

# TOOL HOLDER ACCESSORY

BRIGHT-TOOLS

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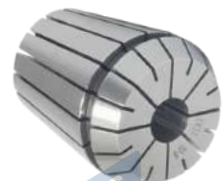
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## ACCESSORY

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## ACCESSORY 附件

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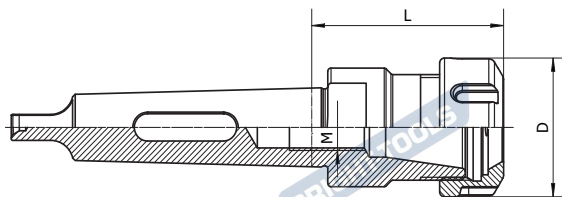
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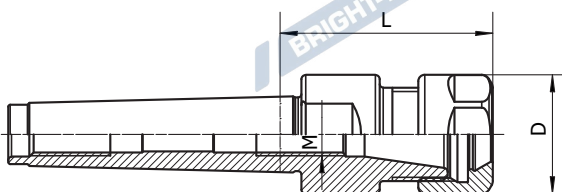


## ER Collet Chuck with UM Nut

### ER 弹簧夹头刀柄



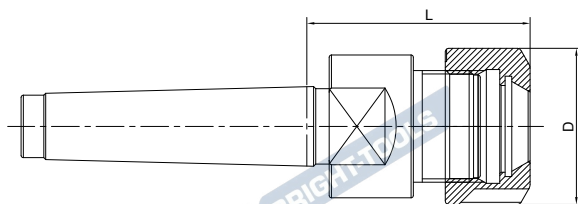
| Size         | D  | L  | M       | Capacity |
|--------------|----|----|---------|----------|
| MTA2-ER25-60 | 42 | 60 | -       | 2-16     |
| MTA2-ER32-60 | 50 | 60 | M10     | 2-20     |
| MTA3-ER25-60 | 42 | 60 | M14*1.5 | 2-16     |
| MTA3-ER32-70 | 50 | 70 | M14*1.5 | 2-20     |
| MTA3-ER40-80 | 63 | 80 | M14*1.5 | 3-26     |
| MTA4-ER25-60 | 42 | 60 | M18*1.5 | 2-16     |
| MTA4-ER32-70 | 50 | 70 | M18*1.5 | 2-20     |
| MTA4-ER40-80 | 63 | 80 | M18*1.5 | 3-26     |
| MTA5-ER40-80 | 63 | 80 | M28*1.5 | 3-26     |



| Size         | D  | L  | M       | Capacity |
|--------------|----|----|---------|----------|
| MTB2-ER25-47 | 42 | 47 | M10     | 2-16     |
| MTB2-ER32-75 | 50 | 75 | M10     | 2-20     |
| MTB2-ER40-80 | 63 | 80 | M10     | 3-26     |
| MTB3-ER25-56 | 42 | 56 | M14*1.5 | 2-16     |
| MTB3-ER32-60 | 50 | 60 | M14*1.5 | 2-20     |
| MTB3-ER40-80 | 63 | 80 | M14*1.5 | 3-26     |
| MTB4-ER25-60 | 42 | 60 | M18*1.5 | 2-16     |
| MTB4-ER32-60 | 50 | 60 | M18*1.5 | 2-20     |
| MTB4-ER40-80 | 63 | 80 | M18*1.5 | 3-26     |
| MTB4-ER50-80 | 78 | 80 | M18*1.5 | 6-34     |
| MTB5-ER40-80 | 63 | 80 | M28*1.5 | 3-26     |
| MTB5-ER50-80 | 78 | 80 | M28*1.5 | 6-34     |

## ER Collet Chuck with Hex Nut

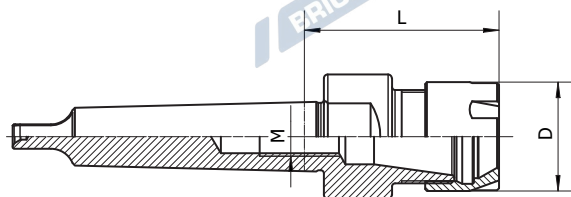
### ER 弹簧夹头刀柄



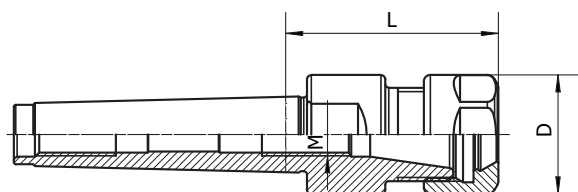
| Size          | D  | L  | M       | Capacity |
|---------------|----|----|---------|----------|
| MTB1-ER11-30  | 19 | 30 | M6      | 1-7      |
| MTB1-ER16-40  | 28 | 40 | M6      | 1-10     |
| MTB2-ER11-30  | 19 | 30 | M6      | 1-7      |
| MTB2-ER16-50  | 28 | 50 | M10     | 1-10     |
| MTB2-ER20-50  | 34 | 50 | M10     | 1-13     |
| MTB3-ER16A-50 | 28 | 50 | M10     | 1-10     |
| MTB3-ER20A-50 | 36 | 50 | M14*1.5 | 1-13     |

## ER Collet Chuck with Mini Nut

### ER 弹簧夹头刀柄



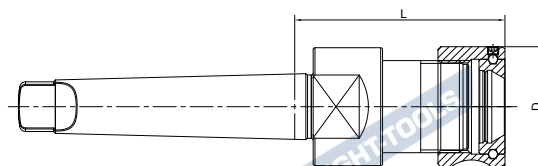
| Size          | D  | L  | M       | Capacity |
|---------------|----|----|---------|----------|
| MTA2-ER16M-50 | 22 | 50 | M10     | 1-10     |
| MTA2-ER20M-50 | 28 | 50 | M10     | 1-13     |
| MTA3-ER16M-60 | 22 | 60 | M10     | 1-10     |
| MTA3-ER20M-60 | 28 | 60 | M14*1.5 | 1-13     |



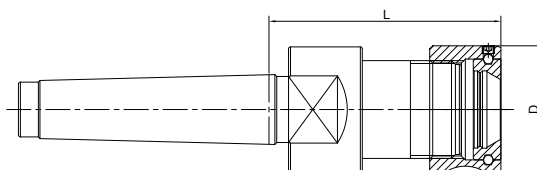
| Size          | D  | L  | M       | Capacity |
|---------------|----|----|---------|----------|
| MTB2-ER16M-50 | 22 | 50 | M10     | 1-10     |
| MTB2-ER20M-50 | 28 | 50 | M10     | 1-13     |
| MTB3-ER16M-60 | 22 | 60 | M10     | 1-10     |
| MTB3-ER20M-50 | 28 | 50 | M14*1.5 | 1-13     |

## OZ Collet Chuck DIN6391

### OZ 夹头刀柄



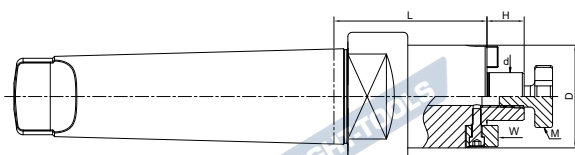
| Size         | D  | L  | Capacity |
|--------------|----|----|----------|
| MTA2-OZ25-70 | 60 | 70 | 3-25     |
| MTA3-OZ25-70 | 60 | 70 | 3-25     |
| MTA4-OZ25-70 | 60 | 70 | 3-25     |



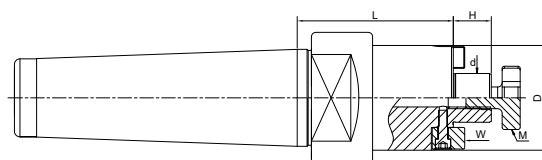
| Size         | D  | L  | Capacity |
|--------------|----|----|----------|
| MTB2-OZ25-70 | 60 | 70 | 3-25     |
| MTB3-OZ25-70 | 60 | 70 | 3-25     |
| MTB4-OZ25-70 | 60 | 70 | 3-25     |
| MTB4-OZ32-80 | 72 | 80 | 6-32     |
| MTB5-OZ25-75 | 60 | 75 | 3-25     |
| MTB5-OZ32-80 | 72 | 80 | 6-32     |

## Face Mill Holder DIN6357

### 面铣刀柄



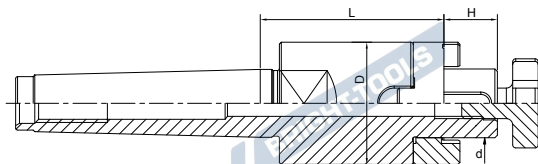
| Size          | d  | D  | L  | H  | W  | M   |
|---------------|----|----|----|----|----|-----|
| MTA2-FMB16-30 | 16 | 38 | 30 | 17 | 8  | M8  |
| MTA2-FMB22-30 | 22 | 48 | 30 | 19 | 10 | M10 |
| MTA2-FMB27-30 | 27 | 58 | 30 | 21 | 12 | M12 |
| MTA3-FMB16-30 | 16 | 38 | 30 | 17 | 8  | M8  |
| MTA3-FMB22-30 | 22 | 48 | 30 | 19 | 10 | M10 |
| MTA3-FMB27-30 | 27 | 58 | 30 | 21 | 12 | M12 |
| MTA3-FMB32-30 | 32 | 78 | 30 | 24 | 14 | M16 |
| MTA4-FMB16-32 | 16 | 38 | 32 | 17 | 8  | M8  |
| MTA4-FMB22-32 | 22 | 48 | 32 | 19 | 10 | M10 |
| MTA4-FMB27-32 | 27 | 58 | 32 | 21 | 12 | M12 |
| MTA4-FMB32-32 | 32 | 78 | 32 | 24 | 14 | M16 |
| MTA4-FMB40-32 | 40 | 88 | 32 | 27 | 16 | M20 |



| Size          | d  | D  | L  | H  | W  | M   |
|---------------|----|----|----|----|----|-----|
| MTB3-FMB16-48 | 16 | 38 | 48 | 17 | 8  | M8  |
| MTB3-FMB22-48 | 22 | 48 | 48 | 19 | 10 | M10 |
| MTB3-FMB27-48 | 27 | 58 | 48 | 21 | 12 | M12 |
| MTB3-FMB32-48 | 32 | 78 | 48 | 24 | 14 | M16 |
| MTB3-FMB40-48 | 40 | 88 | 48 | 27 | 16 | M20 |
| MTB4-FMB22-55 | 22 | 48 | 55 | 19 | 10 | M10 |
| MTB4-FMB27-55 | 27 | 58 | 55 | 21 | 12 | M12 |
| MTB4-FMB32-55 | 32 | 78 | 55 | 24 | 14 | M16 |
| MTB4-FMB40-55 | 40 | 88 | 55 | 27 | 16 | M20 |

## Combi Shell Mill Holder DIN6358

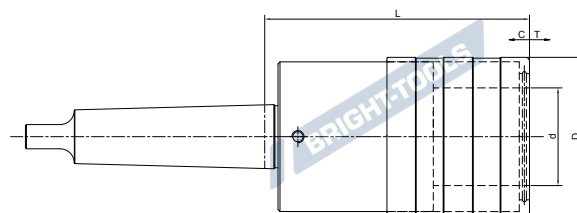
### 混合插入式铣刀柄



| Size           | d  | D  | H  | L  |
|----------------|----|----|----|----|
| MTB2-SEMC16-48 | 16 | 32 | 17 | 48 |
| MTB2-SEMC22-48 | 22 | 40 | 19 | 48 |
| MTB2-SEMC27-55 | 27 | 48 | 21 | 55 |
| MTB2-SEMC32-55 | 32 | 58 | 24 | 55 |
| MTB3-SEMC16-48 | 16 | 32 | 17 | 48 |
| MTB3-SEMC22-50 | 22 | 40 | 19 | 50 |
| MTB3-SEMC27-55 | 27 | 48 | 21 | 55 |
| MTB3-SEMC32-55 | 32 | 58 | 24 | 55 |
| MTB4-SEMC16-55 | 16 | 32 | 17 | 55 |
| MTB4-SEMC22-55 | 22 | 40 | 19 | 55 |
| MTB4-SEMC27-55 | 27 | 48 | 21 | 55 |
| MTB4-SEMC32-55 | 32 | 58 | 24 | 55 |

## Quick Change Tapping Chuck with Length Compensation

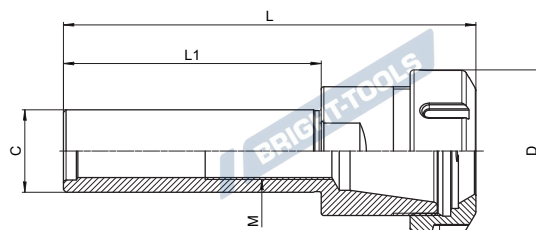
### 弹性快换攻丝刀柄



| Size            | D  | d  | L   | T    | C    |
|-----------------|----|----|-----|------|------|
| MTA2-TC312-46   | 36 | 19 | 46  | 7.5  | 7.5  |
| MTA3-TC312-46   | 36 | 19 | 46  | 7.5  | 7.5  |
| MTA3-TC820-68   | 54 | 31 | 68  | 12.5 | 12.5 |
| MTA4-TC820-70   | 54 | 31 | 70  | 12.5 | 12.5 |
| MTA4-TC1433-108 | 78 | 48 | 108 | 22   | 22   |
| MTA5-TC1433-103 | 78 | 48 | 103 | 22   | 22   |

## ER Collet Chuck with UM Nut DIN6499

### ER 弹簧夹头刀柄



#### Metric

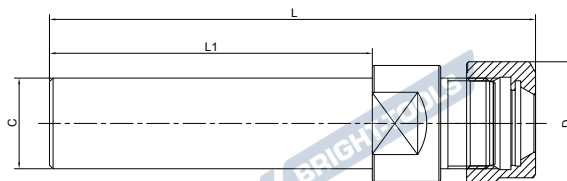
| Size           | C  | D  | L1  | L   | M       |
|----------------|----|----|-----|-----|---------|
| C20-ER25UM-100 | 20 | 42 | 100 | 147 | M10     |
| C25-ER25UM-100 | 25 | 42 | 100 | 147 | M14*1.5 |
| C25-ER25UM-150 | 25 | 42 | 150 | 197 | M14*1.5 |
| C25-ER25UM-200 | 25 | 42 | 200 | 247 | M14*1.5 |
| C25-ER32UM-100 | 25 | 50 | 100 | 153 | M14*1.5 |
| C32-ER25UM-100 | 32 | 42 | 100 | 145 | M18*1.5 |
| C32-ER25UM-150 | 32 | 42 | 150 | 195 | M18*1.5 |
| C32-ER32UM-100 | 32 | 50 | 100 | 153 | M22*1.5 |
| C32-ER32UM-150 | 32 | 50 | S   | 203 | M22*1.5 |
| C32-ER32UM-200 | 32 | 50 | 200 | 253 | M22*1.5 |
| C32-ER40UM-100 | 32 | 63 | 100 | 160 | M22*1.5 |
| C40-ER32UM-100 | 40 | 50 | 100 | 133 | M22*1.5 |
| C40-ER40UM-100 | 40 | 63 | 100 | 155 | M22*1.5 |
| C40-ER40UM-150 | 40 | 63 | 150 | 205 | M22*1.5 |

#### Inch

| Size            | C      | D  | L1 | L     | M       |
|-----------------|--------|----|----|-------|---------|
| C3/4"-ER25-4"   | 3/4"   | 42 | 4" | 145.6 | M10     |
| C1"-ER25-6"     | 1"     | 42 | 6" | 196.4 | M18*1.5 |
| C1"-ER32-4"     | 1"     | 50 | 4" | 149.6 | M18*1.5 |
| C1-1/4"-ER32-6" | 1-1/4" | 50 | 6" | 200.4 | M22*1.5 |

## ER Collet Chuck with Hex Nut DIN6499

### ER 弹簧夹头刀柄



#### Metric

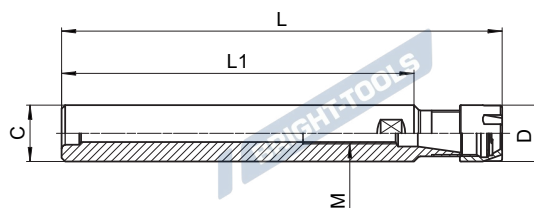
| Size          | C  | D    | L1  | L     | M       |
|---------------|----|------|-----|-------|---------|
| C10-ER8A-100  | 10 | 13.3 | 100 | 117.1 | M5      |
| C10-ER11A-100 | 10 | 19   | 100 | 120.1 | M5      |
| C12-ER8A-100  | 12 | 13.3 | 100 | 117.1 | M5      |
| C12-ER11A-100 | 12 | 19   | 100 | 120.1 | M6      |
| C16-ER11A-50  | 16 | 19   | 50  | 70.1  | M6      |
| C16-ER11A-100 | 16 | 19   | 100 | 120.1 | M6      |
| C16-ER16A-100 | 16 | 28   | 100 | 126.1 | M8      |
| C16-ER16A-150 | 16 | 28   | 150 | 176.1 | M8      |
| C20-ER16A-100 | 20 | 28   | 100 | 126.1 | M10     |
| C20-ER16A-150 | 20 | 28   | 150 | 176.1 | M10     |
| C20-ER20A-100 | 20 | 34   | 100 | 136.5 | M10     |
| C20-ER20A-150 | 20 | 34   | 150 | 186.5 | M10     |
| C25-ER16A-100 | 25 | 28   | 100 | 136.5 | M10     |
| C25-ER16A-150 | 25 | 28   | 150 | 186.5 | M10     |
| C25-ER20A-100 | 25 | 34   | 100 | 136.5 | M14*1.5 |
| C25-ER20A-150 | 25 | 34   | 150 | 186.5 | M14*1.5 |

#### Inch

| Size             | C    | D  | L1   | L     | M   |
|------------------|------|----|------|-------|-----|
| C1/2"-ER11A-3.5" | 1/2" | 19 | 3.5" | 112.9 | M6  |
| C1/2"-ER11A-6"   | 1/2" | 19 | 6"   | 176.4 | M6  |
| C3/4"-ER16A-4"   | 3/4" | 28 | 4"   | 132.6 | M10 |
| C3/4"-ER16A-6"   | 3/4" | 28 | 6"   | 183.4 | M10 |
| C3/4"-ER20A-4"   | 3/4" | 34 | 4"   | 138.6 | M10 |
| C3/4"-ER20A-6"   | 3/4" | 34 | 6"   | 189.4 | M10 |

## ER Collet Chuck with Mini Nut DIN6499

### ER 弹簧夹头刀柄



#### Metric

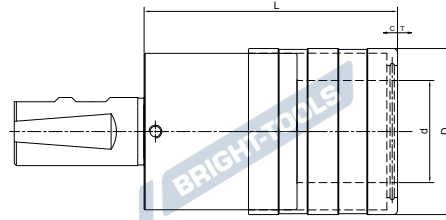
| Size          | C  | D  | L1  | L     | M       |
|---------------|----|----|-----|-------|---------|
| C8-ER8M-100   | 08 | 12 | 100 | 123.1 | -       |
| C10-ER8M-100  | 10 | 12 | 100 | 125.5 | M5      |
| C10-ER8M-150  | 10 | 12 | 150 | 167.1 | M5      |
| C12-ER11M-100 | 12 | 16 | 100 | 128.6 | M6      |
| C16-ER11M-100 | 16 | 16 | 100 | 120.1 | M6      |
| C16-ER11M-150 | 16 | 16 | 150 | 170.1 | M6      |
| C16-ER16M-100 | 16 | 22 | 100 | 135.1 | M8      |
| C16-ER16M-150 | 16 | 22 | 150 | 185.1 | M8      |
| C20-ER16M-100 | 20 | 22 | 100 | 126.1 | M10     |
| C20-ER16M-150 | 20 | 22 | 150 | 176.1 | M10     |
| C20-ER20M-100 | 20 | 28 | 100 | 143.5 | M10     |
| C20-ER20M-150 | 20 | 28 | 150 | 193.5 | M10     |
| C25-ER16M-100 | 25 | 22 | 100 | 126.1 | M10     |
| C25-ER16M-150 | 25 | 22 | 150 | 176.1 | M10     |
| C25-ER20M-100 | 25 | 28 | 100 | 128   | M14*1.5 |
| C25-ER20M-150 | 25 | 28 | 150 | 178   | M14*1.5 |

#### Inch

| Size             | C    | D  | L1 | L     | M  |
|------------------|------|----|----|-------|----|
| C1/2"-ER11M-4.0" | 1/2" | 16 | 4" | 130.2 | M6 |
| C1/2"-ER11M-6.0" | 1/2" | 16 | 6" | 181   | M6 |
| C1/2"-ER16M-4.0" | 1/2" | 22 | 4" | 137.7 | M6 |
| C1/2"-ER16M-6.0" | 1/2" | 22 | 6" | 188.5 | M6 |

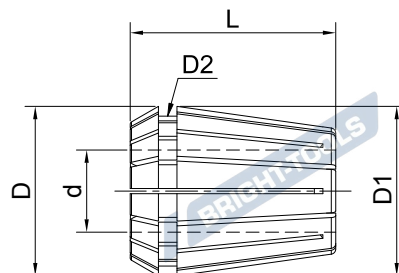
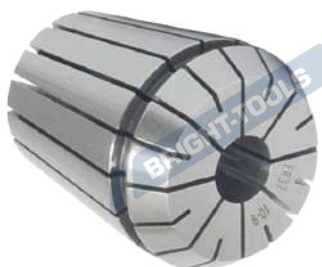
## Quick Change Tapping Chuck with Length Compensation

### 弹性快换攻丝刀柄



| Size             | L  | D  | d  | T    | C    |
|------------------|----|----|----|------|------|
| SLAB20-TC312-41  | 41 | 36 | 19 | 7.5  | 7.5  |
| SLAB25-TC312-41  | 41 | 36 | 19 | 7.5  | 7.5  |
| SLAB25-TC820-63  | 63 | 54 | 31 | 12.5 | 12.5 |
| SLAB32-TC312-41  | 41 | 36 | 19 | 7.5  | 7.5  |
| SLAB32-TC820-63  | 63 | 54 | 31 | 12.5 | 12.5 |
| SLAB32-TC1433-97 | 97 | 78 | 48 | 22   | 22   |
| SLAB40-TC312-41  | 41 | 36 | 19 | 7.5  | 7.5  |
| SLAB40-TC820-63  | 63 | 54 | 31 | 12.5 | 12.5 |
| SLAB40-TC1433-97 | 97 | 78 | 48 | 22   | 22   |

## ER Collet ER 弹簧夹头



### Metric

| Size     | d     | D1 | D    | D2  | L    |
|----------|-------|----|------|-----|------|
| ER8-01   | 1-0.5 | 8  | 8.45 | 6.5 | 13.5 |
| ER8-01.5 | 1.5-1 | 8  | 8.45 | 6.5 | 13.5 |
| ER8-02   | 2-1.5 | 8  | 8.45 | 6.5 | 13.5 |
| ER8-02.5 | 2.5-2 | 8  | 8.45 | 6.5 | 13.5 |
| ER8-03   | 3-2.5 | 8  | 8.45 | 6.5 | 13.5 |
| ER8-03.5 | 3.5-3 | 8  | 8.45 | 6.5 | 13.5 |
| ER8-04   | 4-3.5 | 8  | 8.45 | 6.5 | 13.5 |
| ER8-04.5 | 4.5-4 | 8  | 8.45 | 6.5 | 13.5 |
| ER8-05   | 5-4.5 | 8  | 8.45 | 6.5 | 13.5 |

|           |       |    |      |     |    |
|-----------|-------|----|------|-----|----|
| ER11-01   | 1-0.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-01.5 | 1.5-1 | 11 | 11.5 | 9.5 | 18 |
| ER11-02   | 2-1.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-02.5 | 2.5-2 | 11 | 11.5 | 9.5 | 18 |
| ER11-03   | 3-2.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-03.5 | 3.5-3 | 11 | 11.5 | 9.5 | 18 |
| ER11-04   | 4-3.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-04.5 | 4.5-4 | 11 | 11.5 | 9.5 | 18 |
| ER11-05   | 5-4.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-05.5 | 5.5-5 | 11 | 11.5 | 9.5 | 18 |
| ER11-06   | 6-5.5 | 11 | 11.5 | 9.5 | 18 |
| ER11-06.5 | 6.5-6 | 11 | 11.5 | 9.5 | 18 |
| ER11-07   | 7-6.5 | 11 | 11.5 | 9.5 | 18 |

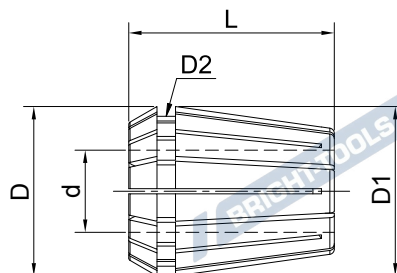
|         |       |    |    |      |      |
|---------|-------|----|----|------|------|
| ER16-01 | 1-0.5 | 16 | 17 | 13.8 | 27.5 |
| ER16-02 | 2-1   | 16 | 17 | 13.8 | 27.5 |
| ER16-03 | 3-2   | 16 | 17 | 13.8 | 27.5 |
| ER16-04 | 4-3   | 16 | 17 | 13.8 | 27.5 |
| ER16-05 | 5-4   | 16 | 17 | 13.8 | 27.5 |
| ER16-06 | 6-5   | 16 | 17 | 13.8 | 27.5 |
| ER16-07 | 7-6   | 16 | 17 | 13.8 | 27.5 |
| ER16-08 | 8-7   | 16 | 17 | 13.8 | 27.5 |
| ER16-09 | 9-8   | 16 | 17 | 13.8 | 27.5 |
| ER16-10 | 10-9  | 16 | 17 | 13.8 | 27.5 |

| Size    | d     | D1 | D  | D2   | L    |
|---------|-------|----|----|------|------|
| ER20-01 | 1-0.5 | 20 | 21 | 17.4 | 31.5 |
| ER20-02 | 2-1   | 20 | 21 | 17.4 | 31.5 |
| ER20-03 | 3-2   | 20 | 21 | 17.4 | 31.5 |
| ER20-04 | 4-3   | 20 | 21 | 17.4 | 31.5 |
| ER20-05 | 5-4   | 20 | 21 | 17.4 | 31.5 |
| ER20-06 | 6-5   | 20 | 21 | 17.4 | 31.5 |
| ER20-07 | 7-6   | 20 | 21 | 17.4 | 31.5 |
| ER20-08 | 8-7   | 20 | 21 | 17.4 | 31.5 |
| ER20-09 | 9-8   | 20 | 21 | 17.4 | 31.5 |
| ER20-10 | 10-9  | 20 | 21 | 17.4 | 31.5 |
| ER20-11 | 11-10 | 20 | 21 | 17.4 | 31.5 |
| ER20-12 | 12-11 | 20 | 21 | 17.4 | 31.5 |
| ER20-13 | 13-12 | 20 | 21 | 17.4 | 31.5 |

|         |       |    |    |    |    |
|---------|-------|----|----|----|----|
| ER25-01 | 1-0.5 | 25 | 26 | 22 | 34 |
| ER25-02 | 2-1   | 25 | 26 | 22 | 34 |
| ER25-03 | 3-2   | 25 | 26 | 22 | 34 |
| ER25-04 | 4-3   | 25 | 26 | 22 | 34 |
| ER25-05 | 5-4   | 25 | 26 | 22 | 34 |
| ER25-06 | 6-5   | 25 | 26 | 22 | 34 |
| ER25-07 | 7-6   | 25 | 26 | 22 | 34 |
| ER25-08 | 8-7   | 25 | 26 | 22 | 34 |
| ER25-09 | 9-8   | 25 | 26 | 22 | 34 |
| ER25-10 | 10-9  | 25 | 26 | 22 | 34 |
| ER25-11 | 11-10 | 25 | 26 | 22 | 34 |
| ER25-12 | 12-11 | 25 | 26 | 22 | 34 |
| ER25-13 | 13-12 | 25 | 26 | 22 | 34 |
| ER25-14 | 14-13 | 25 | 26 | 22 | 34 |
| ER25-15 | 15-14 | 25 | 26 | 22 | 34 |
| ER25-16 | 16-15 | 25 | 26 | 22 | 34 |

## ER Collet

### ER 弹簧夹头



#### Metric

| Size    | d     | D1 | D  | D2   | L  |
|---------|-------|----|----|------|----|
| ER32-02 | 2-1   | 32 | 33 | 29.2 | 40 |
| ER32-03 | 3-2   | 32 | 33 | 29.2 | 40 |
| ER32-04 | 4-3   | 32 | 33 | 29.2 | 40 |
| ER32-05 | 5-4   | 32 | 33 | 29.2 | 40 |
| ER32-06 | 6-5   | 32 | 33 | 29.2 | 40 |
| ER32-07 | 7-6   | 32 | 33 | 29.2 | 40 |
| ER32-08 | 8-7   | 32 | 33 | 29.2 | 40 |
| ER32-09 | 9-8   | 32 | 33 | 29.2 | 40 |
| ER32-10 | 10-9  | 32 | 33 | 29.2 | 40 |
| ER32-11 | 11-10 | 32 | 33 | 29.2 | 40 |
| ER32-12 | 12-11 | 32 | 33 | 29.2 | 40 |
| ER32-13 | 13-12 | 32 | 33 | 29.2 | 40 |
| ER32-14 | 14-13 | 32 | 33 | 29.2 | 40 |
| ER32-15 | 15-14 | 32 | 33 | 29.2 | 40 |
| ER32-16 | 16-15 | 32 | 33 | 29.2 | 40 |
| ER32-17 | 17-16 | 32 | 33 | 29.2 | 40 |
| ER32-18 | 18-17 | 32 | 33 | 29.2 | 40 |
| ER32-19 | 19-18 | 32 | 33 | 29.2 | 40 |
| ER32-20 | 20-19 | 32 | 33 | 29.2 | 40 |

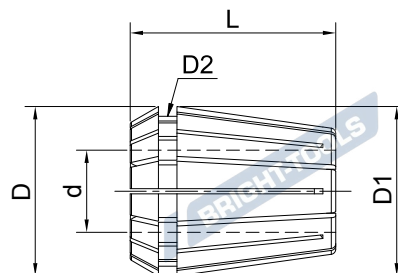
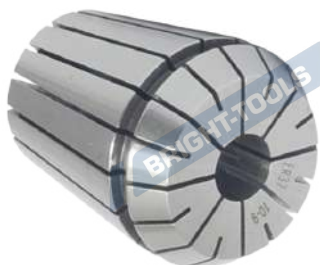
|         |       |    |    |      |    |
|---------|-------|----|----|------|----|
| ER40-03 | 3-2   | 40 | 41 | 36.2 | 46 |
| ER40-04 | 4-3   | 40 | 41 | 36.2 | 46 |
| ER40-05 | 5-4   | 40 | 41 | 36.2 | 46 |
| ER40-06 | 6-5   | 40 | 41 | 36.2 | 46 |
| ER40-07 | 7-6   | 40 | 41 | 36.2 | 46 |
| ER40-08 | 8-7   | 40 | 41 | 36.2 | 46 |
| ER40-09 | 9-8   | 40 | 41 | 36.2 | 46 |
| ER40-10 | 10-9  | 40 | 41 | 36.2 | 46 |
| ER40-11 | 11-10 | 40 | 41 | 36.2 | 46 |
| ER40-12 | 12-11 | 40 | 41 | 36.2 | 46 |
| ER40-13 | 13-12 | 40 | 41 | 36.2 | 46 |

| Size    | d     | D1 | D  | D2   | L  |
|---------|-------|----|----|------|----|
| ER40-14 | 14-13 | 41 | 40 | 36.2 | 46 |
| ER40-15 | 15-14 | 41 | 40 | 36.2 | 46 |
| ER40-16 | 16-15 | 41 | 40 | 36.2 | 46 |
| ER40-17 | 17-16 | 41 | 40 | 36.2 | 46 |
| ER40-18 | 18-17 | 41 | 40 | 36.2 | 46 |
| ER40-19 | 19-18 | 41 | 40 | 36.2 | 46 |
| ER40-20 | 20-19 | 41 | 40 | 36.2 | 46 |
| ER40-21 | 21-20 | 41 | 40 | 36.2 | 46 |
| ER40-22 | 22-21 | 41 | 40 | 36.2 | 46 |
| ER40-23 | 23-22 | 41 | 40 | 36.2 | 46 |
| ER40-24 | 24-23 | 41 | 40 | 36.2 | 46 |
| ER40-25 | 25-24 | 41 | 40 | 36.2 | 46 |
| ER40-26 | 26-25 | 41 | 40 | 36.2 | 46 |

|         |       |    |    |    |    |
|---------|-------|----|----|----|----|
| ER50-06 | 6-4   | 52 | 50 | 46 | 60 |
| ER50-08 | 8-6   | 52 | 50 | 46 | 60 |
| ER50-10 | 10-8  | 52 | 50 | 46 | 60 |
| ER50-12 | 12-10 | 52 | 50 | 46 | 60 |
| ER50-14 | 14-12 | 52 | 50 | 46 | 60 |
| ER50-16 | 16-14 | 52 | 50 | 46 | 60 |
| ER50-18 | 18-16 | 52 | 50 | 46 | 60 |
| ER50-20 | 20-18 | 52 | 50 | 46 | 60 |
| ER50-22 | 22-20 | 52 | 50 | 46 | 60 |
| ER50-24 | 24-22 | 52 | 50 | 46 | 60 |
| ER50-26 | 26-24 | 52 | 50 | 46 | 60 |
| ER50-28 | 28-26 | 52 | 50 | 46 | 60 |
| ER50-30 | 30-28 | 52 | 50 | 46 | 60 |
| ER50-32 | 32-30 | 52 | 50 | 46 | 60 |
| ER50-34 | 34-32 | 52 | 50 | 46 | 60 |

## ER Collet

### ER 弹簧夹头



#### Metric

| Size        | d     | D1 | D    | D2  | L  |
|-------------|-------|----|------|-----|----|
| ER11-3/64"  | 3/64  | 11 | 11.5 | 9.5 | 18 |
| ER11-1/16"  | 1/16  | 11 | 11.5 | 9.5 | 18 |
| ER11-5/64"  | 5/64  | 11 | 11.5 | 9.5 | 18 |
| ER11-3/32"  | 3/32  | 11 | 11.5 | 9.5 | 18 |
| ER11-7/64"  | 7/64  | 11 | 11.5 | 9.5 | 18 |
| ER11-1/8"   | 1/8   | 11 | 11.5 | 9.5 | 18 |
| ER11-9/64"  | 9/64  | 11 | 11.5 | 9.5 | 18 |
| ER11-5/32"  | 5/32  | 11 | 11.5 | 9.5 | 18 |
| ER11-11/64" | 11/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-3/16"  | 3/16  | 11 | 11.5 | 9.5 | 18 |
| ER11-13/64" | 13/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-7/32"  | 7/32  | 11 | 11.5 | 9.5 | 18 |
| ER11-15/64" | 15/64 | 11 | 11.5 | 9.5 | 18 |
| ER11-1/4"   | 1/4   | 11 | 11.5 | 9.5 | 18 |
| ER11-17/64" | 17/64 | 11 | 11.5 | 9.5 | 18 |

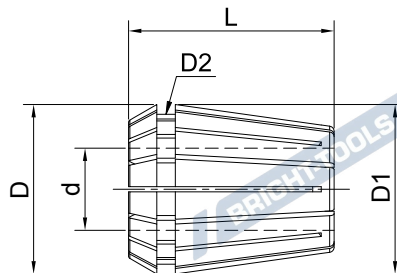
|             |       |    |    |      |      |
|-------------|-------|----|----|------|------|
| ER16-3/64"  | 3/64  | 16 | 17 | 13.8 | 27.5 |
| ER16-1/16"  | 1/16  | 16 | 17 | 13.8 | 27.5 |
| ER16-5/64"  | 5/64  | 16 | 17 | 13.8 | 27.5 |
| ER16-3/32"  | 3/32  | 16 | 17 | 13.8 | 27.5 |
| ER16-7/64"  | 7/64  | 16 | 17 | 13.8 | 27.5 |
| ER16-1/8"   | 1/8   | 16 | 17 | 13.8 | 27.5 |
| ER16-9/64"  | 9/64  | 16 | 17 | 13.8 | 27.5 |
| ER16-5/32"  | 5/32  | 16 | 17 | 13.8 | 27.5 |
| ER16-11/64" | 11/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-3/16"  | 3/16  | 16 | 17 | 13.8 | 27.5 |
| ER16-13/64" | 13/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-7/32"  | 7/32  | 16 | 17 | 13.8 | 27.5 |
| ER16-15/64" | 15/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-1/4"   | 1/4   | 16 | 17 | 13.8 | 27.5 |
| ER16-17/64" | 17/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-9/32"  | 9/32  | 16 | 17 | 13.8 | 27.5 |
| ER16-19/64" | 19/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-5/16"  | 5/16  | 16 | 17 | 13.8 | 27.5 |
| ER16-21/64" | 21/64 | 16 | 17 | 13.8 | 27.5 |

| Size        | d     | D1 | D  | D2   | L    |
|-------------|-------|----|----|------|------|
| ER16-11/32" | 11/32 | 16 | 17 | 13.8 | 27.5 |
| ER16-23/64" | 23/64 | 16 | 17 | 13.8 | 27.5 |
| ER16-3/8"   | 3/8   | 16 | 17 | 13.8 | 27.5 |

|             |       |    |    |      |      |
|-------------|-------|----|----|------|------|
| ER20-3/64"  | 3/64  | 20 | 21 | 17.4 | 31.5 |
| ER20-1/16"  | 1/16  | 20 | 21 | 17.4 | 31.5 |
| ER20-5/64"  | 5/64  | 20 | 21 | 17.4 | 31.5 |
| ER20-3/32"  | 3/32  | 20 | 21 | 17.4 | 31.5 |
| ER20-7/64"  | 7/64  | 20 | 21 | 17.4 | 31.5 |
| ER20-1/8"   | 1/8   | 20 | 21 | 17.4 | 31.5 |
| ER20-9/64"  | 9/64  | 20 | 21 | 17.4 | 31.5 |
| ER20-5/32"  | 5/32  | 20 | 21 | 17.4 | 31.5 |
| ER20-11/64" | 11/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-3/16"  | 3/16  | 20 | 21 | 17.4 | 31.5 |
| ER20-13/64" | 13/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-7/32"  | 7/32  | 20 | 21 | 17.4 | 31.5 |
| ER20-15/64" | 15/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-1/4"   | 1/4   | 20 | 21 | 17.4 | 31.5 |
| ER20-17/64" | 17/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-9/32"  | 9/32  | 20 | 21 | 17.4 | 31.5 |
| ER20-19/64" | 19/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-5/16"  | 5/16  | 20 | 21 | 17.4 | 31.5 |
| ER20-21/64" | 21/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-11/32" | 11/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-23/64" | 23/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-3/8"   | 3/8   | 20 | 21 | 17.4 | 31.5 |
| ER20-25/64" | 25/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-13/32" | 13/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-27/64" | 27/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-7/16"  | 7/16  | 20 | 21 | 17.4 | 31.5 |
| ER20-29/64" | 29/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-15/32" | 15/32 | 20 | 21 | 17.4 | 31.5 |
| ER20-31/64" | 31/64 | 20 | 21 | 17.4 | 31.5 |
| ER20-1/2"   | 1/2   | 20 | 21 | 17.4 | 31.5 |
| ER20-33/64" | 33/64 | 20 | 21 | 17.4 | 31.5 |

## ER Collet

### ER 弹簧夹头



#### Metric

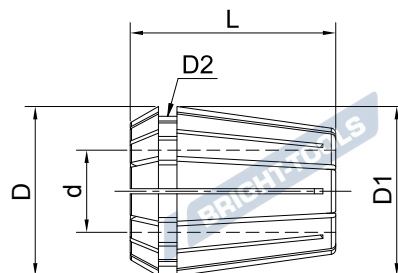
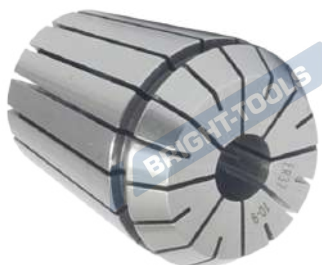
| Size        | d     | D1 | D  | D2 | L  |
|-------------|-------|----|----|----|----|
| ER25-3/64"  | 3/64  | 25 | 26 | 22 | 34 |
| ER25-1/16"  | 1/16  | 25 | 26 | 22 | 34 |
| ER25-5/64"  | 5/64  | 25 | 26 | 22 | 34 |
| ER25-3/32"  | 3/32  | 25 | 26 | 22 | 34 |
| ER25-7/64"  | 7/64  | 25 | 26 | 22 | 34 |
| ER25-1/8"   | 1/8   | 25 | 26 | 22 | 34 |
| ER25-9/64"  | 9/64  | 25 | 26 | 22 | 34 |
| ER25-5/32"  | 5/32  | 25 | 26 | 22 | 34 |
| ER25-11/64" | 11/64 | 25 | 26 | 22 | 34 |
| ER25-3/16"  | 3/16  | 25 | 26 | 22 | 34 |
| ER25-13/64" | 13/64 | 25 | 26 | 22 | 34 |
| ER25-7/32"  | 7/32  | 25 | 26 | 22 | 34 |
| ER25-15/64" | 15/64 | 25 | 26 | 22 | 34 |
| ER25-1/4"   | 1/4   | 25 | 26 | 22 | 34 |
| ER25-17/64" | 17/64 | 25 | 26 | 22 | 34 |
| ER25-9/32"  | 9/32  | 25 | 26 | 22 | 34 |
| ER25-19/64" | 19/64 | 25 | 26 | 22 | 34 |
| ER25-5/16"  | 5/16  | 25 | 26 | 22 | 34 |
| ER25-21/64" | 21/64 | 25 | 26 | 22 | 34 |
| ER25-11/32" | 11/32 | 25 | 26 | 22 | 34 |
| ER25-23/64" | 23/64 | 25 | 26 | 22 | 34 |
| ER25-3/8"   | 3/8   | 25 | 26 | 22 | 34 |
| ER25-25/64" | 25/64 | 25 | 26 | 22 | 34 |
| ER25-13/32" | 13/32 | 25 | 26 | 22 | 34 |
| ER25-27/64" | 27/64 | 25 | 26 | 22 | 34 |
| ER25-7/16"  | 7/16  | 25 | 26 | 22 | 34 |
| ER25-29/64" | 29/64 | 25 | 26 | 22 | 34 |
| ER25-15/32" | 15/32 | 25 | 26 | 22 | 34 |
| ER25-31/64" | 31/64 | 25 | 26 | 22 | 34 |
| ER25-1/2"   | 1/2   | 25 | 26 | 22 | 34 |
| ER25-33/64" | 33/64 | 25 | 26 | 22 | 34 |
| ER25-17/32" | 17/32 | 25 | 26 | 22 | 34 |
| ER25-35/64" | 35/64 | 25 | 26 | 22 | 34 |
| ER25-9/16"  | 9/16  | 25 | 26 | 22 | 34 |
| ER25-37/64" | 37/64 | 25 | 26 | 22 | 34 |

| Size        | d     | D1 | D  | D2 | L  |
|-------------|-------|----|----|----|----|
| ER25-19/32" | 19/32 | 25 | 26 | 22 | 34 |
| ER25-39/64" | 39/64 | 25 | 26 | 22 | 34 |
| ER25-5/8"   | 5/8   | 25 | 26 | 22 | 34 |

| Size        | d     | D1 | D  | D2   | L  |
|-------------|-------|----|----|------|----|
| ER32-1/16"  | 1/16  | 32 | 33 | 29.2 | 40 |
| ER32-3/32"  | 3/32  | 32 | 33 | 29.2 | 40 |
| ER32-1/8"   | 1/8   | 32 | 33 | 29.2 | 40 |
| ER32-5/32"  | 5/32  | 32 | 33 | 29.2 | 40 |
| ER32-3/16"  | 3/16  | 32 | 33 | 29.2 | 40 |
| ER32-7/32"  | 7/32  | 32 | 33 | 29.2 | 40 |
| ER32-1/4"   | 1/4   | 32 | 33 | 29.2 | 40 |
| ER32-9/32"  | 9/32  | 32 | 33 | 29.2 | 40 |
| ER32-5/16"  | 5/16  | 32 | 33 | 29.2 | 40 |
| ER32-11/32" | 11/32 | 32 | 33 | 29.2 | 40 |
| ER32-3/8"   | 3/8   | 32 | 33 | 29.2 | 40 |
| ER32-13/32" | 13/32 | 32 | 33 | 29.2 | 40 |
| ER32-7/16"  | 7/16  | 32 | 33 | 29.2 | 40 |
| ER32-15/32" | 15/32 | 32 | 33 | 29.2 | 40 |
| ER32-1/2"   | 1/2   | 32 | 33 | 29.2 | 40 |
| ER32-17/32" | 17/32 | 32 | 33 | 29.2 | 40 |
| ER32-9/16"  | 9/16  | 32 | 33 | 29.2 | 40 |
| ER32-19/32" | 19/32 | 32 | 33 | 29.2 | 40 |
| ER32-5/8"   | 5/8   | 32 | 33 | 29.2 | 40 |
| ER32-21/32" | 21/32 | 32 | 33 | 29.2 | 40 |
| ER32-11/16" | 11/16 | 32 | 33 | 29.2 | 40 |
| ER32-23/32" | 23/32 | 32 | 33 | 29.2 | 40 |
| ER32-3/4"   | 3/4   | 32 | 33 | 29.2 | 40 |
| ER32-25/32" | 25/32 | 32 | 33 | 29.2 | 40 |

## ER Collet

### ER 弹簧夹头



#### Metric

| Size        | d     | D1 | D  | D2   | L  |
|-------------|-------|----|----|------|----|
| ER40-1/8"   | 1/8   | 40 | 41 | 36.2 | 46 |
| ER40-5/32"  | 5/32  | 40 | 41 | 36.2 | 46 |
| ER40-3/16"  | 3/16  | 40 | 41 | 36.2 | 46 |
| ER40-7/32"  | 7/32  | 40 | 41 | 36.2 | 46 |
| ER40-1/4"   | 1/4   | 40 | 41 | 36.2 | 46 |
| ER40-9/32"  | 9/32  | 40 | 41 | 36.2 | 46 |
| ER40-5/16"  | 5/16  | 40 | 41 | 36.2 | 46 |
| ER40-11/32" | 11/32 | 40 | 41 | 36.2 | 46 |
| ER40-3/8"   | 3/8   | 40 | 41 | 36.2 | 46 |
| ER40-13/32" | 13/32 | 40 | 41 | 36.2 | 46 |
| ER40-7/16"  | 7/16  | 40 | 41 | 36.2 | 46 |
| ER40-15/32" | 15/32 | 40 | 41 | 36.2 | 46 |
| ER40-1/2"   | 1/2   | 40 | 41 | 36.2 | 46 |
| ER40-17/32" | 17/32 | 40 | 41 | 36.2 | 46 |
| ER40-9/16"  | 9/16  | 40 | 41 | 36.2 | 46 |
| ER40-19/32" | 19/32 | 40 | 41 | 36.2 | 46 |
| ER40-5/8"   | 5/8   | 40 | 41 | 36.2 | 46 |
| ER40-21/32" | 21/32 | 40 | 41 | 36.2 | 46 |
| ER40-11/16" | 11/16 | 40 | 41 | 36.2 | 46 |
| ER40-23/32" | 23/32 | 40 | 41 | 36.2 | 46 |
| ER40-3/4"   | 3/4   | 40 | 41 | 36.2 | 46 |
| ER40-25/32" | 25/32 | 40 | 41 | 36.2 | 46 |
| ER40-13/16" | 13/16 | 40 | 41 | 36.2 | 46 |
| ER40-27/32" | 27/32 | 40 | 41 | 36.2 | 46 |
| ER40-7/8"   | 7/8   | 40 | 41 | 36.2 | 46 |
| ER40-29/32" | 29/32 | 40 | 41 | 36.2 | 46 |
| ER40-15/16" | 15/16 | 40 | 41 | 36.2 | 46 |
| ER40-31/32" | 31/32 | 40 | 41 | 36.2 | 46 |

| Size         | d      | D1 | D  | D2 | L  |
|--------------|--------|----|----|----|----|
| ER50-1/4"    | 1/4    | 50 | 52 | 46 | 60 |
| ER50-9/32"   | 9/32   | 50 | 52 | 46 | 60 |
| ER50-5/16"   | 5/16   | 50 | 52 | 46 | 60 |
| ER50-11/32"  | 11/32  | 50 | 52 | 46 | 60 |
| ER50-3/8"    | 3/8    | 50 | 52 | 46 | 60 |
| ER50-13/32"  | 13/32  | 50 | 52 | 46 | 60 |
| ER50-7/16"   | 7/16   | 50 | 52 | 46 | 60 |
| ER50-15/32"  | 15/32  | 50 | 52 | 46 | 60 |
| ER50-1/2"    | 1/2    | 50 | 52 | 46 | 60 |
| ER50-17/32"  | 17/32  | 50 | 52 | 46 | 60 |
| ER50-9/16"   | 9/16   | 50 | 52 | 46 | 60 |
| ER50-19/32"  | 19/32  | 50 | 52 | 46 | 60 |
| ER50-5/8"    | 5/8    | 50 | 52 | 46 | 60 |
| ER50-21/32"  | 21/32  | 50 | 52 | 46 | 60 |
| ER50-11/16"  | 11/16  | 50 | 52 | 46 | 60 |
| ER50-23/32"  | 23/32  | 50 | 52 | 46 | 60 |
| ER50-3/4"    | 3/4    | 50 | 52 | 46 | 60 |
| ER50-25/32"  | 25/32  | 50 | 52 | 46 | 60 |
| ER50-13/16"  | 13/16  | 50 | 52 | 46 | 60 |
| ER50-27/32"  | 27/32  | 50 | 52 | 46 | 60 |
| ER50-7/8"    | 7/8    | 50 | 52 | 46 | 60 |
| ER50-29/32"  | 29/32  | 50 | 52 | 46 | 60 |
| ER50-15/16"  | 15/16  | 50 | 52 | 46 | 60 |
| ER50-31/32"  | 31/32  | 50 | 52 | 46 | 60 |
| ER50-1"      | 1"     | 50 | 52 | 46 | 60 |
| ER50-1-1/32" | 1-1/32 | 50 | 52 | 46 | 60 |
| ER50-1-1/16" | 1-1/16 | 50 | 52 | 46 | 60 |
| ER50-1-3/32" | 1-3/32 | 50 | 52 | 46 | 60 |
| ER50-1-1/8"  | 1-1/8  | 50 | 52 | 46 | 60 |
| ER50-1-5/32" | 1-5/32 | 50 | 52 | 46 | 60 |
| ER50-1-3/16" | 1-3/16 | 50 | 52 | 46 | 60 |
| ER50-1-7/32" | 1-7/32 | 50 | 52 | 46 | 60 |
| ER50-1-1/4"  | 1-1/4  | 50 | 52 | 46 | 60 |
| ER50-1-9/32" | 1-9/32 | 50 | 52 | 46 | 60 |
| ER50-1-5/16" | 1-5/16 | 50 | 52 | 46 | 60 |

## ER Collet Set

### ER 筒夹套装



#### Metric

| Size        | Collet Diameter                                                | PCS/SET |
|-------------|----------------------------------------------------------------|---------|
| ER8-9 PCS   | 1,1.5,2,2.5,3,3.5,4,4.5,5                                      | 9       |
| ER8-5 PCS   | 1,2,3,4,5                                                      | 5       |
| ER11-7 PCS  | 1,2,3,4,5,6,7                                                  | 7       |
| ER11-13 PCS | 1,1.5,2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7                          | 13      |
| ER16-10 PCS | 1,2,3,4,5,6,7,8,9,10                                           | 10      |
| ER20-13 PCS | 1,2,3,4,5,6,7,8,9,10,11,12,13                                  | 13      |
| ER25-15 PCS | 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16                           | 15      |
| ER32-18 PCS | 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20                 | 18      |
| ER40-23 PCS | 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26 | 23      |

#### Inch

| Size               | Collet Diameter                                                                                                                        | PCS/SET |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------|
| ER8-6 PCS (inch)   | 1/32, 1/16, 3/32, 1/8, 5/32, 3/16                                                                                                      | 6       |
| ER16-8 PCS (inch)  | 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8                                                                                           | 8       |
| ER20-11 PCS (inch) | 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2                                                                          | 11      |
| ER25-9 PCS (inch)  | 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8                                                                                        | 9       |
| ER32-18 PCS (inch) | 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2, 9/16, 5/8, 11/16, 23/32, 3/4"                             | 18      |
| ER40-23 PCS (inch) | 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2, 9/16, 5/8, 11/16, 23/32, 3/4, 13/16, 27/32, 7/8, 29/32, 1 | 23      |

## ER Collet Chuck Set

## ER 刀柄套装



| Size                     | ER Collet Chuck  | ER Collet | Pull Stud    | Spanner | Coolant Tube |
|--------------------------|------------------|-----------|--------------|---------|--------------|
| BT40-ER16-100-10 PCS     | BT40-ER16-100    | 1-10      | BT40-45°CO   | ER16A   | -            |
| BT40-ER20-100-13 PCS     | BT40-ER20-100    | 1-13      | BT40-45°CO   | ER20A   | -            |
| BT40-ER25-100-15 PCS     | BT40-ER25-100    | 2-16      | BT40-45°CO   | ER25UM  | -            |
| BT40-ER32-100-18 PCS     | BT40-ER32-100    | 3-20      | BT40-45°CO   | ER32UM  | -            |
| BT40-ER40-100-23 PCS     | BT40-ER40-100    | 4-26      | BT40-45°CO   | ER40UM  | -            |
| SK40-ER16-100-10 PCS     | SK40-ER16-100    | 1-10      | SK40-45°CO   | ER16A   | -            |
| SK40-ER20-100-13 PCS     | SK40-ER20-100    | 1-13      | SK40-45°CO   | ER20A   | -            |
| SK40-ER25-100-15 PCS     | SK40-ER25-100    | 2-16      | SK40-45°CO   | ER25UM  | -            |
| SK40-ER32-100-18 PCS     | SK40-ER32-100    | 3-20      | SK40-45°CO   | ER32UM  | -            |
| SK40-ER40-100-23 PCS     | SK40-ER40-100    | 4-26      | SK40-45°CO   | ER40UM  | -            |
| CAT40-ER16-4" -10 PCS    | CAT40-ER16-4"    | 1-10      | BT-CAT40C-45 | ER16UM  | -            |
| CAT40-ER20-4" -13 PCS    | CAT40-ER20-4"    | 1-13      | BT-CAT40C-45 | ER20UM  | -            |
| CAT40-ER25-4" -15 PCS    | CAT40-ER25-4"    | 2-16      | BT-CAT40C-45 | ER25UM  | -            |
| CAT40-ER32-4" -18 PCS    | CAT40-ER32-4"    | 3-20      | BT-CAT40C-45 | ER32UM  | -            |
| CAT40-ER40-4" -23 PCS    | CAT40-ER40-4"    | 4-26      | BT-CAT40C-45 | ER40UM  | -            |
| NT40-ER16-100-10 PCS     | NT40-ER16-100    | 1-10      | NT40-45°CO   | ER16A   | -            |
| NT40-ER20-100-13 PCS     | NT40-ER20-100    | 1-13      | NT40-45°CO   | ER20A   | -            |
| NT40-ER25-100-15 PCS     | NT40-ER25-100    | 2-16      | NT40-45°CO   | ER25UM  | -            |
| NT40-ER32-100-18 PCS     | NT40-ER32-100    | 3-20      | NT40-45°CO   | ER32UM  | -            |
| NT40-ER40-80-23 PCS      | NT40-ER40-80     | 4-26      | NT40-45°CO   | ER40UM  | -            |
| HSK63A-ER16UM-75 -10 PCS | HSK63A-ER16UM-75 | 1-10      | -            | ER16UM  | CT63         |
| HSK63A-ER20UM-75-13 PCS  | HSK63A-ER20UM-75 | 1-13      | -            | ER20UM  | CT63         |
| HSK63A-ER25-75 -15 PCS   | HSK63A-ER25-75   | 2-16      | -            | ER25UM  | CT63         |
| HSK63A-ER32-75-18 PCS    | HSK63A-ER32-75   | 3-20      | -            | ER32UM  | CT63         |
| HSK63A-ER40-80-23 PCS    | HSK63A-ER40-80   | 4-26      | -            | ER40UM  | CT63         |

For the pull stud, we have two types, you can choose that as you need. But now this type is the most popular one.  
拉钉提供两种规格可选，客户可根据需求选择，目前这款是使用更广泛的型号。

## ER Collet Chuck Set

### ER 刀柄套装



| Size          | ER Collet Chuck | Pull Stud    | Spanner |
|---------------|-----------------|--------------|---------|
| BT40-ER16 SET | BT40-ER16-70    | BT40-45°CO*3 | ER16A   |
|               | BT40-ER16-100   |              |         |
|               | BT40-ER16-160   |              |         |
| BT40-ER20 SET | BT40-ER20-70    | BT40-45°CO*3 | ER20A   |
|               | BT40-ER20-100   |              |         |
|               | BT40-ER20-160   |              |         |
| BT40-ER25 SET | BT40-ER25-70    | BT40-45°CO*3 | ER25UM  |
|               | BT40-ER25-100   |              |         |
|               | BT40-ER25-160   |              |         |
| BT40-ER32 SET | BT40-ER32-70    | BT40-45°CO*3 | ER32UM  |
|               | BT40-ER32-100   |              |         |
|               | BT40-ER32-160   |              |         |
| BT40-ER40 SET | BT40-ER40-80    | BT40-45°CO*3 | ER40UM  |
|               | BT40-ER40-100   |              |         |
|               | BT40-ER40-160   |              |         |
| SK40-ER16 SET | SK40-ER16-70    | SK40A*3      | ER16A   |
|               | SK40-ER16-100   |              |         |
|               | SK40-ER16-160   |              |         |
| SK40-ER20 SET | SK40-ER20-70    | SK40A*3      | ER20A   |
|               | SK40-ER20-100   |              |         |
|               | SK40-ER20-160   |              |         |
| SK40-ER25 SET | SK40-ER25-70    | SK40A*3      | ER25UM  |
|               | SK40-ER25-100   |              |         |
|               | SK40-ER25-160   |              |         |
| SK40-ER32 SET | SK40-ER32-70    | SK40A*3      | ER32UM  |
|               | SK40-ER32-100   |              |         |
|               | SK40-ER32-160   |              |         |
| SK40-ER40 SET | SK40-ER40-80    | SK40A*3      | ER40UM  |
|               | SK40-ER40-100   |              |         |
|               | SK40-ER40-160   |              |         |

## ER Collet Chuck Set

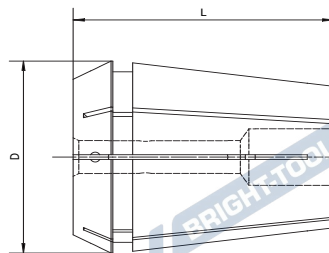
### ER 刀柄套装



| Size            | ER Collet Chuck | Pull Stud       | Coolant Tube | Spanner |
|-----------------|-----------------|-----------------|--------------|---------|
| CAT40-ER16 SET  | CAT40-ER16-2.5" | BT-CAT40C-45 *3 | -            | -       |
|                 | CAT40-ER16-4"   |                 |              |         |
|                 | CAT40-ER16-6.3" |                 |              |         |
| CAT40-ER20 SET  | CAT40-ER20-2.5" | BT-CAT40C-45 *3 | -            | -       |
|                 | CAT40-ER20-4"   |                 |              |         |
|                 | CAT40-ER20-6.3" |                 |              |         |
| CAT40-ER25 SET  | CAT40-ER25-2.5" | BT-CAT40C-45 *3 | -            | -       |
|                 | CAT40-ER25-4"   |                 |              |         |
|                 | CAT40-ER25-6.3" |                 |              |         |
| CAT40-ER32 SET  | CAT40-ER32-2.5" | BT-CAT40C-45 *3 | -            | -       |
|                 | CAT40-ER32-4"   |                 |              |         |
|                 | CAT40-ER32-6.3" |                 |              |         |
| CAT40-ER40 SET  | CAT40-ER40-2.5" | BT-CAT40C-45 *3 | -            | -       |
|                 | CAT40-ER40-4"   |                 |              |         |
|                 | CAT40-ER40-6.3" |                 |              |         |
| HSK63A-ER16 SET | HSK63A-ER16-75  | -               | CT63*3       | CT63*3  |
|                 | HSK63A-ER16-100 |                 |              |         |
|                 | HSK63A-ER16-160 |                 |              |         |
| HSK63-ER20 SET  | HSK63A-ER20-75  | -               | CT63*3       | CT63*3  |
|                 | HSK63A-ER20-100 |                 |              |         |
|                 | HSK63A-ER20-160 |                 |              |         |
| HSK63-ER25 SET  | HSK63A-ER25-75  | -               | CT63*3       | CT63*3  |
|                 | HSK63A-ER25-100 |                 |              |         |
|                 | HSK63A-ER25-160 |                 |              |         |
| HSK63-ER32 SET  | HSK63A-ER32-75  | -               | CT63*3       | CT63*3  |
|                 | HSK63A-ER32-100 |                 |              |         |
|                 | HSK63A-ER32-160 |                 |              |         |
| HSK63-ER40 SET  | HSK63A-ER40-80  | -               | CT63*3       | CT63*3  |
|                 | HSK63A-ER40-100 |                 |              |         |
|                 | HSK63A-ER40-160 |                 |              |         |

## Rubber Sealed Collet

### ER 胶条止水筒夹



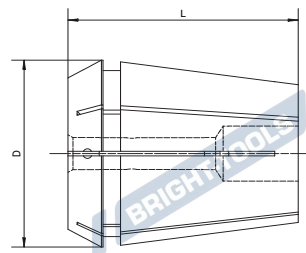
| Size     | D     | L    | Diameter |
|----------|-------|------|----------|
| ERS16-03 | 16.74 | 27.5 | 3        |
| ERS16-04 | 16.74 | 27.5 | 4        |
| ERS16-05 | 16.74 | 27.5 | 5        |
| ERS16-06 | 16.74 | 27.5 | 6        |
| ERS16-07 | 16.74 | 27.5 | 7        |
| ERS16-08 | 16.74 | 27.5 | 8        |
| ERS16-09 | 16.74 | 27.5 | 9        |
| ERS16-10 | 16.74 | 27.5 | 10       |

|          |       |      |    |
|----------|-------|------|----|
| ERS20-03 | 20.74 | 31.5 | 3  |
| ERS20-04 | 20.74 | 31.5 | 4  |
| ERS20-05 | 20.74 | 31.5 | 5  |
| ERS20-06 | 20.74 | 31.5 | 6  |
| ERS20-07 | 20.74 | 31.5 | 7  |
| ERS20-08 | 20.74 | 31.5 | 8  |
| ERS20-09 | 20.74 | 31.5 | 9  |
| ERS20-10 | 20.74 | 31.5 | 10 |
| ERS20-11 | 20.74 | 31.5 | 11 |
| ERS20-12 | 20.74 | 31.5 | 12 |
| ERS20-13 | 20.74 | 31.5 | 13 |

| Size     | D     | L  | Diameter |
|----------|-------|----|----------|
| ERS25-03 | 25.74 | 34 | 3        |
| ERS25-04 | 25.74 | 34 | 4        |
| ERS25-05 | 25.74 | 34 | 5        |
| ERS25-06 | 25.74 | 34 | 6        |
| ERS25-07 | 25.74 | 34 | 7        |
| ERS25-08 | 25.74 | 34 | 8        |
| ERS25-09 | 25.74 | 34 | 9        |
| ERS25-10 | 25.74 | 34 | 10       |
| ERS25-11 | 25.74 | 34 | 11       |
| ERS25-12 | 25.74 | 34 | 12       |
| ERS25-13 | 25.74 | 34 | 13       |
| ERS25-14 | 25.74 | 34 | 14       |
| ERS25-15 | 25.74 | 34 | 15       |
| ERS25-16 | 25.74 | 34 | 16       |

## Rubber Sealed Collet

### ER 胶条止水筒夹

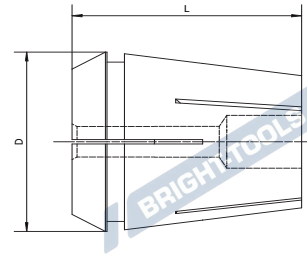


| Size     | D     | L  | Diameter |
|----------|-------|----|----------|
| ERS32-03 | 32.74 | 40 | 3        |
| ERS32-04 | 32.74 | 40 | 4        |
| ERS32-05 | 32.74 | 40 | 5        |
| ERS32-06 | 32.74 | 40 | 6        |
| ERS32-07 | 32.74 | 40 | 7        |
| ERS32-08 | 32.74 | 40 | 8        |
| ERS32-09 | 32.74 | 40 | 9        |
| ERS32-10 | 32.74 | 40 | 10       |
| ERS32-11 | 32.74 | 40 | 11       |
| ERS32-12 | 32.74 | 40 | 12       |
| ERS32-13 | 32.74 | 40 | 13       |
| ERS32-14 | 32.74 | 40 | 14       |
| ERS32-15 | 32.74 | 40 | 15       |
| ERS32-16 | 32.74 | 40 | 16       |
| ERS32-17 | 32.74 | 40 | 17       |
| ERS32-18 | 32.74 | 40 | 18       |
| ERS32-19 | 32.74 | 40 | 19       |
| ERS32-20 | 32.74 | 40 | 20       |

| Size     | D     | L  | Diameter |
|----------|-------|----|----------|
| ERS40-04 | 40.74 | 46 | 4        |
| ERS40-05 | 40.74 | 46 | 5        |
| ERS40-06 | 40.74 | 46 | 6        |
| ERS40-07 | 40.74 | 46 | 7        |
| ERS40-08 | 40.74 | 46 | 8        |
| ERS40-09 | 40.74 | 46 | 9        |
| ERS40-10 | 40.74 | 46 | 10       |
| ERS40-11 | 40.74 | 46 | 11       |
| ERS40-12 | 40.74 | 46 | 12       |
| ERS40-13 | 40.74 | 46 | 13       |
| ERS40-14 | 40.74 | 46 | 14       |
| ERS40-15 | 40.74 | 46 | 15       |
| ERS40-16 | 40.74 | 46 | 16       |
| ERS40-17 | 40.74 | 46 | 17       |
| ERS40-18 | 40.74 | 46 | 18       |
| ERS40-19 | 40.74 | 46 | 19       |
| ERS40-20 | 40.74 | 46 | 20       |
| ERS40-21 | 40.74 | 46 | 21       |
| ERS40-22 | 40.74 | 46 | 22       |
| ERS40-23 | 40.74 | 46 | 23       |
| ERS40-24 | 40.74 | 46 | 24       |
| ERS40-25 | 40.74 | 46 | 25       |
| ERS40-26 | 40.74 | 46 | 26       |

## ER Sealed Collet

### ER 刚性止水筒夹



| Size        | D    | L  | Diameter |
|-------------|------|----|----------|
| ER11SS-03   | 11.3 | 18 | 3        |
| ER11SS-03.5 | 11.3 | 18 | 3.5      |
| ER11SS-04   | 11.3 | 18 | 4        |
| ER11SS-04.5 | 11.3 | 18 | 4.5      |
| ER11SS-05   | 11.3 | 18 | 5        |
| ER11SS-05.5 | 11.3 | 18 | 5.5      |
| ER11SS-06   | 11.3 | 18 | 6        |
| ER11SS-06.5 | 11.3 | 18 | 6.5      |
| ER11SS-07   | 11.3 | 18 | 7        |

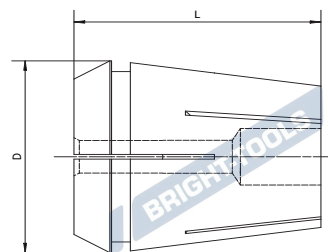
|           |       |      |    |
|-----------|-------|------|----|
| ER16SS-03 | 16.74 | 27.5 | 3  |
| ER16SS-04 | 16.74 | 27.5 | 4  |
| ER16SS-05 | 16.74 | 27.5 | 5  |
| ER16SS-06 | 16.74 | 27.5 | 6  |
| ER16SS-07 | 16.74 | 27.5 | 7  |
| ER16SS-08 | 16.74 | 27.5 | 8  |
| ER16SS-09 | 16.74 | 27.5 | 9  |
| ER16SS-10 | 16.74 | 27.5 | 10 |

|           |       |      |    |
|-----------|-------|------|----|
| ER20SS-03 | 20.74 | 31.5 | 3  |
| ER20SS-04 | 20.74 | 31.5 | 4  |
| ER20SS-05 | 20.74 | 31.5 | 5  |
| ER20SS-06 | 20.74 | 31.5 | 6  |
| ER20SS-07 | 20.74 | 31.5 | 7  |
| ER20SS-08 | 20.74 | 31.5 | 8  |
| ER20SS-09 | 20.74 | 31.5 | 9  |
| ER20SS-10 | 20.74 | 31.5 | 10 |
| ER20SS-11 | 20.74 | 31.5 | 11 |
| ER20SS-12 | 20.74 | 31.5 | 12 |
| ER20SS-13 | 20.74 | 31.5 | 13 |

| Size      | D     | L  | Diameter |
|-----------|-------|----|----------|
| ER25SS-03 | 25.74 | 34 | 3        |
| ER25SS-04 | 25.74 | 34 | 4        |
| ER25SS-05 | 25.74 | 34 | 5        |
| ER25SS-06 | 25.74 | 34 | 6        |
| ER25SS-07 | 25.74 | 34 | 7        |
| ER25SS-08 | 25.74 | 34 | 8        |
| ER25SS-09 | 25.74 | 34 | 9        |
| ER25SS-10 | 25.74 | 34 | 10       |
| ER25SS-11 | 25.74 | 34 | 11       |
| ER25SS-12 | 25.74 | 34 | 12       |
| ER25SS-13 | 25.74 | 34 | 13       |
| ER25SS-14 | 25.74 | 34 | 14       |
| ER25SS-15 | 25.74 | 34 | 15       |
| ER25SS-16 | 25.74 | 34 | 16       |

## ER Sealed Collet

### ER 刚性止水筒夹

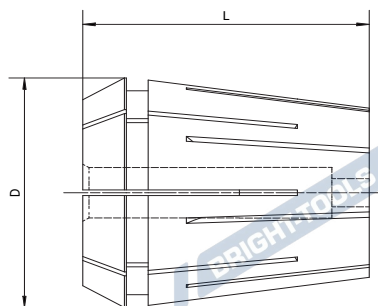


| Size      | D     | L  | Diameter |
|-----------|-------|----|----------|
| ER32SS-03 | 32.74 | 40 | 3        |
| ER32SS-04 | 32.74 | 40 | 4        |
| ER32SS-05 | 32.74 | 40 | 5        |
| ER32SS-06 | 32.74 | 40 | 6        |
| ER32SS-07 | 32.74 | 40 | 7        |
| ER32SS-08 | 32.74 | 40 | 8        |
| ER32SS-09 | 32.74 | 40 | 9        |
| ER32SS-10 | 32.74 | 40 | 10       |
| ER32SS-11 | 32.74 | 40 | 11       |
| ER32SS-12 | 32.74 | 40 | 12       |
| ER32SS-13 | 32.74 | 40 | 13       |
| ER32SS-14 | 32.74 | 40 | 14       |
| ER32SS-15 | 32.74 | 40 | 15       |
| ER32SS-16 | 32.74 | 40 | 16       |
| ER32SS-17 | 32.74 | 40 | 17       |
| ER32SS-18 | 32.74 | 40 | 18       |
| ER32SS-19 | 32.74 | 40 | 19       |
| ER32SS-20 | 32.74 | 40 | 20       |

| Size      | D     | L  | Diameter |
|-----------|-------|----|----------|
| ER40SS-04 | 40.74 | 46 | 4        |
| ER40SS-05 | 40.74 | 46 | 5        |
| ER40SS-06 | 40.74 | 46 | 6        |
| ER40SS-07 | 40.74 | 46 | 7        |
| ER40SS-08 | 40.74 | 46 | 8        |
| ER40SS-09 | 40.74 | 46 | 9        |
| ER40SS-10 | 40.74 | 46 | 10       |
| ER40SS-11 | 40.74 | 46 | 11       |
| ER40SS-12 | 40.74 | 46 | 12       |
| ER40SS-13 | 40.74 | 46 | 13       |
| ER40SS-14 | 40.74 | 46 | 14       |
| ER40SS-15 | 40.74 | 46 | 15       |
| ER40SS-16 | 40.74 | 46 | 16       |
| ER40SS-17 | 40.74 | 46 | 17       |
| ER40SS-18 | 40.74 | 46 | 18       |
| ER40SS-19 | 40.74 | 46 | 19       |
| ER40SS-20 | 40.74 | 46 | 20       |
| ER40SS-21 | 40.74 | 46 | 21       |
| ER40SS-22 | 40.74 | 46 | 22       |
| ER40SS-23 | 40.74 | 46 | 23       |
| ER40SS-24 | 40.74 | 46 | 24       |
| ER40SS-25 | 40.74 | 46 | 25       |
| ER40SS-26 | 40.74 | 46 | 26       |

## ER Tapping Collet

### ER 攻丝筒夹



| Size            | D     | L    | Diameter |
|-----------------|-------|------|----------|
| ER16G (3.5*2.7) | 16.74 | 27.5 | 3.5*2.7  |
| ER16G (4.0*3.0) | 16.74 | 27.5 | 4.0*3.0  |
| ER16G (4.5*3.4) | 16.74 | 27.5 | 4.5*3.4  |
| ER16G (5.5*4.3) | 16.74 | 27.5 | 5.5*4.3  |
| ER16G (6*4.9)   | 16.74 | 27.5 | 6*4.9    |
| ER16G (7*5.5)   | 16.74 | 27.5 | 7*5.5    |
| ER16G (8*6.2)   | 16.74 | 27.5 | 8*6.2    |

|                 |       |      |         |
|-----------------|-------|------|---------|
| ER20G (3.5*2.7) | 20.74 | 31.5 | 3.5*2.7 |
| ER20G (4.0*3.0) | 20.74 | 31.5 | 4.0*3.0 |
| ER20G (4.5*3.4) | 20.74 | 31.5 | 4.5*3.4 |
| ER20G (5.5*4.3) | 20.74 | 31.5 | 5.5*4.3 |
| ER20G (6.0*4.9) | 20.74 | 31.5 | 6.0*4.9 |
| ER20G (7*5.5)   | 20.74 | 31.5 | 7*5.5   |
| ER20G (8*6.2)   | 20.74 | 31.5 | 8*6.2   |
| ER20G (9*7.0)   | 20.74 | 31.5 | 9*7.0   |
| ER20G (10*8.0)  | 20.74 | 31.5 | 10*8.0  |

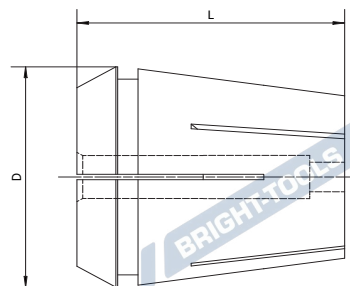
|                 |       |    |         |
|-----------------|-------|----|---------|
| ER25G (3.5*2.7) | 25.74 | 34 | 3.5*2.7 |
| ER25G (4.0*3.0) | 25.74 | 34 | 4.0*3.0 |
| ER25G (4.5*3.4) | 25.74 | 34 | 4.5*3.4 |
| ER25G (5.5*4.3) | 25.74 | 34 | 5.5*4.3 |
| ER25G (6.0*4.9) | 25.74 | 34 | 6.0*4.9 |
| ER25G (7.0*5.5) | 25.74 | 34 | 7.0*5.5 |
| ER25G (8.0*6.2) | 25.74 | 34 | 8.0*6.2 |
| ER25G (9*7.0)   | 25.74 | 34 | 9*7.0   |
| ER25G (10*8.0)  | 25.74 | 34 | 10*8.0  |
| ER25G (11*9.0)  | 25.74 | 34 | 11*9.0  |
| ER25G (12*9.0)  | 25.74 | 34 | 12*9.0  |
| ER25G (14*11.0) | 25.74 | 34 | 14*11.0 |
| ER25G (16*12.0) | 25.74 | 34 | 16*12.0 |

| Size            | D     | L  | Diameter |
|-----------------|-------|----|----------|
| ER32G (3.5*2.7) | 32.74 | 40 | 3.5*2.7  |
| ER32G (4.0*3.0) | 32.74 | 40 | 4.0*3.0  |
| ER32G (4.5*3.4) | 32.74 | 40 | 4.5*3.4  |
| ER32G (5.5*4.3) | 32.74 | 40 | 5.5*4.3  |
| ER32G (6.0*4.9) | 32.74 | 40 | 6.0*4.9  |
| ER32G (7.0*5.5) | 32.74 | 40 | 7.0*5.5  |
| ER32G (8.0*6.2) | 32.74 | 40 | 8.0*6.2  |
| ER32G (9.0*7.0) | 32.74 | 40 | 9.0*7.0  |
| ER32G (10*8.0)  | 32.74 | 40 | 10*8.0   |
| ER32G (11*9.0)  | 32.74 | 40 | 11*9.0   |
| ER32G (12*9.0)  | 32.74 | 40 | 12*9.0   |
| ER32G (14*11.0) | 32.74 | 40 | 14*11.0  |
| ER32G (16*12.0) | 32.74 | 40 | 16*12.0  |
| ER32G (18*14.5) | 32.74 | 40 | 18*14.5  |
| ER32G (20*16.0) | 32.74 | 40 | 20*16.0  |

|                  |       |    |          |
|------------------|-------|----|----------|
| ER40G (3.5*2.7)  | 40.74 | 46 | 3.5*2.7  |
| ER40G (4.0*3.0)  | 40.74 | 46 | 4.0*3.0  |
| ER40G (4.5*3.4)  | 40.74 | 46 | 4.5*3.4  |
| ER40G (5.5*4.3)  | 40.74 | 46 | 5.5*4.3  |
| ER40G (6.0*4.9)  | 40.74 | 46 | 6.0*4.9  |
| ER40G (7.0*5.5)  | 40.74 | 46 | 7.0*5.5  |
| ER40G (8.0*6.2)  | 40.74 | 46 | 8.0*6.2  |
| ER40G (9.0*7.0)  | 40.74 | 46 | 9.0*7.0  |
| ER40G (10.0*8.0) | 40.74 | 46 | 10.0*8.0 |
| ER40G (11*9.0)   | 40.74 | 46 | 11*9.0   |
| ER40G (12*9.0)   | 40.74 | 46 | 12*9.0   |
| ER40G (14*11.0)  | 40.74 | 46 | 14*11.0  |
| ER40G (16*12.0)  | 40.74 | 46 | 16*12.0  |
| ER40G (18*14.5)  | 40.74 | 46 | 18*14.5  |
| ER40G (20*16.0)  | 40.74 | 46 | 20*16.0  |
| ER40G (22*18.0)  | 40.74 | 46 | 22*18.0  |
| ER40G (25*20.0)  | 40.74 | 46 | 25*20.0  |

## ER Tapping Sealed Collet

### ER 止水攻丝筒夹



| Size             | D     | L    | Diameter |
|------------------|-------|------|----------|
| ERS16G (3.5*2.7) | 16.74 | 27.5 | 3.5*2.7  |
| ERS16G (4.0*3.0) | 16.74 | 27.5 | 4.0*3.0  |
| ERS16G (4.5*3.4) | 16.74 | 27.5 | 4.5*3.4  |
| ERS16G (5.5*4.3) | 16.74 | 27.5 | 5.5*4.3  |
| ERS16G (6*4.9)   | 16.74 | 27.5 | 6*4.9    |
| ERS16G (7*5.5)   | 16.74 | 27.5 | 7*5.5    |
| ERS16G (8*6.2)   | 16.74 | 27.5 | 8*6.2    |

|                  |       |      |         |
|------------------|-------|------|---------|
| ERS20G (3.5*2.7) | 20.74 | 31.5 | 3.5*2.7 |
| ERS20G (4.0*3.0) | 20.74 | 31.5 | 4.0*3.0 |
| ERS20G (4.5*3.4) | 20.74 | 31.5 | 4.5*3.4 |
| ERS20G (5.5*4.3) | 20.74 | 31.5 | 5.5*4.3 |
| ERS20G (6.0*4.9) | 20.74 | 31.5 | 6.0*4.9 |
| ERS20G (7*5.5)   | 20.74 | 31.5 | 7*5.5   |
| ERS20G (8*6.2)   | 20.74 | 31.5 | 8*6.2   |
| ERS20G (9*7.0)   | 20.74 | 31.5 | 9*7.0   |
| ERS20G (10*8.0)  | 20.74 | 31.5 | 10*8.0  |

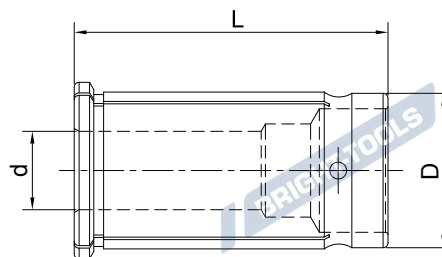
|                  |       |    |         |
|------------------|-------|----|---------|
| ERS25G (3.5*2.7) | 25.74 | 34 | 3.5*2.7 |
| ERS25G (4.0*3.0) | 25.74 | 34 | 4.0*3.0 |
| ERS25G (4.5*3.4) | 25.74 | 34 | 4.5*3.4 |
| ERS25G (5.5*4.3) | 25.74 | 34 | 5.5*4.3 |
| ERS25G (6.0*4.9) | 25.74 | 34 | 6.0*4.9 |
| ERS25G (7.0*5.5) | 25.74 | 34 | 7.0*5.5 |
| ERS25G (8.0*6.2) | 25.74 | 34 | 8.0*6.2 |
| ERS25G (9*7.0)   | 25.74 | 34 | 9*7.0   |
| ERS25G (10*8.0)  | 25.74 | 34 | 10*8.0  |
| ERS25G (11*9.0)  | 25.74 | 34 | 11*9.0  |
| ERS25G (12*9.0)  | 25.74 | 34 | 12*9.0  |
| ERS25G (14*11.0) | 25.74 | 34 | 14*11.0 |
| ERS25G (16*12.0) | 25.74 | 34 | 16*12.0 |

| Size             | D     | L  | Diameter |
|------------------|-------|----|----------|
| ERS32G (3.5*2.7) | 32.74 | 40 | 3.5*2.7  |
| ERS32G (4.0*3.0) | 32.74 | 40 | 4.0*3.0  |
| ERS32G (4.5*3.4) | 32.74 | 40 | 4.5*3.4  |
| ERS32G (5.5*4.3) | 32.74 | 40 | 5.5*4.3  |
| ERS32G (6.0*4.9) | 32.74 | 40 | 6.0*4.9  |
| ERS32G (7.0*5.5) | 32.74 | 40 | 7.0*5.5  |
| ERS32G (8.0*6.2) | 32.74 | 40 | 8.0*6.2  |
| ERS32G (9.0*7.0) | 32.74 | 40 | 9.0*7.0  |
| ERS32G (10*8.0)  | 32.74 | 40 | 10*8.0   |
| ERS32G (11*9.0)  | 32.74 | 40 | 11*9.0   |
| ERS32G (12*9.0)  | 32.74 | 40 | 12*9.0   |
| ERS32G (14*11.0) | 32.74 | 40 | 14*11.0  |
| ERS32G (16*12.0) | 32.74 | 40 | 16*12.0  |
| ERS32G (18*14.5) | 32.74 | 40 | 18*14.5  |
| ERS32G (20*16.0) | 32.74 | 40 | 20*16.0  |

|                   |       |    |          |
|-------------------|-------|----|----------|
| ERS40G (3.5*2.7)  | 40.74 | 46 | 3.5*2.7  |
| ERS40G (4.0*3.0)  | 40.74 | 46 | 4.0*3.0  |
| ERS40G (4.5*3.4)  | 40.74 | 46 | 4.5*3.4  |
| ERS40G (5.5*4.3)  | 40.74 | 46 | 5.5*4.3  |
| ERS40G (6.0*4.9)  | 40.74 | 46 | 6.0*4.9  |
| ERS40G (7.0*5.5)  | 40.74 | 46 | 7.0*5.5  |
| ERS40G (8.0*6.2)  | 40.74 | 46 | 8.0*6.2  |
| ERS40G (9.0*7.0)  | 40.74 | 46 | 9.0*7.0  |
| ERS40G (10.0*8.0) | 40.74 | 46 | 10.0*8.0 |
| ERS40G (11*9.0)   | 40.74 | 46 | 11*9.0   |
| ERS40G (12*9.0)   | 40.74 | 46 | 12*9.0   |
| ERS40G (14*11.0)  | 40.74 | 46 | 14*11.0  |
| ERS40G (16*12.0)  | 40.74 | 46 | 16*12.0  |
| ERS40G (18*14.5)  | 40.74 | 46 | 18*14.5  |
| ERS40G (20*16.0)  | 40.74 | 46 | 20*16.0  |
| ERS40G (22*18.0)  | 40.74 | 46 | 22*18.0  |
| ERS40G (25*20.0)  | 40.74 | 46 | 25*20.0  |

## Straight Shank Collet

### SC 直柄筒夹



#### Metric

| Size    | d  | D  | L  |
|---------|----|----|----|
| SC16-03 | 3  | 16 | 45 |
| SC16-04 | 4  | 16 | 45 |
| SC16-05 | 5  | 16 | 45 |
| SC16-06 | 6  | 16 | 45 |
| SC16-08 | 8  | 16 | 45 |
| SC16-10 | 10 | 16 | 45 |
| SC16-12 | 12 | 16 | 45 |

|         |    |    |    |
|---------|----|----|----|
| SC20-03 | 3  | 20 | 50 |
| SC20-04 | 4  | 20 | 50 |
| SC20-05 | 5  | 20 | 50 |
| SC20-06 | 6  | 20 | 50 |
| SC20-08 | 8  | 20 | 50 |
| SC20-10 | 10 | 20 | 50 |
| SC20-12 | 12 | 20 | 50 |
| SC20-14 | 14 | 20 | 50 |
| SC20-16 | 16 | 20 | 50 |

|         |    |    |    |
|---------|----|----|----|
| SC25-03 | 3  | 25 | 60 |
| SC25-04 | 4  | 25 | 60 |
| SC25-05 | 5  | 25 | 60 |
| SC25-06 | 6  | 25 | 60 |
| SC25-08 | 8  | 25 | 60 |
| SC25-10 | 10 | 25 | 60 |
| SC25-12 | 12 | 25 | 60 |
| SC25-14 | 14 | 25 | 60 |
| SC25-16 | 16 | 25 | 60 |
| SC25-18 | 18 | 25 | 60 |
| SC25-20 | 20 | 25 | 60 |

| Size    | d  | D  | L  |
|---------|----|----|----|
| SC32-03 | 3  | 32 | 64 |
| SC32-04 | 4  | 32 | 64 |
| SC32-05 | 5  | 32 | 64 |
| SC32-06 | 6  | 32 | 64 |
| SC32-08 | 8  | 32 | 64 |
| SC32-10 | 10 | 32 | 64 |
| SC32-12 | 12 | 32 | 64 |

|         |    |    |    |
|---------|----|----|----|
| SC32-14 | 14 | 32 | 64 |
| SC32-16 | 16 | 32 | 64 |
| SC32-18 | 18 | 32 | 64 |
| SC32-20 | 20 | 32 | 64 |
| SC32-25 | 25 | 32 | 64 |

|         |   |    |    |
|---------|---|----|----|
| SC42-03 | 3 | 42 | 80 |
| SC42-04 | 4 | 42 | 80 |
| SC42-05 | 5 | 42 | 80 |
| SC42-06 | 6 | 42 | 80 |
| SC42-08 | 8 | 42 | 80 |

|         |    |    |    |
|---------|----|----|----|
| SC42-10 | 10 | 42 | 80 |
| SC42-12 | 12 | 42 | 80 |
| SC42-14 | 14 | 42 | 80 |
| SC42-16 | 16 | 42 | 80 |
| SC42-18 | 18 | 42 | 80 |
| SC42-20 | 20 | 42 | 80 |
| SC42-22 | 22 | 42 | 80 |
| SC42-24 | 24 | 42 | 80 |
| SC42-25 | 25 | 42 | 80 |
| SC42-28 | 28 | 42 | 80 |
| SC42-30 | 30 | 42 | 80 |
| SC42-32 | 32 | 42 | 80 |

## Power Milling Chuck Set

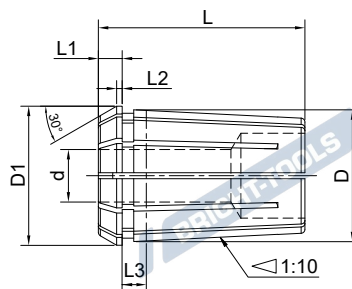
### 强力刀柄套装



| Size                    | Power Milling Chuck | SC Collet               | Pull Stud    | Coolant Tube | Spanner |
|-------------------------|---------------------|-------------------------|--------------|--------------|---------|
| BT40-CT20SA-90-5 PCS    | BT40-CT20SA-90      | SC20-6,8,10,12,16       | BT40-45°CO   | -            | C20     |
| BT40-CT32SA-105-7 PCS   | BT40-CT32SA-1050    | SC32-6,8,10,12,16,20,25 | BT40-45°CO   | -            | C32     |
| SK40-CT20SA-90-5 PCS    | SK40-CT20SA-90      | SC20-6,8,10,12,16       | SK40A        | -            | C20     |
| SK40-CT32SA-105-7 PCS   | SK40-CT32SA-105     | SC32-6,8,10,12,16,20,25 | SK40A        | -            | C32     |
| CAT40-CT20SA-90-5 PCS   | CAT40-CT20SA-90     | SC20-6,8,10,12,16       | BT-CAT40C-45 | -            | C20     |
| CAT40-CT32SA-105-7 PCS  | CAT40-CT32SA-105    | SC32-6,8,10,12,16,20,25 | BT-CAT40C-45 | -            | C32     |
| HSK63A-CT20SA-90-5 PCS  | HSK63A-CT20SA-90    | SC20-6,8,10,12,16       | -            | CT63         | C20     |
| HSK63A-CT32SA-105-7 PCS | HSK63A-CT32SA-105   | SC32-6,8,10,12,16,20,25 | -            | CT63         | C32     |

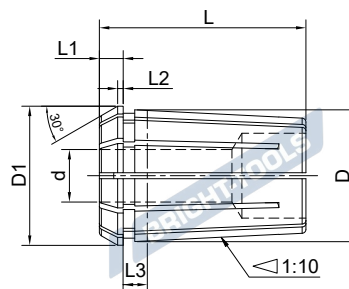
## OZ Collet

### OZ 筒夹 B 型



| Size     | d  | D    | D1    | L  | L1 | L2  | L3 |
|----------|----|------|-------|----|----|-----|----|
| OZ25B-02 | 2  | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-03 | 3  | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-04 | 4  | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-05 | 5  | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-06 | 6  | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-07 | 7  | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-08 | 8  | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-09 | 9  | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-10 | 10 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-11 | 11 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-12 | 12 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-13 | 13 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-14 | 14 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-15 | 15 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-16 | 16 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-17 | 17 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-18 | 18 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-19 | 19 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-20 | 20 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-21 | 21 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-22 | 22 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-23 | 23 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-24 | 24 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |
| OZ25B-25 | 25 | 32.9 | 35.05 | 52 | 6  | 1.4 | 10 |

## OZ Collet OZ 筒夹 B 型



| Size     | d  | D    | D1   | L  | L1 | L2   | L3 |
|----------|----|------|------|----|----|------|----|
| OZ32B-04 | 4  | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-05 | 5  | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-06 | 6  | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-07 | 7  | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-08 | 8  | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-09 | 9  | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-10 | 10 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-11 | 11 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-12 | 12 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-13 | 13 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-14 | 14 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-15 | 15 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-16 | 16 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-17 | 17 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-18 | 18 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-19 | 19 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-20 | 20 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-21 | 21 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-22 | 22 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-23 | 23 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-24 | 24 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-25 | 25 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-26 | 26 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-27 | 27 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-28 | 28 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-29 | 29 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-30 | 30 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-31 | 31 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |
| OZ32B-32 | 32 | 41.3 | 43.7 | 60 | 6  | 1.45 | 11 |

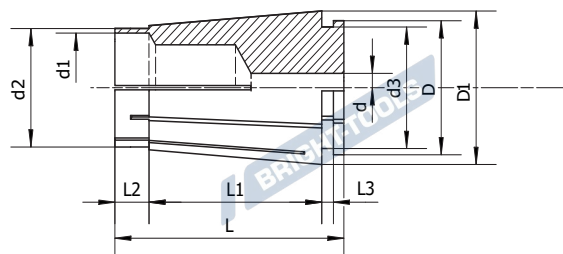
## OZ Collet Chuck Set

### OZ 刀柄套装



| Size                | OZ Collet Chuck | Pull Stud | Spanner |
|---------------------|-----------------|-----------|---------|
| BT40-OZ25-80-15 PCS | BT40-OZ25-80    | BT40-45CO | OZ25    |
| SK40-OZ25-70-15 PCS | SK40-OZ25-70    | SK40A     | OZ25    |
| NT40-OZ25-70-15 PCS | NT40-OZ25-70    | -         | OZ25    |
| MT2-OZ25-70-15 PCS  | MT2-OZ25-70     | -         | OZ25    |
| MT3-OZ25-70-15 PCS  | MT3-OZ25-70     | -         | OZ25    |
| MT4-OZ25-70-15 PCS  | MT4-OZ25-70     | -         | OZ25    |
| MT5-OZ25-70-15 PCS  | MT5-OZ25-70     | -         | OZ25    |

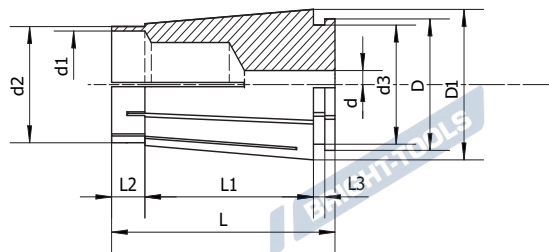
## SKS Collet SKS 高速筒夹



| Size     | d         | D    | D1    | d1   | d2   | d3   | L    | L1   | L2  | L3  |
|----------|-----------|------|-------|------|------|------|------|------|-----|-----|
| SKS06-02 | 1.75-2.0  | 8.6  | 10.5  | 6    | 7.5  | 7.8  | 25   | 17.5 | 3.5 | 2.5 |
| SKS06-03 | 2.8-3.0   | 8.6  | 10.5  | 6    | 7.5  | 7.8  | 25   | 17.5 | 3.5 | 2.5 |
| SKS06-04 | 3.5-4.0   | 8.6  | 10.5  | 6    | 7.5  | 7.8  | 25   | 17.5 | 3.5 | 2.5 |
| SKS06-05 | 4.5-5.0   | 8.6  | 10.5  | 6    | 7.5  | 7.8  | 25   | 17.5 | 3.5 | 2.5 |
| SKS06-06 | 5.5-6.0   | 8.6  | 10.5  | 6    | 7.5  | 7.8  | 25   | 17.5 | 3.5 | 2.5 |
|          |           |      |       |      |      |      |      |      |     |     |
| SKS10-02 | 1.75-2.0  | 13.1 | 15.5  | 10   | 12   | 12   | 30.5 | 22   | 5   | 2.3 |
| SKS10-03 | 2.75-3.0  | 13.1 | 15.5  | 10   | 12   | 12   | 30.5 | 22   | 5   | 2.3 |
| SKS10-04 | 3.5-4.0   | 13.1 | 15.5  | 10   | 12   | 12   | 30.5 | 22   | 5   | 2.3 |
| SKS10-05 | 4.5-5.0   | 13.1 | 15.5  | 10   | 12   | 12   | 30.5 | 22   | 5   | 2.3 |
| SKS10-06 | 5.5-6.0   | 13.1 | 15.5  | 10   | 12   | 12   | 30.5 | 22   | 5   | 2.3 |
| SKS10-07 | 6.5-7.0   | 13.1 | 15.5  | 10   | 12   | 12   | 30.5 | 22   | 5   | 2.3 |
| SKS10-08 | 7.5-8.0   | 13.1 | 15.5  | 10   | 12   | 12   | 30.5 | 22   | 5   | 2.3 |
| SKS10-09 | 8.5-9.0   | 13.1 | 15.5  | 10   | 12   | 12   | 30.5 | 22   | 5   | 2.3 |
| SKS10-10 | 9.5-10.0  | 13.1 | 15.5  | 10   | 12   | 12   | 30.5 | 22   | 5   | 2.3 |
|          |           |      |       |      |      |      |      |      |     |     |
| SKS16-03 | 2.75-3.0  | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-04 | 3.5-4.0   | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-05 | 4.5-5.0   | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-06 | 5.5-6.0   | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-07 | 6.5-7.0   | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-08 | 7.5-8.0   | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-09 | 8.5-9.0   | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-10 | 9.5-10.0  | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-11 | 10.5-11.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-12 | 11.5-12.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-13 | 12.5-13.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-14 | 13.5-14.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-15 | 14.5-15.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |
| SKS16-16 | 15.5-16.0 | 20.5 | 24.45 | 18.6 | 15.3 | 18.8 | 45.5 | 32   | 8   | 2.8 |

## SKS Collet

### SKS 高速筒夹



| Size     | d         | D    | D1   | d1   | d2   | d3   | L  | L1 | L2  | L3  |
|----------|-----------|------|------|------|------|------|----|----|-----|-----|
| SKS25-03 | 2.5-3.0   | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-04 | 3.5-4.0   | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-05 | 4.5-5.0   | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-06 | 5.5-6.0   | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-08 | 7.5-8.0   | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-10 | 9.5-10.0  | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-12 | 11.5-12.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-14 | 13.5-14.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-16 | 15.5-16.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-18 | 17.5-18.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-20 | 19.5-20.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-22 | 21.5-22.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-24 | 23.5-24.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |
| SKS25-25 | 24.5-25.0 | 29.9 | 35.6 | 25.4 | 28.8 | 28.2 | 57 | 43 | 8.5 | 2.9 |

BRIGHT-TOOLS

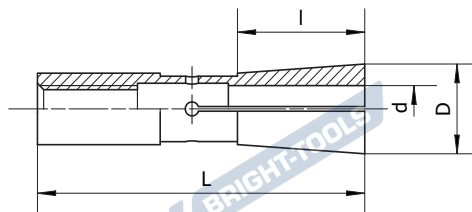
BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

## DC Collet

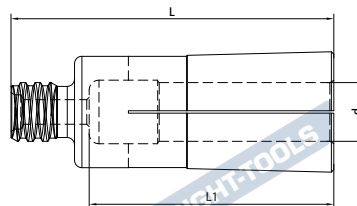
### DC 后拉筒夹



| Size    | d  | D   | L  | l  | M        |
|---------|----|-----|----|----|----------|
| DC04-02 | 2  | 7   | 31 | 10 | M5*0.8P  |
| DC04-03 | 3  | 7   | 31 | 14 | M5*0.8P  |
| DC04-04 | 4  | 7   | 31 | 14 | M5*0.8P  |
| DC06-03 | 3  | 9.6 | 14 | 14 | M5*0.8P  |
| DC06-04 | 4  | 9.6 | 36 | 14 | M5*0.8P  |
| DC06-05 | 5  | 9.6 | 36 | 16 | M5*0.8P  |
| DC06-06 | 6  | 9.6 | 36 | 16 | M5*0.8P  |
| DC08-03 | 3  | 15  | 45 | 15 | M5*0.8P  |
| DC08-04 | 4  | 15  | 45 | 16 | M5*0.8P  |
| DC08-06 | 6  | 15  | 45 | 24 | M5*0.8P  |
| DC08-08 | 8  | 15  | 45 | 26 | M5*0.8P  |
| DC12-04 | 4  | 22  | 60 | 15 | M8*1.25P |
| DC12-06 | 6  | 22  | 60 | 25 | M8*1.25P |
| DC12-08 | 8  | 22  | 60 | 30 | M8*1.25P |
| DC12-10 | 10 | 22  | 60 | 33 | M8*1.25P |
| DC12-12 | 12 | 22  | 60 | 33 | M8*1.25P |

## NDC Collet

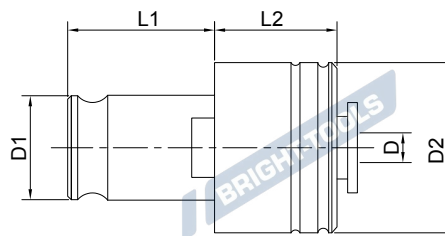
### NDC 后拉筒夹



| Size      | d  | L    | L1 |
|-----------|----|------|----|
| NDC14D04C | 04 | 66   | 66 |
| NDC14D06C | 06 | 66   | 40 |
| NDC14D08C | 08 | 66   | 50 |
| NDC14D10C | 10 | 66   | 50 |
| NDC14D12C | 12 | 66   | 50 |
| NDC14D14C | 14 | 66   | 50 |
|           |    |      |    |
| NDC20D04C | 04 | 66   | 66 |
| NDC20D06C | 06 | 66   | 40 |
| NDC20D08C | 08 | 66   | 50 |
| NDC20D10C | 10 | 66   | 50 |
| NDC20D12C | 12 | 66   | 50 |
| NDC20D14C | 14 | 66   | 50 |
| NDC20D16C | 16 | 66   | 50 |
| NDC20D18C | 18 | 66   | 50 |
| NDC20D20C | 20 | 66   | 50 |
|           |    |      |    |
| NDC32D12C | 12 | 87.5 | 60 |
| NDC32D16C | 16 | 87.5 | 60 |
| NDC32D20C | 20 | 87.5 | 60 |
| NDC32D25C | 25 | 87.5 | 60 |
| NDC32D30C | 30 | 87.5 | 60 |
| NDC32D32C | 32 | 87.5 | 60 |

## Tapping Collet with Cluth

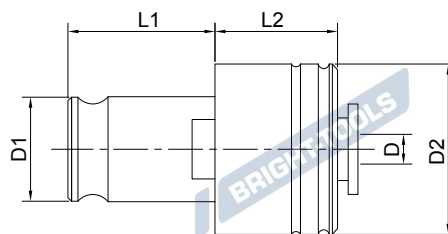
### 过载保护攻丝筒夹 (公制)



| Size              | Collet | M    | D   | □   | D1 | D2 | L1   | L2 |
|-------------------|--------|------|-----|-----|----|----|------|----|
| FES1 M2(2.80x2.1) | FES 1  | M2   | 2.8 | 2.1 | 19 | 33 | 21.5 | 25 |
| FES1 M3(3.5*2.7)  | FES 1  | M3   | 3.5 | 2.7 | 19 | 33 | 21.5 | 25 |
| FES1 M3.5(4*3)    | FES 1  | M3.5 | 4   | 3   | 19 | 33 | 21.5 | 25 |
| FES1 M4(5*4)      | FES 1  | M4   | 5   | 4   | 19 | 33 | 21.5 | 25 |
| FES1 M4(4.5*3.4)  | FES 1  | M4   | 4.5 | 3.4 | 19 | 33 | 21.5 | 25 |
| FES1 M5(6*4.9)    | FES 1  | M5   | 6   | 4.9 | 19 | 33 | 21.5 | 25 |
| FES1 M6(6.3*5)    | FES 1  | M6   | 6.3 | 5   | 19 | 33 | 21.5 | 25 |
| FES1 M6(6*4.9)    | FES 1  | M6   | 6   | 4.9 | 19 | 33 | 21.5 | 25 |
| FES1 M8(8*6.3)    | FES 1  | M8   | 8   | 6.3 | 19 | 33 | 21.5 | 25 |
| FES1 M10(10*8)    | FES 1  | M10  | 10  | 8   | 19 | 33 | 21.5 | 25 |
| FES1 M10(7*5.5)   | FES 1  | M10  | 7   | 5.5 | 19 | 33 | 21.5 | 25 |
| FES1 M12(9*7.1)   | FES 1  | M12  | 9   | 7.1 | 19 | 33 | 21.5 | 25 |
| FES1 M12(9*7)     | FES 1  | M12  | 9   | 7   | 19 | 33 | 21.5 | 25 |
| FES1 M14(11*9)    | FES 1  | M14  | 11  | 9   | 19 | 33 | 21.5 | 25 |

## Tapping Collet with Cluth

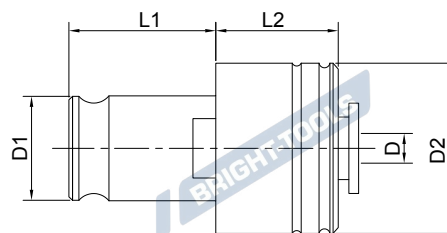
### 过载保护攻丝筒夹 (公制)



| Size              | Collet | M   | D    | □    | D1 | D2 | L1   | L2 |
|-------------------|--------|-----|------|------|----|----|------|----|
| FES2 M5(6*4.9)    | FES 2  | M5  | 6    | 4.9  | 31 | 51 | 35   | 35 |
| FES2 M6(6.3*5)    | FES 2  | M6  | 6.3  | 5    | 31 | 51 | 35   | 35 |
| FES2 M6(6*4.9)    | FES 2  | M6  | 6    | 4.9  | 31 | 51 | 35   | 35 |
| FES2 M8(8*6.3)    | FES 2  | M8  | 8    | 6.3  | 31 | 51 | 35   | 35 |
| FES2 M10(10*8)    | FES 2  | M10 | 10   | 8    | 31 | 51 | 35   | 35 |
| FES2 M10(7*5.5)   | FES 2  | M10 | 7    | 5.5  | 31 | 51 | 35   | 35 |
| FES2 M12(9*7.1)   | FES 2  | M12 | 9    | 7.1  | 31 | 51 | 35   | 35 |
| FES2 M12(9*7)     | FES 2  | M12 | 9    | 7    | 31 | 51 | 35   | 35 |
| FES2 M14(11*9)    | FES 2  | M14 | 11   | 9    | 31 | 51 | 35   | 35 |
| FES2 M16(12.5*10) | FES 2  | M16 | 12.5 | 10   | 31 | 51 | 35   | 35 |
| FES2 M16(12*9)    | FES 2  | M16 | 12   | 9    | 31 | 51 | 35   | 35 |
| FES2 M18(14*11)   | FES 2  | M18 | 14   | 11   | 31 | 51 | 35   | 35 |
| FES2 M20(16*12)   | FES 2  | M20 | 16   | 12   | 31 | 51 | 35   | 35 |
| FES2 M22(18*14.5) | FES 2  | M22 | 18   | 14.5 | 31 | 51 | 35   | 35 |
| FES2 M24(18*14.5) | FES 2  | M24 | 18   | 14.5 | 31 | 51 | 35   | 35 |
| FES2 M24(16*12.5) | FES 2  | M24 | 16   | 12.5 | 31 | 51 | 35   | 35 |
|                   |        |     |      |      |    |    |      |    |
| FES3 M14(11*9)    | FES 3  | M14 | 11   | 9    | 48 | 73 | 55.5 | 45 |
| FES3 M16(12*9)    | FES 3  | M16 | 12   | 9    | 48 | 73 | 55.5 | 45 |
| FES3 M18(14*11)   | FES 3  | M18 | 14   | 11   | 48 | 73 | 55.5 | 45 |
| FES3 M20(16*12)   | FES 3  | M20 | 16   | 12   | 48 | 73 | 55.5 | 45 |
| FES3 M22(18*14.5) | FES 3  | M22 | 18   | 14.5 | 48 | 73 | 55.5 | 45 |
| FES3 M24(18*14.5) | FES 3  | M24 | 18   | 14.5 | 48 | 73 | 55.5 | 45 |
| FES3 M27(20*16)   | FES 3  | M27 | 20   | 16   | 48 | 73 | 55.5 | 45 |
| FES3 M30(22*18)   | FES 3  | M30 | 22   | 18   | 48 | 73 | 55.5 | 45 |
| FES3 M33(25*20)   | FES 3  | M33 | 25   | 20   | 48 | 73 | 55.5 | 45 |
| FES3 M36(28*22)   | FES 3  | M36 | 28   | 22   | 48 | 73 | 55.5 | 45 |

## Tapping Collet with Cluth

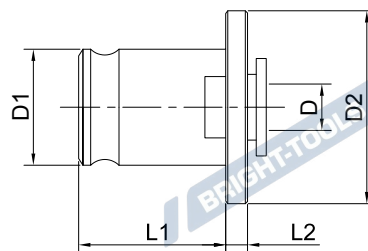
### 过载保护攻丝筒夹 (英制)



| Size                | Collet | ANSI            | Metric    | D     | □     | D1 | D2 | L1   | L2 |
|---------------------|--------|-----------------|-----------|-------|-------|----|----|------|----|
| 0-6" M1.6-M3.5      | FES 1  | 0-6"            | M1.6-M3.5 | 0.141 | 0.11  | 19 | 33 | 21.5 | 25 |
| 8, 5/32 M4          | FES 1  | 8, 5/32         | M4        | 0.168 | 0.131 | 19 | 33 | 21.5 | 25 |
| 10, 3/16" M4.5 M5   | FES 1  | 10, 3/16"       | M4.5 M5   | 0.194 | 0.152 | 19 | 33 | 21.5 | 25 |
| 12, 7/32"           | FES 1  | 12, 7/32"       |           | 0.22  | 0.165 | 19 | 33 | 21.5 | 25 |
| 1/4" M6 M6.3        | FES 1  | 1/4"            | M6 M6.3   | 0.255 | 0.191 | 19 | 33 | 21.5 | 25 |
| 5/16" M7 M8         | FES 1  | 5/16"           | M7 M8     | 0.318 | 0.238 | 19 | 33 | 21.5 | 25 |
| 3/8" M10            | FES 1  | 3/8"            | M10       | 0.381 | 0.286 | 19 | 33 | 21.5 | 25 |
| 7/16" M11           | FES 1  | 7/16"           | M11       | 0.323 | 0.242 | 19 | 33 | 21.5 | 25 |
| 1/2" M12 M12.5      | FES 1  | 1/2"            | M12 M12.5 | 0.367 | 0.275 | 19 | 33 | 21.5 | 25 |
| 9/16" M14           | FES 1  | 9/16"           | M14       | 0.429 | 0.322 | 19 | 33 | 21.5 | 25 |
| 1/8" NPT            | FES 1  | 1/8" NPT        |           | 0.437 | 0.328 | 19 | 33 | 21.5 | 25 |
| 5/16" M7 M8         | FES 2  | 5/16"           | M7 M8     | 0.318 | 0.238 | 31 | 51 | 35   | 35 |
| 3/8" M10            | FES 2  | 3/8"            | M10       | 0.381 | 0.286 | 31 | 51 | 35   | 35 |
| 7/16" M11           | FES 2  | 7/16"           | M11       | 0.323 | 0.242 | 31 | 51 | 35   | 35 |
| 1/2" M12 M12.5      | FES 2  | 1/2"            | M12 M12.5 | 0.367 | 0.275 | 31 | 51 | 35   | 35 |
| 9/16" M14           | FES 2  | 9/16"           | M14       | 0.429 | 0.322 | 31 | 51 | 35   | 35 |
| 5/8" M16            | FES 2  | 5/8"            | M16       | 0.48  | 0.36  | 31 | 51 | 35   | 35 |
| 11/16" M18          | FES 2  | 11/16"          | M18       | 0.542 | 0.406 | 31 | 51 | 35   | 35 |
| 3/4"                | FES 2  | 3/4"            |           | 0.59  | 0.442 | 31 | 51 | 35   | 35 |
| 13/16" M20          | FES 2  | 13/16"          | M20       | 0.652 | 0.489 | 31 | 51 | 35   | 35 |
| 7/8" M22            | FES 2  | 7/8"            | M22       | 0.697 | 0.523 | 31 | 51 | 35   | 35 |
| 1/4" NPT            | FES 2  | 1/4" NPT        |           | 0.562 | 0.421 | 31 | 51 | 35   | 35 |
| 3/8" NPT            | FES 2  | 3/8" NPT        |           | 0.7   | 0.531 | 31 | 51 | 35   | 35 |
| 1/2" NPT            | FES 2  | 1/2" NPT        |           | 0.687 | 0.515 | 31 | 51 | 35   | 35 |
| 13/16" M20          | FES 3  | 13/16"          | M20       | 0.652 | 0.489 | 48 | 73 | 55.5 | 45 |
| 7/8" M22            | FES 3  | 7/8"            | M22       | 0.697 | 0.523 | 48 | 73 | 55.5 | 45 |
| 15/16" M24          | FES 3  | 15/16"          | M24       | 0.76  | 0.57  | 48 | 73 | 55.5 | 45 |
| 1" M25              | FES 3  | 1"              | M25       | 0.8   | 0.6   | 48 | 73 | 55.5 | 45 |
| 1-1/8", 1-1/16" M27 | FES 3  | 1-1/8", 1-1/16" | M27       | 0.896 | 0.672 | 48 | 73 | 55.5 | 45 |
| 1-1/4", 1-3/16 M30  | FES 3  | 1-1/4", 1-3/16  | M30       | 1.021 | 0.766 | 48 | 73 | 55.5 | 45 |
| 1-3/8", 1-5/16 M33  | FES 3  | 1-3/8", 1-5/16  | M33       | 1.108 | 0.831 | 48 | 73 | 55.5 | 45 |
| 1/2" NPT            | FES 3  | 1/2" NPT        |           | 0.687 | 0.515 | 48 | 73 | 55.5 | 45 |
| 3/4" NPT            | FES 3  | 3/4" NPT        |           | 0.906 | 0.678 | 48 | 73 | 55.5 | 45 |
| 1" NPT              | FES 3  | 1" NPT          |           | 1.125 | 0.843 | 48 | 73 | 55.5 | 45 |

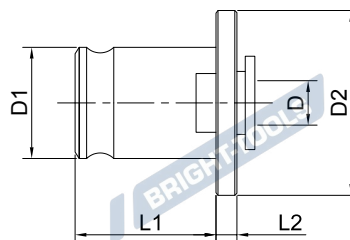
## Tapping Collet without Cluth

### 无过载保护攻丝筒夹（公制）



| Size             | Collet | M   | D   | □    | D1 | D2 | L1   | L2   |
|------------------|--------|-----|-----|------|----|----|------|------|
| FE1 M2(2.8*2.1)  | FE 1   | M2  | 2.8 | 2.1  | 19 | 30 | 21.5 | 7    |
| FE1 M3(3.5*2.7)  | FE 1   | M3  | 3.5 | 2.7  | 19 | 30 | 21.5 | 7    |
| FE1 M4(5*4)      | FE 1   | M4  | 5   | 4    | 19 | 30 | 21.5 | 7    |
| FE1 M4(4.5*3.4)  | FE 1   | M4  | 4.5 | 3.4  | 19 | 30 | 21.5 | 7    |
| FE1 M6(6*4.9)    | FE 1   | M6  | 6   | 4.9  | 19 | 30 | 21.5 | 7    |
| FE1 M8(8*6.2)    | FE 1   | M8  | 8   | 6.2  | 19 | 30 | 21.5 | 7    |
| FE1 M10(10*8)    | FE 1   | M10 | 10  | 8    | 19 | 30 | 21.5 | 7    |
| FE1 M10(7*5.5)   | FE 1   | M10 | 7   | 5.5  | 19 | 30 | 21.5 | 7    |
| FE1 M12(9*7)     | FE 1   | M12 | 9   | 7    | 19 | 30 | 21.5 | 7    |
| FE2 M8(6*4.9)    | FE 2   | M8  | 6   | 4.9  | 31 | 48 | 35   | 11   |
| FE2 M8(8*6.2)    | FE 2   | M8  | 8   | 6.2  | 31 | 48 | 35   | 11   |
| FE2 M10(10*8)    | FE 2   | M10 | 10  | 8    | 31 | 48 | 35   | 11   |
| FE2 M10(7*5.5)   | FE 2   | M10 | 7   | 5.5  | 31 | 48 | 35   | 11   |
| FE2 M12(9*7.1)   | FE 2   | M12 | 9   | 7.1  | 31 | 48 | 35   | 11   |
| FE2 M14(11*9)    | FE 2   | M14 | 11  | 9    | 31 | 48 | 35   | 11   |
| FE2 M16(12*9)    | FE 2   | M16 | 12  | 9    | 31 | 48 | 35   | 11   |
| FE2 M18(14*11)   | FE 2   | M18 | 14  | 11   | 31 | 48 | 35   | 11   |
| FE2 M20(16*12)   | FE 2   | M20 | 16  | 12   | 31 | 48 | 35   | 11   |
| FE3 M14(11*9)    | FE 3   | M14 | 11  | 9    | 48 | 70 | 55.5 | 13.5 |
| FE3 M16(12*9)    | FE 3   | M16 | 12  | 9    | 48 | 70 | 55.5 | 13.5 |
| FE3 M18(14*11)   | FE 3   | M18 | 14  | 11   | 48 | 70 | 55.5 | 13.5 |
| FE3 M20(16*12)   | FE 3   | M20 | 16  | 12   | 48 | 70 | 55.5 | 13.5 |
| FE3 M24(18*14.5) | FE 3   | M24 | 18  | 14.5 | 48 | 70 | 55.5 | 13.5 |
| FE3 M27(20*16)   | FE 3   | M27 | 20  | 16   | 48 | 70 | 55.5 | 13.5 |
| FE3 M30(22*18)   | FE 3   | M30 | 22  | 18   | 48 | 70 | 55.5 | 13.5 |
| FE3 M33(25*20)   | FE 3   | M33 | 25  | 20   | 48 | 70 | 55.5 | 13.5 |
| FE3 M36(28*22)   | FE 3   | M36 | 28  | 22   | 48 | 70 | 55.5 | 13.5 |

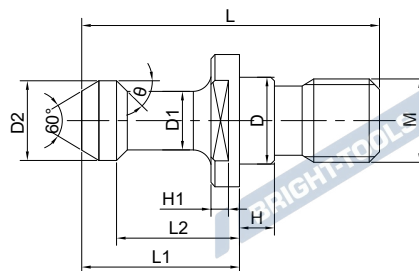
## Tapping Collet without Cluth 无过载保护攻丝筒夹（英制）



| Size                | Collet | ANSI            | Metric    | D     | □     | D1 | D2 | L1   | L2   |
|---------------------|--------|-----------------|-----------|-------|-------|----|----|------|------|
| 0-6" M1.6-M3.5      | FE 1   | 0-6"            | M1.6-M3.5 | 0.141 | 0.11  | 19 | 30 | 21.5 | 7    |
| 8, 5/32 M4          | FE 1   | 8, 5/32         | M4        | 0.168 | 0.131 | 19 | 30 | 21.5 | 7    |
| 10, 3/16" M4.5 M5   | FE 1   | 10, 3/16"       | M4.5 M5   | 0.194 | 0.152 | 19 | 30 | 21.5 | 7    |
| 12, 7/32"           | FE 1   | 12, 7/32"       |           | 0.22  | 0.165 | 19 | 30 | 21.5 | 7    |
| 1/4" M6 M6.3        | FE 1   | 1/4"            | M6 M6.3   | 0.255 | 0.191 | 19 | 30 | 21.5 | 7    |
| 5/16" M7 M8         | FE 1   | 5/16"           | M7 M8     | 0.318 | 0.238 | 19 | 30 | 21.5 | 7    |
| 3/8" M10            | FE 1   | 3/8"            | M10       | 0.381 | 0.286 | 19 | 30 | 21.5 | 7    |
| 7/16" M11           | FE 1   | 7/16"           | M11       | 0.323 | 0.242 | 19 | 30 | 21.5 | 7    |
| 1/2" M12 M12.5      | FE 1   | 1/2"            | M12 M12.5 | 0.367 | 0.275 | 19 | 30 | 21.5 | 7    |
| 9/16" M14           | FE 1   | 9/16"           | M14       | 0.429 | 0.322 | 19 | 30 | 21.5 | 7    |
| 1/8" NPT            | FE 1   | 1/8" NPT        | -         | 0.437 | 0.328 | 19 | 30 | 21.5 | 7    |
| 5/16" M7 M8         | FE 2   | 5/16"           | M7 M8     | 0.318 | 0.238 | 31 | 48 | 35   | 11   |
| 3/8" M10            | FE 2   | 3/8"            | M10       | 0.381 | 0.286 | 31 | 48 | 35   | 11   |
| 7/16" M11           | FE 2   | 7/16"           | M11       | 0.323 | 0.242 | 31 | 48 | 35   | 11   |
| 1/2" M12 M12.5      | FE 2   | 1/2"            | M12 M12.5 | 0.367 | 0.275 | 31 | 48 | 35   | 11   |
| 9/16" M14           | FE 2   | 9/16"           | M14       | 0.429 | 0.322 | 31 | 48 | 35   | 11   |
| 5/8" M16            | FE 2   | 5/8"            | M16       | 0.48  | 0.36  | 31 | 48 | 35   | 11   |
| 11/16" M18          | FE 2   | 11/16"          | M18       | 0.542 | 0.406 | 31 | 48 | 35   | 11   |
| 3/4"                | FE 2   | 3/4"            | -         | 0.59  | 0.442 | 31 | 48 | 35   | 11   |
| 13/16" M20          | FE 2   | 13/16"          | M20       | 0.652 | 0.489 | 31 | 48 | 35   | 11   |
| 7/8" M22            | FE 2   | 7/8"            | M22       | 0.697 | 0.523 | 31 | 48 | 35   | 11   |
| 1/4" NPT            | FE 2   | 1/4" NPT        | -         | 0.562 | 0.421 | 31 | 48 | 35   | 11   |
| 3/8" NPT            | FE 2   | 3/8" NPT        | -         | 0.7   | 0.531 | 31 | 48 | 35   | 11   |
| 1/2" NPT            | FE 2   | 1/2" NPT        | -         | 0.687 | 0.515 | 31 | 48 | 35   | 11   |
| M20                 |        |                 |           |       |       |    |    |      |      |
| 13/16" M20          | FE 3   | 13/16"          | M22       | 0.652 | 0.489 | 48 | 70 | 55.5 | 13.5 |
| 7/8" M22            | FE 3   | 7/8"            | M24       | 0.697 | 0.523 | 48 | 70 | 55.5 | 13.5 |
| 15/16" M24          | FE 3   | 15/16"          | M25       | 0.76  | 0.57  | 48 | 70 | 55.5 | 13.5 |
| 1" M25              | FE 3   | 1"              | M27       | 0.8   | 0.6   | 48 | 70 | 55.5 | 13.5 |
| 1-1/8", 1-1/16" M27 | FE 3   | 1-1/8", 1-1/16" | M30       | 0.896 | 0.672 | 48 | 70 | 55.5 | 13.5 |
| 1-1/4", 1-3/16 M30  | FE 3   | 1-1/4", 1-3/16  | M33       | 1.021 | 0.766 | 48 | 70 | 55.5 | 13.5 |
| 1-3/8", 1-5/16 M33  | FE 3   | 1-3/8", 1-5/16  | -         | 1.108 | 0.831 | 48 | 70 | 55.5 | 13.5 |
| 1/2" NPT            | FE 3   | 1/2" NPT        | -         | 0.687 | 0.515 | 48 | 70 | 55.5 | 13.5 |
| 3/4" NPT            | FE 3   | 3/4" NPT        | -         | 0.906 | 0.678 | 48 | 70 | 55.5 | 13.5 |
| 1" NPT              | FE 3   | 1" NPT          | -         | 1.125 | 0.843 | 48 | 70 | 55.5 | 13.5 |

## BT Pull Stud

### BT 拉钉



| Size      | D    | D1 | D2 | M   | L  | L1 | L2 | H | H1  | θ  |
|-----------|------|----|----|-----|----|----|----|---|-----|----|
| BT30-45   | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 45 |
| BT30-60   | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 60 |
| BT30-90   | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 90 |
| BT40-45   | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4   | 45 |
| BT40-60   | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4   | 60 |
| BT40-90   | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4   | 90 |
| BT50-45   | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8   | 45 |
| BT50-60   | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8   | 60 |
| BT50-90   | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8   | 90 |
| BT30C-45  | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 45 |
| BT30C-60  | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 60 |
| BT30C-90  | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 90 |
| BT40C-45  | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4   | 45 |
| BT40C-60  | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4   | 60 |
| BT40C-90  | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4   | 90 |
| BT50C-45  | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8   | 45 |
| BT50C-60  | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8   | 60 |
| BT50C-90  | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8   | 90 |
| BT30CO-45 | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 45 |
| BT30CO-60 | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 60 |
| BT30CO-90 | 12.5 | 7  | 11 | M12 | 43 | 23 | 18 | 4 | 3.5 | 90 |
| BT40CO-45 | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4   | 45 |
| BT40CO-60 | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4   | 60 |
| BT40CO-90 | 17   | 10 | 15 | M16 | 60 | 35 | 28 | 5 | 4   | 90 |
| BT50CO-45 | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8   | 45 |
| BT50CO-60 | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8   | 60 |
| BT50CO-90 | 25   | 17 | 23 | M24 | 85 | 45 | 35 | 8 | 8   | 90 |

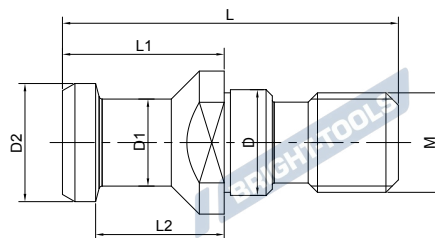
C: Through Hole

O: with O-Ring

Other sizes can be made by request.

## SK Pull Stud

### SK 拉钉

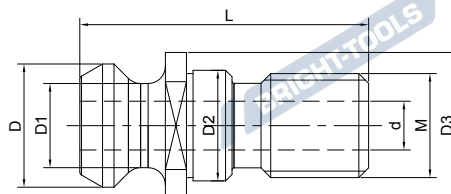


| Size    | D  | D1 | D2 | M   | L  | L1 | L2 |
|---------|----|----|----|-----|----|----|----|
| SK-30A  | 13 | 9  | 13 | M12 | 44 | 24 | 19 |
| SK-40A  | 17 | 14 | 19 | M16 | 54 | 26 | 20 |
| SK-50A  | 25 | 21 | 28 | M24 | 74 | 34 | 25 |
| SK-30AO | 13 | 9  | 13 | M12 | 44 | 24 | 19 |
| SK-40AO | 17 | 14 | 19 | M16 | 54 | 26 | 20 |
| SK-50AO | 25 | 21 | 28 | M24 | 74 | 34 | 25 |
| SK-30B  | 13 | 9  | 13 | M12 | 44 | 24 | 19 |
| SK-40B  | 17 | 14 | 19 | M16 | 54 | 26 | 20 |
| SK-50B  | 25 | 21 | 28 | M24 | 74 | 34 | 25 |

A: Through Hole, without O-Ring  
 B: Not Through Hole, with O-Ring  
 Other sizes can be made by request.

## ISO 7388 Pull Stud

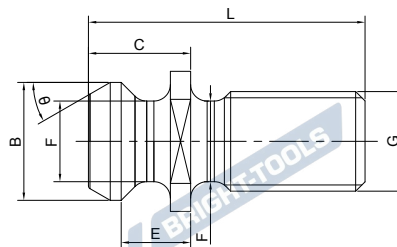
### ISO 7388 拉钉



| Size        | D3   | D2 | D1    | D     | M   | L     | d     |
|-------------|------|----|-------|-------|-----|-------|-------|
| ISO7388-40A | 23   | 17 | 14    | 19    | M16 | 54    | 7     |
| ISO7388-50A | 38   | 25 | 21    | 28    | M24 | 74    | 10    |
| ISO7388-40B | 22.5 | 17 | 12.95 | 18.95 | M16 | 44.4  | 7.35  |
| ISO7388-50B | 37   | 25 | 19.6  | 29.1  | M24 | 66.55 | 11.55 |

## CAT Pull Stud

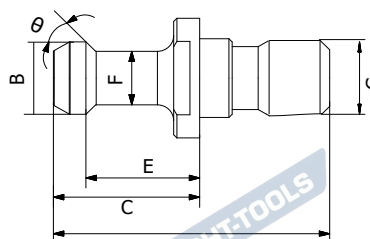
### CAT 拉钉



| Size      | Type | G       | $\theta$ | L   | B    | C    | E    | F    |
|-----------|------|---------|----------|-----|------|------|------|------|
| CAT40C-45 | A    | 5/8"-11 | 45       | 1.5 | 0.74 | 0.64 | 0.44 | 0.49 |
| CAT50C-45 | A    | 1"-8    | 45       | 2.3 | 1.14 | 1    | 0.7  | 0.82 |

## CAT Pull Stud

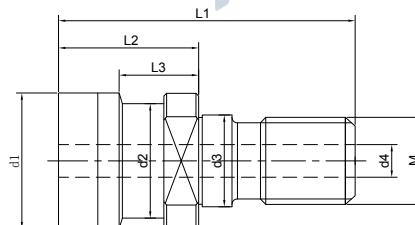
### CAT 拉钉



| Size         | Type | G       | $\theta$ | L     | B     | C     | E     | F     |
|--------------|------|---------|----------|-------|-------|-------|-------|-------|
| BT-CAT40C-45 | B    | 5/8"-11 | 45       | 2.25  | 0.59  | 1.266 | 0.99  | 0.394 |
| BT-CAT40C-90 | B    | 5/8"-11 | 90       | 2.25  | 0.59  | 1.266 | 0.99  | 0.394 |
| BT-CAT50C-45 | B    | 1"-8    | 45       | 3.094 | 0.906 | 1.771 | 1.378 | 0.669 |
| BT-CAT50C-90 | B    | 1"-8    | 90       | 3.094 | 0.906 | 1.771 | 1.378 | 0.669 |

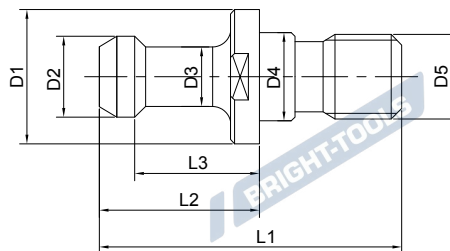
## OTT Pull Stud

### OTT 拉杆



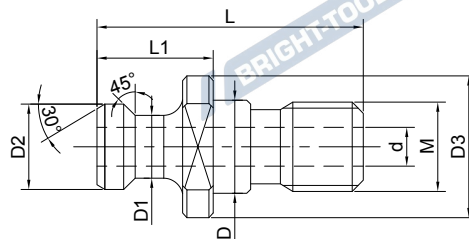
| Size  | M   | d1   | d2   | d3 | d4 | l3   | l2   | l1   |
|-------|-----|------|------|----|----|------|------|------|
| OTT40 | M16 | 25   | 21.1 | 17 | 7  | 13.6 | 25.1 | 53   |
| OTT50 | M24 | 39.6 | 30.2 | 25 | 7  | 13.3 | 25.1 | 65.1 |

## ISO Pull Stud ISO 拉钉

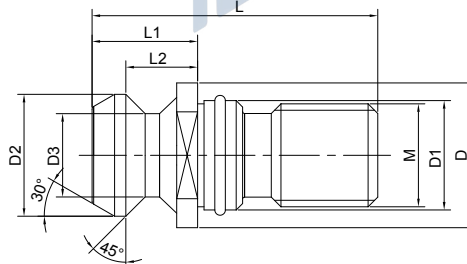


| Size  | L1 | L2 | L3 | D1 | D2 | D3 | D4  | D5  |
|-------|----|----|----|----|----|----|-----|-----|
| ISO20 | 26 | 12 | 9  | 12 | 9  | 6  | 8.5 | M8  |
| ISO25 | 28 | 12 | 9  | 13 | 11 | 7  | 8.5 | M8  |
| ISO30 | 44 | 24 | 19 | 17 | 13 | 9  | 13  | M12 |

## Mazak Pull Stud 马扎克拉钉



| Size         | L    | L1   | D2   | D1    | D3 | D  | d  | M   |
|--------------|------|------|------|-------|----|----|----|-----|
| Mazak-BT40C  | 44.1 | 19.1 | 18.8 | 12.45 | 22 | 17 | 7  | M16 |
| Mazak-BT50C  | 65.2 | 25.2 | 29   | 20.83 | 37 | 25 | 10 | M24 |
| Mazak-BT40CO | 44.1 | 19.1 | 18.8 | 12.45 | 22 | 17 | 7  | M16 |
| Mazak-BT50CO | 65.2 | 25.2 | 29   | 20.83 | 37 | 25 | 10 | M24 |



| Size          | D    | D1 | D2    | D3    | L     | L1    | L2    | M   |
|---------------|------|----|-------|-------|-------|-------|-------|-----|
| Mazak-CAT40C  | 22   | 17 | 18.79 | 12.5  | 41.25 | 16.25 | 11.17 | M16 |
| Mazak-CAT50C  | 35.6 | 25 | 28.95 | 20.82 | 65.4  | 25.4  | 17.78 | M24 |
| Mazak-CAT40CO | 22   | 17 | 18.79 | 12.5  | 41.25 | 16.25 | 11.17 | M16 |
| Mazak-CAT50CO | 35.6 | 25 | 28.95 | 20.82 | 65.4  | 25.4  | 17.78 | M24 |

## ER Nut

## ER 压帽



### UM

| Size   | D  | d  | L    | M       |
|--------|----|----|------|---------|
| ER16UM | 32 | 26 | 17.5 | M22X1.5 |
| ER20UM | 35 | 29 | 19   | M25X1.5 |
| ER25UM | 42 | 36 | 20   | M32X1.5 |
| ER32UM | 50 | 44 | 22.5 | M40X1.5 |
| ER40UM | 63 | 57 | 25.5 | M50X1.5 |
| ER50UM | 78 | 71 | 35.5 | M64X2   |

### Hex

| Size  | D  | d  | L    | M        |
|-------|----|----|------|----------|
| ER11A | 19 | 17 | 11.3 | M14X0.75 |
| ER16A | 28 | 25 | 17.5 | M22X1.5  |
| ER20A | 34 | 30 | 19   | M25X1.5  |

### Mini

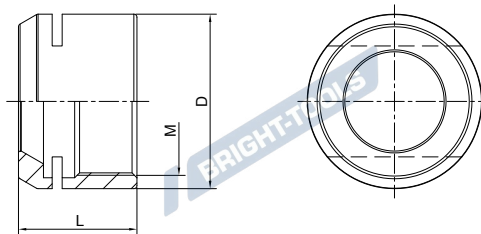
| Size  | D  | d    | L  | M        |
|-------|----|------|----|----------|
| ER8M  | 12 | 10   | 10 | M10X0.75 |
| ER11M | 16 | 12   | 12 | M13X0.75 |
| ER16M | 22 | 17.2 | 18 | M19X1    |
| ER20M | 28 | 22.5 | 19 | M24X1    |
| ER25M | 35 | 28.6 | 20 | M30X1    |

### SW

| Size   | SW | M       |
|--------|----|---------|
| ER25SW | 27 | M32X1.5 |
| ER32SW | 34 | M40X1.5 |

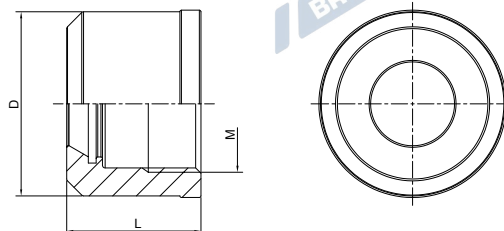
## ER Nut

## ER 压帽



## MS

| Size   | D  | L  | M        |
|--------|----|----|----------|
| ER11MS | 16 | 12 | M13*0.75 |
| ER16MS | 22 | 17 | M19*1.0  |
| ER20MS | 28 | 19 | M24*1.0  |
| ER25MS | 35 | 20 | M30*1.0  |

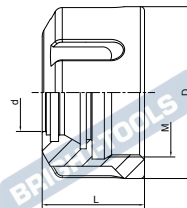
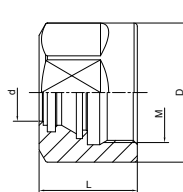


## GER

| Size  | D  | L    | M        |
|-------|----|------|----------|
| GER16 | 27 | 19   | TM22*1.5 |
| GER20 | 30 | 22   | TM26*1.5 |
| GER25 | 40 | 25.9 | TM32*1.5 |
| GER32 | 48 | 24.5 | TM40*1.5 |

## ER Sealed Nut

### ERS 止水压帽

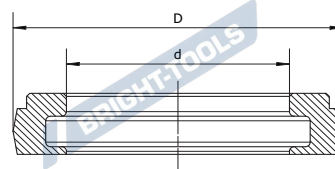


#### Sealed Nut

| Size  | D  | d  | L    | M       |
|-------|----|----|------|---------|
| ERS16 | 32 | 11 | 22.5 | M22×1.5 |
| ERS20 | 34 | 14 | 24   | M25×1.5 |
| ERS25 | 42 | 19 | 25   | M32×1.5 |
| ERS32 | 50 | 24 | 27.5 | M40×1.5 |
| ERS40 | 63 | 30 | 30.5 | M50×1.5 |

## Sealing Disc

### 止水垫圈



| Size     | d  | D  | Size     | d  | D    | Size     | d  | D    | Size     | d  | D    |
|----------|----|----|----------|----|------|----------|----|------|----------|----|------|
| ERS16-3  | 3  | 13 | ERS25-3  | 3  | 20.7 | ERS32-8  | 8  | 27   | ERS40-9  | 9  | 33.5 |
| ERS16-4  | 4  | 13 | ERS25-4  | 4  | 20.7 | ERS32-9  | 9  | 27   | ERS40-10 | 10 | 33.5 |
| ERS16-5  | 5  | 13 | ERS25-5  | 5  | 20.7 | ERS32-10 | 10 | 27   | ERS40-11 | 11 | 33.5 |
| ERS16-6  | 6  | 13 | ERS25-6  | 6  | 20.7 | ERS32-11 | 11 | 27   | ERS40-12 | 12 | 33.5 |
| ERS16-7  | 7  | 13 | ERS25-7  | 7  | 20.7 | ERS32-12 | 12 | 27   | ERS40-13 | 13 | 33.5 |
| ERS16-8  | 8  | 13 | ERS25-8  | 8  | 20.7 | ERS32-13 | 13 | 27   | ERS40-14 | 14 | 33.5 |
| ERS16-9  | 9  | 13 | ERS25-9  | 9  | 20.7 | ERS32-14 | 14 | 27   | ERS40-15 | 15 | 33.5 |
| ERS16-10 | 10 | 13 | ERS25-10 | 10 | 20.7 | ERS32-15 | 15 | 27   | ERS40-16 | 16 | 33.5 |
|          |    |    | ERS25-11 | 11 | 20.7 | ERS32-16 | 16 | 27   | ERS40-17 | 17 | 33.5 |
| ERS20-3  | 3  | 16 | ERS25-12 | 12 | 20.7 | ERS32-17 | 17 | 27   | ERS40-18 | 18 | 33.5 |
| ERS20-4  | 4  | 16 | ERS25-13 | 13 | 20.7 | ERS32-18 | 18 | 27   | ERS40-19 | 19 | 33.5 |
| ERS20-5  | 5  | 16 | ERS25-14 | 14 | 20.7 | ERS32-19 | 19 | 27   | ERS40-20 | 20 | 33.5 |
| ERS20-6  | 6  | 16 | ERS25-15 | 15 | 20.7 | ERS32-20 | 20 | 27   | ERS40-21 | 21 | 33.5 |
| ERS20-7  | 7  | 16 | ERS25-16 | 16 | 20.7 |          |    |      | ERS40-22 | 22 | 33.5 |
| ERS20-8  | 8  | 16 |          |    |      | ERS40-3  | 3  | 33.5 | ERS40-23 | 23 | 33.5 |
| ERS20-9  | 9  | 16 | ERS32-3  | 3  | 27   | ERS40-4  | 4  | 33.5 | ERS40-24 | 24 | 33.5 |
| ERS20-10 | 10 | 16 | ERS32-4  | 4  | 27   | ERS40-5  | 5  | 33.5 | ERS40-25 | 25 | 33.5 |
| ERS20-11 | 11 | 16 | ERS32-5  | 5  | 27   | ERS40-6  | 6  | 33.5 | ERS40-26 | 26 | 33.5 |
| ERS20-12 | 12 | 16 | ERS32-6  | 6  | 27   | ERS40-7  | 7  | 33.5 |          |    |      |
| ERS20-13 | 13 | 16 | ERS32-7  | 7  | 27   | ERS40-8  | 8  | 33.5 |          |    |      |

## Sealing Disc Set

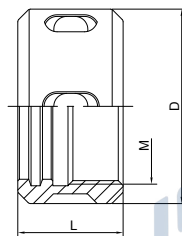
### 止水垫片套装



| Size         | Collet Diameter                                                      | PCS/SET |
|--------------|----------------------------------------------------------------------|---------|
| ERS16-8 PCS  | 3,4,5,6,7,8,9,10                                                     | 8       |
| ERS20-11 PCS | 3,4,5,6,7,8,9,10,11,12,13                                            | 11      |
| ERS25-14 PCS | 3,4,5,6,7,8,9,10,11,12,13,14,15,16                                   | 14      |
| ERS32-18 PCS | 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20                       | 18      |
| ERS40-24 PCS | 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,<br>22,23,24,25,26 | 24      |

## OZ Nut

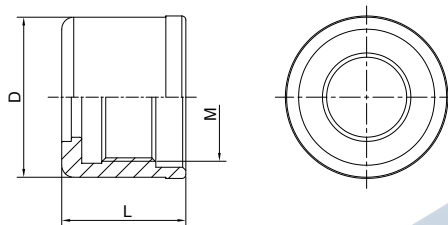
### OZ 压帽



| Size | D   | L    | M       |
|------|-----|------|---------|
| OZ6  | 18  | 14   | M14X1.0 |
| OZ8  | 26  | 19   | M20X1.5 |
| OZ10 | 30  | 19   | M22X1.5 |
| OZ12 | 35  | 20   | M27X1.5 |
| OZ16 | 43  | 24   | M33X1.5 |
| OZ20 | 50  | 28   | M42X2.0 |
| OZ25 | 60  | 30   | M48X2.0 |
| OZ32 | 72  | 33.5 | M60X2.5 |
| OZ40 | 85  | 37   | M68X2.5 |
| OZ50 | 100 | 43   | M80X2.5 |

## SKS Nut

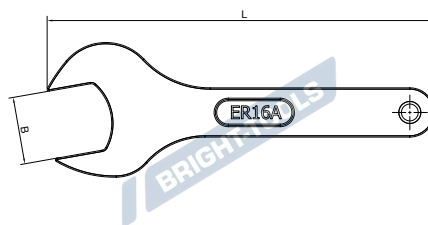
### SKS 无风阻压帽



| Size | D    | L  | M         |
|------|------|----|-----------|
| SK06 | 19.5 | 21 | M15.5*1.0 |
| SK10 | 27   | 24 | M21.5*1.0 |
| SK16 | 40   | 31 | M32*1.5   |
| SK20 | 48   | 24 | M40*1     |
| SK25 | 55   | 37 | M45*1.5   |

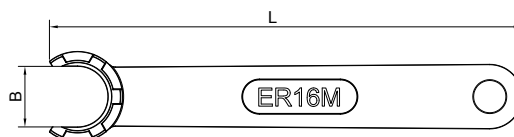
## ER Spanner

### ER 扳手



#### Hex

| Size  | B    | L   | Nut    |
|-------|------|-----|--------|
| ER11A | 17.5 | 122 | ER11-A |
| ER16A | 26   | 147 | ER16-A |
| ER20A | 30.3 | 159 | ER20-A |

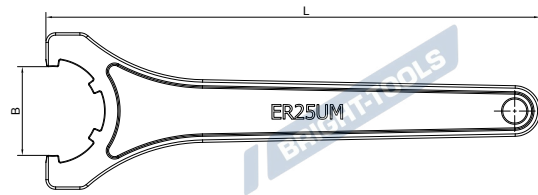


#### Mini

| Size  | B  | L   | Nut    |
|-------|----|-----|--------|
| ER8M  | 6  | 75  | ER8-M  |
| ER11M | 10 | 97  | ER11-M |
| ER16M | 15 | 118 | ER16-M |
| ER20M | 19 | 130 | ER20-M |
| ER25M | 25 | 150 | ER25-M |

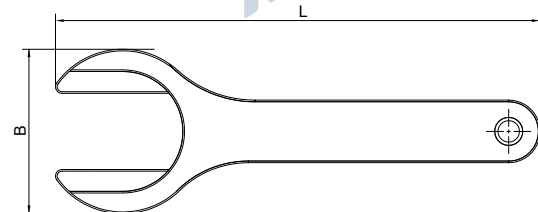
## ER Spanner

### ER 扳手



#### UM

| Size   | B    | L   | Nut     |
|--------|------|-----|---------|
| ER16UM | 27   | 212 | ER16-UM |
| ER20UM | 30.7 | 207 | ER20-UM |
| ER25UM | 37   | 207 | ER25-UM |
| ER32UM | 45   | 252 | ER32-UM |
| ER40UM | 58   | 286 | ER40-UM |
| ER50UM | 71   | 350 | ER50-UM |



#### MS

| Size   | B  | L   |
|--------|----|-----|
| ER8MS  | 19 | 76  |
| ER11MS | 10 | 100 |
| ER16MS | 15 | 130 |
| ER20MS | 18 | 160 |
| ER25MS | 23 | 200 |

## Hook Spanner

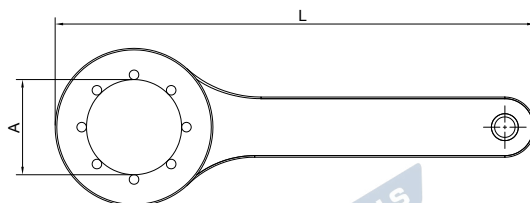
### 勾头扳手



| Size | L   | Range |
|------|-----|-------|
| C20  | 247 | 50-55 |
| C25  | 264 | 56-61 |
| C32  | 291 | 68-73 |
| C42  | 346 | 88-96 |

## Ball Spanner

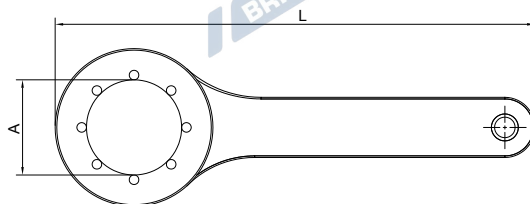
### 滚珠扳手



| Size     | A  | L   |
|----------|----|-----|
| SKS06C19 | 19 | 150 |
| SKS10C27 | 27 | 150 |
| SKS16C30 | 30 | 150 |
| SKS20C35 | 35 | 170 |
| SKS16C40 | 40 | 180 |
| SKS20C48 | 48 | 210 |
| SKS25C55 | 55 | 260 |

## Ball Spanner

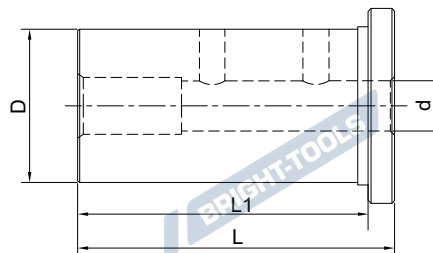
### 滚珠扳手



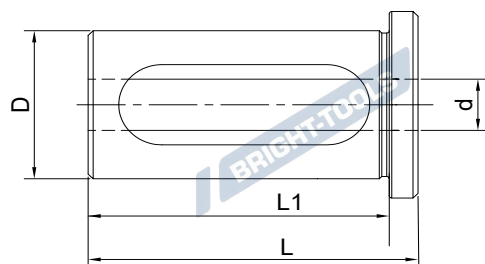
| Size    | A  | L   |
|---------|----|-----|
| CT16-45 | 45 | 214 |
| CT20-52 | 52 | 221 |
| CT25-61 | 61 | 230 |
| CT32-73 | 73 | 279 |
| CT42-88 | 88 | 287 |

## Reduction Sleeve for Boring Bar Holder

### 镗刀减径套



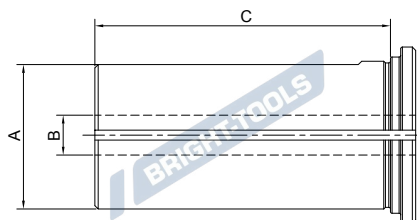
| Size    | d  | D  | L  | L1 |
|---------|----|----|----|----|
| SL20-06 | 6  | 20 | 50 | 46 |
| SL20-08 | 8  | 20 | 50 | 46 |
| SL20-10 | 10 | 20 | 50 | 46 |
| SL20-12 | 12 | 20 | 50 | 46 |
| SL20-14 | 14 | 20 | 50 | 46 |
| SL20-16 | 16 | 20 | 50 | 46 |
| SL25-06 | 6  | 25 | 50 | 46 |
| SL25-08 | 8  | 25 | 50 | 46 |
| SL25-10 | 10 | 25 | 50 | 46 |
| SL25-12 | 12 | 25 | 50 | 46 |
| SL32-06 | 6  | 32 | 61 | 56 |
| SL32-08 | 8  | 32 | 61 | 56 |
| SL32-10 | 10 | 32 | 61 | 56 |
| SL32-12 | 12 | 32 | 61 | 56 |
| SL40-06 | 6  | 40 | 76 | 71 |
| SL40-08 | 8  | 40 | 76 | 71 |
| SL40-10 | 10 | 40 | 76 | 71 |
| SL40-12 | 12 | 40 | 76 | 71 |



| Size    | d  | D  | L  | L1 |
|---------|----|----|----|----|
| SL25-16 | 16 | 25 | 50 | 46 |
| SL25-20 | 20 | 25 | 50 | 46 |
| SL32-16 | 16 | 32 | 61 | 56 |
| SL32-20 | 20 | 32 | 61 | 56 |
| SL32-25 | 25 | 32 | 61 | 56 |
| SL40-16 | 16 | 40 | 76 | 71 |
| SL40-20 | 20 | 40 | 76 | 71 |
| SL40-25 | 25 | 40 | 76 | 71 |
| SL40-32 | 32 | 40 | 76 | 71 |

## Tool Holder Bushing B Type

### 车床刀套 B 型

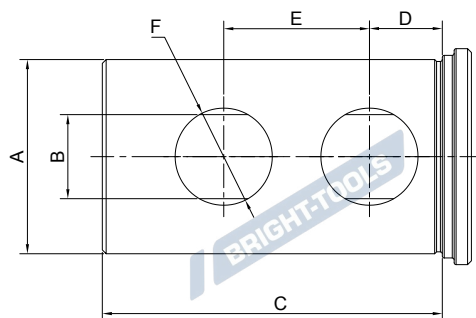


| Size            | A(OD)  | B(ID) | C     |
|-----------------|--------|-------|-------|
| B 3/4"x1/4"     | 3/4"   | 1/4   | 1-1/2 |
| B 3/4"x5/16"    | 3/4"   | 5/16  | 1-1/2 |
| B 3/4"x3/8"     | 3/4"   | 3/8   | 1-1/2 |
| B 3/4"x1/2"     | 3/4"   | 1/2   | 1-1/2 |
| B 1"x5/16"      | 1"     | 5/16  | 1-3/4 |
| B 1"x3/8"       | 1"     | 3/8   | 1-3/4 |
| B 1"x1/2"       | 1"     | 1/2   | 1-3/4 |
| B 1"x5/8"       | 1"     | 5/8   | 1-3/4 |
| B 1"x3/4"       | 1"     | 3/4   | 1-3/4 |
| B 1-1/4"x3/8"   | 1-1/4" | 3/8   | 2-1/8 |
| B 1-1/4"x1/2"   | 1-1/4" | 1/2   | 2-1/8 |
| B 1-1/4"x5/8"   | 1-1/4" | 5/8   | 2-1/8 |
| B 1-1/4"x3/4"   | 1-1/4" | 3/4   | 2-1/8 |
| B 1-1/4"x7/8"   | 1-1/4" | 7/8   | 2-1/8 |
| B 1-1/4"x1"     | 1-1/4" | 1     | 2-1/8 |
| B 1-1/2"x3/8"   | 1-1/2" | 3/8   | 2-1/2 |
| B 1-1/2"x1/2"   | 1-1/2" | 1/2   | 2-1/2 |
| B 1-1/2"x5/8"   | 1-1/2" | 5/8   | 2-1/2 |
| B 1-1/2"x3/4"   | 1-1/2" | 3/4   | 2-1/2 |
| B 1-1/2"x7/8"   | 1-1/2" | 7/8   | 2-1/2 |
| B 1-1/2"x1"     | 1-1/2" | 1     | 2-1/2 |
| B 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 2-1/2 |
| B 1-3/4"x1/2"   | 1-3/4" | 1/2   | 3     |
| B 1-3/4"x5/8"   | 1-3/4" | 5/8   | 3     |
| B 1-3/4"x3/4"   | 1-3/4" | 3/4   | 3     |
| B 1-3/4"x7/8"   | 1-3/4" | 7/8   | 3     |
| B 1-3/4"x1"     | 1-3/4" | 1     | 3     |
| B 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3     |
| B 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3     |

| Size            | A(OD)  | B(ID) | C     |
|-----------------|--------|-------|-------|
| B 2"x1/2"       | 2"     | 1/2   | 3-1/2 |
| B 2"x5/8"       | 2"     | 5/8   | 3-1/2 |
| B 2"x3/4"       | 2"     | 3/4   | 3-1/2 |
| B 2"x7/8"       | 2"     | 7/8   | 3-1/2 |
| B 2"x1"         | 2"     | 1     | 3-1/2 |
| B 2"x1-1/4"     | 2"     | 1-1/4 | 3-1/2 |
| B 2"x1-1/2"     | 2"     | 1-1/2 | 3-1/2 |
| B 2"x1-3/4"     | 2"     | 1-3/4 | 3-1/2 |
| B 2-1/2"x1/2"   | 2-1/2" | 1/2   | 4     |
| B 2-1/2"x5/8"   | 2-1/2" | 5/8   | 4     |
| B 2-1/2"x3/4"   | 2-1/2" | 3/4   | 4     |
| B 2-1/2"x7/8"   | 2-1/2" | 7/8   | 4     |
| B 2-1/2"x1"     | 2-1/2" | 1     | 4     |
| B 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 4     |
| B 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 4     |
| B 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 4     |
| B 2-1/2"x2"     | 2-1/2" | 2     | 4     |
| B 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 4     |
| B 3"x1-1/4"     | 3"     | 1     | 4-1/2 |
| B 3"x1-1/2"     | 3"     | 1-1/4 | 4-1/2 |
| B 3"x1-3/4"     | 3"     | 1-1/2 | 4-1/2 |
| B 3-1/2"x1/2"   | 3"     | 1-3/4 | 4-1/2 |
| B 3-1/2"x5/8"   | 3"     | 2     | 4-1/2 |
| B 3-1/2"x3/4"   | 3"     | 2-1/4 | 4-1/2 |
| B 3-1/2"x7/8"   | 3"     | 2-1/2 | 4-1/2 |
| B 3-1/2"x1"     | 3-1/2" | 1     | 5-1/4 |
| B 3-1/2"x1-1/4" | 3-1/2" | 1-1/4 | 5-1/4 |
| B 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 5-1/4 |
| B 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 5-1/4 |
| B 3-1/2"x2"     | 3-1/2" | 2     | 5-1/4 |
| B 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 5-1/4 |
| B 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 5-1/4 |
| B 3-1/2"x3"     | 3-1/2" | 3     | 5-1/4 |

## Tool Holder Bushing J Type

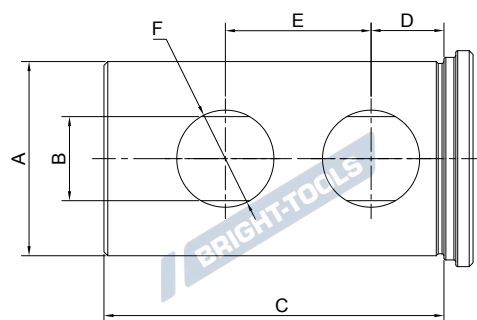
### 车床刀套 J 型



| Size            | A(OD)  | B(ID) | C     | D     | E     | F   | Holes No. |
|-----------------|--------|-------|-------|-------|-------|-----|-----------|
| J 3/4"x1/4"     | 3/4"   | 1/4   | 1-1/2 | 3/9   | 13/16 | 3/8 | 2         |
| J 3/4"x5/16"    | 3/4"   | 5/16  | 1-1/2 | 3/9   | 13/16 | 3/8 | 2         |
| J 3/4"x3/8"     | 3/4"   | 3/8   | 1-1/2 | 3/9   | 13/16 | 3/8 | 2         |
| J 3/4"x1/2"     | 3/4"   | 1/2   | 1-1/2 | 3/9   | 13/16 | 3/8 | 2         |
| J 1"x3/8"       | 1"     | 3/8   | 1-3/4 | 7/16  | 7/8   | 5/8 | 2         |
| J 1"x1/2"       | 1"     | 1/2   | 1-3/4 | 7/16  | 7/8   | 5/8 | 2         |
| J 1"x5/8"       | 1"     | 5/8   | 1-3/4 | 7/16  | 7/8   | 5/8 | 2         |
| J 1"x3/4"       | 1"     | 3/4   | 1-3/4 | 7/16  | 7/8   | 5/8 | 2         |
| J 1-1/4"x3/8"   | 1-1/4" | 3/8   | 2-1/8 | 5/8   | 1     | 3/4 | 2         |
| J 1-1/4"x1/2"   | 1-1/4" | 1/2   | 2-1/8 | 5/8   | 1     | 3/4 | 2         |
| J 1-1/4"x5/8"   | 1-1/4" | 5/8   | 2-1/8 | 5/8   | 1     | 3/4 | 2         |
| J 1-1/4"x3/4"   | 1-1/4" | 3/4   | 2-1/8 | 5/8   | 1     | 3/4 | 2         |
| J 1-1/4"x7/8"   | 1-1/4" | 7/8   | 2-1/8 | 5/8   | 1     | 3/4 | 2         |
| J 1-1/4"x1"     | 1-1/4" | 1     | 2-1/8 | 5/8   | 1     | 3/4 | 2         |
| J 1-1/2"x3/8"   | 1-1/2" | 3/8   | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2         |
| J 1-1/2"x1/2"   | 1-1/2" | 1/2   | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2         |
| J 1-1/2"x5/8"   | 1-1/2" | 5/8   | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2         |
| J 1-1/2"x3/4"   | 1-1/2" | 3/4   | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2         |
| J 1-1/2"x7/8"   | 1-1/2" | 7/8   | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2         |
| J 1-1/2"x1"     | 1-1/2" | 1     | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2         |
| J 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 2-1/2 | 11/16 | 1-1/8 | 7/8 | 2         |
| J 1-3/4"x1/2"   | 1-3/4" | 1/2   | 3     | 3/4   | 1-1/4 | 7/8 | 2         |
| J 1-3/4"x5/8"   | 1-3/4" | 5/8   | 3     | 3/4   | 1-1/4 | 7/8 | 2         |
| J 1-3/4"x3/4"   | 1-3/4" | 3/4   | 3     | 3/4   | 1-1/4 | 7/8 | 2         |
| J 1-3/4"x7/8"   | 1-3/4" | 7/8   | 3     | 3/4   | 1-1/4 | 7/8 | 2         |
| J 1-3/4"x1"     | 1-3/4" | 1     | 3     | 3/4   | 1-1/4 | 7/8 | 2         |
| J 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3     | 3/4   | 1-1/4 | 7/8 | 2         |
| J 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3     | 3/4   | 1-1/4 | 7/8 | 2         |
| J 2"x1/2"       | 2"     | 1/2   | 3-1/2 | 3/4   | 1-1/2 | 1   | 2         |
| J 2"x5/8"       | 2"     | 5/8   | 3-1/2 | 3/4   | 1-1/2 | 1   | 2         |
| J 2"x3/4"       | 2"     | 3/4   | 3-1/2 | 3/4   | 1-1/2 | 1   | 2         |
| J 2"x7/8"       | 2"     | 7/8   | 3-1/2 | 3/4   | 1-1/2 | 1   | 2         |
| J 2"x1"         | 2"     | 1     | 3-1/2 | 3/4   | 1-1/2 | 1   | 2         |

## Tool Holder Bushing J Type

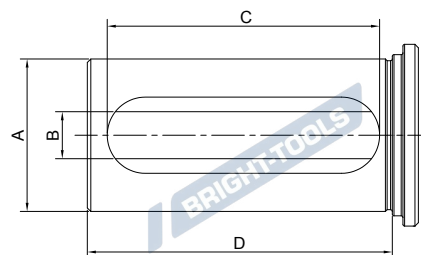
### 车床刀套 J 型



| Size            | A(OD)  | B(ID) | C     | D     | E     | F     | Holes No. |
|-----------------|--------|-------|-------|-------|-------|-------|-----------|
| J 2"x1-1/4"     | 2"     | 1-1/4 | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| J 2"x1-1/2"     | 2"     | 1-1/2 | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| J 2"x1-3/4"     | 2"     | 1-3/4 | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| J 2-1/2"x1/2"   | 2-1/2" | 1/2   | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 2-1/2"x5/8"   | 2-1/2" | 5/8   | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 2-1/2"x3/4"   | 2-1/2" | 3/4   | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 2-1/2"x7/8"   | 2-1/2" | 7/8   | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 2-1/2"x1"     | 2-1/2" | 1     | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 2-1/2"x2"     | 2-1/2" | 2     | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| J 3"x1"         | 3"     | 1     | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| J 3"x1-1/4"     | 3"     | 1-1/4 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| J 3"x1-1/2"     | 3"     | 1-1/2 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| J 3"x1-3/4"     | 3"     | 1-3/4 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| J 3"x2"         | 3"     | 2     | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| J 3"x2-1/4"     | 3"     | 2-1/4 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| J 3"x2-1/2"     | 3"     | 2-1/2 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| J 3-1/2"x1"     | 3-1/2" | 1     | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| J 3-1/2"x1-1/4" | 3-1/2" | 1-1/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| J 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| J 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| J 3-1/2"x2"     | 3-1/2" | 2     | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| J 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| J 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| J 3-1/2"x3"     | 3-1/2" | 3     | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |

## Tool Holder Bushing C Type

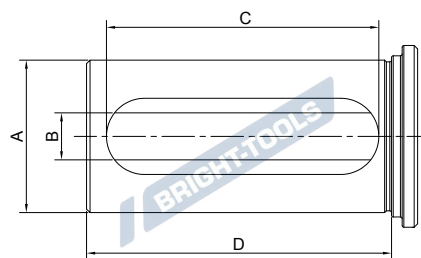
### 车床刀套 C 型



| Size            | A(OD)  | B(ID) | C     | D     | Holes No. |
|-----------------|--------|-------|-------|-------|-----------|
| C 3/4"x1/4"     | 3/4"   | 1/4   | 1-1/2 | 2     | 1         |
| C 3/4"x5/16"    | 3/4"   | 5/16  | 1-1/2 | 2     | 1         |
| C 3/4"x3/8"     | 3/4"   | 3/8   | 1-1/2 | 2     | 1         |
| C 3/4"x1/2"     | 3/4"   | 1/2   | 1-1/2 | 2     | 1         |
| C 1"x1/4"       | 1"     | 1/4   | 2-3/8 | 2-3/4 | 1         |
| C 1"x5/16"      | 1"     | 5/16  | 2-3/8 | 2-3/4 | 1         |
| C 1"x3/8"       | 1"     | 3/8   | 2-3/8 | 2-3/4 | 1         |
| C 1"x1/2"       | 1"     | 1/2   | 2-3/8 | 2-3/4 | 1         |
| C 1"x5/8"       | 1"     | 5/8   | 2-3/8 | 2-3/4 | 1         |
| C 1"x3/4"       | 1"     | 3/4   | 2-3/8 | 2-3/4 | 1         |
| C 1-1/4"x3/8"   | 1-1/4" | 3/8   | 2-3/4 | 3-1/4 | 1         |
| C 1-1/4"x1/2"   | 1-1/4" | 1/2   | 2-3/4 | 3-1/4 | 1         |
| C 1-1/4"x5/8"   | 1-1/4" | 5/8   | 2-3/4 | 3-1/4 | 1         |
| C 1-1/4"x3/4"   | 1-1/4" | 3/4   | 2-3/4 | 3-1/4 | 1         |
| C 1-1/4"x7/8"   | 1-1/4" | 7/8   | 2-3/4 | 3-1/4 | 1         |
| C 1-1/4"x1"     | 1-1/4" | 1     | 2-3/4 | 3-1/4 | 1         |
| C 1-1/2"x3/8"   | 1-1/2" | 3/8   | 3     | 3-3/8 | 1         |
| C 1-1/2"x1/2"   | 1-1/2" | 1/2   | 3     | 3-3/8 | 1         |
| C 1-1/2"x5/8"   | 1-1/2" | 5/8   | 3     | 3-3/8 | 1         |
| C 1-1/2"x3/4"   | 1-1/2" | 3/4   | 3     | 3-3/8 | 1         |
| C 1-1/2"x7/8"   | 1-1/2" | 7/8   | 3     | 3-3/8 | 1         |
| C 1-1/2"x1"     | 1-1/2" | 1     | 3     | 3-3/8 | 1         |
| C 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 3     | 3-3/8 | 1         |
| C 1-3/4"x1/2"   | 1-3/4" | 1/2   | 3-1/8 | 3-1/2 | 1         |
| C 1-3/4"x5/8"   | 1-3/4" | 5/8   | 3-1/8 | 3-1/2 | 1         |
| C 1-3/4"x3/4"   | 1-3/4" | 3/4   | 3-1/8 | 3-1/2 | 1         |
| C 1-3/4"x7/8"   | 1-3/4" | 7/8   | 3-1/8 | 3-1/2 | 1         |
| C 1-3/4"x1"     | 1-3/4" | 1     | 3-1/8 | 3-1/2 | 1         |
| C 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3-1/8 | 3-1/2 | 1         |
| C 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3-1/8 | 3-1/2 | 1         |
| C 2"x1-1/2"     | 2"     | 1/2   | 3-5/8 | 4     | 1         |
| C 2"x5/8"       | 2"     | 5/8   | 3-5/8 | 4     | 1         |
| C 2"x3/4"       | 2"     | 3/4   | 3-5/8 | 4     | 1         |
| C 2"x1"         | 2"     | 1     | 3-5/8 | 4     | 1         |

## Tool Holder Bushing C Type

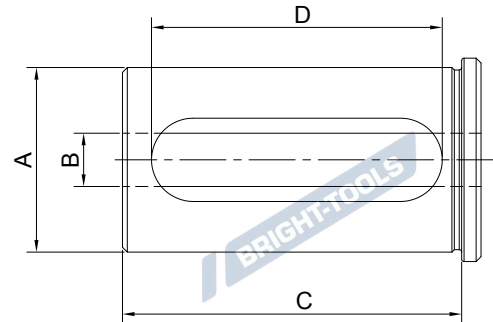
### 车床刀套 C 型



| Size            | A(OD)  | B(ID) | C     | D     | Holes No. |
|-----------------|--------|-------|-------|-------|-----------|
| C 2"x1-1/4"     | 2"     | 1-1/4 | 3-5/8 | 4     | 1         |
| C 2"x1-1/2"     | 2"     | 1-1/2 | 3-5/8 | 4     | 1         |
| C 2"x1-3/4"     | 2"     | 1-3/4 | 3-5/8 | 4     | 1         |
| C 2-1/2"x1/2"   | 2-1/2" | 1/2   | 4-1/8 | 4-1/2 | 1 or 2    |
| C 2-1/2"x5/8"   | 2-1/2" | 5/8   | 4-1/8 | 4-1/2 | 1 or 2    |
| C 2-1/2"x3/4"   | 2-1/2" | 3/4   | 4-1/8 | 4-1/2 | 1 or 2    |
| C 2-1/2"x7/8"   | 2-1/2" | 7/8   | 4-1/8 | 4-1/2 | 1 or 2    |
| C 2-1/2"x1"     | 2-1/2" | 1     | 4-1/8 | 4-1/2 | 1 or 2    |
| C 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 4-1/8 | 4-1/2 | 1 or 2    |
| C 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 4-1/8 | 4-1/2 | 1 or 2    |
| C 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 4-1/8 | 4-1/2 | 1 or 2    |
| C 2-1/2"x2"     | 2-1/2" | 2     | 4-1/8 | 4-1/2 | 1 or 2    |
| C 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 4-1/8 | 4-1/2 | 1 or 2    |
| C 3"x1"         | 3"     | 1     | 4-5/8 | 5     | 1 or 2    |
| C 3"x1-1/4"     | 3"     | 1-1/4 | 4-5/8 | 5     | 1 or 2    |
| C 3"x1-1/2"     | 3"     | 1-1/2 | 4-5/8 | 5     | 1 or 2    |
| C 3"x1-3/4"     | 3"     | 1-3/4 | 4-5/8 | 5     | 1 or 2    |
| C 3"x2"         | 3"     | 2     | 4-5/8 | 5     | 1 or 2    |
| C 3"x2-1/4"     | 3"     | 2-1/4 | 4-5/8 | 5     | 1 or 2    |
| C 3"x2-1/2"     | 3"     | 2-1/2 | 4-5/8 | 5     | 1 or 2    |
| C 3-1/2"x1"     | 3-1/2" | 1     | 5     | 5-3/4 | 1 or 2    |
| C 3-1/2"x1x1/4" | 3-1/2" | 1-1/4 | 5     | 5-3/4 | 1 or 2    |
| C 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 5     | 5-3/4 | 1 or 2    |
| C 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 5     | 5-3/4 | 1 or 2    |
| C 3-1/2"x2"     | 3-1/2" | 2     | 5     | 5-3/4 | 1 or 2    |
| C 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 5     | 5-3/4 | 1 or 2    |
| C 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 5     | 5-3/4 | 1 or 2    |
| C 3-1/2"x3"     | 3-1/2" | 3     | 5     | 5-3/4 | 1 or 2    |

## Tool Holder Bushing CV Type

### 车床刀套 CV 型



| Size           | A(OD)  | B(ID) | C          | D          |
|----------------|--------|-------|------------|------------|
| CV 1-1/4"x1/4" | 1-1/4" | 1/4   | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x3/8" | 1-1/4" | 3/8   | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x1/2" | 1-1/4" | 1/2   | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x5/8" | 1-1/4" | 5/8   | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x3/4" | 1-1/4" | 3/4   | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x7/8" | 1-1/4" | 7/8   | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/4"x1"   | 1-1/4" | 1     | 2.36(60mm) | 1.97(50mm) |
| CV 1-1/2"x1/4" | 1-1/2" | 1/4   | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x3/8" | 1-1/2" | 3/8   | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x1/2" | 1-1/2" | 1/2   | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x5/8" | 1-1/2" | 5/8   | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x3/4" | 1-1/2" | 3/4   | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x7/8" | 1-1/2" | 7/8   | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x1"   | 1-1/2" | 1     | 2.76(70mm) | 2.36(60mm) |
| CV 1-1/2"x1/4" | 1-1/2" | 1-1/4 | 2.76(70mm) | 2.36(60mm) |

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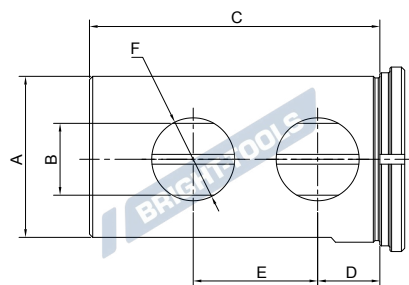
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## Tool Holder Bushing DD Type

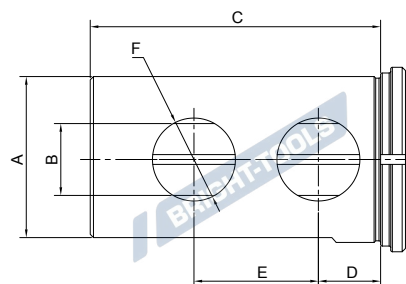
### 车床刀套 DD 型



| Size             | A(OD)  | B(ID) | C     | D     | E     | F     | Holes No. |
|------------------|--------|-------|-------|-------|-------|-------|-----------|
| DD 1-1/2"x3/8"   | 1-1/2" | 3/8   | 2-1/2 | 11/16 | 1-1/8 | 7/8   | 2         |
| DD 1-1/2"x1/2"   | 1-1/2" | 1/2   | 2-1/2 | 11/16 | 1-1/8 | 7/8   | 2         |
| DD 1-1/2"x5/8"   | 1-1/2" | 5/8   | 2-1/2 | 11/16 | 1-1/8 | 7/8   | 2         |
| DD 1-1/2"x3/4"   | 1-1/2" | 3/4   | 2-1/2 | 11/16 | 1-1/8 | 7/8   | 2         |
| DD 1-1/2"x7/8"   | 1-1/2" | 7/8   | 2-1/2 | 11/16 | 1-1/8 | 7/8   | 2         |
| DD 1-1/2"x1"     | 1-1/2" | 1     | 2-1/2 | 11/16 | 1-1/8 | 7/8   | 2         |
| DD 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 2-1/2 | 11/16 | 1-1/8 | 7/8   | 2         |
| DD 1-3/4"x1/2"   | 1-3/4" | 1/2   | 3     | 3/4   | 1-1/4 | 7/8   | 2         |
| DD 1-3/4"x5/8"   | 1-3/4" | 5/8   | 3     | 3/4   | 1-1/4 | 7/8   | 2         |
| DD 1-3/4"x3/4"   | 1-3/4" | 3/4   | 3     | 3/4   | 1-1/4 | 7/8   | 2         |
| DD 1-3/4"x7/8"   | 1-3/4" | 7/8   | 3     | 3/4   | 1-1/4 | 7/8   | 2         |
| DD 1-3/4"x1"     | 1-3/4" | 1     | 3     | 3/4   | 1-1/4 | 7/8   | 2         |
| DD 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3     | 3/4   | 1-1/4 | 7/8   | 2         |
| DD 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3     | 3/4   | 1-1/4 | 7/8   | 2         |
| DD 2"x1/2"       | 2"     | 1/2   | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| DD 2"x5/8"       | 2"     | 5/8   | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| DD 2"x3/4"       | 2"     | 3/4   | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| DD 2"x7/8"       | 2"     | 7/8   | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| DD 2"x1"         | 2"     | 1     | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| DD 2"x1-1/4"     | 2"     | 1-1/4 | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| DD 2"x1-1/2"     | 2"     | 1-1/2 | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| DD 2"x1-3/4"     | 2"     | 1-3/4 | 3-1/2 | 3/4   | 1-1/2 | 1     | 2         |
| DD 2-1/2"x1/2"   | 2-1/2" | 1/2   | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| DD 2-1/2"x5/8"   | 2-1/2" | 5/8   | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| DD 2-1/2"x3/4"   | 2-1/2" | 3/4   | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| DD 2-1/2"x7/8"   | 2-1/2" | 7/8   | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| DD 2-1/2"x1"     | 2-1/2" | 1     | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| DD 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| DD 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| DD 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| DD 2-1/2"x2"     | 2-1/2" | 2     | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |
| DD 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 4     | 7/8   | 1-3/4 | 1-1/4 | 2         |

## Tool Holder Bushing DD Type

### 车床刀套 DD 型



| Size             | A(OD)  | B(ID) | C     | D     | E     | F     | Holes No. |
|------------------|--------|-------|-------|-------|-------|-------|-----------|
| DD 3"x1"         | 3"     | 1     | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| DD 3"x1-1/4"     | 3"     | 1-1/4 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| DD 3"x1-1/2"     | 3"     | 1-1/2 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| DD 3"x1-3/4"     | 3"     | 1-3/4 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| DD 3"x2"         | 3"     | 2     | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| DD 3"x2-1/4"     | 3"     | 2-1/4 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| DD 3"x2-1/2"     | 3"     | 2-1/2 | 4-1/2 | 1     | 2     | 1-1/4 | 4         |
| DD 3-1/2"x1"     | 3-1/2" | 1     | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| DD 3-1/2"x1-1/4" | 3-1/2" | 1-1/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| DD 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| DD 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| DD 3-1/2"x2"     | 3-1/2" | 2     | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| DD 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| DD 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |
| DD 3-1/2"x3"     | 3-1/2" | 3     | 5-1/4 | 1-1/4 | 2-1/2 | 1-1/4 | 4         |

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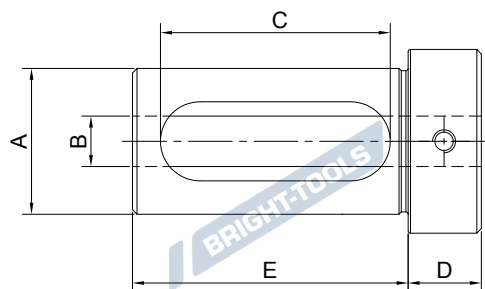
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## Tool Holder Bushing Z Type

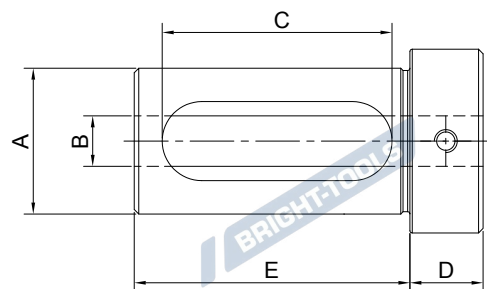
### 车床刀套 Z 型



| Size            | A(OD)  | B(ID) | C     | D   | Holes No. |
|-----------------|--------|-------|-------|-----|-----------|
| Z 3/4"x1/4"     | 3/4"   | 1/4   | 2-3/8 | 1/2 | 2-1/2     |
| Z 3/4"x5/16"    | 3/4"   | 5/16  | 2-3/8 | 1/2 | 2-1/2     |
| Z 3/4"x3/8"     | 3/4"   | 3/8   | 2-3/8 | 1/2 | 2-1/2     |
| Z 3/4"x1/2"     | 3/4"   | 1/2   | 2-3/8 | 1/2 | 2-1/2     |
| Z 1"x1/4"       | 1"     | 1/4   | 2-3/8 | 1/2 | 2-3/4     |
| Z 1"x5/16"      | 1"     | 5/16  | 2-3/8 | 1/2 | 2-3/4     |
| Z 1"x3/8"       | 1"     | 3/8   | 2-3/8 | 1/2 | 2-3/4     |
| Z 1"x1/2"       | 1"     | 1/2   | 2-3/8 | 1/2 | 2-3/4     |
| Z 1"x5/8"       | 1"     | 5/8   | 2-3/8 | 1/2 | 2-3/4     |
| Z 1"x3/4"       | 1"     | 3/4   | 2-3/8 | 1/2 | 2-3/4     |
| Z 1-1/4"x3/8"   | 1-1/4" | 3/8   | 2-5/8 | 5/8 | 3         |
| Z 1-1/4"x1/2"   | 1-1/4" | 1/2   | 2-5/8 | 5/8 | 3         |
| Z 1-1/4"x5/8"   | 1-1/4" | 5/8   | 2-5/8 | 5/8 | 3         |
| Z 1-1/4"x3/4"   | 1-1/4" | 3/4   | 2-5/8 | 5/8 | 3         |
| Z 1-1/4"x7/8"   | 1-1/4" | 7/8   | 2-5/8 | 5/8 | 3         |
| Z 1-1/4"x1"     | 1-1/4" | 1     | 2-5/8 | 5/8 | 3         |
| Z 1-1/2"x3/8"   | 1-1/2" | 3/8   | 2-7/8 | 3/4 | 3-1/4     |
| Z 1-1/2"x1/2"   | 1-1/2" | 1/2   | 2-7/8 | 3/4 | 3-1/4     |
| Z 1-1/2"x5/8"   | 1-1/2" | 5/8   | 2-7/8 | 3/4 | 3-1/4     |
| Z 1-1/2"x3/4"   | 1-1/2" | 3/4   | 2-7/8 | 3/4 | 3-1/4     |
| Z 1-1/2"x7/8"   | 1-1/2" | 7/8   | 2-7/8 | 3/4 | 3-1/4     |
| Z 1-1/2"x1"     | 1-1/2" | 1     | 2-7/8 | 3/4 | 3-1/4     |
| Z 1-1/2"x1-1/4" | 1-1/2" | 1-1/4 | 2-7/8 | 3/4 | 3-1/4     |
| Z 1-3/4"x1/2"   | 1-3/4" | 1/2   | 3-1/8 | 3/4 | 3-1/2     |
| Z 1-3/4"x5/8"   | 1-3/4" | 5/8   | 3-1/8 | 3/4 | 3-1/2     |
| Z 1-3/4"x3/4"   | 1-3/4" | 3/4   | 3-1/8 | 3/4 | 3-1/2     |
| Z 1-3/4"x7/8"   | 1-3/4" | 7/8   | 3-1/8 | 3/4 | 3-1/2     |
| Z 1-3/4"x1"     | 1-3/4" | 1     | 3-1/8 | 3/4 | 3-1/2     |
| Z 1-3/4"x1-1/4" | 1-3/4" | 1-1/4 | 3-1/8 | 3/4 | 3-1/2     |
| Z 1-3/4"x1-1/2" | 1-3/4" | 1-1/2 | 3-1/8 | 3/4 | 3-1/2     |
| Z 2"x1/2"       | 2"     | 1/2   | 3-1/2 | 3/4 | 3-3/4     |
| Z 2"x5/8"       | 2"     | 5/8   | 3-1/2 | 3/4 | 3-3/4     |
| Z 2"x3/4"       | 2"     | 3/4   | 3-1/2 | 3/4 | 3-3/4     |
| Z 2"x7/8"       | 2"     | 7/8   | 3-1/2 | 3/4 | 3-3/4     |

## Tool Holder Bushing Z Type

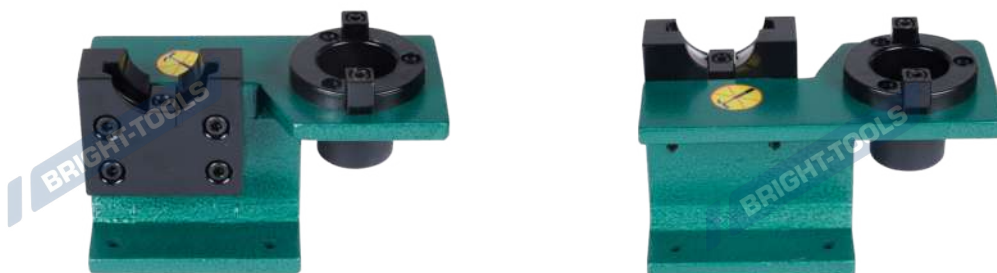
### 车床刀套 Z 型



| Size            | A(OD)  | B(ID) | C     | D   | Holes No. |
|-----------------|--------|-------|-------|-----|-----------|
| Z 2"x1"         | 2"     | 1     | 3-1/2 | 3/4 | 3-3/4     |
| Z 2"x1-1/4"     | 2"     | 1-1/4 | 3-1/2 | 3/4 | 3-3/4     |
| Z 2"x1-1/2"     | 2"     | 1-1/2 | 3-1/2 | 3/4 | 3-3/4     |
| Z 2"x1-3/4"     | 2"     | 1-3/4 | 3-1/2 | 3/4 | 3-3/4     |
| Z 2-1/2"x5/8"   | 2-1/2" | 5/8   | 3-7/8 | 3/4 | 4-1/4     |
| Z 2-1/2"x3/4"   | 2-1/2" | 3/4   | 3-7/8 | 3/4 | 4-1/4     |
| Z 2-1/2"x7/8"   | 2-1/2" | 7/8   | 3-7/8 | 3/4 | 4-1/4     |
| Z 2-1/2"x1"     | 2-1/2" | 1     | 3-7/8 | 3/4 | 4-1/4     |
| Z 2-1/2"x1-1/4" | 2-1/2" | 1-1/4 | 3-7/8 | 3/4 | 4-1/4     |
| Z 2-1/2"x1-1/2" | 2-1/2" | 1-1/2 | 3-7/8 | 3/4 | 4-1/4     |
| Z 2-1/2"x1-3/4" | 2-1/2" | 1-3/4 | 3-7/8 | 3/4 | 4-1/4     |
| Z 2-1/2"x2"     | 2-1/2" | 2     | 3-7/8 | 3/4 | 4-1/4     |
| Z 2-1/2"x2-1/4" | 2-1/2" | 2-1/4 | 3-7/8 | 3/4 | 4-1/4     |
| Z 3"x1"         | 3"     | 1     | 4-3/8 | 3/4 | 4-3/4     |
| Z 3"x1-1/4"     | 3"     | 1-1/4 | 4-3/8 | 3/4 | 4-3/4     |
| Z 3"x1-1/2"     | 3"     | 1-1/2 | 4-3/8 | 3/4 | 4-3/4     |
| Z 3"x1-3/4"     | 3"     | 1-3/4 | 4-3/8 | 3/4 | 4-3/4     |
| Z 3"x2"         | 3"     | 2     | 4-3/8 | 3/4 | 4-3/4     |
| Z 3"x2-1/4"     | 3"     | 2-1/4 | 4-3/8 | 3/4 | 4-3/4     |
| Z 3"x2-1/2"     | 3"     | 2-1/2 | 4-3/8 | 3/4 | 4-3/4     |
| Z 3-1/2"x1-1/4" | 3-1/2" | 1-1/4 | 4-7/8 | 1   | 5-1/2     |
| Z 3-1/2"x1-1/2" | 3-1/2" | 1-1/2 | 4-7/8 | 1   | 5-1/2     |
| Z 3-1/2"x1-3/4" | 3-1/2" | 1-3/4 | 4-7/8 | 1   | 5-1/2     |
| Z 3-1/2"x2"     | 3-1/2" | 2     | 4-7/8 | 1   | 5-1/2     |
| Z 3-1/2"x2-1/4" | 3-1/2" | 2-1/4 | 4-7/8 | 1   | 5-1/2     |
| Z 3-1/2"x2-1/2" | 3-1/2" | 2-1/2 | 4-7/8 | 1   | 5-1/2     |
| Z 3-1/2"x3"     | 3-1/2" | 3     | 4-7/8 | 1   | 5-1/2     |
| Z 4"x1-1/2"     | 4"     | 1-1/2 | 5-5/8 | 1   | 6-1/4     |
| Z 4"x1-3/4"     | 4"     | 1-3/4 | 5-5/8 | 1   | 6-1/4     |
| Z 4"x2"         | 4"     | 2     | 5-5/8 | 1   | 6-1/4     |
| Z 4"x2-1/4"     | 4"     | 2-1/4 | 5-5/8 | 1   | 6-1/4     |
| Z 4"x2-1/2"     | 4"     | 2-1/2 | 5-5/8 | 1   | 6-1/4     |
| Z 4"x3"         | 4"     | 3     | 5-5/8 | 1   | 6-1/4     |

## Tool Holder Locking Device

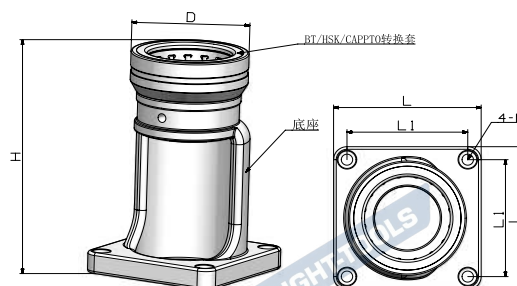
### 刀柄锁刀座



| Size        | Dimension (mm) | Wt (kg) |
|-------------|----------------|---------|
| BT30        | 168*88*110     | 2.7     |
| BT40        | 186*90*128     | 3.3     |
| BT50        | 280*138*180    | 8.3     |
| SK30(CAT30) | 168*88*110     | 2.7     |
| SK40(CAT40) | 186*90*128     | 3.3     |
| SK50(CAT50) | 280*138*180    | 8.3     |

## Tool Holder Locking Device

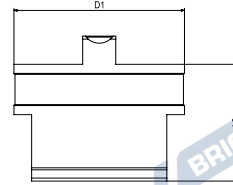
### 滚珠锁刀座



| Size        | Tool Holder               | D   | H   | L   | L1  | M  |
|-------------|---------------------------|-----|-----|-----|-----|----|
| TMS40-32    | HSK32, C3                 | 76  | 168 | 110 | 90  | M8 |
| TMS40-40    | HSK40, C4                 | 76  | 168 | 110 | 90  | M8 |
| TMS40-46    | BT30                      | 76  | 168 | 110 | 90  | M8 |
| TMS40-50    | HSK50, SK30, C5           | 76  | 168 | 110 | 90  | M8 |
| TMS40-63    | HSK63, BT40, C6           | 87  | 172 | 110 | 90  | M8 |
| TMS40-63.6  | HSK63, BT40 CAT40 SK40 C6 | 87  | 172 | 110 | 90  | M8 |
| TMS50-80    | HSK80, C8                 | 114 | 219 | 160 | 130 | M8 |
| TMS50-97.5  | SK50                      | 124 | 219 | 160 | 130 | M8 |
| TMS50-98.43 | CAT50                     | 124 | 219 | 160 | 130 | M8 |
| TMS50-100   | HSK100, BT50              | 124 | 219 | 160 | 130 | M8 |

## FIX Tool Holder Locking Device

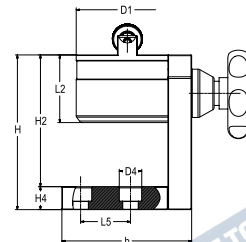
### 万向锁刀座



| Size  | Tool Holder          | D1  | L2 |
|-------|----------------------|-----|----|
| FIX30 | BT30,SK30,NT30       | 82  | 58 |
| FIX40 | BT40,CAT40,SK40,NT40 | 82  | 58 |
| FIX50 | BT50,CAT50,SK50,NT50 | 103 | 71 |

## RTY Tool Holder Locking Device

### 万向锁刀座



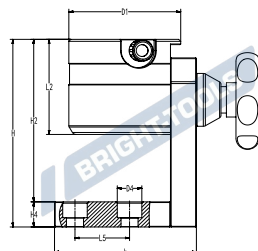
| Size  | Tool Holder          | D1  | L2 | H   | H2  | H4 | b   | L5 |
|-------|----------------------|-----|----|-----|-----|----|-----|----|
| RTY30 | BT30,SK30,NT30       | 70  | 56 | 128 | 109 | 19 | 104 | 40 |
| RTY40 | BT40,CAT40,SK40,NT40 | 82  | 56 | 128 | 109 | 19 | 104 | 40 |
| RTY50 | BT50,CAT50,SK50,NT50 | 103 | 71 | 170 | 151 | 19 | 144 | 85 |

Tool holder can be fixed at  $+90^\circ$ ,  $+45^\circ$ ,  $0^\circ$ ,  $-45^\circ$ , and  $-90^\circ$  positions.

刀柄可固定于  $+90^\circ$ 、 $+45^\circ$ 、 $0^\circ$ 、 $-45^\circ$ 、 $-90^\circ$  等位置。

## CAPTO Tool Holder Locking Device

### CAPTO 万向锁刀座



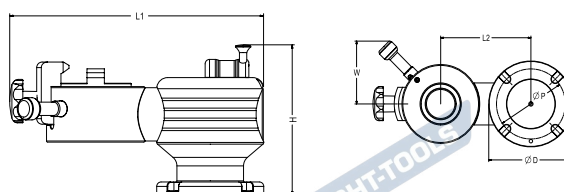
| Size           | Tool Holder | D1  | L2 | H   | H2  | H4 | b   | L5 | D4 |
|----------------|-------------|-----|----|-----|-----|----|-----|----|----|
| MULTI CLAMP C3 | C3          | 70  | 64 | 137 | 118 | 19 | 104 | 40 | 18 |
| MULTI CLAMP C4 | C4          | 78  | 67 | 136 | 117 | 19 | 104 | 40 | 18 |
| MULTI CLAMP C5 | C5          | 82  | 72 | 142 | 123 | 19 | 104 | 40 | 18 |
| MULTI CLAMP C6 | C6          | 95  | 72 | 142 | 123 | 19 | 104 | 40 | 18 |
| MULTI CLAMP C8 | C8          | 120 | 90 | 184 | 165 | 19 | 144 | 85 | 18 |

Tool holder can be fixed at  $+90^\circ$ ,  $+45^\circ$ ,  $0^\circ$ ,  $-45^\circ$ , and  $-90^\circ$  positions.

刀柄可固定于  $+90^\circ$ 、 $+45^\circ$ 、 $0^\circ$ 、 $-45^\circ$ 、 $-90^\circ$  等位置。

## TMU Tool Holder Locking Device

### 万向锁刀座



| Size         | Tool Holder | L1  | L2  | D   | H   | W   | P   | G   | Adapter       |
|--------------|-------------|-----|-----|-----|-----|-----|-----|-----|---------------|
| TMU40-40     | BT40,BBT40  | 232 | 105 | 98  | 135 | 71  | 80  | M8  | TMUA40-40     |
| TMU40-HSK63  | HSK63A      | 232 | 105 | 98  | 135 | 71  | 80  | M8  | TMUA40-HSK63  |
| TMU50-50     | BT50,BBT50  | 326 | 150 | 140 | 185 | 107 | 114 | M10 | TMUA50-50     |
| TMU50-HSK100 | HSK100A     | 326 | 150 | 140 | 185 | 107 | 114 | M10 | TMUA50-HSK100 |

Tool holder can be fixed at  $+90^\circ$ ,  $+45^\circ$ ,  $0^\circ$ ,  $-45^\circ$ , and  $-90^\circ$  positions.

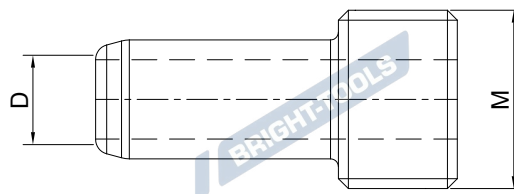
Toolholder can rotate  $360^\circ$  around its circumference, making it easy to install and remove inserts.

刀柄可固定于  $+90^\circ$ 、 $+45^\circ$ 、 $0^\circ$ 、 $-45^\circ$ 、 $-90^\circ$  等位置；

刀柄可以沿圆周方向实现  $360^\circ$  旋转，方便拆装刀具。

## HSK Coolant Tube

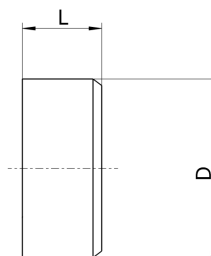
### HSK 冷却导管



| Size  | Tool Holder Size | D  | M       | L    |
|-------|------------------|----|---------|------|
| CT32  | HSK32            | 6  | M10×1   | 26   |
| CT40  | HSK40            | 8  | M12×1   | 29.5 |
| CT50  | HSK50            | 10 | M16×1   | 33   |
| CT63  | HSK63            | 12 | M18×1   | 36.5 |
| CT80  | HSK80            | 14 | M20×1.5 | 40   |
| CT100 | HSK100           | 16 | M24×1.5 | 44   |

## Balluff Data Carrier

### 巴鲁夫数据芯片



| Size           | D  | L   | Memory Type | User Data, Read/Write |
|----------------|----|-----|-------------|-----------------------|
| BIS M-122-02/A | 10 | 4.5 | FRAM        | 2000 Byte             |
| BIS C-122-04/L | 10 | 4.5 | EEPROM      | 511 Byte              |

## Clamping Kits 58 PCS

### 58 件套组合压板



#### Metric

| Size          | Wt (kg) | Packing (cm) |
|---------------|---------|--------------|
| M8*10-58 pcs  | 6.5kg   | 33*11*20     |
| M10*12-58 pcs | 7kg     | 33*11*20     |
| M12*14-58 pcs | 9.5kg   | 37*11*22     |
| M12*16-58 pcs | 10kg    | 37*11*22     |
| M14*16-58 pcs | 12kg    | 39*11*22     |
| M14*18-58 pcs | 12.5kg  | 39*11*22     |
| M16*18-58 pcs | 16kg    | 49*13*23     |
| M16*20-58 pcs | 16.5kg  | 49*13*23     |
| M18*20-58 pcs | 23kg    | 38*16*29     |
| M20*22-58 pcs | 25kg    | 38*16*29     |
| M22*26-58 pcs | 40kg    | 47*25*29     |

#### Inch

| Size           | Wt (kg) | Packing (cm) |
|----------------|---------|--------------|
| 5/16"-18*3/8"  | 6kg     | 33*11*20     |
| 3/8"-16*7/16"  | 7kg     | 33*11*20     |
| 3/8"-16*1/2"   | 7kg     | 33*11*20     |
| 3/8"-16*9/16"  | 7kg     | 33*11*20     |
| 1/2"-13-9/16"  | 10kg    | 37*11*22     |
| 1/2"-13-5/8"   | 10kg    | 37*11*22     |
| 1/2"-13-11/16" | 10kg    | 37*11*22     |
| 5/8"-11-11/16" | 16kg    | 39*13*23     |
| 5/8"-11-3/4"   | 16kg    | 39*13*23     |
| 5/8"-11-13/16" | 16kg    | 39*13*23     |
| 3/4"-10*7/8"   | 24kg    | 38*16*29     |

## Tool Holder Trolley 刀具车



| Size     | Cabinet Size       | Packing Size       | Wt (kg) |
|----------|--------------------|--------------------|---------|
| BT30-36  | 920 x 475 x 775 mm | 700 x 490 x 330 mm | 30      |
| BT40-36  | 920 x 475 x 775 mm | 700 x 490 x 330 mm | 31      |
| BT50-24  | 920 x 475 x 775 mm | 700 x 490 x 330 mm | 32      |
| HSK63-24 | 920 x 475 x 775 mm | 700 x 490 x 330 mm | 31      |

## Tool Holder Stand 刀架 (刀柄座)



| Size      | Cabinet Size       | Packing Size       | Wt (kg) |
|-----------|--------------------|--------------------|---------|
| BT30-TS12 | 495 x 240 x 150 mm | 525 x 270 x 180 mm | 3.4     |
| BT40-TS12 | 495 x 240 x 150 mm | 525 x 270 x 180 mm | 3.5     |
| BT50-TS8  | 495 x 240 x 150 mm | 525 x 270 x 180 mm | 3.6     |
| HSK63-TS8 | 495 x 240 x 150 mm | 525 x 270 x 180 mm | 3.5     |

## Tool Holder Cabinet 刀具柜



| Size       | Cabinet Size        | Packing Size        | Wt (kg) |
|------------|---------------------|---------------------|---------|
| BT30-TE54  | 650 x 405 x 1545 mm | 680 x 435 x 1575 mm | 53      |
| BT40-TE54  | 650 x 405 x 1545 mm | 680 x 435 x 1575 mm | 54      |
| BT50-TE36  | 650 x 405 x 1545 mm | 680 x 435 x 1575 mm | 55      |
| HSK63-TE36 | 650 x 405 x 1545 mm | 680 x 435 x 1575 mm | 54      |

## Tool Holder Trolley (带抽屉) 刀具车



| Size       | Cabinet Size       | Packing Size       | Wt (kg) |
|------------|--------------------|--------------------|---------|
| BT30-TH54  | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 63      |
| BT40-TH54  | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 64      |
| BT50-TH36  | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 65      |
| HSK63-TH36 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 64      |

## Tool Holder Trolley (带抽屉) 刀具车



| Size       | Cabinet Size       | Packing Size       | Wt (kg) |
|------------|--------------------|--------------------|---------|
| BT30-TL24  | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 52      |
| BT40-TL24  | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 53      |
| BT50-TL16  | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 54      |
| HSK63-TL16 | 600 x 600 x 915 mm | 630 x 630 x 945 mm | 53      |

## Tool Holder Trolley (带抽屉) 刀具车



| Size       | Cabinet Size        | Packing Size        | Wt (kg) |
|------------|---------------------|---------------------|---------|
| BT30-TD54  | 600 x 600 x 1015 mm | 630 x 630 x 1045 mm | 72      |
| BT40-TD54  | 600 x 600 x 1015 mm | 630 x 630 x 1045 mm | 73      |
| BT50-TD36  | 600 x 600 x 1015 mm | 630 x 630 x 1045 mm | 74      |
| HSK63-TD36 | 600 x 600 x 1015 mm | 630 x 630 x 1045 mm | 73      |

## Tool Holder Cleaning Device

### 除锈机



| Size       | Taper       | Base Unit | Brush Head    | Brush Head D | Reduction Qty |
|------------|-------------|-----------|---------------|--------------|---------------|
| TCD-30     | BT/SK/CAT30 | TCD-BU    | TCD-30-BH     | 50           | 2             |
| TCD-40     | BT/SK/CAT40 | TCD-BU    | TCD-40-BH     | 63.55        | 2             |
| TCD-50     | BT/SK/CAT50 | TCD-BU    | TCD-50-BH     | 100          | 3             |
| TCD-HSK50  | HSK50       | TCD-BU    | TCD-HSK50-BH  | 50           | -             |
| TCD-HSK63  | HSK63       | TCD-BU    | TCD-HSK63-BH  | 63           | -             |
| TCD-HSK80  | HSK80       | TCD-BU    | TCD-HSK80-BH  | 80           | -             |
| TCD-HSK100 | HSK100      | TCD-BU    | TCD-HSK100-BH | 100          | -             |

All tool holders use the same base unit, only to change the brush head for different tapers.  
Included reduction rings to be used with the brush head for toolholders according different taper standards.

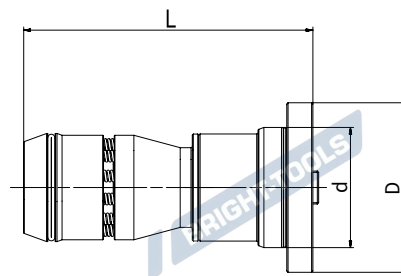
- TCD-30: two reduction rings, one for SK30 tool holders, the other one for BT30 and CAT30.
- TCD-40: two reduction rings, one for BT40 tool holders, the other one for SK40 and CAT40.
- TCD-50: three reduction rings for BT50, SK50 and CAT50 tool holders.
- HSK cleaning devices are used for Form A/C/D/E, without reductions and hex key.

刀柄清洁剂底座通用，根据锥柄不同选配不同的清洁刷装置。  
随附的转换环与不同锥柄的清洁刷装置一起使用。

- 刀柄清洁剂底座通用，根据锥柄不同选配不同的清洁刷装置。
- 随附的转换环与不同锥柄的清洁刷装置一起使用。
- TCD-30: 随附两个转换环，一个供 SK30 使用，另一个 BT30 和 CAT30 通用；
- TCD-40: 随附两个转换环，一个供 BT40 使用，另一个 SK40 和 CAT40 通用；
- TCD-50: 随附三个转换环，分别用于 BT50, SK50 和 CAT50；
- HSK 系列清洁剂不配六角扳手，不配转换环，适用类型 A/C/D/E。

## Balancing Adapter

### 动平衡机转换套



| Size       | Taper                 | d   | D  | L   |
|------------|-----------------------|-----|----|-----|
| DPH-30     | BBT/BT/SK/CAT 30      | 130 | 92 | 165 |
| DPH-40     | BBT/BT/SK/CAT 40      | 130 | 92 | 165 |
| DPH-50     | BBT/BT/SK/CAT 50      | 130 | 92 | 225 |
| DPH-HSK32  | HSK32A/HSK32E/HSK40F  | 130 | 92 | 125 |
| DPH-HSK40  | HSK40A/HSK40E/HSK50F  | 130 | 92 | 130 |
| DPH-HSK50  | HSK50A/HSK50E/HSK63F  | 130 | 92 | 130 |
| DPH-HSK63  | HSK63A/HSK63E/HSK80F  | 130 | 92 | 130 |
| DPH-HSK80  | HSK80A/HSK80E/HSK100F | 130 | 92 | 155 |
| DPH-HSK100 | HSK100A/HSK100E       | 130 | 92 | 155 |