



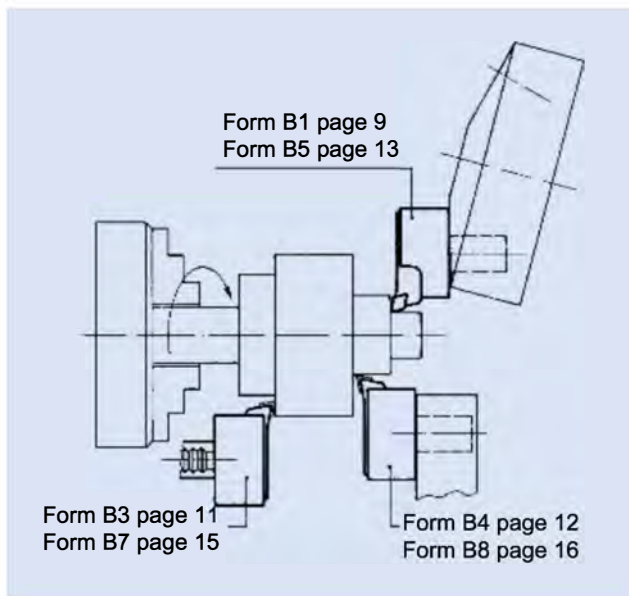
## VDI 工具系统 VDI TOOLING SYSTEM



TOOLHOLDERS FOR CNC LATHES  
PORTAUTENSILI PER TORNII CNC

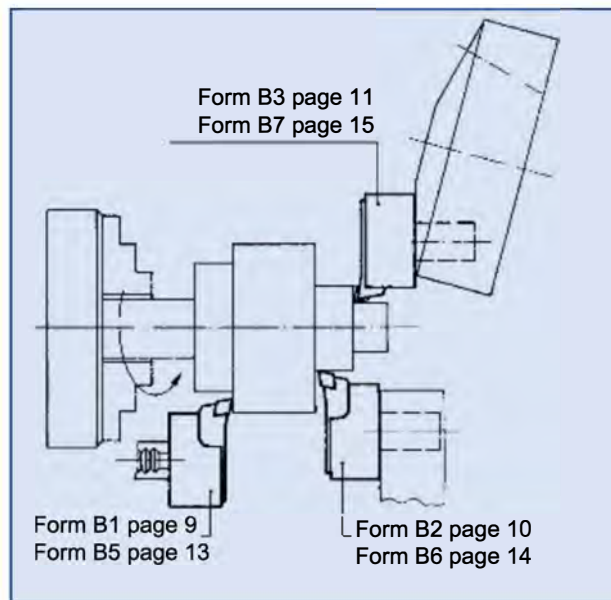
## 刀架应用示意图

## Sketch map of tool holder



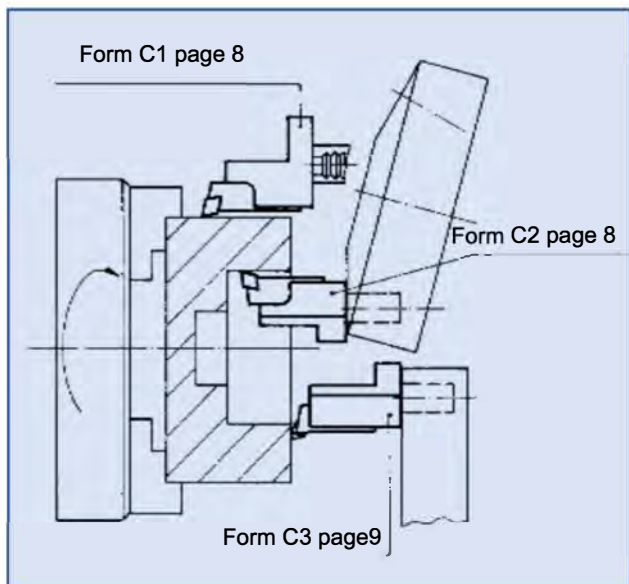
### 逆时针旋转径向刀架的应用

Application of radial tool holders  
with anti-clockwise spindle rotation



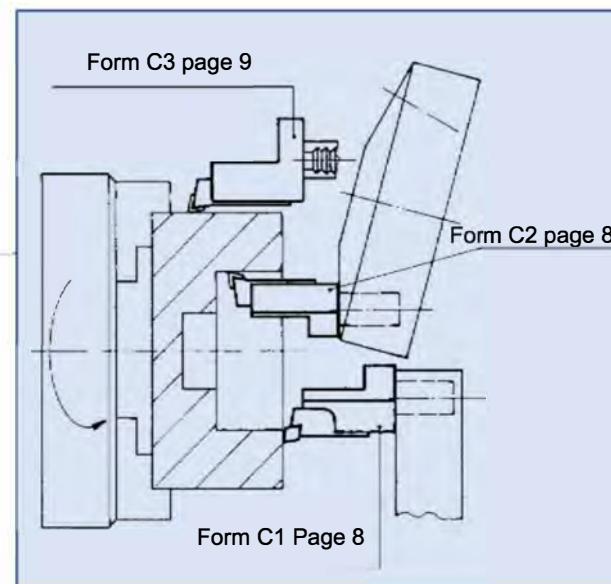
### 顺时针旋转径向刀架的使用

Application of radial tool holders with  
clockwise spindle rotation



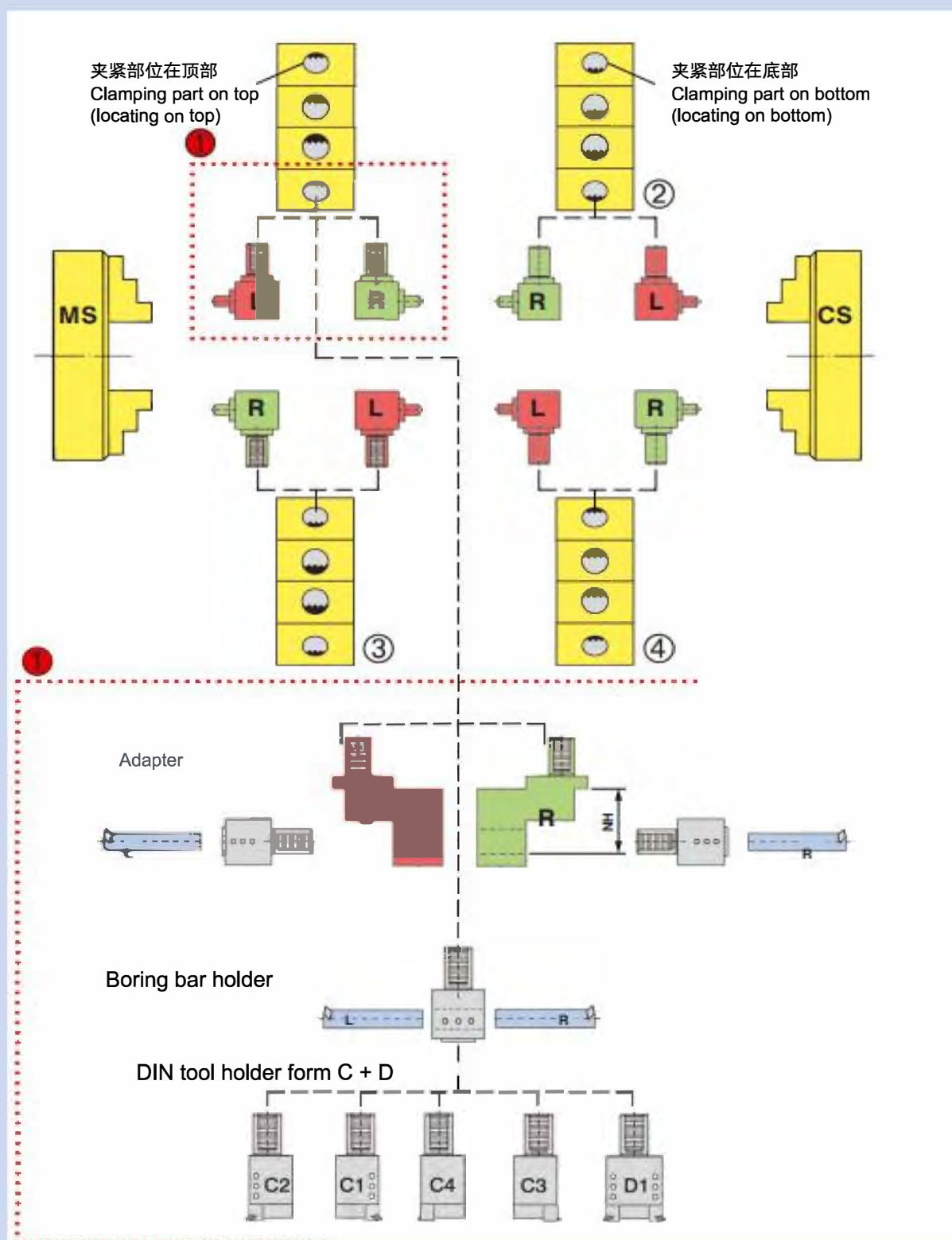
### 逆时针旋转轴向刀架的应用

Application of axial tool holders  
with anti-clockwise spindle rotation



### 顺时针轴向刀架的应用

Application of axial tool holders  
with clockwise spindle rotation



# DIN 69880



## VDI刀柄

## 技术特点

N B D 刀座均是根据DIN69880标准制造的。圆柱柄的误差 - 依据 IT6 (H6) 等级 弹簧夹头的径向跳动精度DIN 69880-6

- ▲标准允许 DIN 6499 和 DIN 6388 弹簧夹头的径向跳动误差为 0.002。
- ▲用表面硬化钢材制造，硬度达 HRC 58+-2，强度达 800-1000 N/平方毫米。
- ▲内径、柄和齿间均完全经过打磨处理



## TOOLHOLDERS WITH CYLINDRICAL SHANK VDI TECHNICAL FEATURES

All N B D machinery toolholders are manufactured according to DIN 69880.  
CYLINDRICAL SHANK'S TOLERANCE - According to the class IT6 (h6)  
COLLET CHUCK'S RUNOUT ACCURACY

- ▲The norm DIN 69880-6 permits a runout error of 0,002 for DIN 6499 and DIN 6388 collet chucks
- ▲Manufactured with casehardening steel with hardness HRC 58+-2, strenght 800- 1000 N/mm2
- ▲Internal diameters, shank and toothing are completely grinding finished

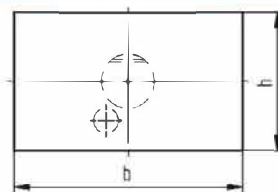
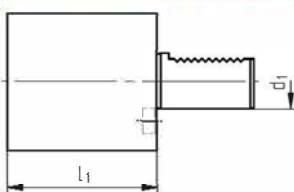
## 数控刀夹系列 NC TOOL HOLDER SERIES

本产品为数控车床、车削加工中心等必备附件，严格按照德DIN69880标准生产，具有结构先进、制造精度高、使用方便和互换性强等优点。可选用不同类型规格的刀夹配置，在数控机床上进行车、钻、镗、铣等加工。

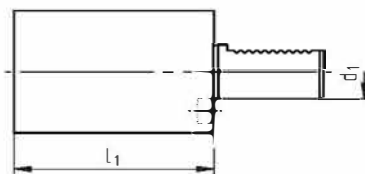
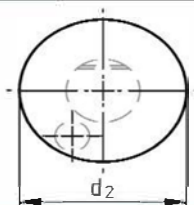
It is essential machine tool accessories for working center of CNC machine. We produce according to German DIN69880 standard, it features developed structure, high accuracy, convenient and alternative etc. It can satisfy the needs of turning, drilling, boring and milling etc. With various tool holders and allocate different types tool and accessory.

### VDI 素材

### VDI Material



| 型号<br>Cat No | d1 | l1  | b   | h   |
|--------------|----|-----|-----|-----|
| A1-16x44     | 16 | 44  | 78  | 44  |
| A1-20x65     | 20 | 65  | 100 | 60  |
| A1-25x75     | 25 | 75  | 100 | 60  |
| A1-30x85     | 30 | 85  | 130 | 76  |
| A1-40x100    | 40 | 100 | 151 | 96  |
| A1-50x125    | 50 | 125 | 160 | 120 |
| A1-60x160    | 60 | 160 | 165 | 125 |

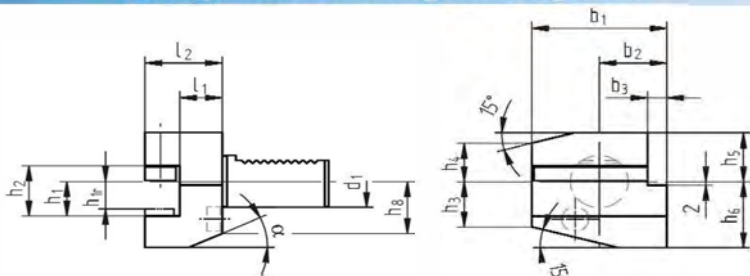


| 型号<br>Cat No | d1 | l1  | d2  |
|--------------|----|-----|-----|
| A2-16X60     | 16 | 60  | 40  |
| A2-20X70     | 20 | 70  | 50  |
| A2-25X80     | 25 | 80  | 58  |
| A2-25X200    | 25 | 200 | 58  |
| A2-30X100    | 30 | 100 | 68  |
| A2-30X240    | 30 | 240 | 68  |
| A2-40X120    | 40 | 120 | 83  |
| A2-40X200    | 40 | 200 | 83  |
| A2-40X320    | 40 | 320 | 83  |
| A2-50X135    | 50 | 135 | 98  |
| A2-50X220    | 50 | 220 | 98  |
| A2-50X400    | 50 | 400 | 98  |
| A2-60X150    | 60 | 150 | 123 |
| A2-60X480    | 60 | 480 | 123 |



## B1型径向右刀夹

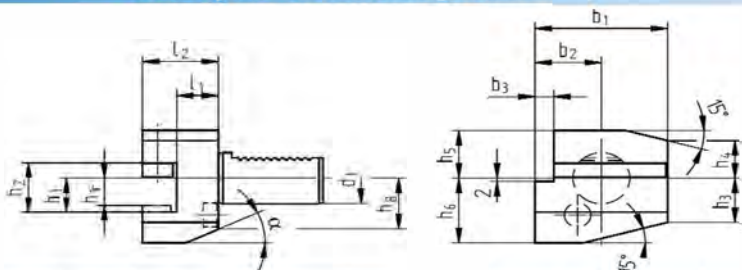
## TYPE B1 TOOL HOLDER with square crossholding fixture right, short



| 型号<br>Cat No | d1 | b1  | b2   | b3   | h1    | h2 | h3   | h4   | h5   | h6   | h8 | 11 | 12 | $\alpha$ |
|--------------|----|-----|------|------|-------|----|------|------|------|------|----|----|----|----------|
| B1-16X12X24  | 16 | 42  | 23   | 5    | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 13 | 24 | 30°      |
| B1-16X12X34  | 16 | 42  | 23   | 5    | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 23 | 34 | 30°      |
| B1-20X16X30  | 20 | 55  | 30   | 7    | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 16 | 30 | 30°      |
| B1-20X16X40  | 20 | 55  | 30   | 7    | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 26 | 40 | 30°      |
| B1-25X16X30  | 25 | 55  | 30   | 7    | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 23 | 16 | 30 | 30°      |
| B1-25X16X40  | 25 | 55  | 30   | 7    | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 23 | 26 | 40 | 30°      |
| B1-30X20X40  | 30 | 70  | 35   | 10   | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 22 | 40 | 25°      |
| B1-30X20X60  | 30 | 70  | 35   | 10   | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 42 | 60 | 25°      |
| B1-40X25X44  | 40 | 85  | 42.5 | 12.5 | 25/20 | 34 | 35   | 30   | 32.5 | 48   | —  | 22 | 44 | —        |
| B1-50X32X55  | 50 | 100 | 50   | 16   | 32/25 | 41 | 42   | 35   | 35   | 60   | —  | 30 | 55 | —        |
| B1-60X32X60  | 60 | 125 | 62.5 | 16   | 32/25 | 41 | 46   | 42.5 | 42.5 | 62.5 | —  | 30 | 60 | —        |

## B2型径向左刀夹

## TYPE B2 TOOL HOLDER with square crossholding fixture left, short

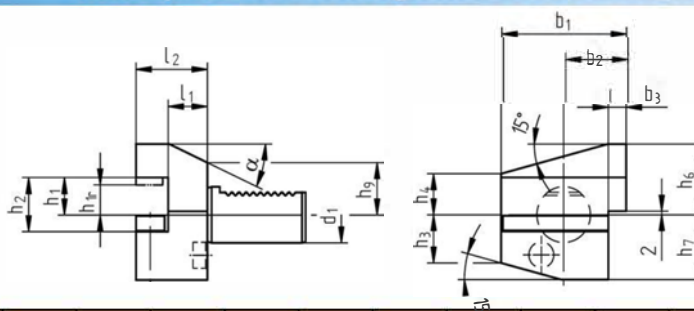


| 型号<br>Cat No | d1 | b1  | b2   | b3   | h1    | h2 | h3   | h4   | h5   | h6   | h8 | 11 | 12 | $\alpha$ |
|--------------|----|-----|------|------|-------|----|------|------|------|------|----|----|----|----------|
| B2-16X12X24  | 16 | 42  | 23   | 5    | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 13 | 24 | 30°      |
| B2-16X12X34  | 16 | 42  | 23   | 5    | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 23 | 34 | 30°      |
| B2-20X16X30  | 20 | 55  | 30   | 7    | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 16 | 30 | 30°      |
| B2-20X16X40  | 20 | 55  | 30   | 7    | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 26 | 40 | 30°      |
| B2-25X16X30  | 25 | 55  | 30   | 7    | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 25 | 16 | 30 | 30°      |
| B2-25X16X40  | 25 | 55  | 30   | 7    | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 25 | 26 | 40 | 30°      |
| B2-30X20X40  | 30 | 70  | 35   | 10   | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 22 | 40 | 25°      |
| B2-30X20X60  | 30 | 70  | 35   | 10   | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 42 | 60 | 25°      |
| B2-40X25X44  | 40 | 85  | 42.5 | 12.5 | 25/20 | 34 | 35   | 30   | 32.5 | 48   | —  | 22 | 44 | —        |
| B2-50X32X55  | 50 | 100 | 50   | 16   | 32/25 | 41 | 42   | 35   | 35   | 60   | —  | 30 | 55 | —        |
| B2-60X32X60  | 60 | 125 | 62.5 | 16   | 32/25 | 41 | 46   | 42.5 | 42.5 | 62.5 | —  | 30 | 60 | —        |

### B3型径向右刀夹 (刀具反装)

### TYPE B3 TOOL HOLDER

with square crossholding fixture overhead right, short

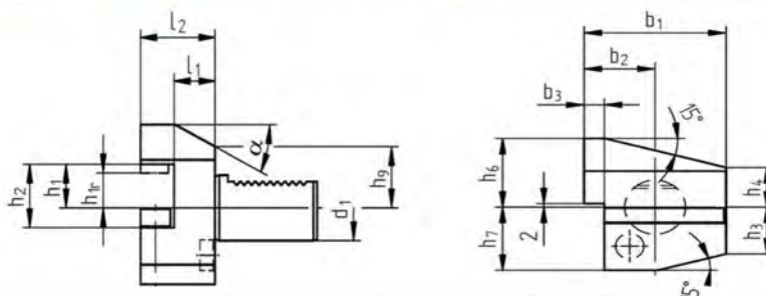


| 型号 Cat No   | d1 | b1  | b2   | b3   | h1    | h2 | h3   | h4   | h6   | h7   | h9 | 11 | 12 | $\alpha$ |
|-------------|----|-----|------|------|-------|----|------|------|------|------|----|----|----|----------|
| B3-16X12X24 | 16 | 42  | 23   | 5    | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 13 | 24 | 30°      |
| B3-16X12X34 | 16 | 42  | 23   | 5    | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 23 | 34 | 30°      |
| B3-20X16X30 | 20 | 55  | 30   | 7    | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 16 | 30 | 30°      |
| B3-20X16X40 | 20 | 55  | 30   | 7    | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 26 | 40 | 30°      |
| B3-25X16X30 | 25 | 55  | 30   | 7    | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 16 | 30 | 30°      |
| B3-25X16X40 | 25 | 55  | 30   | 7    | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 26 | 40 | 30°      |
| B3-30X20X40 | 30 | 70  | 35   | 10   | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 22 | 40 | 25°      |
| B3-30X20X60 | 30 | 70  | 35   | 10   | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 42 | 60 | 25°      |
| B3-40X25X44 | 40 | 85  | 42.5 | 12.5 | 25/20 | 34 | 35   | 30   | 48   | 42.8 | —  | 22 | 44 | —        |
| B3-50X32X55 | 50 | 100 | 50   | 16   | 32/25 | 41 | 42   | 35   | 60   | 50   | —  | 30 | 55 | —        |
| B3-60X32X60 | 60 | 125 | 62.5 | 16   | 32/25 | 41 | 46   | 42.5 | 62.5 | 62.5 | —  | 30 | 60 | —        |

### B4型径向左刀夹(刀具反装)

### TYPE B4 TOOL HOLDER

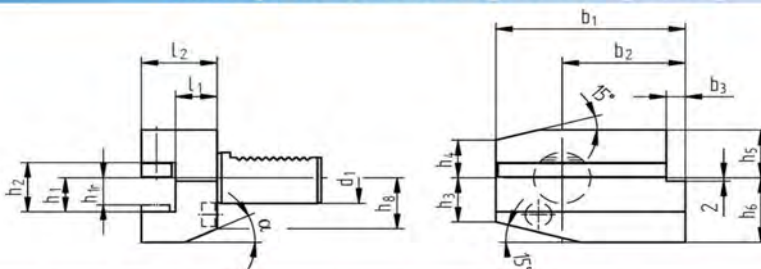
with square crossholding fixture overhead left, short



| 型号 Cat No   | d1 | b1  | b2   | b3   | h1    | h2 | h3   | h4   | h6   | h7   | h9 | 11 | 12 | $\alpha$ |
|-------------|----|-----|------|------|-------|----|------|------|------|------|----|----|----|----------|
| B4-16X12X24 | 16 | 42  | 23   | 5    | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 13 | 24 | 30°      |
| B4-16X12X34 | 16 | 42  | 23   | 5    | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 23 | 34 | 30°      |
| B4-20X16X30 | 20 | 55  | 30   | 7    | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 16 | 30 | 30°      |
| B4-20X16X40 | 20 | 55  | 30   | 7    | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 26 | 40 | 30°      |
| B4-25X16X30 | 25 | 55  | 30   | 7    | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 16 | 30 | 30°      |
| B4-25X16X40 | 25 | 55  | 30   | 7    | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 26 | 40 | 30°      |
| B4-30X20X40 | 30 | 70  | 35   | 10   | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 22 | 40 | 25°      |
| B4-30X20X60 | 30 | 70  | 35   | 10   | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 42 | 60 | 25°      |
| B4-40X25X44 | 40 | 85  | 42.5 | 12.5 | 25/20 | 34 | 35   | 30   | 48   | 42.5 | —  | 22 | 44 | —        |
| B4-50X32X55 | 50 | 100 | 50   | 16   | 32/25 | 41 | 42   | 35   | 60   | 50   | —  | 30 | 55 | —        |
| B4-60X32X60 | 60 | 125 | 62.5 | 16   | 32/25 | 41 | 46   | 42.5 | 62.5 | 62.5 | —  | 30 | 60 | —        |

### B5型径向右刀夹(加长型)

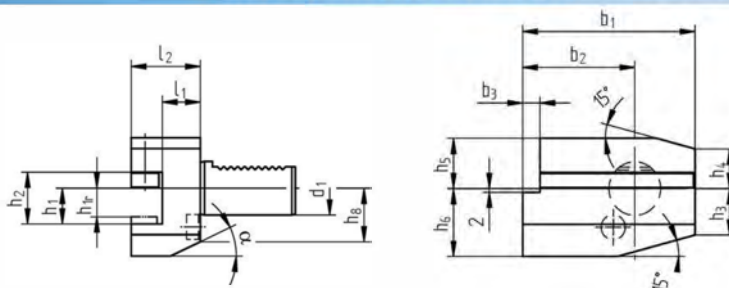
### TYPE B5 TOOL HOLDER with square crossholding fixture right, long



| 型号<br>Cat No | d1 | b1  | b2   | b3   | h1    | h2 | h3   | h4   | h5   | h6   | h8 | 11 | 12 | $\alpha$ |
|--------------|----|-----|------|------|-------|----|------|------|------|------|----|----|----|----------|
| B5-16X12X24  | 16 | 58  | 39   | 5    | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 13 | 24 | 30°      |
| B5-16X12X34  | 16 | 58  | 39   | 5    | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 23 | 34 | 30°      |
| B5-20X16X30  | 20 | 75  | 50   | 7    | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 16 | 30 | 30°      |
| B5-20X16X40  | 20 | 75  | 50   | 7    | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 26 | 40 | 30°      |
| B5-25X16X30  | 25 | 75  | 50   | 7    | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 25 | 16 | 30 | 30°      |
| B5-25X16X40  | 25 | 75  | 50   | 7    | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 25 | 26 | 40 | 30°      |
| B5-30X20X40  | 30 | 100 | 65   | 10   | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 22 | 40 | 25°      |
| B5-30X20X60  | 30 | 100 | 65   | 10   | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 42 | 60 | 25°      |
| B5-40X25X44  | 40 | 118 | 75.5 | 12.5 | 25/20 | 34 | 35   | 30   | 32.5 | 48   | —  | 22 | 44 | —        |
| B5-50X32X55  | 50 | 130 | 80   | 16   | 32/25 | 41 | 42   | 35   | 35   | 60   | —  | 30 | 55 | —        |
| B5-60X32X60  | 60 | 145 | 82.5 | 16   | 32/25 | 41 | 46   | 42.5 | 42.5 | 62.5 | —  | 30 | 60 | —        |

### B6型径向左刀夹 (加长型)

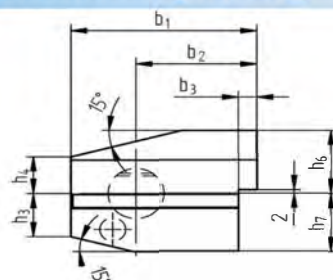
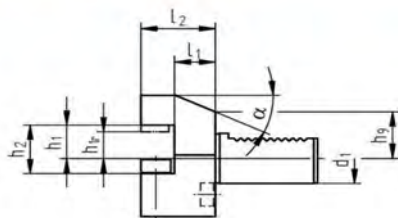
### TYPE B6 TOOL HOLDER with square crossholding fixture left, long



| 型号<br>Cat No | d1 | b1  | b2   | b3   | h1    | h2 | h3   | h4   | h5   | h6   | h8 | 11 | 12 | $\alpha$ |
|--------------|----|-----|------|------|-------|----|------|------|------|------|----|----|----|----------|
| B6-16X12X24  | 16 | 58  | 39   | 5    | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 13 | 24 | 30°      |
| B6-16X12X34  | 16 | 58  | 39   | 5    | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 23 | 34 | 30°      |
| B6-20X16X30  | 20 | 75  | 50   | 7    | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 16 | 30 | 30°      |
| B6-20X16X40  | 20 | 75  | 50   | 7    | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 26 | 40 | 30°      |
| B6-25X16X30  | 25 | 75  | 50   | 7    | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 25 | 16 | 30 | 30°      |
| B6-25X16X40  | 25 | 75  | 50   | 7    | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 25 | 26 | 40 | 30°      |
| B6-30X20X40  | 30 | 100 | 65   | 10   | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 22 | 40 | 25°      |
| B6-30X20X60  | 30 | 100 | 65   | 10   | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 42 | 60 | 25°      |
| B6-40X25X44  | 40 | 118 | 75.5 | 12.5 | 25/20 | 34 | 35   | 30   | 32.5 | 48   | —  | 22 | 44 | —        |
| B6-50X32X55  | 50 | 130 | 80   | 16   | 32/25 | 41 | 42   | 35   | 35   | 60   | —  | 30 | 55 | —        |
| B6-60X32X60  | 60 | 145 | 82.5 | 16   | 32/25 | 41 | 46   | 42.5 | 42.5 | 62.5 | —  | 30 | 60 | —        |

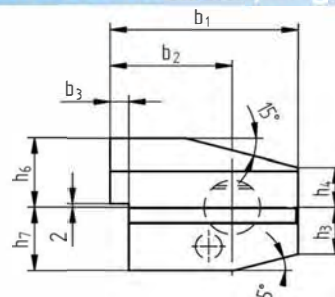
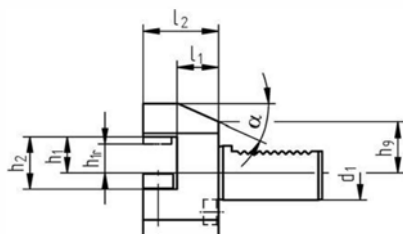


**B7型径向右刀夹 (加长型、刀具反装) TYPE B7 TOOL HOLDER**  
with square crossholding fixture overhead right, long



| 型号<br>Cat No | d1 | b1  | b2   | b3   | h1    | h2 | h3   | h4   | h6   | h7   | h9 | 11 | 12 | $\alpha$ |
|--------------|----|-----|------|------|-------|----|------|------|------|------|----|----|----|----------|
| B7-16X12X24  | 16 | 58  | 39   | 5    | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 13 | 24 | 30°      |
| B7-16X12X34  | 16 | 58  | 39   | 5    | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 23 | 34 | 30°      |
| B7-20X16X30  | 20 | 75  | 50   | 7    | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 16 | 30 | 30°      |
| B7-20X16X40  | 20 | 75  | 50   | 7    | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 26 | 40 | 30°      |
| B7-25X16X30  | 25 | 75  | 50   | 7    | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 16 | 30 | 30°      |
| B7-25X16X40  | 25 | 75  | 50   | 7    | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 26 | 40 | 30°      |
| B7-30X20X40  | 30 | 100 | 65   | 10   | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 22 | 40 | 25°      |
| B7-30X20X60  | 30 | 100 | 65   | 10   | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 42 | 60 | 25°      |
| B7-40X25X44  | 40 | 118 | 75.5 | 12.5 | 25/20 | 34 | 35   | 30   | 48   | 42.5 | —  | 22 | 44 | —        |
| B7-50X32X55  | 50 | 130 | 80   | 16   | 32/25 | 41 | 42   | 35   | 60   | 50   | —  | 30 | 55 | —        |
| B7-60X32X60  | 60 | 145 | 82.5 | 16   | 32/25 | 41 | 46   | 42.5 | 62.5 | 62.5 | —  | 30 | 60 | —        |

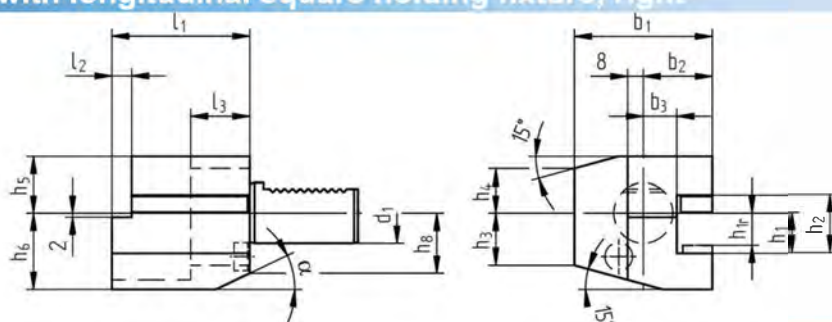
**B8型径向左刀夹(加长型、刀具反装) TYPE B8 TOOL HOLDER**  
with square crossholding fixture overhead left, long



| 型号<br>Cat No | d1 | b1  | b2   | b3   | h1    | h2 | h3   | h4   | h6   | h7   | h9 | 11 | 12 | $\alpha$ |
|--------------|----|-----|------|------|-------|----|------|------|------|------|----|----|----|----------|
| B8-16X12X24  | 16 | 58  | 39   | 5    | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 13 | 24 | 30°      |
| B8-16X12X34  | 16 | 58  | 39   | 5    | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 23 | 34 | 30°      |
| B8-20X16X30  | 20 | 75  | 50   | 7    | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 16 | 30 | 30°      |
| B8-20X16X40  | 20 | 75  | 50   | 7    | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 26 | 40 | 30°      |
| B8-25X16X30  | 25 | 75  | 50   | 7    | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 16 | 30 | 30°      |
| B8-25X16X40  | 25 | 75  | 50   | 7    | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 26 | 40 | 30°      |
| B8-30X20X40  | 30 | 100 | 65   | 10   | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 22 | 40 | 25°      |
| B8-30X20X60  | 30 | 100 | 65   | 10   | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 42 | 60 | 25°      |
| B8-40X25X44  | 40 | 118 | 75.5 | 12.5 | 25/20 | 34 | 35   | 30   | 48   | 42.5 | —  | 22 | 44 | —        |
| B8-50X32X55  | 50 | 130 | 80   | 16   | 32/25 | 41 | 42   | 35   | 60   | 50   | —  | 30 | 55 | —        |
| B8-60X32X60  | 60 | 145 | 82.5 | 16   | 32/25 | 41 | 46   | 42.5 | 62.5 | 62.5 | —  | 30 | 60 | —        |

## C1型轴向右刀夹

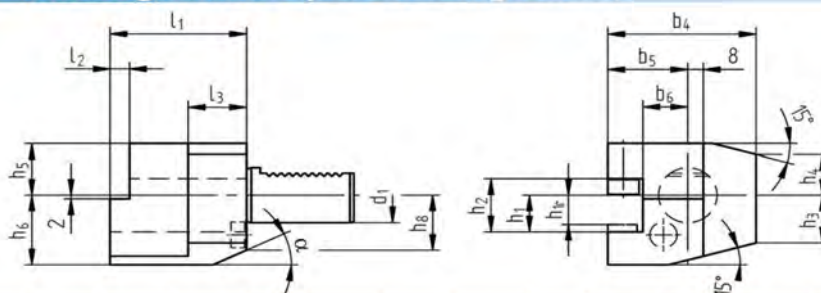
## TYPE C1 TOOL HOLDER with longitudinal square holding fixture, right



| 型号<br>Cat No | d1 | b1  | b2   | b3 | h1    | h2 | h3   | h4   | h5   | h6   | h8 | l1  | l2   | l3 | $\alpha$ |
|--------------|----|-----|------|----|-------|----|------|------|------|------|----|-----|------|----|----------|
| C1-16X12     | 16 | 43  | 24   | 13 | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 44  | 5    | 20 | 30°      |
| C1-20X16/55  | 20 | 52  | 27   | 13 | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 55  | 7    | 30 | 30°      |
| C1-20X16/50  | 20 | 52  | 27   | 13 | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 50  | —    | 30 | 30°      |
| C1-25X16     | 25 | 58  | 33   | 19 | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 25 | 55  | 7    | 20 | 30°      |
| C1-25X20     | 25 | 62  | 37   | 19 | 20/16 | 29 | 22.5 | 22.5 | 28   | 35   | 28 | 55  | 7    | 20 | 30°      |
| C1-30X20     | 30 | 70  | 35   | 17 | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 70  | 10   | 30 | 25°      |
| C1-40X25     | 40 | 85  | 45.5 | 21 | 25/20 | 34 | 35   | 30   | 32.5 | 48   | —  | 85  | 12.5 | 30 | —        |
| C1-50X32     | 50 | 100 | 50   | 26 | 32/25 | 41 | 42   | 35   | 35   | 60   | —  | 100 | 16   | 40 | —        |
| C1-60X32     | 60 | 125 | 62.5 | 33 | 32/25 | 41 | 46   | 42.5 | 42.5 | 62.5 | —  | 125 | 16   | 40 | —        |

## C2型轴向左刀夹

## TYPE C2 TOOL HOLDER with longitudinal square holding fixture, left

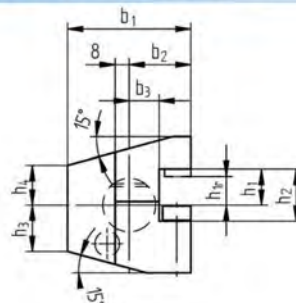
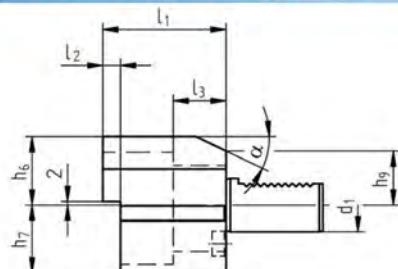


| 型号<br>Cat No | d1 | b4  | b5   | b6   | h1    | h2 | h3   | h4   | h5   | h6   | h8 | l1  | l2   | l3 | $\alpha$ |
|--------------|----|-----|------|------|-------|----|------|------|------|------|----|-----|------|----|----------|
| C2-16X12     | 16 | 43  | 24   | 13   | 12    | 17 | 15   | 15   | 20   | 22   | 19 | 44  | 5    | 20 | 30°      |
| C2-20X16/55  | 20 | —   | —    | —    | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 55  | 7    | 30 | 30°      |
| C2-20X16/50  | 20 | 65  | 40   | 26   | 16/12 | 22 | 19   | 19   | 25   | 30   | 23 | 50  | —    | 30 | 30°      |
| C2-25X16     | 25 | 58  | 33   | 19   | 16/12 | 22 | 22.5 | 22.5 | 25   | 30   | 25 | 55  | 7    | 20 | 30°      |
| C2-25X20     | 25 | 62  | 37   | 19   | 20/16 | 29 | 22.5 | 22.5 | 28   | 35   | 28 | 55  | 7    | 20 | 30°      |
| C2-30X20     | 30 | 76  | 41   | 23   | 20/16 | 29 | 26   | 22   | 28   | 38   | 30 | 70  | 10   | 30 | 25°      |
| C2-40X25     | 40 | 90  | 47.5 | 25.5 | 25/20 | 34 | 35   | 30   | 32.5 | 48   | —  | 85  | 12.5 | 30 | —        |
| C2-50X32     | 50 | 105 | 55   | 30.5 | 32/25 | 41 | 42   | 35   | 35   | 60   | —  | 100 | 16   | 40 | —        |
| C2-60X32     | 60 | 125 | 62.5 | 33   | 32/25 | 41 | 46   | 42.5 | 42.5 | 62.5 | —  | 125 | 16   | 40 | —        |

### C3型轴向右刀夹(刀具反装)

### TYPE C3 TOOL HOLDER

with longitudinal square holding fixture overhead, right

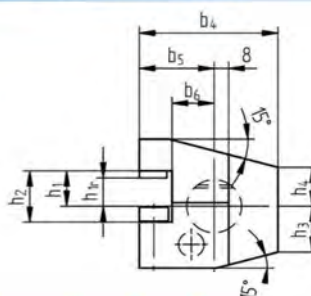
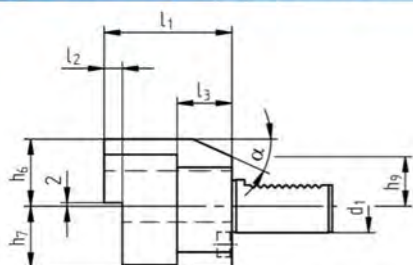


| 型号 Cat No   | d1 | b1  | b2   | b3 | h1    | h2 | h3   | h4   | h6   | h7   | h9 | l1  | l2   | l3 | $\alpha$ |
|-------------|----|-----|------|----|-------|----|------|------|------|------|----|-----|------|----|----------|
| C3-16X12    | 16 | 43  | 24   | 13 | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 44  | 5    | 20 | 30°      |
| C3-20X16/55 | 20 | 52  | 27   | 13 | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 55  | 7    | 30 | 30°      |
| C3-20X16/50 | 20 | 65  | 40   | 26 | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 50  | —    | 30 | 30°      |
| C3-25X16    | 25 | 58  | 33   | 19 | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 55  | 7    | 20 | 30°      |
| C3-25X20    | 25 | 62  | 37   | 19 | 20/16 | 29 | 22.5 | 22.5 | 35   | 28   | 28 | 55  | 7    | 20 | 30°      |
| C3-30X20    | 30 | 70  | 35   | 17 | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 70  | 10   | 30 | 25°      |
| C3-40X25    | 40 | 85  | 42.5 | 21 | 25/20 | 34 | 35   | 30   | 48   | 42.5 | —  | 85  | 12.5 | 30 | —        |
| C3-50X32    | 50 | 100 | 50   | 26 | 32/25 | 41 | 42   | 35   | 60   | 50   | —  | 100 | 16   | 40 | —        |
| C3-60X32    | 60 | 125 | 62.5 | 33 | 32/25 | 41 | 46   | 42.5 | 62.5 | 62.5 | —  | 125 | 16   | 40 | —        |

### C4型轴向左刀夹(刀具反装)

### TYPE C4 TOOL HOLDER

with longitudinal square holding fixture overhead, left

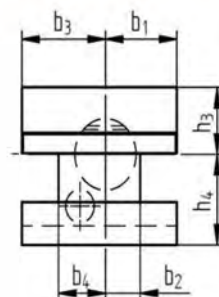
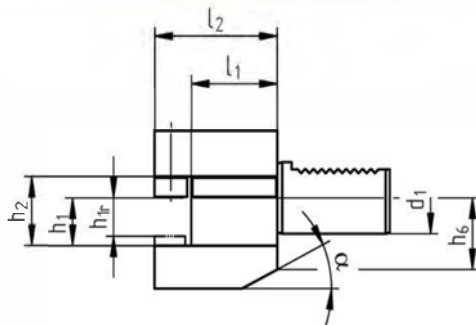
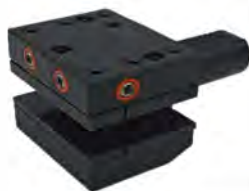


| 型号 Cat No   | d1 | b4  | b5   | b6   | h1    | h2 | h3   | h4   | h6   | h7   | h9 | l1  | l2   | l3 | $\alpha$ |
|-------------|----|-----|------|------|-------|----|------|------|------|------|----|-----|------|----|----------|
| C4-16X12    | 16 | 43  | 24   | 13   | 12    | 17 | 15   | 15   | 22   | 20   | 19 | 44  | 5    | 20 | 30°      |
| C4-20X16/55 | 20 | —   | —    | —    | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 55  | 7    | 30 | 30°      |
| C4-20X16/50 | 20 | 65  | 40   | 26   | 16/12 | 22 | 19   | 19   | 30   | 25   | 23 | 50  | —    | 30 | 30°      |
| C4-25X16    | 25 | 58  | 33   | 19   | 16/12 | 22 | 22.5 | 22.5 | 30   | 25   | 25 | 55  | 7    | 20 | 30°      |
| C4-25X20    | 25 | 62  | 37   | 19   | 20/16 | 29 | 22.5 | 22.5 | 35   | 28   | 28 | 55  | 7    | 20 | 30°      |
| C4-30X20    | 30 | 76  | 41   | 23   | 20/16 | 29 | 26   | 22   | 38   | 35   | 28 | 70  | 10   | 30 | 25°      |
| C4-40X25    | 40 | 90  | 47.5 | 25.5 | 25/20 | 34 | 35   | 30   | 48   | 42.5 | —  | 85  | 12.5 | 30 | —        |
| C4-50X32    | 50 | 105 | 55   | 30.5 | 32/25 | 41 | 42   | 35   | 60   | 50   | —  | 100 | 16   | 40 | —        |
| C4-60X32    | 60 | 125 | 62.5 | 33   | 32/25 | 41 | 46   | 42.5 | 62.5 | 62.5 | —  | 125 | 16   | 40 | —        |



## D1型多方向刀架

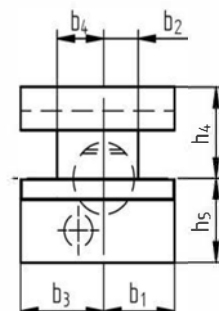
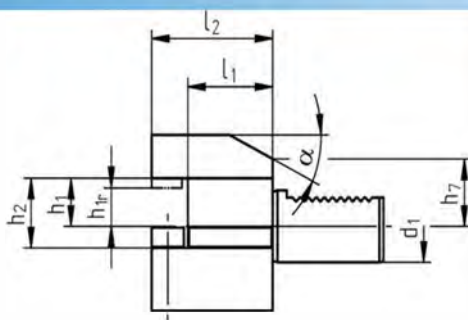
## TOOLHOLDER WITH MULTIPLE SEATS



| 型号 Cat No | d1 | b1   | b2 | b3   | b4   | h1    | h2 | h3   | h4   | h6 | l1 | l2  | $\alpha$ |
|-----------|----|------|----|------|------|-------|----|------|------|----|----|-----|----------|
| D1-25X16  | 25 | 33   | 19 | 33   | 19   | 16    | 22 | 25   | 30   | 25 | 34 | 48  | 30°      |
| D1-30X20  | 30 | 35   | 17 | 41   | 23   | 20/16 | 29 | 28   | 38   | 30 | 42 | 60  | 25°      |
| D1-40X25  | 40 | 42.5 | 21 | 47.5 | 25.5 | 25/20 | 34 | 32.5 | 48   | —  | 50 | 72  | —        |
| D1-50X32  | 50 | 50   | 26 | 55   | 30.5 | 32/25 | 41 | 35   | 60   | —  | 60 | 85  | —        |
| D1-60X32  | 60 | 57.5 | 33 | 57.5 | 33   | 32/25 | 41 | 42.5 | 62.5 | —  | 85 | 110 | —        |

## D2型多方向倒置刀架

## TOOLHOLDER WITH MULTIPLE SEATS UPSIDE DOWN

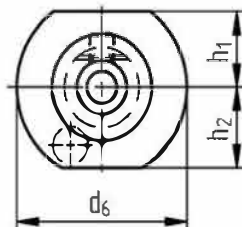
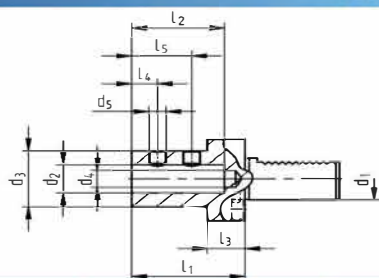


| 型号 Cat No | d1 | b1   | b2 | b3   | b4   | h1    | h2 | h4   | h5   | h7 | l1 | l2  | $\alpha$ |
|-----------|----|------|----|------|------|-------|----|------|------|----|----|-----|----------|
| D2-25X16  | 25 | 33   | 19 | 33   | 19   | 16    | 22 | 30   | 25   | 25 | 34 | 48  | 30°      |
| D2-30X20  | 30 | 35   | 17 | 41   | 23   | 20/16 | 29 | 38   | 35   | 28 | 42 | 60  | 25°      |
| D2-40X25  | 40 | 42.5 | 21 | 47.5 | 25.5 | 25/20 | 34 | 48   | 42.5 | —  | 50 | 72  | —        |
| D2-50X32  | 50 | 50   | 26 | 55   | 30.5 | 32/25 | 41 | 60   | 50   | —  | 60 | 85  | —        |
| D2-60X32  | 60 | 57.5 | 33 | 57.5 | 33   | 32/25 | 41 | 62.5 | 62.5 | —  | 85 | 110 | —        |



# E1型圆柱孔刀夹(钻孔)

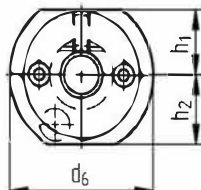
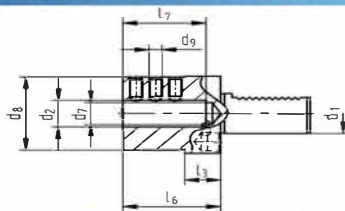
## TYPE E1 TOOL HOLDER for boring bars with cylindrical shank



| 型号 Cat No | d1 | d2 | d3 | d4 | d5  | d6  | h1   | h2 | l1  | l2 | l3 | l4 | l5 |
|-----------|----|----|----|----|-----|-----|------|----|-----|----|----|----|----|
| E1-20X10  | 20 | 10 | 32 | 8  | M8  | 50  | —    | 23 | 67  | 54 | 18 | 15 | 35 |
| E1-20X12  | 20 | 12 | 32 | 8  | M10 | 50  | —    | 23 | 67  | 54 | 18 | 15 | 35 |
| E1-20X14  | 20 | 14 | 36 | 10 | M10 | 50  | —    | 23 | 67  | 54 | 22 | 15 | 35 |
| E1-20X16  | 20 | 16 | 40 | 12 | M10 | 50  | —    | 23 | 67  | 54 | 18 | 15 | 35 |
| E1-20X20  | 20 | 20 | 40 | 12 | M10 | 50  | —    | 23 | 67  | 54 | 18 | 15 | 35 |
| E1-20X25  | 20 | 25 | 45 | 17 | M12 | 50  | —    | 23 | 71  | 59 | 18 | 17 | 40 |
| E1-25X16  | 25 | 16 | 40 | 12 | M10 | 58  | 25   | 25 | 67  | 54 | 18 | 15 | 35 |
| E1-25X20  | 25 | 20 | 40 | 12 | M10 | 58  | 25   | 25 | 67  | 54 | 18 | 15 | 35 |
| E1-25X25  | 25 | 25 | 45 | 17 | M12 | 58  | 25   | 25 | 71  | 59 | 18 | 17 | 40 |
| E1-25X32  | 25 | 32 | 52 | 24 | M12 | 58  | 25   | 25 | 75  | 63 | 18 | 17 | 44 |
| E1-30X10  | 30 | 10 | 32 | 8  | M8  | 68  | 28   | 30 | 67  | 54 | 22 | 15 | 35 |
| E1-30X12  | 30 | 12 | 32 | 8  | M10 | 68  | 28   | 30 | 67  | 54 | 22 | 15 | 35 |
| E1-30X14  | 30 | 14 | 36 | 10 | M10 | 68  | 28   | 30 | 67  | 54 | 22 | 15 | 35 |
| E1-30X16  | 30 | 16 | 40 | 12 | M10 | 68  | 28   | 30 | 67  | 54 | 22 | 15 | 35 |
| E1-30X20  | 30 | 20 | 40 | 12 | M10 | 68  | 28   | 30 | 67  | 54 | 22 | 15 | 35 |
| E1-30X25  | 30 | 25 | 45 | 17 | M12 | 68  | 28   | 30 | 71  | 59 | 22 | 17 | 40 |
| E1-30X32  | 30 | 32 | 52 | 24 | M12 | 68  | 28   | 30 | 75  | 63 | 22 | 17 | 44 |
| E1-30X40  | 30 | 40 | 65 | 24 | M16 | 68  | 28   | 30 | 90  | 73 | 22 | 22 | 50 |
| E1-40X10  | 40 | 10 | 32 | 8  | M8  | 83  | 32.5 | —  | 67  | 54 | 22 | 15 | 35 |
| E1-40X12  | 40 | 12 | 32 | 8  | M10 | 83  | 32.5 | —  | 67  | 54 | 22 | 15 | 35 |
| E1-40X14  | 40 | 14 | 36 | 10 | M10 | 83  | 32.5 | —  | 67  | 54 | 22 | 15 | 35 |
| E1-40X16  | 40 | 16 | 40 | 12 | M10 | 83  | 32.5 | —  | 67  | 54 | 22 | 15 | 35 |
| E1-40X18  | 40 | 18 | 40 | 12 | M10 | 83  | 32.5 | —  | 67  | 54 | 22 | 15 | 35 |
| E1-40X20  | 40 | 20 | 40 | 12 | M10 | 83  | 32.5 | —  | 67  | 54 | 22 | 15 | 35 |
| E1-40X25  | 40 | 25 | 45 | 17 | M12 | 83  | 32.5 | —  | 75  | 59 | 22 | 17 | 40 |
| E1-40X32  | 40 | 32 | 52 | 24 | M12 | 83  | 32.5 | —  | 75  | 63 | 22 | 17 | 44 |
| E1-40X40  | 40 | 40 | 65 | 25 | M16 | 83  | 32.5 | —  | 90  | 73 | 22 | 22 | 50 |
| E1-40X50  | 40 | 50 | 75 | 32 | M16 | 83  | 32.5 | —  | 100 | 83 | 22 | 24 | 60 |
| E1-50X10  | 50 | 10 | 30 | 8  | M10 | 98  | 35   | —  | 67  | 54 | 30 | 15 | 35 |
| E1-50X12  | 50 | 12 | 32 | 8  | M10 | 98  | 35   | —  | 67  | 56 | 30 | 15 | 35 |
| E1-50X16  | 50 | 16 | 40 | 12 | M10 | 98  | 35   | —  | 67  | 56 | 30 | 15 | 35 |
| E1-50X20  | 50 | 20 | 40 | 12 | M10 | 98  | 35   | —  | 67  | 54 | 30 | 15 | 35 |
| E1-50X25  | 50 | 25 | 45 | 17 | M12 | 98  | 35   | —  | 80  | 59 | 30 | 17 | 40 |
| E1-50X32  | 50 | 32 | 52 | 24 | M12 | 98  | 35   | —  | 80  | 63 | 30 | 17 | 44 |
| E1-50X40  | 50 | 40 | 65 | 32 | M16 | 98  | 35   | —  | 90  | 73 | 30 | 22 | 50 |
| E1-50X50  | 50 | 50 | 75 | 42 | M16 | 98  | 35   | —  | 100 | 83 | 30 | 24 | 60 |
| E1-60X20  | 60 | 20 | 40 | 12 | M10 | 123 | 42.5 | —  | 80  | 54 | 30 | 15 | 35 |
| E1-60X25  | 60 | 25 | 45 | 17 | M12 | 123 | 42.5 | —  | 80  | 59 | 30 | 17 | 40 |
| E1-60X32  | 60 | 32 | 45 | 24 | M12 | 123 | 42.5 | —  | 80  | 63 | 30 | 17 | 44 |
| E1-60X40  | 60 | 40 | 52 | 32 | M16 | 123 | 42.5 | —  | 90  | 73 | 30 | 22 | 50 |
| E1-60X50  | 60 | 50 | 70 | 42 | M16 | 123 | 42.5 | —  | 100 | 83 | 30 | 24 | 60 |

## E2型圆柱孔刀夹(铣、镗孔)

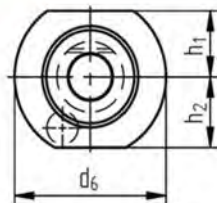
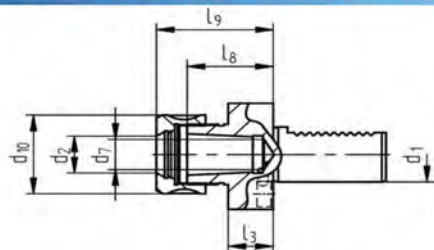
TYPE E2 TOOL HOLDER for boring bars with cylindrical shank



| 型号 Cat No | d1 | d2 | d6  | d7   | d8 | d9  | h1   | h2 | l3 | l6  | l7 |
|-----------|----|----|-----|------|----|-----|------|----|----|-----|----|
| E2-25X6   | 25 | 6  | 58  | 5    | 40 | M6  | 25   | 25 | 18 | 50  | 42 |
| E2-25X8   | 25 | 8  | 58  | 6    | 40 | M6  | 25   | 25 | 18 | 50  | 41 |
| E2-25X10  | 25 | 10 | 58  | 8    | 40 | M6  | 25   | 25 | 18 | 50  | 41 |
| E2-25X12  | 25 | 12 | 58  | 10   | 40 | M8  | 25   | 25 | 18 | 50  | 41 |
| E2-25X14  | 25 | 14 | 58  | 10   | 50 | M8  | 25   | 25 | 18 | 60  | 50 |
| E2-25X16  | 25 | 16 | 58  | 12.5 | 40 | M8  | 25   | 25 | 18 | 50  | 41 |
| E2-25X20  | 25 | 20 | 58  | 12.5 | 58 | M8  | 25   | 25 | 18 | 50  | 41 |
| E2-25X25  | 25 | 25 | 58  | 12.5 | 58 | M8  | 25   | 25 | 18 | 60  | 51 |
| E2-30X6   | 30 | 6  | 68  | 5    | 55 | M6  | 28   | 30 | 22 | 60  | 51 |
| E2-30X8   | 30 | 8  | 68  | 6    | 55 | M6  | 28   | 30 | 22 | 60  | 51 |
| E2-30X10  | 30 | 10 | 68  | 8    | 55 | M6  | 28   | 30 | 22 | 60  | 51 |
| E2-30X12  | 30 | 12 | 68  | 10   | 55 | M8  | 28   | 30 | 22 | 60  | 51 |
| E2-30X14  | 30 | 14 | 68  | 12   | 55 | M8  | 28   | 30 | 22 | 60  | 52 |
| E2-30X16  | 30 | 16 | 68  | 12   | 55 | M8  | 28   | 30 | 22 | 60  | 51 |
| E2-30X18  | 30 | 18 | 68  | 10   | 55 | M8  | 28   | 30 | 22 | 60  | 52 |
| E2-30X20  | 30 | 20 | 68  | 16   | 55 | M8  | 28   | 30 | 22 | 60  | 51 |
| E2-30X25  | 30 | 25 | 68  | 16   | 55 | M8  | 28   | 30 | 22 | 60  | 51 |
| E2-30X32  | 30 | 32 | 68  | 16   | 68 | M8  | 28   | 30 | 22 | 75  | 61 |
| E2-40X6   | 40 | 6  | 83  | 5    | 55 | M6  | 32.5 | —  | 22 | 75  | 67 |
| E2-40X8   | 40 | 8  | 83  | 6    | 55 | M8  | 32.5 | —  | 22 | 75  | 67 |
| E2-40X10  | 40 | 10 | 83  | 8    | 55 | M10 | 32.5 | —  | 22 | 67  | 57 |
| E2-40X12  | 40 | 12 | 83  | 10   | 55 | M10 | 32.5 | —  | 22 | 75  | 61 |
| E2-40X14  | 40 | 14 | 83  | 10   | 55 | M8  | 32.5 | —  | 22 | 75  | 63 |
| E2-40X16  | 40 | 16 | 83  | 12   | 55 | M10 | 32.5 | —  | 22 | 75  | 61 |
| E2-40X18  | 40 | 18 | 83  | 10   | 55 | M8  | 32.5 | —  | 22 | 75  | 62 |
| E2-40X20  | 40 | 20 | 83  | 16   | 55 | M10 | 32.5 | —  | 22 | 75  | 61 |
| E2-40X25  | 40 | 25 | 83  | 20.5 | 55 | M10 | 32.5 | —  | 22 | 75  | 61 |
| E2-40X32  | 40 | 32 | 83  | 20.5 | 83 | M10 | 32.5 | —  | 22 | 75  | 61 |
| E2-40X40  | 40 | 40 | 83  | 20.5 | 83 | M10 | 32.5 | —  | 22 | 90  | 76 |
| E2-40X50  | 40 | 50 | 83  | 20.5 | 83 | M12 | 32.5 | —  | 22 | 90  | 75 |
| E2-50X8   | 50 | 8  | 98  | 6    | 55 | M6  | 35   | —  | 30 | 75  | 67 |
| E2-50X10  | 50 | 10 | 98  | 8    | 55 | M6  | 35   | —  | 30 | 75  | 67 |
| E2-50X12  | 50 | 12 | 98  | 10   | 68 | M8  | 35   | —  | 30 | 90  | 76 |
| E2-50X16  | 50 | 16 | 98  | 12   | 68 | M10 | 35   | —  | 30 | 90  | 76 |
| E2-50X20  | 50 | 20 | 98  | 16   | 68 | M12 | 35   | —  | 30 | 90  | 76 |
| E2-50X25  | 50 | 25 | 98  | 20   | 68 | M12 | 35   | —  | 30 | 90  | 76 |
| E2-50X32  | 50 | 32 | 98  | 25.5 | 68 | M12 | 35   | —  | 30 | 90  | 76 |
| E2-50X40  | 50 | 40 | 98  | 25.5 | 98 | M12 | 35   | —  | 30 | 90  | 76 |
| E2-50X50  | 50 | 50 | 98  | 25.5 | 98 | M12 | 35   | —  | 30 | 100 | 86 |
| E2-60X12  | 60 | 12 | 123 | 10   | 68 | M8  | 42.5 | —  | 30 | 90  | 76 |
| E2-60X16  | 60 | 16 | 123 | 12   | 68 | M10 | 42.5 | —  | 30 | 90  | 76 |
| E2-60X18  | 60 | 18 | 123 | 12   | 55 | M8  | 42.5 | —  | 30 | 90  | 76 |
| E2-60X20  | 60 | 20 | 123 | 16   | 68 | M12 | 42.5 | —  | 30 | 90  | 76 |
| E2-60X25  | 60 | 25 | 123 | 20   | 68 | M12 | 42.5 | —  | 30 | 90  | 76 |
| E2-60X32  | 60 | 32 | 123 | 25   | 68 | M12 | 42.5 | —  | 30 | 90  | 76 |
| E2-60X40  | 60 | 40 | 123 | 35   | 98 | M12 | 42.5 | —  | 30 | 90  | 76 |
| E2-60X50  | 60 | 50 | 123 | 40   | 98 | M12 | 42.5 | —  | 30 | 100 | 86 |

## E3-型DIN6388 EOC夹头刀夹

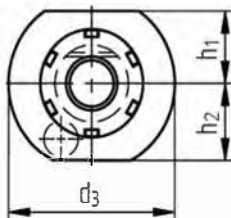
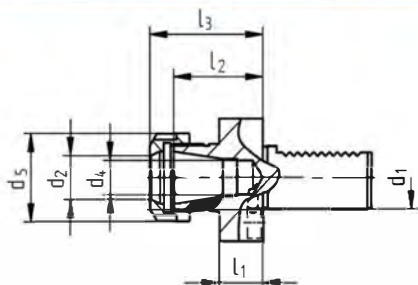
## TYPE E3 COLLET HOLDER



| 型号 Cat No | d1 | d2<br>A | d2<br>B | d6  | d7   | d10 | h1   | h2 | l3 | l8 | l9   |
|-----------|----|---------|---------|-----|------|-----|------|----|----|----|------|
| E3-16XC16 | 16 | 2-16    | 5-15    | 40  | 6.7  | 43  | 18   | —  | 13 | 36 | 45.5 |
| E3-20XC16 | 20 | 2-16    | 5-15    | 50  | 9    | 43  | —    | 23 | 18 | 42 | 57   |
| E3-20XC20 | 20 | 2-20    | 6-20    | 50  | 9    | 50  | —    | 23 | 18 | 46 | 62   |
| E3-25XC16 | 25 | 2-16    | 5-15    | 58  | 9    | 43  | 25   | 25 | 18 | 42 | 57   |
| E3-30XC25 | 30 | 2-25    | 6-25    | 68  | 16.5 | 60  | 28   | 30 | 22 | 59 | 75   |
| E3-40XC16 | 40 | 2-16    | 5-15    | 83  | 20.5 | 43  | 32.5 | —  | 22 | 42 | 57   |
| E3-40XC25 | 40 | 2-25    | 6-25    | 83  | 20.5 | 60  | 32.5 | —  | 22 | 59 | 75   |
| E3-40XC32 | 40 | 4-32    | 10-32   | 83  | 20.5 | 72  | 32.5 | —  | 22 | 73 | 90   |
| E3-50XC25 | 50 | 2-25    | 6-25    | 98  | 25.5 | 60  | 35   | —  | 30 | 59 | 75   |
| E3-50XC32 | 50 | 4-32    | 10-32   | 98  | 25.5 | 72  | 35   | —  | 30 | 73 | 90   |
| E3-60XC32 | 60 | 4-32    | 10-32   | 123 | 40.5 | 72  | 42.5 | —  | 30 | 73 | 90   |
| E3-60XC40 | 60 | 6-29.5  | 30-40   | 123 | 40.5 | 85  | 42.5 | —  | 30 | 82 | 100  |

## E4型DIN6499 ER夹头刀夹

## TYPE E4 COLLET HOLDER

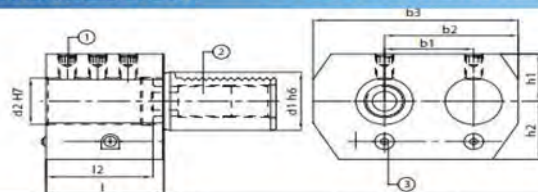


| 型号 Cat No  | d1 | d2     | d3  | d4   | d5 | h1   | h2 | l1 | l2   | l3 |
|------------|----|--------|-----|------|----|------|----|----|------|----|
| E4-16XER16 | 16 | 0.5-10 | 40  | 6.7  | 28 | 18   | 18 | 13 | 30   | 40 |
| E4-16XER20 | 16 | 0.5-13 | 40  | 6.7  | 34 | 18   | 18 | 13 | 33   | 44 |
| E4-20XER16 | 20 | 0.5-10 | 50  | 9    | 28 | —    | 23 | 18 | 30   | 40 |
| E4-20XER25 | 20 | 0.5-16 | 50  | 9    | 42 | —    | 23 | 18 | 38   | 50 |
| E4-20XER32 | 20 | 1-20   | 50  | 9    | 50 | —    | 23 | 18 | 49   | 62 |
| E4-25XER25 | 25 | 0.5-16 | 58  | 9    | 42 | 25   | 25 | 18 | 45   | 57 |
| E4-25XER32 | 25 | 1-20   | 58  | 9    | 50 | 25   | 25 | 18 | 49   | 62 |
| E4-30XER25 | 30 | 0.5-16 | 68  | 16.5 | 42 | 28   | 30 | 22 | 45   | 57 |
| E4-30XER32 | 30 | 1-20   | 68  | 16.5 | 50 | 28   | 30 | 22 | 49   | 62 |
| E4-30XER40 | 30 | 2-30   | 68  | 16.5 | 63 | 28   | 30 | 22 | 56   | 70 |
| E4-40XER25 | 40 | 0.5-16 | 83  | 20.5 | 42 | 32.5 | —  | 22 | 45   | 57 |
| E4-40XER32 | 40 | 1-20   | 83  | 20.5 | 50 | 32.5 | —  | 22 | 49.5 | 62 |
| E4-40XER40 | 40 | 2-30   | 83  | 20.5 | 63 | 32.5 | —  | 22 | 61   | 75 |
| E4-50XER40 | 50 | 2-30   | 92  | 25.5 | 63 | 35   | —  | 30 | 61   | 75 |
| E4-60XER40 | 60 | 2-30   | 123 | 28.5 | 63 | 42.5 | —  | 30 | 61   | 75 |



### E7右侧双镗孔刀架

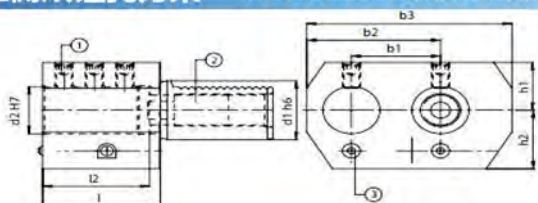
### DOUBLE BORING BAR HOLDER, RIGHT



| 型号 Cat No | d1 | d2 | h1   | h2   | l1 | l2 | b1 | b2  | B3  | Qt |
|-----------|----|----|------|------|----|----|----|-----|-----|----|
| E7-30X25  | 30 | 25 | 28   | 32   | 56 | 52 | 45 | 65  | 95  | 6  |
| E7-40X32  | 40 | 32 | 32.5 | 40   | 66 | 60 | 50 | 75  | 115 | 6  |
| E7-50X32  | 50 | 32 | 32.5 | 47.5 | 66 | 60 | 50 | 75  | 115 | 6  |
| E7-50X50  | 50 | 50 | 35   | 49   | 90 | 80 | 68 | 103 | 152 | 6  |

### E8左侧双镗孔刀架

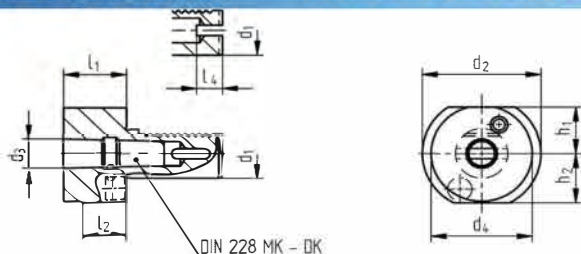
### DOUBLE BORING BAR HOLDER, LEFT



| 型号 Cat No | d1 | d2 | h1   | h2   | l1 | l2 | b1 | b2  | B3  | Qt |
|-----------|----|----|------|------|----|----|----|-----|-----|----|
| E8-30X25  | 30 | 25 | 28   | 32   | 56 | 52 | 45 | 65  | 95  | 6  |
| E8-40X32  | 40 | 32 | 32.5 | 40   | 66 | 60 | 50 | 75  | 115 | 6  |
| E8-50X32  | 50 | 32 | 32.5 | 47.5 | 66 | 60 | 50 | 75  | 115 | 6  |
| E8-50X50  | 50 | 50 | 35   | 49   | 90 | 80 | 68 | 103 | 152 | 6  |

### F型莫氏锥孔刀夹

### TYPE F TOOL HOLDER

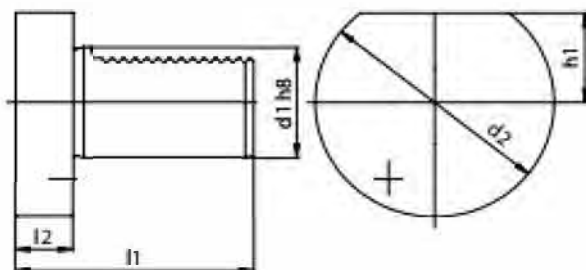


| 型号 Cat No | d1 | d2  | d3     | d4 | h1   | h2 | l1  | l2 | l4 | MK |
|-----------|----|-----|--------|----|------|----|-----|----|----|----|
| 20-MK1    | 20 | 50  | 12.065 | -  | -    | 23 | 23  | -  | 7  | 1  |
| 20-MK2    | 20 | 50  | 17.780 | -  | -    | 23 | 55  | -  | -  | 2  |
| 25-MK1    | 25 | 58  | 12.065 | -  | 25   | 25 | 23  | -  | -  | 1  |
| 25-MK2    | 25 | 58  | 17.780 | -  | 25   | 25 | 27  | -  | -  | 2  |
| 30-MK1    | 30 | 68  | 12.065 | -  | 28   | 30 | 27  | -  | -  | 1  |
| 30-MK2    | 30 | 68  | 17.780 | -  | 28   | 30 | 27  | -  | 14 | 2  |
| 30-MK3    | 30 | 68  | 23.825 | -  | 28   | 30 | 45  | -  | -  | 3  |
| 40-MK1    | 40 | 83  | 12.065 | 55 | 32.5 | -  | 36  | 22 | -  | 1  |
| 40-MK2    | 40 | 83  | 17.780 | 55 | 32.5 | -  | 36  | 22 | -  | 2  |
| 40-MK3    | 40 | 83  | 23.825 | 58 | 32.5 | -  | 36  | 22 | 14 | 3  |
| 40-MK4    | 40 | 83  | 31.267 | 68 | 32.5 | -  | 80  | 22 | -  | 4  |
| 50-MK2    | 50 | 98  | 17.780 | 55 | 32.5 | -  | 36  | 30 | -  | 2  |
| 50-MK3    | 50 | 98  | 23.825 | 58 | 35   | -  | 36  | 30 | -  | 3  |
| 50-MK4    | 50 | 98  | 31.267 | 68 | 35   | -  | 50  | 30 | 18 | 4  |
| 50-MK5    | 50 | 98  | 44.399 | 75 | 35   | -  | 168 | 30 | -  | 5  |
| 60-MK2    | 60 | 123 | 17.780 | 58 | 42.5 | -  | 36  | 30 | -  | 2  |
| 60-MK3    | 60 | 123 | 23.825 | 58 | 42.5 | -  | 36  | 30 | -  | 3  |
| 60-MK4    | 60 | 123 | 31.267 | 68 | 42.5 | -  | 50  | 30 | -  | 4  |
| 60-MK5    | 60 | 123 | 44.399 | 98 | 42.5 | -  | 63  | 30 | 32 | 5  |



## Z2型保护盖

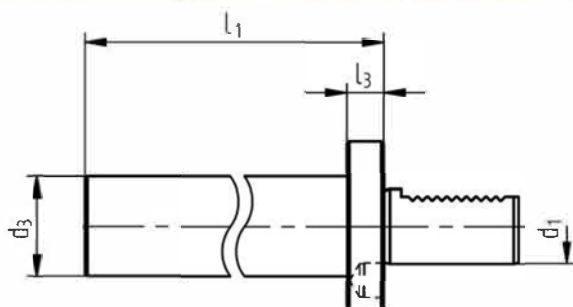
## BLANKING PLUG



| 型号 Cat No. | d1 | d2  | h1   | l1  | l2 |
|------------|----|-----|------|-----|----|
| Z2-16S     | 16 | 40  | 18   | 45  | 13 |
| Z2-20S     | 20 | 50  | 23   | 56  | 16 |
| Z2-30S     | 30 | 68  | 28   | 71  | 16 |
| Z2-40S     | 40 | 83  | 32.5 | 83  | 20 |
| Z2-50S     | 50 | 98  | 35   | 98  | 20 |
| Z2-60S     | 60 | 123 | 42.5 | 114 | 20 |

## 测试检测棒

## Testing Rod for Spindle

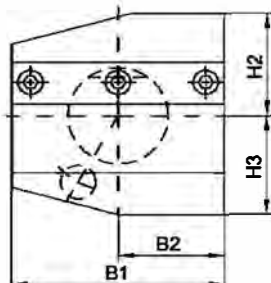
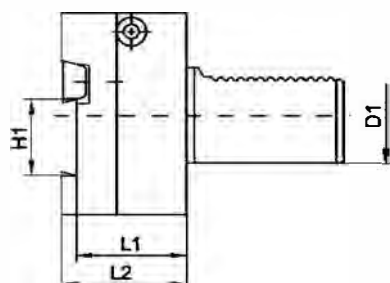


| 型号 Cat No | d1 | d3 | d6  | l1  | l3 |
|-----------|----|----|-----|-----|----|
| 16X30X120 | 16 | 30 | 40  | 120 | 15 |
| 20X40X150 | 20 | 40 | 50  | 150 | 15 |
| 25X40X150 | 25 | 40 | 58  | 150 | 15 |
| 30X40X200 | 30 | 40 | 68  | 200 | 15 |
| 40X40X200 | 40 | 40 | 83  | 200 | 15 |
| 50X40X200 | 50 | 40 | 98  | 200 | 15 |
| 60X40X200 | 60 | 40 | 123 | 200 | 15 |

## AR 型切断刀架

## TOOLHOLDER FOR CUT OFF TOOLS

ADJUSTABLE IN HEIGHT, UPSIDE-DOWN, RIGHT

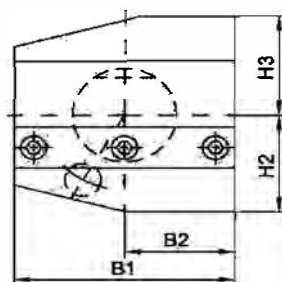
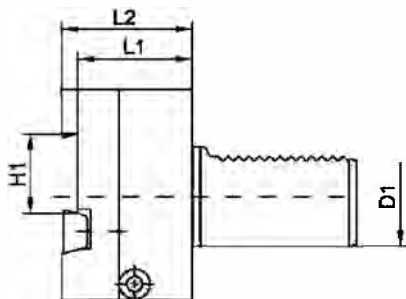


| 型号 Cat No | d1 | H1 | B1  | B2   | h2 | h3   | l1 | l2 |
|-----------|----|----|-----|------|----|------|----|----|
| AR-30X26  | 30 | 26 | 70  | 35   | 32 | 39   | 44 | 50 |
| AR-40X26  | 40 | 26 | 85  | 42.5 | 43 | 41.5 | 44 | 50 |
| AR-40X32  | 40 | 32 | 85  | 42.5 | 43 | 41.5 | 44 | 50 |
| AR-50X26  | 50 | 26 | 100 | 50   | 43 | 45   | 44 | 50 |
| AR-50X32  | 50 | 32 | 100 | 50   | 43 | 45   | 44 | 50 |
| AR-60X32  | 60 | 32 | 125 | 62.5 | 48 | 55   | 44 | 50 |

## ARU 型切断刀架

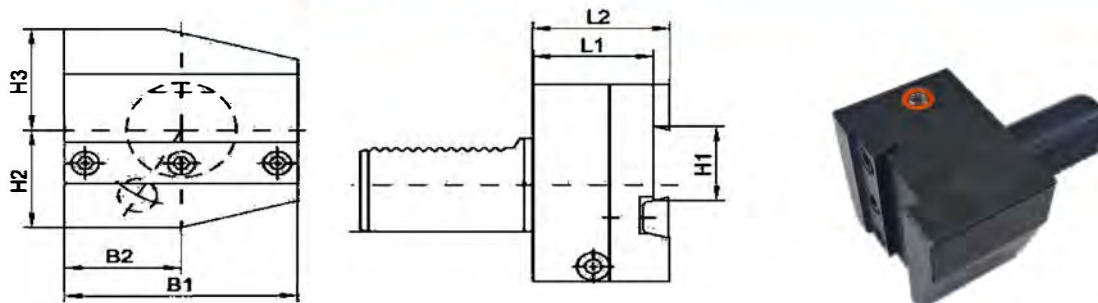
## TOOLHOLDER FOR CUT OFF TOOLS

ADJUSTABLE IN HEIGHT, UPSIDE-DOWN, RIGHT



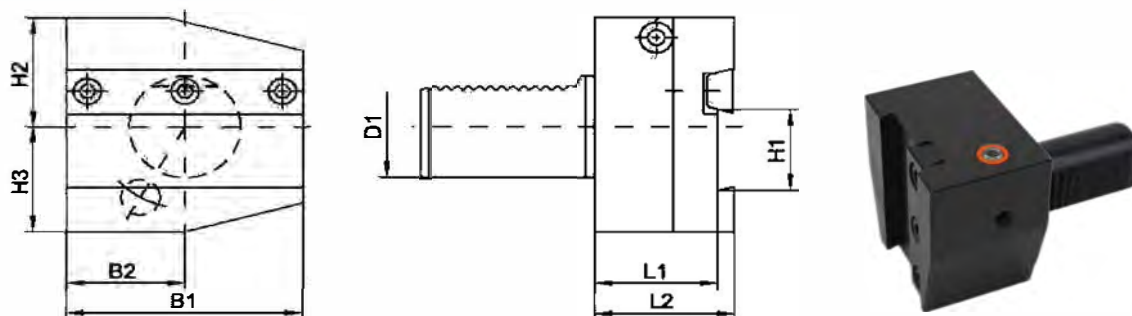
| 型号 Cat No | d1 | H1 | B1  | B2   | h2   | h3 | l1 | l2 |
|-----------|----|----|-----|------|------|----|----|----|
| ARU-30X26 | 30 | 26 | 70  | 35   | 35   | 38 | 44 | 50 |
| ARU-40X26 | 40 | 26 | 85  | 42.5 | 41.5 | 43 | 44 | 50 |
| ARU-40X32 | 40 | 32 | 85  | 42.5 | 41.5 | 43 | 44 | 50 |
| ARU-50X26 | 50 | 26 | 100 | 50   | 45   | 43 | 44 | 50 |
| ARU-50X32 | 50 | 32 | 100 | 50   | 45   | 43 | 44 | 50 |
| ARU-60X32 | 60 | 32 | 125 | 62.5 | 55   | 48 | 44 | 50 |

**ALU型切断刀架** TOOLHOLDER FOR CUT OFF TOOLS  
ADJUSTABLE IN HEIGHT, UPSIDE-DOWN, LEFT



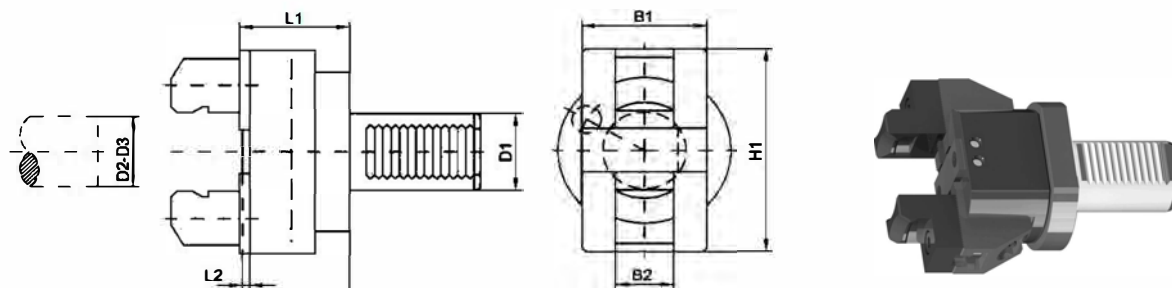
| 型号 Cat No | d1 | H1 | B1  | B2   | h2   | h3 | l1 | l2 |
|-----------|----|----|-----|------|------|----|----|----|
| ALU-30X26 | 30 | 26 | 70  | 30   | 35   | 38 | 44 | 50 |
| ALU-40X26 | 40 | 26 | 85  | 35   | 41.5 | 43 | 44 | 50 |
| ALU-40X32 | 40 | 32 | 85  | 42.5 | 41.5 | 43 | 44 | 50 |
| ALU-50X26 | 50 | 26 | 100 | 42.5 | 45   | 43 | 44 | 50 |
| ALU-50X32 | 50 | 32 | 100 | 50   | 45   | 43 | 44 | 50 |
| ALU-60X32 | 60 | 32 | 125 | 62.5 | 55   | 48 | 44 | 50 |

**AL型切断刀架** TOOLHOLDER FOR CUT OFF TOOLS  
ADJUSTABLE IN HEIGHT, LEFT



| 型号 Cat No | d1 | H1 | B1  | B2   | h2 | h3   | l1 | l2 |
|-----------|----|----|-----|------|----|------|----|----|
| AL-30X26  | 30 | 26 | 70  | 35   | 32 | 39   | 44 | 50 |
| AL-40X26  | 40 | 26 | 85  | 42.5 | 43 | 41.5 | 44 | 50 |
| AL-40X32  | 40 | 32 | 85  | 42.5 | 43 | 41.5 | 44 | 50 |
| AL-50X26  | 50 | 26 | 100 | 50   | 43 | 45   | 44 | 50 |
| AL-50X32  | 50 | 32 | 100 | 50   | 43 | 45   | 44 | 50 |
| AL-60X32  | 60 | 32 | 125 | 62.5 | 48 | 55   | 44 | 50 |

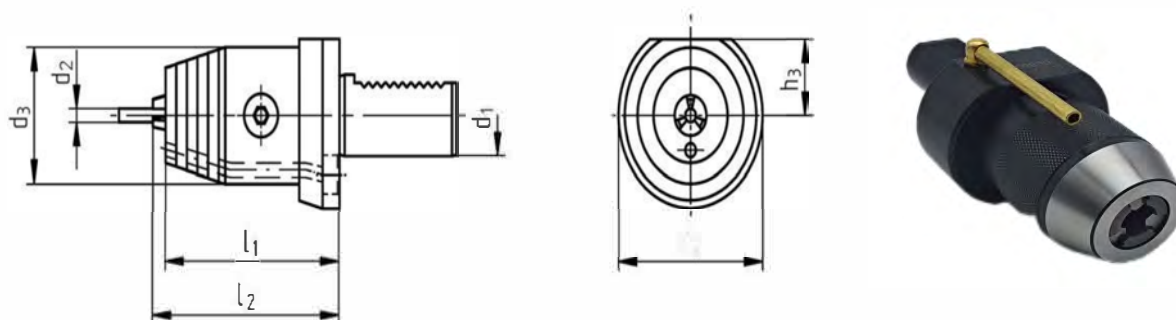
## 棒材拉取器 Bar Puller



| 型号 Cat No | d1 | d2    | d3     | B1 | B2 | H1  | L1 | L2 | L3 |
|-----------|----|-------|--------|----|----|-----|----|----|----|
| ST-20X56  | 20 | 6-56  | 54-100 | 50 | 28 | 72  | 51 | 4  | 46 |
| ST-25X56  | 25 | 6-56  | 54-100 | 50 | 28 | 72  | 51 | 4  | 46 |
| ST-30X56  | 30 | 6-56  | 54-100 | 50 | 28 | 72  | 51 | 4  | 46 |
| ST-40X60  | 40 | 10-60 | 54-100 | 60 | 28 | 110 | 53 | 4  | 48 |
| ST-50X75  | 50 | 10-75 | 62-125 | 65 | 28 | 130 | 73 | 5  | 67 |

## APU型钻头适配刀架

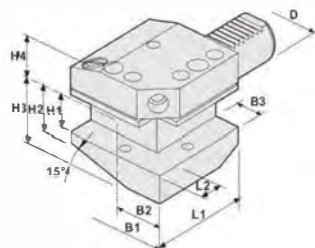
## ADAPTORS FOR DRILLS WITH INTERNAL COOLANT SUPPLY



| 型号 Cat No | d1 | d2   | d3 | d6 | h3   | l1 | l2 |
|-----------|----|------|----|----|------|----|----|
| APU-30X13 | 30 | 1-13 | 57 | 68 | 28   | 82 | 88 |
| APU-30X16 | 30 | 3-16 | 57 | 68 | 28   | 82 | 93 |
| APU-40X13 | 40 | 1-13 | 57 | 83 | 32.5 | 85 | 91 |
| APU-40X16 | 40 | 3-16 | 57 | 83 | 32.5 | 85 | 96 |
| APU-50X13 | 50 | 1-13 | 57 | 98 | 35   | 85 | 91 |
| APU-50X16 | 50 | 3-16 | 57 | 98 | 35   | 85 | 96 |

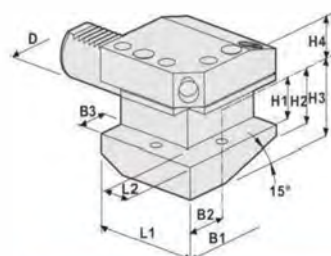


## CB1 DIN 69880 COMBINED STATIC HOLDERS Right-hand



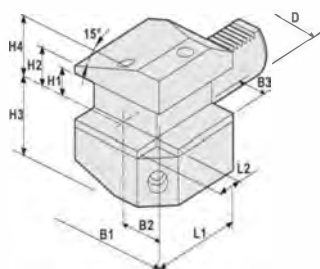
| 型号 Cat No | D  | B1  | B2   | B3 | H1 | H2 | H3   | H4   | L1  | L2 |
|-----------|----|-----|------|----|----|----|------|------|-----|----|
| CB1-20X16 | 20 | 65  | 40   | 14 | 16 | 19 | 30   | 25   | 50  | 14 |
| CB1-30X20 | 30 | 74  | 40   | 18 | 20 | 26 | 38   | 28   | 70  | 18 |
| CB1-40X25 | 40 | 85  | 45   | 22 | 25 | 35 | 47.5 | 42.5 | 100 | 22 |
| CB1-50X32 | 50 | 105 | 55   | 25 | 32 | 42 | 60   | 35   | 120 | 25 |
| CB1-60X32 | 60 | 125 | 62.5 | 30 | 32 | 46 | 62.5 | 42.5 | 135 | 30 |

## CB2 DIN 69880 COMBINED STATIC HOLDERS Left-hand



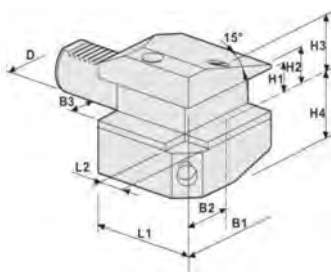
| 型号 Cat No | D  | B1  | B2   | B3 | H1 | H2 | H3   | H4   | L1  | L2 |
|-----------|----|-----|------|----|----|----|------|------|-----|----|
| CB2-20X16 | 20 | 65  | 40   | 14 | 16 | 19 | 30   | 25   | 50  | 14 |
| CB2-30X20 | 30 | 74  | 40   | 18 | 20 | 26 | 38   | 28   | 70  | 18 |
| CB2-40X25 | 40 | 85  | 47   | 22 | 25 | 35 | 47.5 | 42.5 | 100 | 22 |
| CB2-50X32 | 50 | 105 | 55   | 25 | 32 | 42 | 60   | 35   | 120 | 25 |
| CB2-60X32 | 60 | 125 | 62.5 | 30 | 32 | 46 | 62.5 | 42.5 | 135 | 30 |

## CB3 DIN 69880 COMBINED STATIC HOLDERS Right-hand



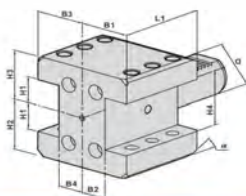
| 型号 Cat No | D  | B1  | B2   | B3 | H1 | H2   | H3   | H4   | L1  | L2 |
|-----------|----|-----|------|----|----|------|------|------|-----|----|
| CB3-20X16 | 20 | 65  | 40   | 14 | 16 | 19   | 25   | 30   | 50  | 14 |
| CB3-30X20 | 30 | 74  | 40   | 18 | 20 | 22   | 38   | 28   | 70  | 18 |
| CB3-40X25 | 40 | 85  | 45   | 22 | 25 | 30   | 42.5 | 47.5 | 100 | 22 |
| CB3-50X32 | 50 | 105 | 55   | 25 | 32 | 35   | 50   | 60   | 120 | 25 |
| CB3-60X32 | 60 | 125 | 62.5 | 30 | 32 | 42.5 | 62.5 | 42.5 | 135 | 30 |

## CB4 DIN 69880 COMBINED STATIC HOLDERS Left-hand



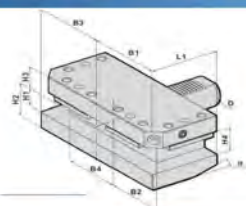
| 型号 Cat No | D  | B1  | B2   | B3 | H1 | H2   | H3   | H4   | L1  | L2 |
|-----------|----|-----|------|----|----|------|------|------|-----|----|
| CB4-20X16 | 20 | 65  | 40   | 14 | 16 | 19   | 30   | 25   | 50  | 14 |
| CB4-30X20 | 30 | 74  | 40   | 18 | 20 | 22   | 28   | 38   | 70  | 18 |
| CB4-40X25 | 40 | 85  | 47   | 22 | 25 | 30   | 47.5 | 42.5 | 100 | 22 |
| CB4-50X32 | 50 | 105 | 55   | 25 | 32 | 35   | 60   | 50   | 120 | 25 |
| CB4-60X32 | 60 | 125 | 62.5 | 30 | 32 | 42.5 | 62.5 | 62.5 | 135 | 30 |

## D12 DIN 69880 COMBINED STATIC HOLDERS Right-hand



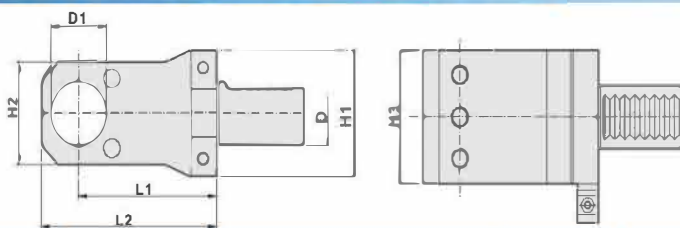
| 型号 Cat No | D  | B1   | B2 | B3   | B4 | H1 | H2 | H3 | H4 | L1 | α   |
|-----------|----|------|----|------|----|----|----|----|----|----|-----|
| D12-30X20 | 30 | 52.5 | 20 | 52.5 | 20 | 20 | 38 | 38 | 40 | 80 | 25° |
| D12-40X25 | 40 | 46   | 24 | 46   | 24 | 25 | 48 | 48 | 42 | 85 | 25° |

## D1 DIN 69880 COMBINED STATIC HOLDERS Right-hand



| 型号 Cat No    | D  | B1 | B2 | B3 | B4 | H1 | H2 | H3   | H4 | L1 | α  |
|--------------|----|----|----|----|----|----|----|------|----|----|----|
| D1-40-C25-76 | 40 | 98 | 76 | 98 | 76 | 25 | 48 | 32.5 | 34 | 63 | 15 |

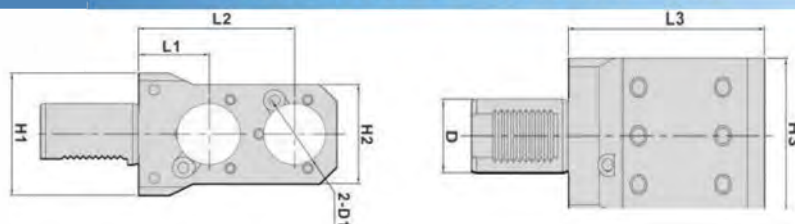
## T1 DIN 69880 AXIAL STATIC HOLDERS



| 型号 Cat No    | D  | D1 | H1  | H2  | H3  | L1  | L2  |
|--------------|----|----|-----|-----|-----|-----|-----|
| T1-20X25X70  | 20 | 25 | —   | 50  | 50  | 70  | 90  |
| T1-30X32X65  | 30 | 32 | 65  | 52  | 62  | 65  | 90  |
| T1-30X32X85  | 30 | 32 | 65  | 52  | 62  | 85  | 108 |
| T1-30X32X100 | 30 | 32 | 65  | 52  | 62  | 100 | 123 |
| T1-30X32X120 | 30 | 32 | 65  | 52  | 62  | 120 | 143 |
| T1-30X40X85  | 30 | 40 | —   | 65  | 85  | 85  | 112 |
| T1-30X50X85  | 30 | 50 | —   | 80  | 85  | 85  | 123 |
| T1-40X32X85  | 40 | 32 | 80  | 65  | 85  | 85  | 112 |
| T1-40X40X85  | 40 | 40 | 80  | 65  | 85  | 85  | 112 |
| T1-40X40X100 | 40 | 40 | 80  | 65  | 85  | 100 | 127 |
| T1-40X40X120 | 40 | 40 | 80  | 65  | 85  | 120 | 147 |
| T1-40X40X140 | 40 | 40 | 80  | 65  | 85  | 140 | 167 |
| T1-50X40X100 | 50 | 40 | 90  | 80  | 96  | 100 | 137 |
| T1-50X50X100 | 50 | 50 | 90  | 80  | 96  | 100 | 137 |
| T1-50X50X110 | 50 | 50 | 90  | 82  | 96  | 110 | 147 |
| T1-50X60X110 | 50 | 60 | 98  | 104 | 96  | 110 | 152 |
| T1-60X50X100 | 60 | 50 | 104 | 90  | 120 | 100 | 142 |
| T1-60X50X135 | 60 | 50 | 108 | 94  | 120 | 135 | 177 |
| T1-60X60X100 | 60 | 60 | 104 | 90  | 120 | 100 | 142 |
| T1-60X60X135 | 60 | 60 | —   | 108 | 120 | 135 | 182 |

## T1-X2

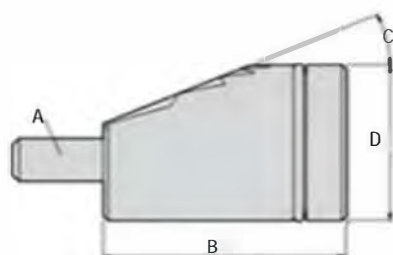
## DIN 69880 AXIAL STATIC HOLDERS



| 型号 Cat No       | D  | D1 | H1 | H2 | H3 | L1 | L2  | L3  |
|-----------------|----|----|----|----|----|----|-----|-----|
| T1-30-2XB25-113 | 30 | 25 | —  | 65 | 62 | 80 | 113 | 133 |
| T1-30-2XB25-137 | 30 | 25 | —  | 65 | 62 | 85 | 137 | 158 |
| T1-30-2XB32-100 | 30 | 32 | —  | 65 | 62 | 55 | 100 | 128 |
| T1-40-2XB25-120 | 40 | 25 | 80 | 65 | 85 | 85 | 120 | 146 |
| T1-40-2XB32-90  | 40 | 32 | 80 | 65 | 85 | 47 | 90  | 112 |
| T1-40-2XB40-100 | 40 | 40 | 80 | 65 | 85 | 45 | 100 | 127 |
| T1-40-2XB40-120 | 40 | 40 | 80 | 65 | 85 | 65 | 120 | 147 |

## VDI刀座锁紧销

## FIXING PIN



| 型号 Cat No  | A   | B  | C  | D  |
|------------|-----|----|----|----|
| VDI16/W-16 | M5  | 22 | 20 | 16 |
| VDI20/W-18 | M6  | 28 | 20 | 18 |
| VDI30/W-22 | M8  | 34 | 20 | 22 |
| VDI40/W-28 | M10 | 42 | 20 | 28 |
| VDI40/W-40 | M10 | 44 | 20 | 40 |
| VDI50/W-36 | M10 | 48 | 25 | 36 |
| VDI50/W-50 | M12 | 56 | 25 | 50 |
| VDI60/W-42 | M12 | 54 | 25 | 42 |
| VDI80/W-50 | M16 | 70 | 25 | 50 |

## 主轴拉力计

## Dynamometer



| 主轴接口      | 建议Min拉力/KN | 拉力计测力范围/KN |
|-----------|------------|------------|
| SK30/BT30 | 4.5        | 1-18       |
| D-BT30    | 4.5        | 1-18       |
| SK40/BT40 | 8.5        | 2-18       |
| D-BT40    | 8.5        | 2-18       |
| SK50/BT50 | 18         | 5-45       |
| D-BT50    | 18         | 5-45       |
| HSK32     | 5          | 0-18       |
| HSK40     | 6.8        | 0-45       |
| HSK50     | 11         | 0-45       |
| HSK63     | 18         | 0-45       |
| HSK80     | 28         | 0-90       |
| HSK100    | 45         | 0-90       |

## 马扎克刀套

## MAZAK

