 | 100 | 28 | 104.8 | 3  | 35 |

#### Usage:

- 1) Put the Taper to the machine Spindle
- 2) Install flange to the ATC arm
- 3) Insert Pin into the flange
- 4) Adjust ATC arm and make sure the pin front part into the flange completely.



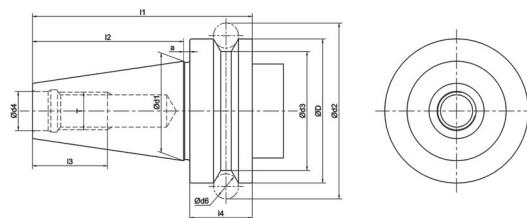
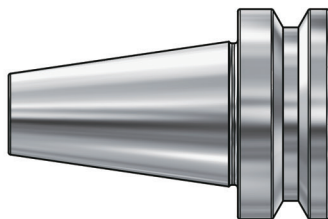
# **NBT**

## **TOOL HOLDERS**



## NBT Taper Standard

### NBT 锥柄标准



| Size  | D   | d1    | d2      | d3 | d4   | d5   | d6 | l1    | l2    | l3 | l4 | a | T        |
|-------|-----|-------|---------|----|------|------|----|-------|-------|----|----|---|----------|
| NBT30 | 46  | 31.75 | 56.144  | 38 | 12.5 | 16.1 | 8  | 70.4  | 48.4  | 24 | 20 | 2 | M12×1.75 |
| NBT40 | 63  | 44.45 | 75.679  | 53 | 17   | 16.1 | 10 | 92.4  | 65.4  | 30 | 25 | 2 | M16×2.0  |
| NBT50 | 100 | 69.85 | 119.019 | 85 | 25   | 25.7 | 15 | 139.8 | 101.8 | 45 | 35 | 3 | M24×3.0  |

**Material:** Alloyed case hardened steel  
**Surface Treatment:** Blackening and Bright  
**Taper tolerance:** <AT3  
**Hardness:** HRC 58-62  
**Carbon depth:** 0.8±0.2mm  
**Surface Roughness:** Ra<0.005mm  
**Balancing:** G2.5/25000  
**Cooling:** AD

## NBT TOOLING SYSTEM

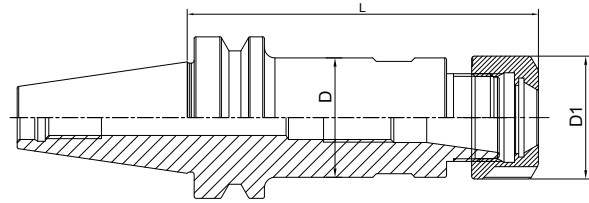
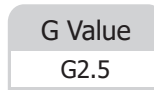
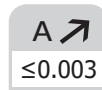
### NBT 工具系统

|                       |      |
|-----------------------|------|
| ER Collet Chuck.....  | A.46 |
| ER 弹簧夹头刀柄.....        | A.46 |
| SKS Collet Chuck..... | A.47 |
| SKS 高速筒夹刀柄.....       | A.47 |



## ER Collet Chuck

### ER 弹簧夹头刀柄



| Size           | D  | D1 | L    | Capacity |
|----------------|----|----|------|----------|
| NBT30-ER16A-60 | 28 | 60 | 1-10 | 28       |
| NBT30-ER20A-60 | 34 | 60 | 1-13 | 34       |
| NBT30-ER25-70  | 42 | 70 | 2-16 | 42       |
| NBT30-ER32-70  | 50 | 70 | 2-20 | 50       |
|                |    |    |      |          |
| NBT40-ER16A-70 | 28 | 70 | 1-10 | 28       |
| NBT40-ER20A-70 | 34 | 70 | 1-13 | 34       |
| NBT40-ER25-70  | 42 | 70 | 2-16 | 42       |
| NBT40-ER32-70  | 50 | 70 | 2-20 | 50       |



# High Speed SKS Collet Chuck SKS 高速筒夹刀柄

A ↗

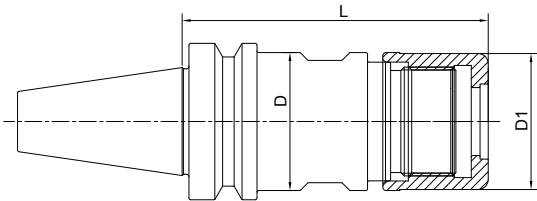
≤0.003

G Value

G6.3 G2.5

💧

AD



| Size           | D    | D1   | L  | Capacity | M         |
|----------------|------|------|----|----------|-----------|
| NBT30-SKS10-60 | 27.5 | 27.1 | 60 | 3-10     | M21.5*1.0 |
| NBT30-SKS16-60 | 40.6 | 40   | 60 | 4-16     | M32*1.5   |