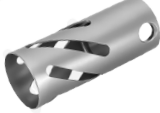


|                                                                                     |                                                                                     |                                                                                           |           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------|
| <b>Collets, Nuts<br/>Spanners</b>                                                   |    | <b>Spannzangen, Muttern<br/>Schlüssel</b>                                                 | <b>1</b>  |
| <b>Collet Holders</b>                                                               |    | <b>Zangenspannfutter</b>                                                                  | <b>2</b>  |
| <b>Quick Change Tool Systems<br/>Reductions, Milling Arbors</b>                     |    | <b>Spannzangenreduktionen<br/>Schnellwechselsysteme<br/>Fräsdorne</b>                     | <b>3</b>  |
| <b>VDI Tool Holders</b><br><i>only in the main catalog</i>                          |    | <b>VDI-Werkzeughalter</b><br><i>nur im Hauptkatalog</i>                                   | <b>4</b>  |
| <b>Tap Holders<br/>Die Holders</b>                                                  |    | <b>Gewindeschneidfutter<br/>Schneideisenhalter</b>                                        | <b>5</b>  |
| <b>Reamer Holders</b>                                                               |   | <b>Pendelhalter</b>                                                                       | <b>6</b>  |
| <b>Broaching Heads<br/>Wobble Broaches</b>                                          |  | <b>Räumhalter<br/>Räumdorne</b>                                                           | <b>7</b>  |
| <b>Reduction Sleeves<br/>Boring Bar Sleeves</b>                                     |  | <b>Reduzierhülsen<br/>Bohrstangenaufnahmen</b>                                            | <b>8</b>  |
| <b>Knurl Holders<br/>Centering Steel Holders</b><br><i>only in the main catalog</i> |  | <b>Rändelhalter<br/>Zentrierstahlhalter</b><br><i>nur im Hauptkatalog</i>                 | <b>9</b>  |
| <b>Insert Holder</b>                                                                |  | <b>Wendeplattenhalter</b>                                                                 | <b>10</b> |
| <b>Bar Feed Collets<br/>Revolving Ends</b>                                          |  | <b>Spannhülsen<br/>Spannhülsenlagerungen</b>                                              | <b>11</b> |
| <b>Collet Sleeves<br/>Spindle Attachments</b>                                       |  | <b>Druckhülsen<br/>Spindelzubehör</b>                                                     | <b>12</b> |
| <b>General Specific Parts for CNC-<br/>and Cam-Controlled Lathes</b>                |  | <b>Allg. Zubehör für CNC- und<br/>kurvengesteuerte Drehautomaten</b>                      | <b>13</b> |
| <b>Manufacturer Specific Parts for<br/>CNC- and Cam-Controlled Lathes</b>           |  | <b>Herstellerspezifisches Zubehör<br/>für CNC- und kurvengesteuerte<br/>Drehautomaten</b> | <b>14</b> |

*Collets*

Spannzangen

1.1

*Bed Stops for Collets*Innenanschlätze  
für Druckspannzangen

1.2

*Nuts  
Seal Discs*

Muttern, Dichtscheiben

1.3

*Spanners*

Schlüssel

1.4

## Technische Informationen

## Technical Information

1

- Unterschiedliche Präzision zur Auswahl:  
Standard:

Rundlaufgenauigkeit  $< 12 \mu$   
(gemessen nach ISO 15488)

Ultrapräzision:

Rundlaufgenauigkeit  $< 5 \mu$

Auf Anfrage auch Spannzangen mit einer  
Rundlaufgenauigkeit  $< 2 \mu$   
lieferbar

- Viele Zollmaße lieferbar

**Achtung!**

- Nicht über Nennmaß der Zange spannen
- Zangen in Muttern richtig einrasten  
(Montage / Demontage der Zangen  
s. Kap. 1.3)
- Möglichst die gesamte Spannlänge der  
Zange nutzen

- *Different selection of precisions:  
Standard:*

*Runout accuracy  $< 12 \mu$*

*Ultra-precision:*

*Runout accuracy  $< 5 \mu$*

*Also available on request:*

*Runout accuracy  $< 2 \mu$*

- *Many inch-sizes available*

**Caution!**

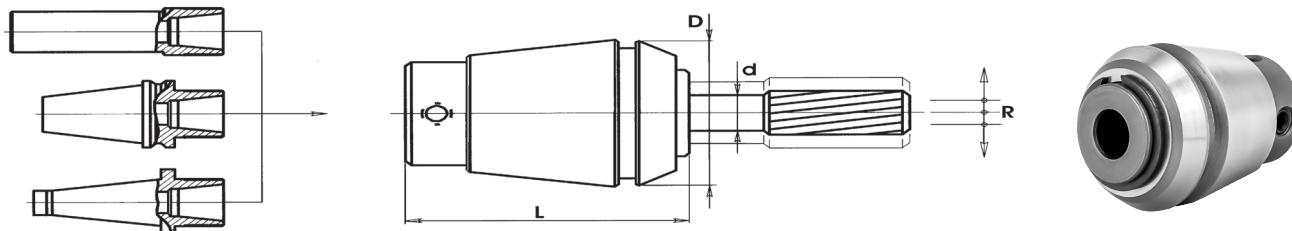
- *Do not clamp collets over nominal size*
- *Ensure the collets are caught in the nut  
(assembly and disassembly illustrated  
on chapter 1.3)*
- *Use total clamping length of the collet if  
possible*

Spannzangen DIN 6499  
mit pendelndem Ausgleich

## Floating Reamer Collets DIN 6499

- Spannzangen für schwimmende Halterung von Reibahlen und für starres Gewindebohren mit pendelndem Ausgleich
- Pendelnde Spannzangen ersetzen Pendelhalter
- Vorzugsweise Einsatz in angetriebenen Werkzeugen

- Collets for floated clamping of reamers and for rigid tapping with floated adjustment
- Floating collets replacing a floating holder

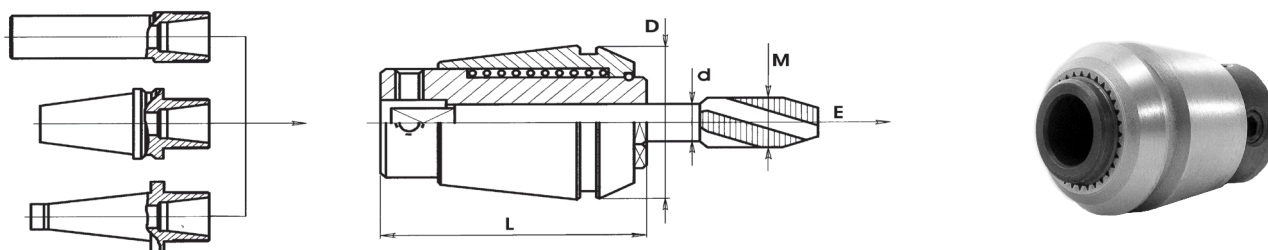


| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L  | Pendelweg ges.<br>total amplitude R<br>of floating | Bereich - range d                                                |
|--------------------------|-----------------|----|----|----------------------------------------------------|------------------------------------------------------------------|
| ERP16                    | ER16            | 17 | 29 | 1                                                  | 2 / 3 / 4 / 5 / 6 / 7                                            |
| ERP16                    | ER16            | 17 | 29 | 1                                                  | 1,5 / 2,5 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,2 / 6,3       |
| ERP20                    | ER20            | 21 | 32 | 1                                                  | 2 / 3 / 4 / 5 / 6 / 7 / 8                                        |
| ERP20                    | ER20            | 21 | 32 | 1                                                  | 1,5 / 2,5 / 2,8 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,3 / 7,1 |
| ERP25                    | ER25            | 26 | 35 | 1,2                                                | 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10                               |
| ERP25                    | ER25            | 26 | 35 | 1,2                                                | 1,5 / 2,5 / 2,8 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,3 / 7,1 |
| ERP32                    | ER32            | 33 | 44 | 0,7                                                | 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14               |
| ERP32                    | ER32            | 33 | 44 | 0,7                                                | 2,5 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,3                   |
| ERP40                    | ER40            | 41 | 56 | 0,7                                                | 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16     |
| ERP40                    | ER40            | 41 | 56 | 0,7                                                | 2,5 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,3                   |

Gewindebohrerspannzangen DIN 6499  
mit LängenausgleichTapping Collets DIN 6499  
with Length Adjustment

**Neu: Kerbverzahnung!** Für besonders stabiles Gewindebohren  
Höheres Drehmoment  
Exaktere Führung

**New: Spline drive**  
Higher torque  
Exact guiding



| Bestell-Nr.<br>order-no. | Zange<br>collet | D    | L    | E   | Bereich - range d                                                                                         |
|--------------------------|-----------------|------|------|-----|-----------------------------------------------------------------------------------------------------------|
| ETR11                    | ER11            | 11,5 | 23   | 5,5 | 0,9 / 1,4 / 1,5 / 1,6 / 1,8 / 2 / 2,2 / 2,3 / 2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4 / 4,5                 |
| ETR12                    | ER12            | 11,5 | 21,5 | 5,5 | 0,9 / 1,4 / 1,5 / 1,6 / 1,8 / 2 / 2,2 / 2,3 / 2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4                       |
| ETR16                    | ER16            | 17   | 27   | 7   | 1,4 / 1,6 / 1,8 / 2 / 2,2 / 2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4 / 4,5 / 5 / 5,5 / 5,6 / 6 / 6,1 / 6,3   |
| ETR20                    | ER20            | 21   | 31   | 7   | 2,2 / 2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4 / 4,5 / 5 / 5,5 / 5,6 / 6 / 6,2 / 6,3 / 7 / 8                 |
| ETR25                    | ER25            | 26   | 34   | 8   | 2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4 / 4,5 / 5 / 5,5 / 5,6 / 6 / 6,2 / 6,3 / 7 / 7,1 / 8 / 8,5 / 9 / 10  |
| ETR32                    | ER32            | 33   | 43   | 10  | 4,5 / 5 / 5,5 / 5,6 / 6 / 6,2 / 6,3 / 7 / 7,1 / 8 / 8,5 / 9 / 10 / 10,5 / 11 / 11,2 / 12 / 12,5 / 14      |
| ETR40                    | ER40            | 41   | 54   | 13  | 4,5 / 5,5 / 5,6 / 6 / 6,2 / 6,3 / 7 / 8 / 8,5 / 9 / 10 / 10,5 / 11 / 11,2 / 12 / 12,5 / 14 / 15 / 16 / 17 |

Rundlaufgenauigkeit 15 µm  
Wiederholgenauigkeit 10 µm

Runout Accuracy 15 µm  
Repeatability 10 µm



### Innenanschlge fr Druck- u. Zugspannzangen

### Backstop for Collets

- Schnelle Montage und dennoch absolut fester Sitz
- Zangenschaft wird nicht deformiert; Spannverhalten wird nicht negativ beeinflusst
- Anschlagteller knnen fr Hohlteile und an kleinste Bohrungen angepasst werden
- Fr 6-kt verwendbar, egal ob 3 oder 4 Schlitz
- Verringert Zangenbruch bei Stufenzangen

- *Easy and quick fitting*
- *Suitable for 3 or 4 slot collets*
- *Disks can be turned to any specific diameter*

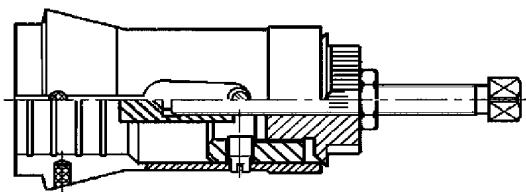


Bild 1



Bild 2

| Bestell-Nr.<br>order-no. | Fr Spannzange E-Nr.<br>for collet E-no. | F-Nr.<br>F-no. | Bild |
|--------------------------|------------------------------------------|----------------|------|
| HDAN-140E                | 140E                                     | F22 76-71      | 1    |
| HDAN-145E                | 145E                                     | F25 76-64      | 1    |
| HDAN-148E                | 148E                                     | F28 76-93      | 1    |
| HDAN-161E                | 161E                                     | F32 76-221     | 1    |
| HDAN-162E                | 162E                                     | F35 76-67      | 1    |
| HDAN-163E                | 163E                                     | F35 76-94      | 1    |
| HDAN-164E                | 164E                                     | F38 76-72      | 1    |
| HDAN-171E                | 171E                                     | F42 76-99      | 1    |
| HDAN-173E                | 173E                                     | F48 76-81      | 1    |
| HDAN-177E                | 177E                                     | F56            | 1    |
| HDAN-185E                | 185E                                     | F66 76-359     | 1    |
| HDAN-W20                 | 349E                                     | W20            | 2    |
| HDAN-358E                | 358E                                     | W23            | 2    |
| HDAN-359E                | 359E                                     | K23            | 2    |
| HDAN-W25                 | 364E                                     | W25            | 2    |
| HDAN-366E                | 366E                                     |                | 2    |
| HDAN-367E                | 367E                                     | B32            | 2    |
| HDAN-385E                | 385E                                     | B32            | 2    |
| HDAN-B45                 | EB45                                     | B45 72-199     | 1    |

Im Lieferumfang enthalten: 2 Anschlagteller

*Supplied with: 2 discs*

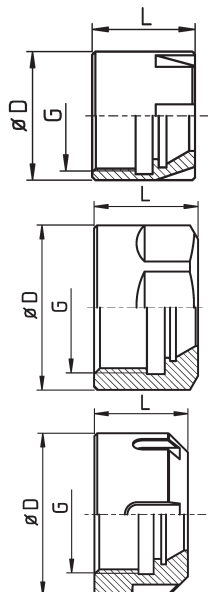
- 1** Muttern, ER  
*Nuts ER*
- 2** Muttern, ER f. Dichtscheiben DS/ER (System REGO-FIX)  
*Sealed Nuts ER System REGO-FIX*
- 2** Dichtscheiben, DS/ER  
*Sealing Disks DS/ER*
- 2** Überwurfmuttern, ER für Fräsdorne und Spannzangenreduktionen  
*Cap Nuts for Milling Arbors and Collet Reduction Sleeves*

## ER Spannmuttern DIN 6499

## ER Nuts DIN 6499

Standard: Alle Muttern sind vorgewuchtet

Standard: All nuts are balanced



| Bestell-Nr.<br>order-no. | Max. Anzugsmoment<br>max. torque [Nm] | D  | L    | G        | Schlüssel<br>spanners |
|--------------------------|---------------------------------------|----|------|----------|-----------------------|
| ER08M                    | 8                                     | 12 | 10,8 | M10x0,75 | E08M                  |
| ER11M                    | 18                                    | 16 | 12   | M13x0,75 | E11M                  |
| ER16M                    | 28                                    | 22 | 18,4 | M19x1    | E16M                  |
| ER20M                    | 35                                    | 28 | 19   | M24x1    | E20M                  |
| ER25M                    | 40                                    | 35 | 20   | M30x1    | E25M                  |
| UM/ER11                  | 25                                    | 19 | 11,3 | M14x0,75 | GS17                  |
| UM/ER16                  | 50                                    | 28 | 17,5 | M22x1,5  | GS25                  |
| UM/ER20                  | 75                                    | 34 | 19   | M25x1,5  | GS30                  |
| UX/ER16                  | 50                                    | 28 | 17,5 | M22x1,5  | E16                   |
| UX/ER20                  | 75                                    | 34 | 19   | M25x1,5  | E20                   |
| UM/ER25                  | 85                                    | 42 | 20   | M32x1,5  | E25                   |
| UM/ER32                  | 105                                   | 50 | 22,5 | M40x1,5  | E32                   |
| UM/ER40                  | 150                                   | 63 | 25,5 | M50x1,5  | E40                   |

Alle Muttern mit Super-Gliss Beschichtung

All nuts with Super-Gliss coating

# 1.3 - 2

## Muttern + Dichtscheiben Nuts + Sealing Disks

# 1

## Spannzangen, Muttern, Schlüssel Collets, Nuts, Spanners

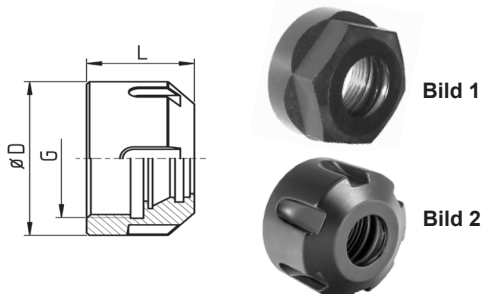
**BRITSCH**  
Spannzeuge GmbH

### Abgedichtete Muttern, System Regofix

### Sealed Nuts, System Regofix

ER Spannmuttern DIN 6499 / ISO 15488 für Dichtscheiben DS/ER

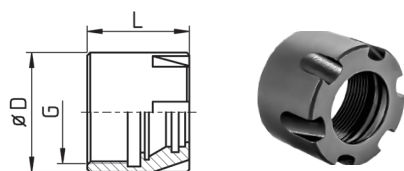
ER Nuts DIN 6499 / ISO 15488  
for Sealing Disks DS/ER



| Bestell-Nr.<br>order-no. | Max. Anzugsmoment<br>max. torque [Nm] | Bild | D  | L    | G       |
|--------------------------|---------------------------------------|------|----|------|---------|
| ERC16                    | 70                                    | 1    | 28 | 22,5 | M22x1,5 |
| ERC20                    | 100                                   | 1    | 34 | 24,0 | M25x1,5 |
| ERC25                    | 130                                   | 2    | 42 | 25,0 | M32x1,5 |
| ERC32                    | 170                                   | 2    | 50 | 27,5 | M40x1,5 |
| ERC40                    | 220                                   | 2    | 63 | 30,5 | M50x1,5 |

### ER Minimuttern für Dichtscheiben DS/ER

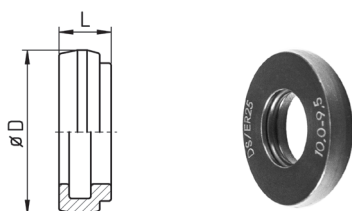
### ER Mini-Nuts for Sealing Disks DS/ER



| Bestell-Nr.<br>order-no. | Max. Anzugsmoment<br>max. torque [N/m] | D  | L    | G        |
|--------------------------|----------------------------------------|----|------|----------|
| ERC11M                   | 20                                     | 16 | 14,6 | M13x0,75 |
| ERC16M                   | 30                                     | 22 | 22,0 | M19x1,0  |
| ERC20M                   | 35                                     | 28 | 24,0 | M24x1,0  |
| ERC25M                   | 40                                     | 35 | 25,0 | M30x1,0  |

### Dichtscheiben DS/ER

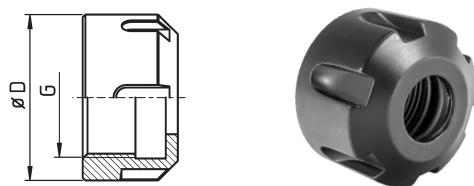
### Sealing Disks DS/ER



| Bestell-Nr.<br>order-no. | D    | L | Bereich von - bis<br>range | stg.<br>step |
|--------------------------|------|---|----------------------------|--------------|
| DS/ER16                  | 13,0 | 4 | 3,0 - 10,0                 | 0,5          |
| DS/ER20                  | 16,0 | 4 | 3,0 - 13,0                 | 0,5          |
| DS/ER25                  | 21,0 | 4 | 3,0 - 16,0                 | 0,5          |
| DS/ER32                  | 27,0 | 4 | 3,0 - 20,0                 | 0,5          |
| DS/ER40                  | 33,5 | 4 | 3,0 - 26,0                 | 0,5          |

### ER Überwurfmutter für Fräsdorne und Spannzangenreduktionen

### ER Cap Nuts for Milling Arbors and Collet Reduction Sleeves



| Bestell-Nr.<br>order-no. | D    | Gewinde<br>thread G | Schlüssel<br>spanner |
|--------------------------|------|---------------------|----------------------|
| UF/ER08M                 | 16   | M10x0,75            | GS14                 |
| UF/ER11                  | 19   | M14x0,75            | GS17                 |
| UF/ER11M                 | 19,5 | M13x0,75            | GS17                 |
| UF/ER16                  | 28   | M22x1,5             | GS25                 |
| UF/ER16M                 | SW22 | M19x1               | GS22                 |
| UF/ER20                  | 35   | M25x1,5             | GS30                 |
| UF/ER20M                 | 28   | M24x1               | E20M-XX              |
| UF/ER25                  | 42   | M32x1,5             | E25                  |
| UF/ER25M                 | 35   | M30x1               | E25M-XX              |

### Schlüssel

### Spanners



| Schlüssel spanners | Für Muttern for nuts |
|--------------------|----------------------|
| E08M               | ER08M                |
| E11M               | ER11M                |
| E16M               | ER16M                |
| E20M               | ER20M                |
| E25M               | ER25M                |
|                    |                      |
| GS25               | UM/ER11              |



| Schlüssel spanners | Für Muttern for nuts |
|--------------------|----------------------|
| E16                | UX/ER16              |
| E20                | UX/ER20              |
| E25                | UM/ER25              |
| E32                | UM/ER32              |
| E40                | UM/ER40              |

### Dünne Gabelschlüssel

### Thin Spanners

- Dicke 4mm
- Für schmale Schlüsselflächen
- Exakt gearbeitet

- *Thickness 4mm*
- *For narrow key areas*
- *Exact quality*



| Schlüssel spanners | Länge length | Breite width |
|--------------------|--------------|--------------|
| SW27               | 200          | 58           |
| SW30               | 200          | 62,5         |
| SW32               | 200          | 64           |

### Steckschlüssel

### Socket Spanners

#### Vorteile:

- Leichtere Handhabung
- Geringere Abrutschgefahr/Verletzungsgefahr
- Bessere Erreichbarkeit der Werkzeuge
- Höheres Anzugsmoment

#### Advantages:

- *Easy handling*
- *Reduced risk of slipping*
- *Better access to tools*
- *Higher torque*



| Schlüssel spanners |
|--------------------|
| E08M-ST            |
| E11M-ST            |
| E16M-ST            |
| E20M-ST            |
| E25M-ST            |

### Schlüssel für Fräsdornmuttern

### Spanners for Milling Arbor Nuts

S. Kap. 3.3

*in chapter 3.3*

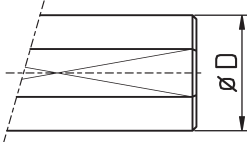
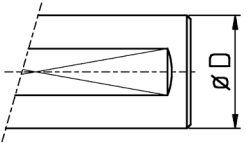
*Collet Holders***ER-Zangenspannfutter****2.1***ER-Double Holders***ER-Doppelhalter****2.2**

### Technische Informationen

### Technical Information

- Alle Zangenspannfutter werden incl. Standard-Mutter geliefert
- Zangenspannfutter mit "AK" werden incl. abgedichteter Mutter (System Regofix) geliefert.
- Rundlaufgenauigkeit der ER Zangenspannfutter < 5 µ
- Abkürzungen bei den Halter-Bezeichnungen:

- All tap holders will be supplied with clamping Nut (standard)
- Tap holders with "AK" will be supplied with sealed nut type Rego-fix
- Runout accuracy ER-collar holders < 5µ
- List of abbreviations:

|     |                                           |                                                                                      |
|-----|-------------------------------------------|--------------------------------------------------------------------------------------|
| IK  | axialer Kühlmittelanschluss               | <i>axial inner coolant lead in</i>                                                   |
| AK  | seitlicher (radialer) Kühlmittelanschluss | <i>radial inner coolant lead in</i>                                                  |
| WD  | durchgehende Spannfläche                  |    |
| FL  | abgesetzte Spannfläche                    |  |
| T   | speziell für TornosMaschinen              |                                                                                      |
| OS  | ohne Anschlagschraube                     |                                                                                      |
| AK0 | Gewinde des Kühlmittelanschlusses:        | <i>Thread inner coolant lead in:</i><br>M12 x 1,5                                    |
| AK1 |                                           | G 1/8"                                                                               |
| AK2 |                                           | M8 x 1                                                                               |
| AK3 |                                           | M10 x 1                                                                              |

- Alle Halter AK0 können auf AK1 - AK3 reduziert werden

- 1 - 5** ER-Zangenspannfutter, Gewinde ER Mini  
*Collet Holders ER..M*
- 6** ER-Zangenspannfutter, Standard-Gewinde  
*Collet Holders ER*
- 7** ER-Zangenspannfutter mit seitlichem + axialem Kühlmittelanschluss  
*ER-Collet Holders with Inner Coolant, Side and Rear*



### ER-Zangenspannfutter ER08M

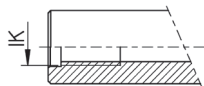
### ER-Collet Holders ER08M

Ausführungen:

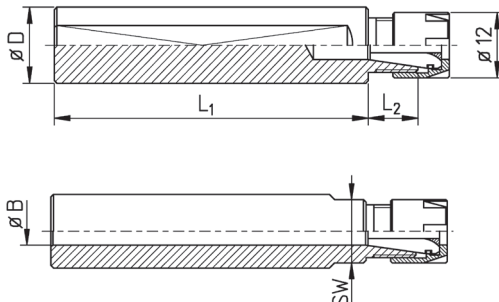
*Versions:*

WD: Spannfläche

WD: *Clamping flat*



IK: Kühlmittelanschluss  
ic: *Inner coolant*



B: Durchgehende Bohrung / *With through bore*  
SW: Schlüsselfläche / *Spanner flat*



2

| Bestell-Nr.<br>order-no. | Zange<br>collet | D | L <sub>1</sub> | L <sub>2</sub> | IK / B<br>ic / B | SW | Mutter<br>nut | Schlüssel<br>spanner |
|--------------------------|-----------------|---|----------------|----------------|------------------|----|---------------|----------------------|
| EM080568                 | ER08            | 5 | 68             | 9              | -                | 8  | ER08M         | E08M                 |
| EM080635                 | ER08            | 6 | 35             | 16             | -                | 9  | ER08M         | E08M                 |
| EM080669                 | ER08            | 6 | 69             | 9              | -                | 8  | ER08M         | E08M                 |
| EM080818                 | ER08            | 8 | 18             | 13             | 3                | -  | ER08M         | E08M                 |
| EM080855                 | ER08            | 8 | 55             | 18             | -                | -  | ER08M         | E08M                 |
| EM080870                 | ER08            | 8 | 70             | 16             | -                | -  | ER08M         | E08M                 |
| EM0808118                | ER08            | 8 | 118            | 16             | -                | 8  | ER08M         | E08M                 |
| EM0808125                | ER08            | 8 | 125            | 16             | -                | 8  | ER08M         | E08M                 |
| EM0808125WD              | ER08            | 8 | 125            | 16             | -                | 8  | ER08M         | E08M                 |

## 2.1 - 2

### ER-Zangenspannfutter ER-Collet Holders

## 2

### Zangenspannfutter Collet Holders

**BRITSCH**  
Spannzeuge GmbH

#### ER-Zangenspannfutter ER11M

#### ER-Collet Holders ER11M

Ausführungen:

Versions:

Vgl. auch S. 1

See also page 1

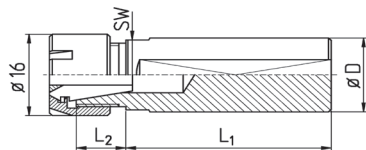


Bild 1 (WD)

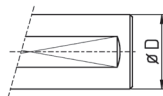


Bild 2 (FL)

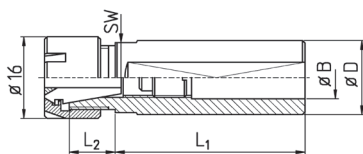


Bild 3 (B)

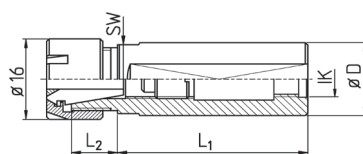


Bild 4 (IK)



| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> | IK / B<br>ic / B | SW | Bild  | Mutter<br>nut | Schlüssel<br>spanner |
|--------------------------|-----------------|----|----------------|----------------|------------------|----|-------|---------------|----------------------|
| EM110554                 | ER11            | 5  | 54             | 23             | -                | 11 |       | ER11M         | E11M                 |
| EM110655                 | ER11            | 6  | 55             | 22             | -                | 11 |       | ER11M         | E11M                 |
| EM110756                 | ER11            | 7  | 56             | 20             | -                | 11 |       | ER11M         | E11M                 |
| EM110845                 | ER11            | 8  | 45             | 20             | -                | 11 |       | ER11M         | E11M                 |
| EM110856                 | ER11            | 8  | 56             | 20             | -                | 11 |       | ER11M         | E11M                 |
| EM1108100                | ER11            | 8  | 100            | 21             | -                | 11 |       | ER11M         | E11M                 |
| EM112060IK               | ER11            | 20 | 60             | 12             | G1/8"            | 17 |       | ER11M         | E11M                 |
| EM112060IKWD             | ER11            | 20 | 60             | 12             | G1/8"            | 17 | 1 / 4 | ER11M         | E11M                 |
| EM112090IKWD             | ER11            | 20 | 90             | 11             | IK               | 17 | 1 / 4 | ER11M         | E11M                 |
| EM1120100                | ER11            | 20 | 100            | 13             | -                | 17 |       | ER11M         | E11M                 |
| EM1120100IKWD            | ER11            | 20 | 100            | 12             | G1/8"            | 17 | 1 / 4 | ER11M         | E11M                 |
| EM112269IKWD             | ER11            | 22 | 69             | 12             | G1/8"            | 19 | 1 / 4 | ER11M         | E11M                 |
| EM112290WD               | ER11            | 22 | 90             | 19             | -                | -  | 1     | ER11M         | E11M                 |
| EM112290IKOSWD           | ER11            | 22 | 90             | 12             | G1/8"            | -  | 1 / 4 | ER11M         | E11M                 |
| EM112290IKOS             | ER11            | 22 | 90             | 12             | G1/8"            | -  | 4     | ER11M         | E11M                 |
| EM1122120IKO-            | ER11            | 22 | 120            | 12             | G1/8"            | -  | 1 / 4 | ER11M         | E11M                 |
| EM1122120OS              | ER11            | 22 | 120            | 19             | -                | -  |       | ER11M         | E11M                 |
| EM1122120WD              | ER11            | 22 | 120            | 12             | 7                | 19 | 1     | ER11M         | E11M                 |

### ER-Zangenspannfutter ER16M

### ER-Collet Holders ER16M

Ausführungen:  
Versions:

Vgl. auch S. 1  
See also page 1

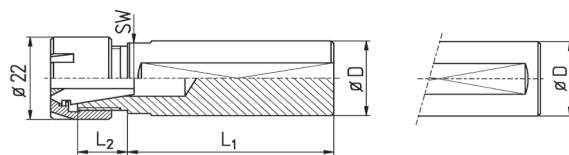


Bild 1 (WD)

Bild 2 (FL)

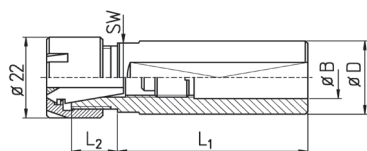


Bild 3 (B)

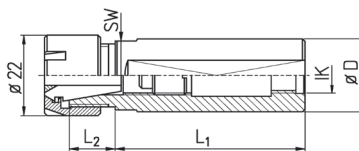


Bild 4 (IK)



2

| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> | IK / B<br>ic / B | SW | Bild  | Mutter<br>nut | Schlüssel<br>spanner |
|--------------------------|-----------------|----|----------------|----------------|------------------|----|-------|---------------|----------------------|
| EM160860                 | ER16            | 8  | 60             | 27             | -                | 17 |       | ER16M         | E16M                 |
| EM162050                 | ER16            | 20 | 50             | 15             | 10               | 17 | 3     | ER16M         | E16M                 |
| EM162050FL               | ER16            | 20 | 50             | 15             | 10               | 17 | 2     | ER16M         | E16M                 |
| EM162070                 | ER16            | 20 | 70             | 15             | -                | -  |       | ER16M         | E16M                 |
| EM162070FL               | ER16            | 20 | 70             | 15             | 10               | 17 | 2     | ER16M         | E16M                 |
| EM162070IKWD             | ER16            | 20 | 70             | 15             | G1/4"            | 17 | 2 / 4 | ER16M         | E16M                 |
| EM1620100FL              | ER16            | 20 | 100            | 15             | 10               | 17 | 3     | ER16M         | E16M                 |
| EM1620100IKWD            | ER16            | 20 | 100            | 15             | 1/8"             | 17 | 1 / 4 | ER16M         | E16M                 |
| EM1620120                | ER16            | 20 | 120            | 16             | 10               | 17 | 3     | ER16M         | E16M                 |
| EM1620120FL              | ER16            | 20 | 120            | 15             | 10               | 17 |       | ER16M         | E16M                 |
| EM1620140                | ER16            | 20 | 140            | 15             | 10               | 17 | 3     | ER16M         | E16M                 |
| EM1620140FL              | ER16            | 20 | 140            | 15             | 10               | 17 | 2     | ER16M         | E16M                 |
| EM1620148IK              | ER16            | 20 | 148            | 22             | G1/8"            | 17 | 4     | ER16M         | E16M                 |
| EM1620148IKWD            | ER16            | 20 | 148            | 22             | G1/8"            | 17 | 1 / 4 | ER16M         | E16M                 |
| EM1620170FL              | ER16            | 20 | 170            | 15             | 10               | 17 | 2     | ER16M         | E16M                 |
| EM1620170                | ER16            | 20 | 170            | 15             | 10               | 17 |       | ER16M         | E16M                 |
| EM162238WD               | ER16            | 22 | 38             | 16             | 10               | 19 | 1     | ER16M         | E16M                 |
| EM162238IKWD             | ER16            | 22 | 38             | 16             | G1/4"            | 19 |       | ER16M         | E16M                 |
| EM162250WD               | ER16            | 22 | 50             | 16             | 10               | 19 | 1     | ER16M         | E16M                 |
| EM162250IKWD             | ER16            | 22 | 50             | 16             | G1/4"            | 19 | 1 / 4 | ER16M         | E16M                 |
| EM162270IK               | ER16            | 22 | 70             | 16             | G1/4"            | 19 | 4     | ER16M         | E16M                 |
| EM162270IKFL             | ER16            | 22 | 70             | 16             | G1/4"            | 19 | 2 / 4 | ER16M         | E16M                 |
| EM162270IKWD             | ER16            | 22 | 70             | 16             | G1/8"            | 19 | 1 / 4 | ER16M         | E16M                 |
| EM162290IKWD             | ER16            | 22 | 90             | 16             | G1/4"            | 19 | 1 / 4 | ER16M         | E16M                 |
| EM1622105IKWD            | ER16            | 22 | 105            | 16             | G1/8"            | 19 | 1 / 4 | ER16M         | E16M                 |
| EM1622114IKWD            | ER16            | 22 | 114            | 16             | G1/8"            | 19 | 1 / 4 | ER16M         | E16M                 |
| EM1622120FL              | ER16            | 22 | 120            | 16             | 10               | 19 | 2     | ER16M         | E16M                 |
| EM1622140IKWD            | ER16            | 22 | 140            | 16             | G1/8"            | 19 | 1 / 4 | ER16M         | E16M                 |
| EM162558IK               | ER16            | 25 | 58             | 16             | G1/4"            | 22 | 2     | ER16M         | E16M                 |
| EM162560FL               | ER16            | 25 | 60             | 16             | 10               | 22 | 2     | ER16M         | E16M                 |
| EM162575IK               | ER16            | 25 | 75             | 16             | G1/4"            | 22 |       | ER16M         | E16M                 |
| EM162575IKWD             | ER16            | 25 | 75             | 16             | G1/4"            | 22 | 1 / 4 | ER16M         | E16M                 |
| EM1625100IKWD            | ER16            | 25 | 100            | 16             | G1/4"            | 22 | 1 / 4 | ER16M         | E16M                 |
| EM1625150IK              | ER16            | 25 | 150            | 16             | G1/4"            | 22 | 4     | ER16M         | E16M                 |
| EM1625150IKTWD           | ER16            | 25 | 150            | 16             | G1/4"            | 22 | 1 / 4 | ER16M         | E16M                 |

## 2.1 - 4

### ER-Zangenspannfutter ER-Collet Holders

## 2

### Zangenspannfutter Collet Holders

**BRITSCH**  
Spannzeuge GmbH

#### ER-Zangenspannfutter ER25M

#### ER-Collet Holders ER25M

Ausführungen:  
Versions:

Vgl. auch S. 1  
See also page 1

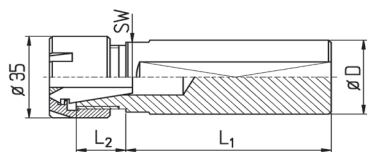


Bild 1 (WD)

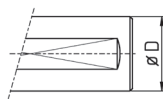


Bild 2 (FL)

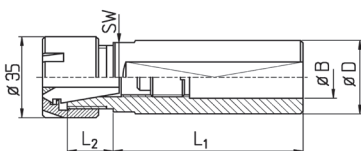


Bild 3 (B)

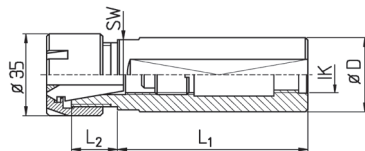


Bild 4 (IK)



| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> | IK / B<br>ic / B | SW | Bild  | Mutter<br>nut | Schlüssel<br>spanner |
|--------------------------|-----------------|----|----------------|----------------|------------------|----|-------|---------------|----------------------|
| EM252050                 | ER25            | 20 | 50             | 33             | 13               | 27 | 3     | ER25M         | E25M                 |
| EM252050FL               | ER25            | 20 | 50             | 33             | 14               | 27 | 2     | ER25M         | E25M                 |
| EM252075FL               | ER25            | 20 | 75             | 33             | 14               | 27 | 2     | ER25M         | E25M                 |
| EM2520100IK              | ER25            | 20 | 100            | 34             |                  | 27 | 1     | ER25M         | E25M                 |
| EM2520100WD              | ER25            | 20 | 100            | 34             | 12               | 27 | 1     | ER25M         | E25M                 |
| EM2520150IK              | ER25            | 20 | 150            | 33             | G1/4"            | -  | 4     | ER25M         | E25M                 |
| EM2520150FL              | ER25            | 20 | 150            | 33             | -                | 27 | 2     | ER25M         | E25M                 |
| EM2520150IKFL            | ER25            | 20 | 150            | 33             | G1/4"            | 27 | 1 / 4 | ER25M         | E25M                 |
| EM252550                 | ER25            | 25 | 50             | 27             | 17               | 27 | 3     | ER25M         | E25M                 |
| EM252550FL               | ER25            | 25 | 50             | 27             | 17               | 27 | 2     | ER25M         | E25M                 |
| EM252575                 | ER25            | 25 | 75             | 27             | 17               | 27 | 3     | ER25M         | E25M                 |
| EM252575FL               | ER25            | 25 | 75             | 27             | 17               | 27 | 2     | ER25M         | E25M                 |
| EM2525100IK              | ER25            | 25 | 100            | 27             | G1/4"            | 27 | 4     | ER25M         | E25M                 |
| EM2525100IKWD            | ER25            | 25 | 100            | 27             | G1/4"            | 27 | 1 / 4 | ER25M         | E25M                 |
| EM2525150IK              | ER25            | 25 | 150            | 27             | G1/4"            | 27 | 4     | ER25M         | E25M                 |
| EM2525150IKTWD           | ER25            | 25 | 150            | 27             | G1/4"            | 27 | 1 / 4 | ER25M         | E25M                 |
| EM2525180IKWD            | ER25            | 25 | 180            | 27             | G1/4"            | 27 | 1 / 4 | ER25M         | E25M                 |

### ER-Zangenspannfutter ER20M

### ER-Collet Holders ER20M

Ausführungen:  
Versions:

Vgl. auch S. 1  
See also page 1

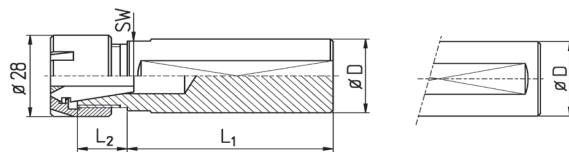


Bild 1 (WD)

Bild 2 (FL)

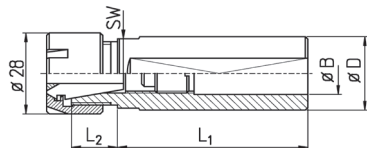


Bild 3 (B)

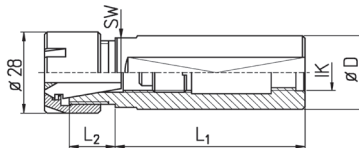


Bild 4 (IK)



2

| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> | IK / B<br>ic / B | SW | Bild  | Mutter<br>nut | Schlüssel<br>spanner |
|--------------------------|-----------------|----|----------------|----------------|------------------|----|-------|---------------|----------------------|
| EM202050                 | ER20            | 20 | 50             | 25             | 13               | 22 | 3     | ER20M         | E20M                 |
| EM202050FL               | ER20            | 20 | 50             | 25             | 13               | 22 | 2     | ER20M         | E20M                 |
| EM202064IKTWD            | ER20            | 20 | 64             | 23             | M12x1,5          | 22 | 1 / 4 | ER20M         | E20M                 |
| EM202085IK               | ER20            | 20 | 85             | 25             | M12x1,5          | 22 |       | ER20M         | E20M                 |
| EM202085IKTWD            | ER20            | 20 | 85             | 25             | M12x1,5          | -  | 1     | ER20M         | E20M                 |
| EM202085IKWD             | ER20            | 20 | 85             | 25             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |
| EM2020100                | ER20            | 20 | 100            | 26             | 11               | 22 |       | ER20M         | E20M                 |
| EM2020100FL              | ER20            | 20 | 100            | 26             | 12               | 22 | 2     | ER20M         | E20M                 |
| EM2020110IKTWD           | ER20            | 20 | 110            | 23             | M12x1,5          | 22 | 1 / 4 | ER20M         | E20M                 |
| EM2020150IK              | ER20            | 20 | 150            | 25             | G1/4"            | 22 | 4     | ER20M         | E20M                 |
| EM2020150IKWD            | ER20            | 20 | 150            | 25             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |
| EM202270IKFL             | ER20            | 22 | 70             | 25             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |
| EM202270IKWD             | ER20            | 22 | 70             | 25             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |
| EM202290                 | ER20            | 22 | 90             | 25             | 12               | 22 | 3     | ER20M         | E20M                 |
| EM202290IKWD             | ER20            | 22 | 90             | 22             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |
| EM202550FL               | ER20            | 25 | 50             | 16             | 13               | 22 | 2     | ER20M         | E20M                 |
| EM202550                 | ER20            | 25 | 50             | 16             | 13               | 22 | 3     | ER20M         | E20M                 |
| EM202560IKWD             | ER20            | 25 | 60             | 16             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |
| EM202575WD               | ER20            | 25 | 75             | 16             | 13               | 22 | 1     | ER20M         | E20M                 |
| EM202575FL               | ER20            | 25 | 75             | 16             | 13               | 22 | 2     | ER20M         | E20M                 |
| EM2025100IK              | ER20            | 25 | 100            | 27             | M14x1,5          | 22 | 3     | ER20M         | E20M                 |
| EM2025100IKWD            | ER20            | 25 | 100            | 16             | M14x1,5          | 22 | 4     | ER20M         | E20M                 |
| EM2025100FL              | ER20            | 25 | 100            | 17             | 13               | 22 | 2     | ER20M         | E20M                 |
| EM2025140IKWD            | ER20            | 25 | 140            | 16             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |
| EM2025140IK              | ER20            | 25 | 140            | 16             | G1/4"            | 22 | 4     | ER20M         | E20M                 |
| EM2025150IKWD            | ER20            | 25 | 150            | 16             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |
| EM2025150WD              | ER20            | 25 | 150            | 24             | -                | 22 | 1     | ER20M         | E20M                 |
| EM2025153IK              | ER20            | 25 | 153            | 16             | G1/4"            | 22 | 4     | ER20M         | E20M                 |
| EM2025169IK              | ER20            | 25 | 169            | 16             | G1/4"            | 22 | 4     | ER20M         | E20M                 |
| EM2025169IKWD            | ER20            | 25 | 169            | 16             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |
| EM2025198IK              | ER20            | 25 | 198            | 17             | G1/4"            | 22 | 4     | ER20M         | E20M                 |
| EM2025198IKWD            | ER20            | 25 | 198            | 17             | G1/4"            | 22 | 1 / 4 | ER20M         | E20M                 |

## 2.1 - 6

### ER-Zangenspannfutter ER-Collet Holders

## 2

### Zangenspannfutter Collet Holders

**BRITSCH**  
Spannzeuge GmbH

#### ER-Zangenspannfutter ER11

#### ER-Collet Holders ER11

Ausführungen:  
Versions:

Vgl. auch S. 1  
See also page 1

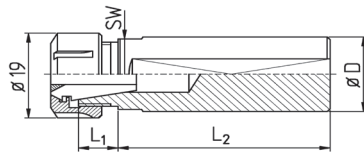


Bild 1 (WD)

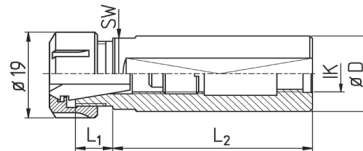


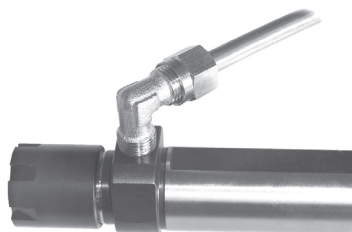
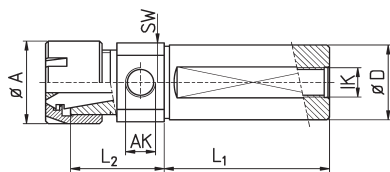
Bild 4 (IK)



| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> | IK / B<br>ic / B | SW | Bild | Mutter<br>nut | Schlüssel<br>spanner |
|--------------------------|-----------------|----|----------------|----------------|------------------|----|------|---------------|----------------------|
| EU112050WD               | ER11            | 20 | 50             | 12             | 7                | 17 | 1    | UM/ER11       | GS17                 |
| EU112060                 | ER11            | 20 | 60             | 12             | 7                | 17 | 3    | UM/ER11       | GS17                 |
| EU112060WD               | ER11            | 20 | 60             | 12             | 7                | 17 | 1    | UM/ER11       | GS17                 |
| EU112080WD               | ER11            | 20 | 80             | 12             | 7                | 17 | 1    | UM/ER11       | GS17                 |
| EU1120100                | ER11            | 20 | 100            | 12             | 7                | 17 | 3    | UM/ER11       | GS17                 |
| EU1120100WD              | ER11            | 20 | 100            | 12             | 7                | 17 | 1    | UM/ER11       | GS17                 |
| EU112570                 | ER11            | 25 | 70             | 12             | 7                | 22 | 3    | UM/ER11       | GS17                 |
| EU112570WD               | ER11            | 25 | 70             | 12             | 7                | 22 | 1    | UM/ER11       | GS17                 |

**ER-Zangenspannfutter**  
mit seitlichem und rückseitigem  
Kühlmittelanschluss

**ER-Collet Holders**  
with Inner Coolant, Side and Rear



2

| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> | A  | AK      | IK    | Mutter<br>nut | Schlüssel<br>spanner |
|--------------------------|-----------------|----|----------------|----------------|----|---------|-------|---------------|----------------------|
| EM162050AK0              | ER16            | 20 | 50             | 30             | 22 | M12x1,5 | G1/8" | ERC16M        | E16M                 |
| EM162050AK1              | ER16            | 20 | 50             | 30             | 22 | G1/8"   |       | ERC16M        | E16M                 |
| EM162050AK2              | ER16            | 20 | 50             | 30             | 22 | M8x1    |       | ERC16M        | E16M                 |
| EM162050AK3              | ER16            | 20 | 50             | 30             | 22 | M10x1   |       | ERC16M        | E16M                 |
| EM162070AK0              | ER16            | 20 | 70             | 30             | 22 | M12x1,5 | G1/8" | ERC16M        | E16M                 |
| EM162070AK1              | ER16            | 20 | 70             | 30             | 22 | G1/8"   | G1/8" | ERC16M        | E16M                 |
| EM162070AK2              | ER16            | 20 | 70             | 30             | 22 | M8x1    |       | ERC16M        | E16M                 |
| EM162070AK3              | ER16            | 20 | 70             | 30             | 22 | M10x1   |       | ERC16M        | E16M                 |
| EM1625134AK1             | ER16            | 25 | 134            | 32             | 22 | G1/8"   |       | ERC16M        | E16M                 |
| EM162550AK0              | ER16            | 25 | 50             | 30             | 22 | M12x1,5 | G1/4" | ERC16M        | E16M                 |
| EM162550AK1              | ER16            | 25 | 50             | 27             | 22 | G1/8"   |       | ERC16M        | E16M                 |
| EM162550AK2              | ER16            | 25 | 50             | 27             | 22 | M8x1    | G1/4" | ERC16M        | E16M                 |
| EM162550AK3              | ER16            | 25 | 50             | 30             | 22 | M10x1   |       | ERC16M        | E16M                 |
| EM162570AK1              | ER16            | 25 | 70             | 27             | 22 | G1/8"   |       | ERC16M        | E16M                 |

## 2.2 - 1

### ER-Doppelhalter ER-Double Holders

## 2

### Zangenspannfutter Collet Holders

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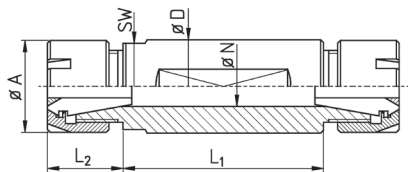
#### ER-Doppelhalter für CNC-Maschinen mit Abgreifspindel

#### ER-Double Holders for CNC-Lathes with Subspindle

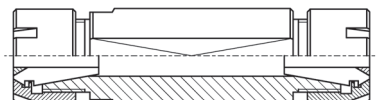
Ausführungen:

Versions:

FL: Spannfläche abgesetzt  
FL: Enclosed clamping flat



WD: Spannfläche durchgehend  
WD: Clamping flat throughout



| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> | A  | N   | SW | Mutter<br>nut | Schlüssel<br>spanner |
|--------------------------|-----------------|----|----------------|----------------|----|-----|----|---------------|----------------------|
| ED112032WD               | ER11            | 20 | 32             | 10             | 16 | 7,5 |    | ER11M         | E11M                 |
| ED112040WD               | ER11            | 20 | 40             | 10             | 16 | 7,5 | 17 | ER11M         | E11M                 |
| ED112050WD               | ER11            | 20 | 50             | 10             | 16 | 7,5 | 17 | ER11M         | E11M                 |
| ED112065WD               | ER11            | 20 | 65             | 12             | 16 | 7,5 | 17 | ER11M         | E11M                 |
| ED112080WD               | ER11            | 20 | 80             | 12             | 16 | 7,5 | 17 | ER11M         | E11M                 |
| ED112232WD               | ER11            | 22 | 32             | 12             | 16 | 7,5 | 19 | ER11M         | E11M                 |
| EDU112295WD              | ER11            | 22 | 95             | 12             | 16 | 7,5 | 19 | UM/ER11       | GS17                 |
| EDU1122100WD             | ER11            | 22 | 100            | 12             | 16 | 7,5 | 19 | UM/ER11       | GS17                 |
| ED162032WD               | ER16            | 20 | 32             | 15             | 22 | 11  | 17 | ER16M         | E16M                 |
| ED162050WD               | ER16            | 20 | 50             | 15             | 22 | 11  | 17 | ER16M         | E16M                 |
| ED162055FL               | ER16            | 20 | 55             | 15             | 22 | 11  | 17 | ER16M         | E16M                 |
| ED162062FL               | ER16            | 20 | 62             | 15             | 22 | 11  | 17 | ER16M         | E16M                 |
| ED162075FL               | ER16            | 20 | 75             | 15             | 22 | 11  | 17 | ER16M         | E16M                 |
| ED162240WD               | ER16            | 22 | 40             | 15             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED162248WD               | ER16            | 22 | 48             | 15             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED162255WD               | ER16            | 22 | 55             | 15             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED162262WD               | ER16            | 22 | 62             | 15             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED162267WD               | ER16            | 22 | 67             | 12             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED162275WD               | ER16            | 22 | 75             | 13             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED162275                 | ER16            | 22 | 75             | 13             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED162284WD               | ER16            | 22 | 84             | 16             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED162290WD               | ER16            | 22 | 90             | 16             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED162295WD               | ER16            | 22 | 95             | 16             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED1622100WD              | ER16            | 22 | 100            | 16             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED1622120WD              | ER16            | 22 | 120            | 15             | 22 | 11  | 19 | ER16M         | E16M                 |
| ED203220WD               | ER20            | 32 | 20             | 18             | 28 | 14  | -  | ER20M         | E20M                 |
| ED203235WD               | ER20            | 32 | 35             | 18             | 28 | 14  | -  | ER20M         | E20M                 |
| ED203243WD               | ER20            | 32 | 43             | 18             | 28 | 14  | 27 | ER20M         | E20M                 |
| ED203243FL               | ER20            | 32 | 43             | 18             | 28 | 14  | 27 | ER20M         | E20M                 |
| ED203248WD               | ER20            | 32 | 48             | 18             | 28 | 14  | 27 | ER20M         | E20M                 |
| ED203255WD               | ER20            | 32 | 55             | 18             | 28 | 14  | 27 | ER20M         | E20M                 |
| ED203285WD               | ER20            | 32 | 85             | 18             | 28 | 14  | 27 | ER20M         | E20M                 |
| EDU253252WD              | ER25            | 32 | 52             | 16             | 40 | 17  | -  | UM/ER25       | E25                  |

ER-Doppelhalter können gegen Aufpreis auf AK1-Anschluss (G1/8") umgearbeitet werden  
ER-double holders can be changed to AK1-inner-coolant (G1/8") for extra charge

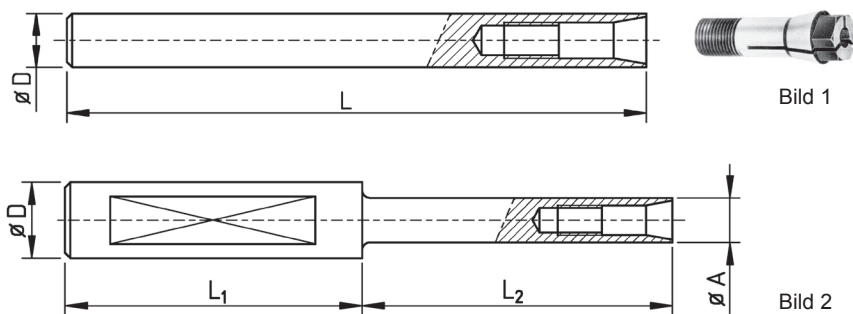


### Zangenspannfutter für Zangen Reihe 600

### Collet Holders for Collets Type 600

Aufnahmen gehärtet und geschliffen

Holders are hardened and ground



2

| Bestell-Nr.<br>order-no. | Zange<br>collet | D   | L   | L <sub>1</sub> | L <sub>2</sub> | A   | Bild |
|--------------------------|-----------------|-----|-----|----------------|----------------|-----|------|
| E6023/06100              | 6023E           | 6   | 100 | 80             | 20             | 7,2 | 2    |
| E6023/07100              | 6023E           | 7,2 | 100 | -              | -              | -   | 1    |
| E6023/0870               | 6023E           | 8   | 70  | -              | -              | -   | 1    |
| E6043/0940               | 6043E           | 9   | 40  | -              | -              | -   | 1    |
| E6043/09100              | 6043E           | 9   | 100 | -              | -              | -   | 1    |
| E6043/10100              | 6043E           | 10  | 100 | 50             | 50             | 9   | 2    |

Aus Vergütungsstahl  
Klemmfläche oder Durchgangsbohrungen mit Aufpreis

Material: Heat-treated steel  
Clamping flat or through-bore for extra charge

### Spannzangenreduktionen / -verlängerungen für Spannzangen Reihe 600E

### Collet Reduction Sleeves and Extensions for Collets Type 600E

Siehe Kap. 3.2

see chapter 3.2

### **Quick Change Tool Systems**

*only in the main catalog*

### **Collet Reduction Sleeves**

### **Milling Arbors**

*only in the main catalog*



### **Schnellwechselsysteme**

*nur im Hauptkatalog*

**3.1**

### **Spannzangenreduktionen**

**3.2**

### **Fräsdorne**

*nur im Hauptkatalog*

**3.3**

**Spannzangenreduktionen  
mit Überwurfmutter UF**

**Collet Reduction Sleeves  
with Cap Nut UF**

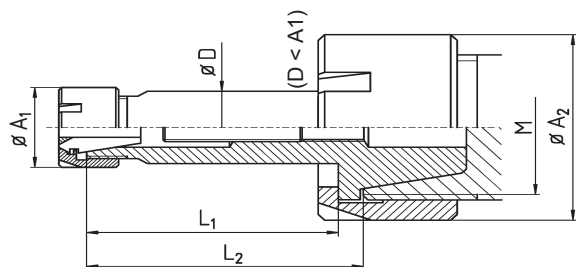


Bild 2

**3**

| Bestell-Nr.<br>order-no. | Kegel<br>cone | Zange<br>collet | UF-Mutter, Gewinde<br>cap nut, thread M | A <sub>1</sub> | A <sub>2</sub> | L <sub>1</sub> | L <sub>2</sub> | L  | G   |
|--------------------------|---------------|-----------------|-----------------------------------------|----------------|----------------|----------------|----------------|----|-----|
| EQ11M/ER08               | ER11          | ER08            | M13 x 0,75                              | 12             | 19             | 8              |                | 28 | M4  |
| EQ11/ER08                | ER11          | ER08            | M14 x 0,75                              | 12             | 20             | 8              |                | 28 | M4  |
| EQ11M/ER16M              | ER11          | ER16 #          | M13 x 0,75                              | 22             | 19             | 27             |                | 47 | -   |
| EQ11/ER16M               | ER11          | ER16 #          | M14 x 0,75                              | 22             | 20             | 27             |                | 47 | -   |
| EQ16M/ER08M              | ER16          | ER08            | M19 x 1                                 | 12             | SW22           | 27             | 30             | 48 | M8  |
| EQ16/ER08M               | ER16          | ER08            | M22 x 1,5                               | 12             | 28             | 27             | 30             | 48 | M8  |
| EQ16M/ER08ML             | ER16          | ER08            | M19 x 1                                 | 12             | SW22           | 44             | 47             | 66 | M8  |
| EQ16/ER08ML              | ER16          | ER08            | M22 x 1,5                               | 12             | 28             | 44             | 47             | 66 | M8  |
| EQ16M/ER11M              | ER16          | ER11            | M19 x 1                                 | 16             | SW22           | 16             | 19             | 38 | M8  |
| EQ16/ER11M               | ER16          | ER11            | M22 x 1,5 *                             | 16             | 28             | 16             | 19             | 38 | M8  |
| EQ16M/ER11ML             | ER16          | ER11            | M19 x 1                                 | 16             | SW22           | 32             | 35             | 53 | M8  |
| EQ16/ER11ML              | ER16          | ER11            | M22 x 1,5 *                             | 16             | 28             | 32             | 35             | 53 | M8  |
| EQ16M/ER11MXL            | ER16          | ER11            | M19 x 1                                 | 16             | SW22           | 53             | 56             | 75 | M8  |
| EQ16/ER11MXL             | ER16          | ER11            | M22 x 1,5 *                             | 16             | 28             | 53             | 56             | 75 | M8  |
| EQ20M/ER11M              | ER20          | ER16            | M24 x 1                                 | 16             | 28             | 22             | 25             | 47 | M8  |
| EQ20/ER11M               | ER20          | ER16            | M25 x 1,5                               | 16             | 35             | 22             | 25             | 47 | M8  |
| EQ20M/ER16M              | ER20          | ER16            | M24 x 1                                 | 22             | 28             | 22             | 25             | 48 | M10 |
| EQ20/ER16M               | ER20          | ER16            | M25 x 1,5                               | 22             | 35             | 22             | 25             | 48 | M10 |

Incl. Überwurfmutter

\* Auch mit Mutter M22x1,25 (für TORNOS AS14/SAS16)

# Vergrößerung auf ER16

\*\* Zur Aufnahme von Zange und Säge (Bild 2)

Supplied with cap nut

\* Also available with M22x1,25 (for TORNOS AS14 / SAS16)

# Increases ER11 to ER16

\*\* For collet and milling cutter (Bild 2)

**Überwurfmuttern s. 1.3**

**Cap Nuts see 1.3**

*Tap Holders*



Gewindeschneidfutter

**5.1**

*Double Ended Tap Holders*



Doppel-Gewindeschneidfutter

**5.2**

- |      |                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------|
| 1, 2 | Gewindeschneidfutter ER, kugelgelagert<br><i>Tap Holders ER, Ball Bearing Guided</i>                                                     |
| 3, 4 | Gewindeschneidfutter ER M, kleine Baumaße<br><i>Tap Holders ER M, Extremely Small Dimensions</i>                                         |
| 5    | Gewindeschneidfutter ER / ER M für STAR<br><i>Tap Holders STAR</i>                                                                       |
| 6    | Gewindeschneidfutter mit innerer Kühlmittelzufuhr<br><i>Tap Holders with Inner Coolant</i>                                               |
| 7    | Gewindeschneidfutter ER, mit Sechskantführung<br><i>Tap Holders ER, Hexagon Guidance</i>                                                 |
| 8    | Gewindeschneidfutter ER, überlaufend, für Rechts- + Linksgewinde<br><i>Tap Holders ER with Releasing, for Right and Left Hand Thread</i> |
| 8, 9 | Gewindebohrerhalter, für Rechts- + Linksgewinde<br><i>Tap Holders with Releasing, for Right and Left Hand Thread</i>                     |

## Technische Informationen

## Technical Information

- Alle Gewindeschneidfutter werden incl. Standard-Mutter geliefert
- Gewindeschneidfutter mit "AK" werden incl. abgedichteter Mutter (System Rego-fix) geliefert.
- Abkürzungen bei den Halter-Bezeichnungen siehe auch Technische Informationen zu Kap. 2.1
- Siehe auch Kap. 1.1:  
Gewindebohrspannzangen (S. 5)  
und  
Spannzangen mit Längenausgleich (S. 7)

- *All tap holders will be supplied with clamping Nut (standard)*
- *Tap holders with "AK" will be supplied with sealed nut type Rego-fix*
- *See also chapter 1.1:  
Tapping collets  
and  
Tapping collets with length adjustment*

# 5.1 - 1

## Gewindeschneidfutter Tap Holders

### 5

Gewindeschneidfutter  
Schneideisenhalter  
Tap Holders  
Die Holders

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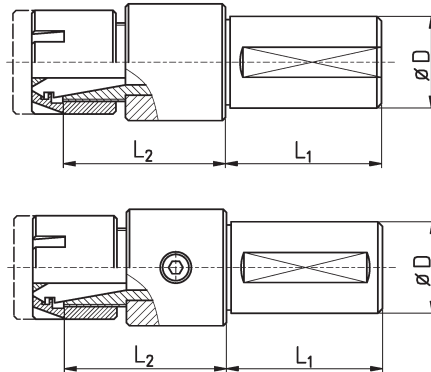
**Gewindeschneidfutter ER20M ER25M**  
kugellagert

**Tap Holders ER20M ER25M**  
Ball Bearing Guided

Ausführungen:  
Versions:

WD: Spannfläche durchgehend  
WD: Clamping flat throughout

FL: Spannfläche abgesetzt  
FL: Enclosed clamping flat

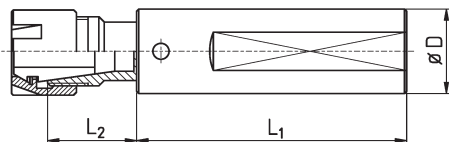


| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> |
|--------------------------|-----------------|----|----------------|----------------|
| GKM201650FL DZ           | ER20            | 16 | 50             | 47             |
| GKM201650FL              | ER20            | 16 | 50             | 47             |
| GKM202032FL              | ER20            | 20 | 32             | 47             |
| GKM202050                | ER20            | 20 | 50             | 47             |
| GKM202050FL DZ           | ER20            | 20 | 50             | 47             |
| GKM202050FL              | ER20            | 20 | 50             | 47             |
| GKM202050FL              | ER20            | 20 | 50             | 47             |
| GKM2020100FL             | ER20            | 20 | 100            | 47             |
| GKM202550WD              | ER20            | 25 | 50             | 47             |
| GKM202555FL DZ           | ER20            | 25 | 55             | 47             |
| GKM202555FL DZ           | ER20            | 25 | 55             | 47             |
| GKM202575FL              | ER20            | 25 | 75             | 47             |
| GKM2025100WD DZ          | ER20            | 25 | 100            | 47             |
| GKM2025100WD             | ER20            | 25 | 100            | 47             |
| GKM2025120WD             | ER20            | 25 | 120            | 47             |

| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> |
|--------------------------|-----------------|----|----------------|----------------|
| GKM251650FL DZ           | ER25            | 16 | 50             | 45             |
| GKM251650FL              | ER25            | 16 | 50             | 45             |
| GKM252032FL              | ER25            | 20 | 32             | 45             |
| GKM252050                | ER25            | 20 | 50             | 45             |
| GKM252050FL DZ           | ER25            | 20 | 50             | 45             |
| GKM252050FL              | ER25            | 20 | 50             | 45             |
| GKM252050FL              | ER25            | 20 | 50             | 45             |
| GKM2520100FL             | ER25            | 20 | 100            | 45             |
| GKM252550WD              | ER25            | 25 | 50             | 45             |
| GKM252555FL DZ           | ER25            | 25 | 55             | 45             |
| GKM252555FL DZ           | ER25            | 25 | 55             | 45             |
| GKM252575FL              | ER25            | 25 | 75             | 45             |
| GKM2525100WD DZ          | ER25            | 25 | 100            | 45             |
| GKM2525100WD             | ER25            | 25 | 100            | 45             |
| GKM2525120WD             | ER25            | 25 | 120            | 45             |

**Gewindeschneidfutter ER08M ER11M**  
extrem kleine Baumaße, präzise Führung

**Tap Holders ER08M ER11M**  
Extremely Small Dimensions, Precisely Guided



| Bestell-Nr.<br>order-no. | Zange<br>collet | D  | L <sub>1</sub> | L <sub>2</sub> | Auszug<br>pullout | Bereich<br>range | Mutter<br>nut |
|--------------------------|-----------------|----|----------------|----------------|-------------------|------------------|---------------|
| GFM081640WD              | ER08            | 16 | 40             | 10             | 7                 | M1 - M6          | ER08M         |
| GFM081650WD              | ER08            | 16 | 50             | 10             | 7                 | M1 - M6          | ER08M         |
| GFM111640WD              | ER11            | 16 | 40             | 18             | 7                 | M1 - M8          | ER11M         |
| GFM111650WD              | ER11            | 16 | 50             | 18             | 7                 | M1 - M8          | ER11M         |

# 5.1 - 3

## Gewindeschneidfutter Tap Holders

# 5

Gewindeschneidfutter  
Schneideisenhalter  
Tap Holders  
Die Holders

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Spannzeuge GmbH

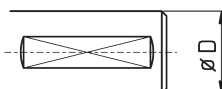
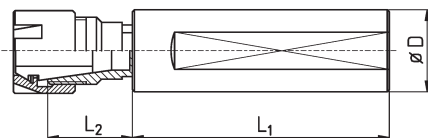
**Gewindeschneidfutter ER11M ER16M ER20M**  
extrem kleine Baumaße, Sechskantführung

**Tap Holders ER11M ER16M ER20M**  
Extremely Small Dimensions, Hexagon Guidance

Ausführungen:  
Versions:

WD: Spannfläche durchgehend  
WD: Clamping flat throughout

FL: Spannfläche abgesetzt  
FL: Enclosed clamping flat



| Halter<br>Holder         |      |                | Zange ER11<br>collet ER11 |                  |               | Zange ER16<br>collet ER16 |                  |               | Zange ER20<br>collet ER20 |                  |               |
|--------------------------|------|----------------|---------------------------|------------------|---------------|---------------------------|------------------|---------------|---------------------------|------------------|---------------|
| Bestell-Nr.<br>order-no. | D    | L <sub>1</sub> | L <sub>2</sub>            | Bereich<br>range | Mutter<br>nut | L <sub>2</sub>            | Bereich<br>range | Mutter<br>nut | L <sub>2</sub>            | Bereich<br>range | Mutter<br>nut |
| GSM**1938FL              | 3/4" | 38             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**1970FL              | 3/4" | 70             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**19120FL             | 3/4" | 120            | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**19120               | 3/4" | 120            | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**1950FL              | 3/4" | 50             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**1950                | 3/4" | 50             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**2038FL              | 20   | 38             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**2050FL              | 20   | 50             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**2070FL              | 20   | 70             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**2638FL              | 1"   | 38             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**2650FL              | 1"   | 50             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**2670FL              | 1"   | 70             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**2680FL              | 1"   | 80             | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |
| GSM**26125FL             | 1"   | 125            | 10                        | M1 - M6          | ER11M         | 27                        | M1 - M8          | ER16M         | 32                        | M2 - M16         | ER20M         |

Bestell-Nr.: \*\* wird ersetzt durch die Nenngröße der gewünschten Zangenhalterung (11 / 16 od. 20)  
order-no.: \*\* To be replaced by the collet-no. of the collet holder (11 / 16 or. 20)



**Doppel-Gewindeschneidfutter**  
beidseitiger Auszug, für CNC-Maschinen mit  
Abgreifspindel (ATAK, CITIZEN, MANUHRIN, STAR)

**Double Ended Tap Holders**  
Non Reversing Both Ends for CNC-Machines with  
Sub Spindle (ATAK, CITIZEN, MANUHRIN, STAR)

| Einsätze - inserts   |                 |                                 |                  |               |    |                   |                      |
|----------------------|-----------------|---------------------------------|------------------|---------------|----|-------------------|----------------------|
| Bezeichnung<br>title | Zange<br>collet | L <sub>2</sub> / L <sub>3</sub> | Bereich<br>range | Mutter<br>nut | A  | Gewinde<br>thread | Schlüssel<br>spanner |
| U11                  | ER11            | 9                               | M1 - M6          | UM/ER11       | 19 | M14x0,75          | GS17                 |
| M11                  | ER11            | 10                              | M1 - M6          | ER11M         | 16 | M13x0,75          | E11M                 |
| U16                  | ER16            | 19                              | M1 - M8          | UM/ER16       | 28 | M22x1,5           | GS25                 |
| M16                  | ER16            | 19                              | M1 - M8          | ER16M         | 22 | M19x1             | E16M                 |

Beliebige Kombinationsmöglichkeiten - *Any possible combinations:*

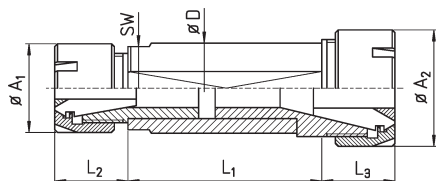
z. B. 2 gleiche Zangen (und Muttern)  
*For example 2 identical collets (and nuts)*

oder unterschiedliche Zangen und Muttern:  
*or different collets and nuts:*



Beispiel - *example:*

Halter mit  $\varnothing 22 + L = 40 \text{ mm} = 2240$   
*holder with*



Einsatz - *insert* 1:

Zange *collet* ER11  
= M11  
Mutter *nut* ER11M

Einsatz - *insert* 2:

Zange *collet* ER16  
= M16  
Mutter *nut* ER16M

| Halter - holders     |    |                |    |
|----------------------|----|----------------|----|
| Bezeichnung<br>title | D  | L <sub>1</sub> | SW |
| 2048FL               | 20 | 48             | -  |
| 2055FL               | 20 | 55             | 17 |
| 2060FL               | 20 | 60             | 17 |
| 2240                 | 22 | 40             | -  |
| 2246FL               | 22 | 46             | -  |
| 2248FL               | 22 | 48             | -  |
| 2257WD               | 22 | 57             | -  |
| 2260FL               | 22 | 60             | 17 |
| 2275FL               | 22 | 75             | 17 |
| 2285FL               | 22 | 85             | 17 |
| 2295WD               | 22 | 95             | 17 |
| 22100WD              | 22 | 100            | -  |

Bestell-Schlüssel - *Key to order:*

| GD | Einsatz 1<br><i>insert 1</i> | Einsatz 2<br><i>insert 2</i> | Halter<br><i>holder</i> |
|----|------------------------------|------------------------------|-------------------------|
|----|------------------------------|------------------------------|-------------------------|

=> Bestell-Nr. - *order-no.:*

GD M11 M16 2240

Alle Gewindeschneidfutter werden incl. Standard-Mutter geliefert - *all tap holders will be supplied with clamping Nut (standard)*  
Auf alle Doppel-Gewindeschneidfutter passen unsere Schneideisenköpfe - *all double tap holders can be also used for button die holders*

## 5.2 - 2

### Doppel-Gewindeschneidfutter Double Ended Tap Holders

## 5

Gewindeschneidfutter  
Schneideisenhalter  
Tap Holders  
Die Holders

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#### Zangenspannfutter-Gewindeschneidfutter

1. Seite: Feste Zangenaufnahme
2. Seite: Gewindeschneidfutter

#### Collet Holders-Tap Holders

- Side 1: Drill Holder  
Side 2: Tap Holder

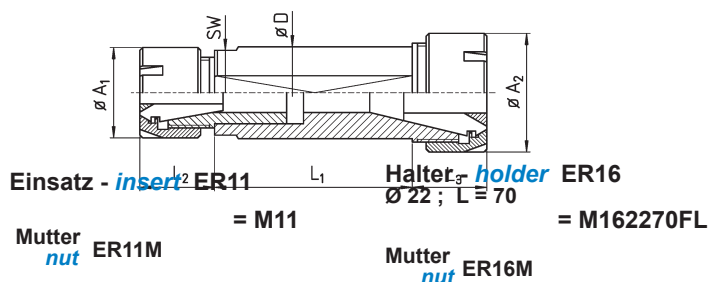
#### Einsätze - inserts

| Bezeichnung<br>title | Zange<br>collet | L <sub>2</sub> | Bereich<br>range | Mutter<br>nut | A  | Gewinde<br>thread | Schlüssel<br>spanner |
|----------------------|-----------------|----------------|------------------|---------------|----|-------------------|----------------------|
| U11                  | ER11            | 9              | M1 - M6          | UM/ER11       | 19 | M14x0,75          | GS17                 |
| M11                  | ER11            | 10             | M1 - M6          | ER11M         | 16 | M13x0,75          | E11M                 |
| U16                  | ER16            | 19             | M1 - M8          | UM/ER16       | 28 | M22x1,5           | GS25                 |
| M16                  | ER16            | 19             | M1 - M8          | ER16M         | 22 | M19x1             | E16M                 |

Jeder Halter kann mit jedem Einsatz kombiniert werden

*Each holder can be combined with each insert*

Beispiel - *example*:



Bestell-Schlüssel - *key to order*:

|    |                          |                         |
|----|--------------------------|-------------------------|
| GE | Einsatz<br><i>insert</i> | Halter<br><i>holder</i> |
|----|--------------------------|-------------------------|

==> Bestell-Nr. - *order-no.*:

GEM11M162270FL

#### Halter - holders

##### feste Seite - drill holder

| Bezeichnung<br>title | Zange<br>collet | Mutter<br>nut | D  | L <sub>1</sub> | L <sub>3</sub> | SW |
|----------------------|-----------------|---------------|----|----------------|----------------|----|
| M111630WD            | ER11            | ER11M         | 16 | 30             | 13             | -  |
| M111640WD            | ER11            | ER11M         | 16 | 30             | 13             | -  |
| M162050FL            | ER16            | ER16M         | 20 | 50             | 16             | -  |
| M162070FL            | ER16            | ER16M         | 20 | 70             | 16             | -  |
| M162250FL            | ER16            | ER16M         | 22 | 50             | 16             | -  |
| M162270FL            | ER16            | ER16M         | 22 | 70             | 16             | -  |
| M1622100FL           | ER16            | ER16M         | 22 | 100            | 16             | -  |
| M1622120FL           | ER16            | ER16M         | 22 | 120            | 16             | -  |
| U112032FL            | ER11            | UM/ER11       | 20 | 32             | 13             | -  |
| U112055FL            | ER11            | UM/ER11       | 20 | 55             | 13             | -  |
| U112255FL            | ER11            | UM/ER11       | 22 | 55             | 13             | -  |

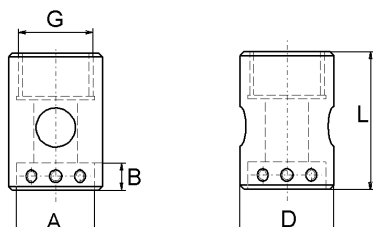
**Schneideisenkappen, extra kurz**  
für Gewindebohrfutter ER11, ER11M

**Button Die Holders, Extra Short**  
for Tapping Holders ER11, ER11M

Besonders schlanke und kurze Form

*Very slim and short version*

Keine Kontermutter nötig - *No counternut necessary*  
eingearbeitete Sicherungsschrauben - *Lock screw included*



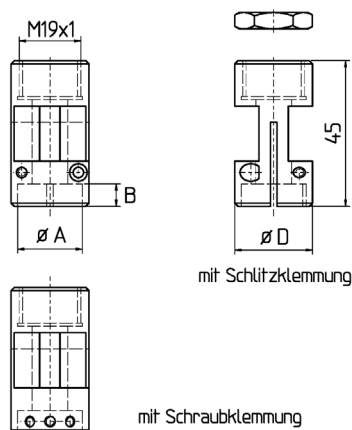
| Bestell-Nr.<br>order-no. | A  | B  | D  | L  | Gewinde<br>thread | max. Gew.länge<br>max. thread length |
|--------------------------|----|----|----|----|-------------------|--------------------------------------|
| SK11MK-08                | 08 | 3  | 22 | 23 | M13x0,75          |                                      |
| SK11MK-12                | 12 | 4  | 22 | 23 | M13x0,75          |                                      |
| SK11MK-16                | 16 | 5  | 22 | 23 | M13x0,75          | 32                                   |
| SK11MK-20                | 20 | 7  | 27 | 25 | M13x0,75          | 34                                   |
| SK11MK-25                | 25 | 9  | 32 | 30 | M13x0,75          | 39                                   |
| SK11MK-30                | 30 | 11 | 40 | 30 | M13x0,75          |                                      |
| SK11K-08                 | 8  | 3  | 22 | 23 | M14x0,75          |                                      |
| SK11K-12                 | 12 | 4  | 22 | 23 | M14x0,75          |                                      |
| SK11K-16                 | 16 | 5  | 22 | 23 | M14x0,75          | 32                                   |
| SK11K-20                 | 20 | 7  | 27 | 25 | M14x0,75          | 34                                   |
| SK11K-25                 | 25 | 9  | 32 | 30 | M14x0,75          | 39                                   |

**Schneideisenkappen**  
für Gewindebohrfutter ER16M

**Button Die Holders**  
for Tapping Holders ER16M

Lange Ausführung - *Long version*

besonders schlanke Form - *Slim dimensions*



| Bestell-Nr.<br>order-no. | A  | B   | D  | Gewinde<br>thread | max. Gew.länge<br>max. thread length |
|--------------------------|----|-----|----|-------------------|--------------------------------------|
| SKS16M-16*               | 16 | 5   | 25 | M19x1             | 56                                   |
| SKS16M-20*               | 20 | 7   | 27 | M19x1             | 56                                   |
| SK16M-16A                | 16 | 3,5 | 25 | M19x1             | 56                                   |
| SK16M-16                 | 16 | 5   | 25 | M19x1             | 56                                   |
| SK16M-20A                | 20 | 5   | 27 | M19x1             | 56                                   |
| SK16M-20                 | 20 | 7   | 27 | M19x1             | 56                                   |
| SK16M-25                 | 25 | 9   | 33 | M19x1             | 56                                   |
| SK16M-30                 | 30 | 11  | 39 | M19x1             | 56                                   |
| SK16M-38A                | 38 | 10  | 48 | M19x1             | 56                                   |

**ESM16M**

**Kontermutter - counter nut**

Alle Halter sind auch für Rolleisen geeignet

*All button die holders suitable for rolling dies*

\* = mit Schlitzklemmung - *with split clamping*

## 5.4 - 2

### Schneideisenkappen Button Die Holders

## 5

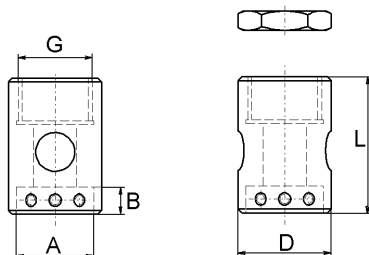
Gewindeschneidfutter  
Schneideisenhalter  
Tap Holders  
Die Holders

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Spannzeuge GmbH

**Schneideisenkappen, extra - kurz**  
für Gewindebohrfutter ER16M

**Button Die Holders, extra short**  
for Tapping Holders ER16M

Besonders schlanke und kurze Form  
*Slim and short version*



| Bestell-Nr.<br>order-no. | A  | B   | D  | L  | Gewinde<br>thread | max. Gew.länge<br>max. thread length |
|--------------------------|----|-----|----|----|-------------------|--------------------------------------|
| SK16MK-16A               | 16 | 3,5 | 22 | 23 | M19x1             | 37                                   |
| SK16MK-16                | 16 | 5   | 22 | 23 | M19x1             | 37                                   |
| SK16MK-20A               | 20 | 5   | 27 | 25 | M19x1             | 39                                   |
| SK16MK-20                | 20 | 7   | 27 | 25 | M19x1             | 39                                   |
| SK16MK-25                | 25 | 9   | 32 | 30 | M19x1             | 42                                   |
| SK16MK-30                | 30 | 11  | 39 | 30 | M19x1             | 42                                   |

ESM16M

Kontermutter - counter nut

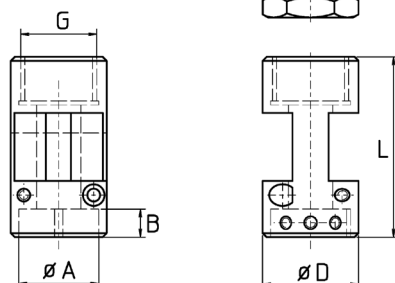
Alle Halter sind auch für Rolleisen geeignet  
*All button die holders suitable for rolling dies*

## 5

**Schneideisenkappen**  
für Gewindebohrfutter ER20

**Button Die Holders**  
for Tapping Holders ER20

Besonders schlanke Form  
*Very slim version*



| Bestell-Nr.<br>order-no. | A  | B  | D  | L  | Gewinde<br>thread | max. Gew.länge<br>max. thread length |
|--------------------------|----|----|----|----|-------------------|--------------------------------------|
| SK20-16B                 | 16 | 5  | 23 | 45 | M25x1,5           | 70                                   |
| SK20-20B                 | 20 | 7  | 29 | 45 | M25x1,5           | 66                                   |
| SK20-25                  | 25 | 9  | 34 | 45 | M25x1,5           | 65                                   |
| SK20-30B                 | 30 | 11 | 40 | 45 | M25x1,5           | 60                                   |
| SK20-38B                 | 38 | 14 | 48 | 45 | M25x1,5           |                                      |
| SK20-45B                 | 45 | 14 | 55 | 60 | M25x1,5           |                                      |

ESM20

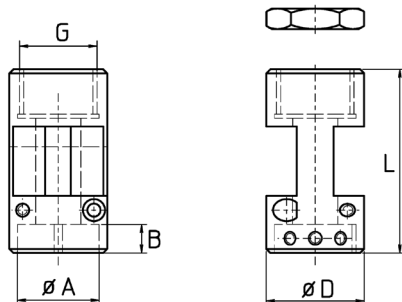
Kontermutter - counter nut

Alle Halter sind auch für Rolleisen geeignet  
*All button die holders suitable for rolling dies*

**Schneideisenkappen**  
für Gewindebohrfutter ER20M

**Button Die Holders**  
for Tapping Holders ER20M

Besonders schlanke Form - *Very slim version*



| Bestell-Nr.<br>order-no. | A  | B  | D    | L  | Gewinde<br>thread | max. Gew.länge<br>max. thread length |
|--------------------------|----|----|------|----|-------------------|--------------------------------------|
| SK20M-16B                | 16 | 5  | 23   | 45 | M24x1             | 70                                   |
| SK20M-20                 | 20 | 7  | 32,5 | 45 | M24x1             | 66                                   |
| SK20M-20B                | 20 | 7  | 29   | 45 | M24x1             | 66                                   |
| SK20M-25                 | 25 | 9  | 34   | 45 | M24x1             | 65                                   |
| SK20M-30B                | 30 | 11 | 40   | 45 | M24x1             | 60                                   |

ESM20M

Kontermutter - counter nut

Alle Halter sind auch für Rolleisen geeignet  
*All button die holders suitable for rolling dies*

- 1**      **Pendelhalter ER, einstellbar**  
          *Adjustable Reamer Holders ER*
- 2, 3**    **Pendelhalter ER mit innerer Kühlmittelzufuhr**  
          *Reamer Holders ER with Inner Coolant*
- 4 - 5**   **Pendelhalter ER, besonders schlanke Bauform**  
          *Adjustable Reamer Holders ER, Extra Slim Type*

**Technische Informationen**

**Technical Information**

- Pendelhalter können zum Ausgleich von Fluchtungsfehlern auch für starres Gewindebohren auf CNC-Werkzeugmaschinen eingesetzt werden
- Alle Pendelhalter werden incl. Standard-Mutter geliefert
- Pendelhalter mit "AK" werden incl. abgedichteter Mutter (System Rego-fix) geliefert.
- Abkürzungen bei den Halter-Bezeichnungen siehe auch Technische Informationen zu Kap. 2.1
- Bei Haltern mit Kühlmittelanschluss:  
IK = axialer Kühlmittelanschluss  
AK = seitlicher (radialer) Kühlmittelanschluss  
  
Gewinde des Kühlmittelanschlusses:  
AK0 = M12x1,5  
AK1 = G1/8"  
AK2 = M8x1  
AK3 = M10x1  
  
Alle Halter AK0 können auf AK1 - AK3 reduziert werden
- Einstellen des Freipendelns bei Haltern mit dieser Option:
  - Schwarze Schrauben auf der vorderen Stirnseite leicht lösen.
  - Blanke Schraube ganz herausdrehen. Unter dieser befindet sich die Lochung zum Einstellen des Freipendelns.
  - Ist die gewünschte Einstellung erreicht, alle Schrauben wieder anziehen
- Siehe auch Kap. 1.1:  
Spannzangen mit pendelndem Ausgleich (S. 1)

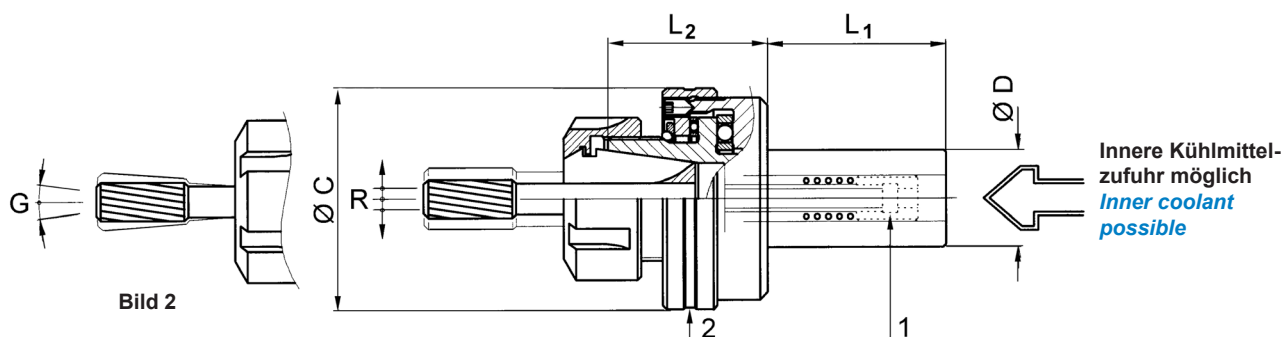
- *Reamer holders could be used for compensate misalignment while tapping on CNC-machines*
- *All reamer holders will be supplied with clamping Nut (standard)*
- *Reamer holders with "AK" will be supplied with sealed nut type Rego-fix*
- *Abbreviations for holders see technical Informations chapter 2.1*
- *Holders with inner coolant inlet:  
IK = axial coolant inlet  
AK= radial coolant inlet*  
  
*Thread of coolant inlet:  
AK0 = M12x1,5  
AK1 = G1/8"  
AK2 = M8x1  
AK3 = M10x1*  
  
*All holders with coolant inlet AK0 can be reduced to AK1 - AK3*
- *Adjusting of axial float:  
- Release frontal black screws  
- Silver screw has to be removed completely.  
Below this screw is the boring to adjust  
- After adjusting tighten all screws*
- *See also chapter 1.1:  
Floating Reamer Collets (S. 1)*

#### Pendelhalter, einstellbar mit Zangenspannung

#### Adjustable Reamer Holders

- Einsatz: Freipendelnd und parallelpendelnd s. techn. Informationen S.1
- Kann auch zum Ausgleich von Fluchtungsfehlern für starres Gewindebohren auf CNC-Werkzeugmaschinen eingesetzt werden
- Die Zentrierkraft (abhängig von der Größe der Reibahle) kann über Schraube 1 eingestellt werden
- Freipendeln (Bild 2) über Mutter 2 einstellbar
- Incl. Standardmutter

- Axial and parallel floating
- See technical information page 1
- Screw (1) adjusts spring pressure, giving parallel float adjustment
- Nut (2) adjusts axial float (Bild 2)
- Incl. standard nut



6

| Bestell-Nr.<br>order-no. | Zange<br>collet | Mutter<br>nut | D  | C  | L <sub>1</sub> | L <sub>2</sub> | R |
|--------------------------|-----------------|---------------|----|----|----------------|----------------|---|
| V155.716 *               | ER11            | ER11A         | 16 | 42 | 46             | 34             | 1 |
| V155.720 *               | ER11            | ER11A         | 20 | 42 | 46             | 34             | 1 |
| V155.722 *               | ER11            | ER11A         | 22 | 42 | 46             | 34             | 1 |
| V155.725 *               | ER11            | ER11A         | 25 | 42 | 46             | 34             | 1 |
| V155.016                 | ER16            | UM/ER16       | 16 | 42 | 46             | 33             | 1 |
| V155.020                 | ER16            | UM/ER16       | 20 | 42 | 46             | 33             | 1 |
| V155.022                 | ER16            | UM/ER16       | 22 | 42 | 46             | 33             | 1 |
| V155.025                 | ER16            | UM/ER16       | 25 | 42 | 46             | 33             | 1 |
| V155.116                 | ER20            | UM/ER20       | 16 | 50 | 46             | 39             | 1 |
| V155.120                 | ER20            | UM/ER20       | 20 | 50 | 46             | 39             | 1 |
| V155.125                 | ER20            | UM/ER20       | 25 | 50 | 46             | 39             | 1 |

| Bestell-Nr.<br>order-no. | Zange<br>collet | Mutter<br>nut | D  | C  | L <sub>1</sub> | L <sub>2</sub> | R   |
|--------------------------|-----------------|---------------|----|----|----------------|----------------|-----|
| V155.216                 | ER25            | UM/ER25       | 16 | 57 | 46             | 41             | 1   |
| V155.220                 | ER25            | UM/ER25       | 20 | 57 | 46             | 41             | 1   |
| V155.222                 | ER25            | UM/ER25       | 22 | 57 | 46             | 41             | 1   |
| V155.225                 | ER25            | UM/ER25       | 25 | 57 | 46             | 41             | 1   |
| V155.232                 | ER25            | UM/ER25       | 32 | 57 | 46             | 41             | 1   |
| V155.325                 | ER32            | UM/ER32       | 25 | 69 | 50             | 45             | 1,5 |
| V155.332                 | ER32            | UM/ER32       | 32 | 69 | 50             | 45             | 1,5 |
| V155.425                 | ER40            | UM/ER40       | 25 | 79 | 50             | 49             | 1,5 |
| V155.432                 | ER40            | UM/ER40       | 32 | 79 | 50             | 49             | 1,5 |

\* Halter mit Außengewinde-Mutter ER11A (s. Kap. 1.3-1)

\* Holder with external thread nuts ER11A (see chapter 1.3-1)

## 6.1 - 1

### Pendelhalter Reamer Holders

## 6

### Pendelhalter Reamer Holders

**BRITSCH**  
Spannzeuge GmbH

#### Pendelhalter ER11 mit Kühlmittelanschluss

#### Reamer Holders ER11 with Inner Coolant

- 1 mm Pendelweg in alle Richtungen
- Sehr schmal gebaut
- Exakt paralleles Pendeln
- Selbstzentrierend
- Kein Abkippen möglich
- Incl. Standardmutter ER11M

- 1 mm float in all directions
- Compact dimensions
- Self-centring
- Non tilting possible
- Incl. standard nut ER11M

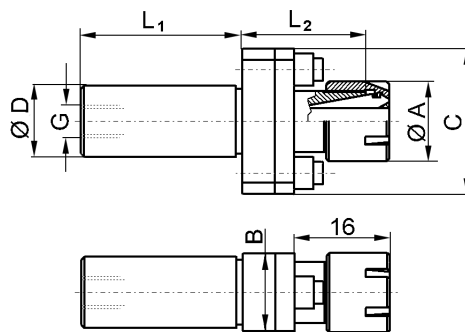
| Bestell-Nr.<br>order-no. | D  | C  | B  | L <sub>1</sub> | L <sub>2</sub> | G     |
|--------------------------|----|----|----|----------------|----------------|-------|
| PH111650IK               | 16 | 45 | 24 | 50             | 32             | G1/8" |
| PH111680IK               | 16 | 45 | 24 | 80             | 32             | G1/8" |
| PH112050IK               | 20 | 45 | 24 | 50             | 32             | G1/8" |
| PH112070IK               | 20 | 45 | 24 | 70             | 32             | G1/8" |
| PH112250IK               | 22 | 45 | 24 | 50             | 32             | G1/8" |
| PH112270IK               | 22 | 45 | 24 | 70             | 32             | G1/8" |
| PH1122120IK              | 22 | 45 | 24 | 120            | 32             | G1/8" |
| PH112550IK               | 25 | 45 | 24 | 50             | 32             | G1/8" |
| PH112570IK               | 25 | 45 | 24 | 70             | 32             | G1/8" |
| PH1125140IK              | 25 | 45 | 24 | 140            | 32             | G1/8" |
| PH111650AK1              | 16 | 45 | 24 | 50             | 40             | G1/8" |
| PH112050AK1              | 20 | 45 | 24 | 50             | 37             | G1/8" |
| PH112225AK1              | 22 | 45 | 24 | 25             | 37             | G1/8" |
| PH112250AK1              | 22 | 45 | 24 | 50             | 37             | G1/8" |
| PH112550AK1              | 25 | 45 | 24 | 50             | 42             | G1/8" |
| PH112570AK1              | 25 | 45 | 24 | 70             | 42             | G1/8" |
| PH1125140AK1             | 25 | 45 | 24 | 140            | 37             | G1/8" |



Ausführung IK



Ausführung AK





### Pendelhalter ER16 mit Kühlmittelanschluss

### Reamer Holders ER16 with Inner Coolant

- 1 mm Pendelweg in alle Richtungen
- Sehr schmal gebaut
- Exakt paralleles Pendeln
- Selbstzentrierend
- Kein Abkippen möglich
- Incl. Standardmutter ER16M

- 1 mm float in all directions
- Compact dimensions
- Self-centreing
- Non tilting possible
- Incl. standard nut ER16M

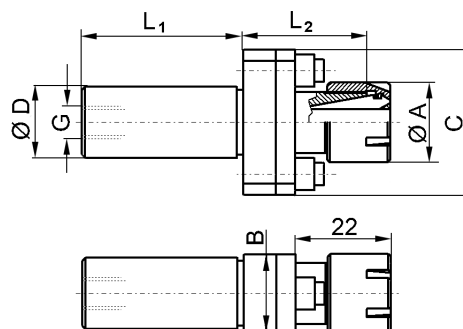
| Bestell-Nr.<br>order-no. | D  | B  | C  | L <sub>1</sub> | L <sub>2</sub> | G     |
|--------------------------|----|----|----|----------------|----------------|-------|
| PH161650IK               | 16 | 45 | 24 | 50             | 32             | G1/8" |
| PH161680IK               | 16 | 45 | 24 | 80             | 32             | G1/8" |
| PH162050IK               | 20 | 45 | 24 | 50             | 32             | G1/8" |
| PH162070IK               | 20 | 45 | 24 | 70             | 32             | G1/8" |
| PH162250IK               | 22 | 45 | 24 | 50             | 32             | G1/8" |
| PH162270IK               | 22 | 45 | 24 | 70             | 32             | G1/8" |
| PH1622120IK              | 22 | 45 | 24 | 120            | 32             | G1/8" |
| PH162550IK               | 25 | 45 | 24 | 50             | 32             | G1/8" |
| PH162570IK               | 25 | 45 | 24 | 70             | 32             | G1/8" |
| PH1625140IK              | 25 | 45 | 24 | 140            | 32             | G1/8" |
| PH161650AK1              | 16 | 45 | 24 | 50             | 40             | G1/8" |
| PH162050AK1              | 20 | 45 | 24 | 50             | 37             | G1/8" |
| PH162225AK1              | 22 | 45 | 24 | 25             | 37             | G1/8" |
| PH162250AK1              | 22 | 45 | 24 | 50             | 37             | G1/8" |
| PH162550AK1              | 25 | 45 | 24 | 50             | 42             | G1/8" |
| PH162570AK1              | 25 | 45 | 24 | 70             | 42             | G1/8" |
| PH1625140AK1             | 25 | 45 | 24 | 140            | 37             | G1/8" |



Ausführung IK



Ausführung AK



## 6.1 - 3

### Pendelhalter Reamer Holders

## 6

### Pendelhalter Reamer Holders

**BRITSCH**  
Spannzeuge GmbH

#### Pendelhalter Typ EPM11

#### Reamer Holders Type EPM11

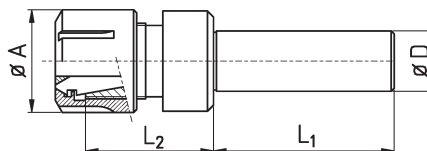
- 0,5 mm Pendelweg in alle Richtungen
- Mit extrem kleinen Baumaßen (z.B. für CNC Langdreher)
- Ideal für Reibahlen von 1 mm - 7 mm (nicht einstellbar)
- Incl. Standardmutter ER11M

- 0,5 mm float in all directions
- Very small dimensions (e.g. for CNC lathes)
- Perfect for reamers 1 mm - 7 mm (not adjustable)
- Incl. standard nut ER11M

Für STAR-Maschinen: SR16/20: EPM1116SR  
for STAR-machines SR20R: EPM1122SRR  
(Rückseitenbearbeitung) SR32: EPM1122SR  
(back working)

| Bestell-Nr.<br>order-no. | D  | L <sub>1</sub> | L <sub>2</sub> | Bereich<br>range | mit Bund<br>with stop collar |
|--------------------------|----|----------------|----------------|------------------|------------------------------|
| EPM111620BU              | 16 | 20             | 28             | 1 - 6            | X                            |
| EPM111670                | 16 | 70             | 16             | 1 - 7            |                              |
| EPM111670LBU             | 16 | 70             | 21             | 1 - 7            | X                            |
| EPM111670XLBU            | 16 | 70             | 26             | 1 - 7            | X                            |
| EPM112050                | 20 | 50             | 16             | 1 - 8            |                              |
| EPM112050FL              | 20 | 50             | 16             | 1 - 8            |                              |
| EPM112070FL              | 20 | 70             | 16             | 1 - 8            |                              |
| EPM1120120FLBU           | 20 | 120            | 28             | 1 - 8            | X                            |
| EPM112250FL              | 22 | 50             | 16             | 1 - 8            |                              |
| EPM112270FL              | 22 | 70             | 16             | 1 - 8            |                              |
| EPM112270FLBU            | 22 | 70             | 28             | 1 - 8            | X                            |
| EPM112538WD              | 25 | 38             | 16             | 1 - 8            |                              |
| EPM112550WD              | 25 | 46             | 16             | 1 - 8            |                              |
| EPM112580WD              | 25 | 80             | 16             | 1 - 8            |                              |
| EPM1125120FLBU           | 25 | 120            | 31             | 1 - 8            | X                            |

Schlüssel - **spanner**: E11M  
Reibahlen bevorzugt in kurzer Ausführung  
(Automatenausführung) wählen  
Use reamers in short dimensions



### Pendelhalter Typ EPM16

### Reamer Holders Type EPM16

- 0,5 mm Pendelweg in alle Richtungen
- Mit extrem kleinen Baumaßen (z.B. für CNC Langdreher)
- Ideal für Reibahlen von 1 mm - 8 mm (nicht einstellbar)
- Incl. Standardmutter ER16M

- 0,5 mm float in all directions
- Very small dimensions (e.g. for CNC lathes)
- Perfect for reamers 1 mm - 8 mm (not adjustable)
- Incl. standard nut ER16M

Für STAR-Maschinen: SR16/20: EPM1616SR  
 For STAR-machines SR20R: EPM1622SRR  
 (Rückseitenbearbeitung) SR32: EPM1622SR  
 (back working)



| Bestell-Nr.<br>order-no. | D  | L <sub>1</sub> | L <sub>2</sub> | Bereich<br>range | mit Bund<br>with stop collar |
|--------------------------|----|----------------|----------------|------------------|------------------------------|
| EPM161620BU              | 16 | 20             | 38             | 1 - 6            | X                            |
| EPM161670                | 16 | 70             | 26             | 1 - 7            |                              |
| EPM161670LB              | 16 | 70             | 31             | 1 - 7            | X                            |
| EPM161670XLB             | 16 | 70             | 36             | 1 - 7            | X                            |
| EPM162050                | 20 | 50             | 26             | 1 - 10           |                              |
| EPM162050FL              | 20 | 50             | 26             | 1 - 10           |                              |
| EPM162070FL              | 20 | 70             | 26             | 1 - 10           |                              |
| EPM1620120FLBU           | 20 | 120            | 38             | 1 - 10           | X                            |
| EPM162250FL              | 22 | 50             | 26             | 1 - 10           |                              |
| EPM162270FL              | 22 | 70             | 26             | 1 - 10           |                              |
| EPM162270FLBU            | 22 | 70             | 38             | 1 - 10           | X                            |
| EPM162538WD              | 25 | 40             | 26             | 1 - 10           |                              |
| EPM162550WD              | 25 | 46             | 26             | 1 - 10           |                              |
| EPM162580WD              | 25 | 80             | 26             | 1 - 10           |                              |
| EPM1625120FLBU           | 25 | 120            | 41             | 1 - 10           | X                            |

Schlüssel - *spanner*: E11M  
 Reibahlen bevorzugt in kurzer Ausführung  
 (Automatenaussführung) wählen  
*Use reamers in short dimensions*

**Achtung:**

Eine genaue Anleitung zum Arbeiten mit Räumhaltern und zum Einstellen senden wir Ihnen gerne per E-Mail

oder finden Sie unter:

[www.britsch-spannzeuge.de](http://www.britsch-spannzeuge.de)

-> Downloads

-> Anleitungen

**Caution:**

*If necessary a detailed instruction to work with broaching heads and to adjust them could be send by E-Mail*

*or have a look at:*

[www.britsch-spannzeuge.de](http://www.britsch-spannzeuge.de)

*-> Downloads*

*-> Instructions*

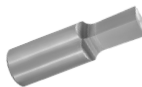
*Inside Broaching Heads*



**Innen-Räumhalter**

**7.1**

*Wobble Broaches*



**Räumdorne**

**7.2**

## 7.1 - 1

### Innen-Räumhalter Inside Broaching Heads

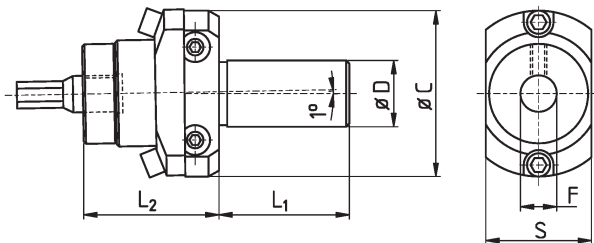
## 7

### Räumhalter, Räumdorne Broaching Heads, Wobble Broaches

**BRITSCH**  
Spannzeuge GmbH

Räumhalter, taumelnd, einstellbar

Broaching Heads, Adjustable

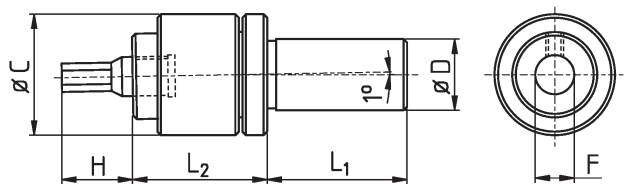


| Dorn - broach<br>Ø 8mm Länge variabel - length variable |    |                |                |    |   |    |
|---------------------------------------------------------|----|----------------|----------------|----|---|----|
| Bestell-Nr.<br>order-no.                                | D  | L <sub>2</sub> | L <sub>1</sub> | C  | F | S  |
| U175.112                                                | 12 | 35             | 35             | 50 | 8 | 30 |
| U175.116                                                | 16 | 35             | 40             | 50 | 8 | 30 |
| U175.120                                                | 20 | 35             | 50             | 50 | 8 | 30 |
| U175.120b                                               | 20 | 35             | 125            | 50 | 8 | 30 |
| U175.120c                                               | 20 | 35             | 30             | 50 | 8 | 30 |
| U175.125                                                | 25 | 35             | 50             | 50 | 8 | 30 |
| U175.125a                                               | 25 | 35             | 80             | 50 | 8 | 30 |
| U175.125b                                               | 25 | 35             | 125            | 50 | 8 | 30 |

| Dorn - broach<br>Ø 12 Länge variabel - length variable |    |                |                |    |    |      |
|--------------------------------------------------------|----|----------------|----------------|----|----|------|
| Bestell-Nr.<br>order-no.                               | D  | L <sub>2</sub> | L <sub>1</sub> | C  | F  | S    |
| U175.216                                               | 16 | 52             | 50             | 62 | 12 | 40,5 |
| U175.220                                               | 20 | 51,5           | 50             | 62 | 12 | 40,5 |
| U175.225                                               | 25 | 52             | 50             | 62 | 12 | 40,5 |
| U175.225b                                              | 25 | 52             | 125            | 62 | 12 | 40,5 |
|                                                        |    |                |                |    |    |      |
|                                                        |    |                |                |    |    |      |
|                                                        |    |                |                |    |    |      |
|                                                        |    |                |                |    |    |      |

### Räumhalter, taumelnd, fest

### Broaching Heads, Fixed

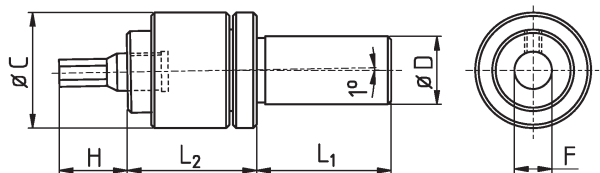


Dorn - broach: Ø 12 x 40mm

| Bestell-Nr.<br>order-no. | D  | L <sub>2</sub> | L <sub>1</sub> | C    | F  | H  |
|--------------------------|----|----------------|----------------|------|----|----|
| U175.716                 | 16 | 46             | 50             | 44   | 12 | 25 |
| U175.720                 | 20 | 46             | 50             | 43,5 | 12 | 25 |
| U175.725                 | 25 | 46             | 50             | 44   | 12 | 25 |
| U175.725FL               | 25 | 46             | 50             | 44   | 12 | 25 |
| U175.732                 | 32 | 46             | 50             | 44   | 12 | 25 |

### Räumhalter, taumelnd, fest

### Broaching Heads, Fixed



Dorn - broach: Ø 8 x 28mm (PCM)

| Bestell-Nr.<br>order-no. | D  | L <sub>2</sub> | L <sub>1</sub> | C  | F | H  |
|--------------------------|----|----------------|----------------|----|---|----|
| U175.612                 | 12 | 38             | 35             | 32 | 8 | 18 |
| U175.616                 | 16 | 38             | 35             | 33 | 8 | 18 |
| U175.620                 | 20 | 38             | 50             | 33 | 8 | 18 |
| U175.625                 | 25 | 38             | 50             | 33 | 8 | 18 |

## 7.2 - 1

### Räumdorner Wobble Broaches

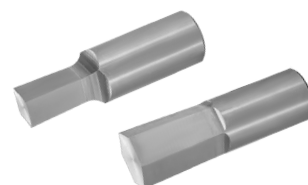
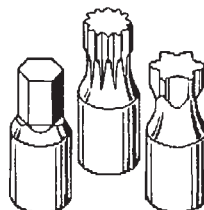
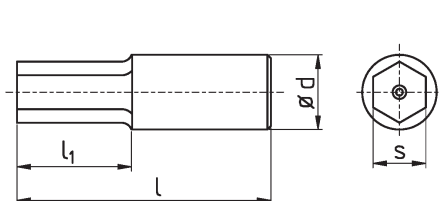
## 7

### Räumhalter, Räumdorner Broaching Heads, Wobble Broaches

**BRITSCH**  
Spannzeuge GmbH

#### Räumdorner

#### Wobble Broaches



S = Sechskant - *hexagonal*    V = Vierkant - *square*    T = Torx    K = Kernbohrung (Idealmaß) - *core drilling*  
Weitere Formen und Maße auf Anfrage - *Other shapes and sizes available on request*

| Bestell-Nr.<br>order-nr. | d | l  | l <sub>1</sub> | K    | S / V / T |
|--------------------------|---|----|----------------|------|-----------|
| V805.015S                | 5 | 20 | 5,5            | 1,53 | S1,5      |
| V805.020S                | 5 | 20 | 5,5            | 2,03 | S2        |
| V805.0238S               | 5 | 20 | 5,5            | 2,41 | S2,238    |
| V805.025S                | 5 | 20 | 5,5            | 2,53 | S2,5      |
| V805.030S                | 5 | 20 | 5,5            | 3,05 | S3        |
| V805.035S                | 5 | 20 | 5,5            | 3,55 | S3,5      |
| V805.040S                | 5 | 20 | 5,5            | 4,05 | S4        |
| V805.050S                | 5 | 20 | 5,5            | 5,08 | S5        |
| V805.060S                | 5 | 20 | 5,5            | 6,10 | S6        |
| V808.010S                | 8 | 30 | 3,0            | 1,02 | S1        |
| V808.012S                | 8 | 30 | 3,0            | 1,23 | S1,2      |
| V808.013S                | 8 | 30 | 3,0            | 1,33 | S1,3      |
| V808.015S                | 8 | 30 | 3,4            | 1,53 | S1,5      |
| V808.020S                | 8 | 30 | 5,4            | 2,03 | S2        |
| V808.025S                | 8 | 30 | 6,0            | 2,53 | S2,5      |
| V808.028S                | 8 | 30 | 6,0            | 2,83 | S2,8      |
| V808.030S                | 8 | 30 | 7,0            | 3,05 | S3        |
| V808.0317S               | 8 | 30 | 7,0            | 3,25 | S3,175    |
| V808.035S                | 8 | 30 | 7,3            | 3,55 | S3,5      |
| V808.040S                | 8 | 30 | 9,0            | 4,05 | S4        |
| V808.045S                | 8 | 30 | 9,0            | 4,55 | S4,5      |
| V808.0476S               | 8 | 30 | 9,0            | 4,80 | S4,76     |
| V808.050S                | 8 | 30 | 10,0           | 5,10 | S5        |
| V808.055S                | 8 | 30 | 10,0           | 5,60 | S5,5      |
| V808.060S                | 8 | 30 | 11,0           | 6,10 | S6        |
| V808.0635S               | 8 | 30 | 11,0           | 6,45 | S6,35     |
| V808.070S                | 8 | 30 | 11,0           | 7,10 | S7        |
| V808.080S                | 8 | 30 | 13,0           | 8,10 | S8        |

| Bestell-Nr.<br>order-nr. | d | l  | l <sub>1</sub> | K     | S / V / T |
|--------------------------|---|----|----------------|-------|-----------|
| V808.090S                | 8 | 30 | 13,0           | 9,1   | S9        |
| V808.0952S               | 8 | 30 | 13,0           | 9,62  | S9,52     |
| V808.100S                | 8 | 30 | 15,0           | 10,15 | S10       |
| V808.06T                 | 8 | 30 | 5,0            | 1,3   | T6        |
| V808.07T                 | 8 | 30 | 5,0            |       | T7        |
| V808.08T                 | 8 | 30 | 5,0            | 1,77  | T8        |
| V808.09T                 | 8 | 30 | 5,0            |       | T9        |
| V808.10T                 | 8 | 30 | 5,0            | 2,07  | T10       |
| V808.15T                 | 8 | 30 | 5,0            | 2,44  | T15       |
| V808.20T                 | 8 | 30 | 5,0            |       | T20       |
| V808.25T                 | 8 | 30 | 5,0            |       | T25       |
| V808.30T                 | 8 | 30 | 5,0            |       | T30       |
| V808.40T                 | 8 | 30 | 5,0            |       | T40       |
| V808.45T                 | 8 | 30 | 5,0            |       | T45       |
| V828.015S                | 8 | 28 | 3,1            | 1,53  | S1,5      |
| V828.020S                | 8 | 28 | 5,4            | 2,03  | S2        |
| V828.025S                | 8 | 28 | 5,8            | 2,53  | S2,5      |
| V828.030S                | 8 | 28 | 7,0            | 3,05  | S3        |
| V828.035S                | 8 | 28 | 7,3            | 3,55  | S3,5      |
| V828.040S                | 8 | 28 | 7,6            | 4,05  | S4        |
| V828.050S                | 8 | 28 | 9,1            | 5,08  | S5        |
| V828.060S                | 8 | 28 | 10,0           | 6,1   | S6        |
| V828.080S                | 8 | 28 | 12,5           | 8,1   | S8        |
| V828.100S                | 8 | 28 | 12,5           | 10,15 | S10       |
| V828.120S                | 8 | 28 | 12,5           | 12,15 | S12       |
| V828.07T                 | 8 | 28 | 5,0            |       | T7        |
| V828.20T                 | 8 | 28 | 5,0            |       | T20       |

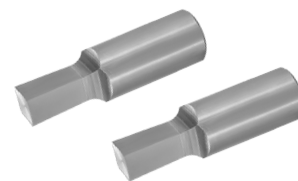
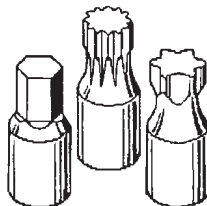
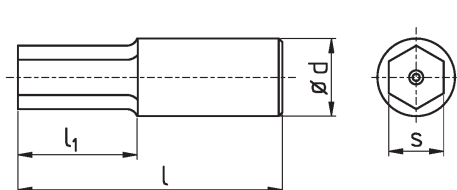
Alle Räumdorner auch TIN / ALTIN beschichtet lieferbar, auch lieferbar in ASP oder HM  
*All broaches available TIN / ALTiN coated, also available in ASP or HM*

Viele weitere Größen, Sondergrößen und -Formen auf Anfrage lieferbar  
*many special sizes and shapes available on request*



### Räumdorne

### Wobble Broaches



S = Sechskant - *hexagonal* V = Vierkant - *square* T = Torx K = Kernbohrung (Idealmaß) - *core drilling*  
Weitere Formen und Maße auf Anfrage - *Other shapes and sizes available on request*

| Bestell-Nr.<br>order-no. | d  | l  | l <sub>1</sub> | K     | S / V / T |
|--------------------------|----|----|----------------|-------|-----------|
| V812.015S                | 12 | 40 | 4,5            | 1,53  | S1,5      |
| V812.020S                | 12 | 40 | 6,0            | 2,03  | S2        |
| V812.025S                | 12 | 40 | 6,5            | 2,53  | S2,5      |
| V812.030S                | 12 | 40 | 7,0            | 3,05  | S3        |
| V812.0317S               | 12 | 40 | 7,0            | 3,25  | S3,17     |
| V812.035S                | 12 | 40 | 7,0            | 3,55  | S3,5      |
| V812.040S                | 12 | 40 | 9,0            | 4,05  | S4        |
| V812.0476S               | 12 | 40 | 10,0           | 4,8   | S4,76     |
| V812.050S                | 12 | 40 | 12,0           | 5,1   | S5        |
| V812.055S                | 12 | 40 | 12,0           | 5,6   | S5,5      |
| V812.060S                | 12 | 40 | 12,0           | 6,1   | S6        |
| V812.635S                | 12 | 40 | 12,0           | 6,45  | S6,35     |
| V812.070S                | 12 | 40 | 12,5           | 7,1   | S7        |
| V812.0793S               | 12 | 40 | 12,5           | 8,03  | S7,93     |
| V812.080S                | 12 | 40 | 13,0           | 8,1   | S8        |
| V812.090S                | 12 | 40 | 14,5           | 9,1   | S9        |
| V812.095S                | 12 | 40 | 14,5           | 9,6   | S9,5      |
| V812.0952S               | 12 | 40 | 14,5           | 9,62  | S9,52     |
| V812.100S                | 12 | 40 | 16,0           | 10,15 | S10       |
| V812.110S                | 12 | 40 | 18,0           | 11,15 | S11       |
| V812.120S                | 12 | 40 | 19,0           | 12,15 | S12       |
| V812.127S                | 12 | 40 | 19,0           | 12,85 | S12,7     |
| V812.130S                | 12 | 40 | 19,0           | 13,2  | S13       |
| V812.140S                | 12 | 40 | 19,0           | 14,2  | S14       |
| V812.150S                | 12 | 40 | 19,0           | 15,2  | S15       |
| V812.170S                | 12 | 40 | 19,0           | 17,2  | S17       |
| V812.190S                | 12 | 40 | 19,0           | 19,2  | S19       |
| V812.200S                | 12 | 40 | 19,0           | 20,3  | S20       |
| V812.220S                | 12 | 40 | 19,0           | 22,3  | S22       |

| Bestell-Nr.<br>order-no. | d  | l  | l <sub>1</sub> | K     | S / V / T |
|--------------------------|----|----|----------------|-------|-----------|
| V812.270S                | 12 | 40 | 19,0           | 27,3  | S27       |
| V812.320S                | 12 | 40 | 19,0           | 32,5  | S32       |
| V812.06T                 | 12 | 40 | 8              | 1,3   | T6        |
| V812.07T                 | 12 | 40 | 8              |       | T7        |
| V812.08T                 | 12 | 40 | 8              | 1,77  | T8        |
| V812.09T                 | 12 | 40 | 8              |       | T9        |
| V812.10T                 | 12 | 40 | 8              | 2,07  | T10       |
| V812.15T                 | 12 | 40 | 8              | 2,44  | T15       |
| V812.20T                 | 12 | 40 | 8              | 2,86  | T20       |
| V812.25T                 | 12 | 40 | 8              | 3,28  | T25       |
| V812.30T                 | 12 | 40 | 8              | 4,07  | T30       |
| V812.40T                 | 12 | 40 | 8              |       | T40       |
| V812.45T                 | 12 | 40 | 8              | 5,68  | T45       |
| V812.50T                 | 12 | 40 | 8              | 6,5   | T50       |
| V812.55T                 | 12 | 40 | 8              | 8,1   | T55       |
| V812.60T                 | 12 | 40 | 8              | 9,57  | T60       |
| V855.025S                | 12 | 55 | 5,8            | 2,53  | S2,5      |
| V855.030S                | 12 | 55 | 6,0            | 3,05  | S3        |
| V855.040S                | 12 | 55 | 8,3            | 4,05  | S4        |
| V855.050S                | 12 | 55 | 10,5           | 5,1   | S5        |
| V855.060S                | 12 | 55 | 11,1           | 6,1   | S6        |
| V855.070S                | 12 | 55 | 12,7           | 7,1   | S7        |
| V855.080S                | 12 | 55 | 12,8           | 8,1   | S8        |
| V855.100S                | 12 | 55 | 15,8           | 10,15 | S10       |
| V855.120S                | 12 | 55 | 17,0           | 12,15 | S12       |
| V855.130S                | 12 | 55 | 17,0           | 13,2  | S13       |
| V855.140S                | 12 | 55 | 16,5           | 14,2  | S14       |

Alle Räumdorne auch TIN / ALTIN beschichtet lieferbar, auch lieferbar in ASP oder HM

*All broaches available TIN / ALTIN coated, also available in ASP or HM*

Achtung S19 und größer - keine Gewährleistung!

Nur geeignet für leicht zerspanbare Materialien, große Vorbohrungen oder bei Einsatz mit Pressen

*Attention S19 and larger - no warranty!*

*Only suitable for materials easy to cut, large pilot holes or use with presses*

Viele weitere Größen, Sondergrößen und -Formen auf Anfrage lieferbar

*many special sizes and shapes available on request*

***Reduction Sleeves***

*only in the main catalog*



**Reduzierhülsen**

nur im Hauptkatalog

**8.1**

***Boring Bar Sleeves***



**Bohrstangenaufnahmen**

**8.2**

***Multi Drill Holders***



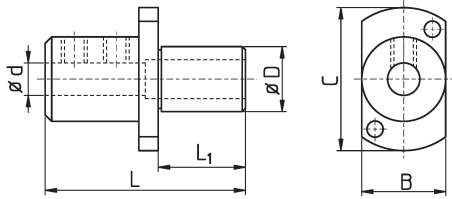
**Mehrfachbohrerhalter**

**8.3**

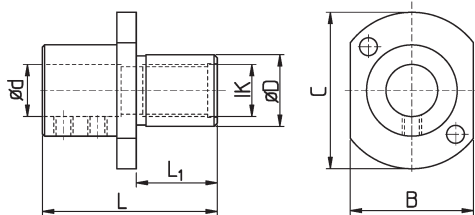
**Bohrstangenaufnahmen**

**Boring Bar Sleeves**

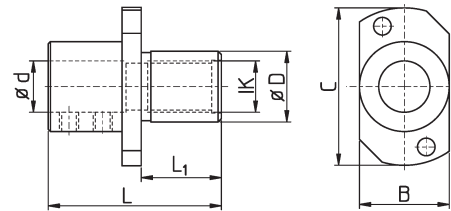
**Bild 4**



**Bild 5**



**Bild 6**



| Bestell-Nr.<br>order-no. | d  | D  | C    | B  | L <sub>1</sub> | L   | IK    | Maschinen<br>machines | Bild |
|--------------------------|----|----|------|----|----------------|-----|-------|-----------------------|------|
| WD0625154                | 6  | 25 | 24,7 | -- | 154            | 170 | G1/4" | TORNOS<br>DECO 2000   | 1    |
| WD0825154                | 8  | 25 | 24,7 | -- | 154            | 170 | G1/4" |                       | 1    |
| WD1025154                | 10 | 25 | 24,7 | -- | 154            | 170 | G1/4" |                       | 1    |
| WD1225154                | 12 | 25 | 24,7 | -- | 154            | 170 | G1/4" |                       | 1    |
| WD1425154                | 14 | 25 | 24,7 | -- | 154            | 170 | G1/4" |                       | 1    |
| WD1625154                | 16 | 25 | 24,7 | -- | 154            | 170 | G1/4" |                       | 1    |
| WD1825154                | 18 | 25 | 32   | -- | 130            | 170 | G1/4" |                       | 2    |
| WD1925154                | 1" | 25 | 35   | -- | 130            | 170 | G1/4" |                       | 2    |
| WD2025154                | 20 | 25 | 35   | -- | 130            | 170 | G1/4" |                       | 2    |

**Mehrfachbohrerhalter**  
 für TORNOS DECO 2000 und Andere

**Multi Drill Holders**  
 for TORNOS DECO 2000 and More

Bild 1

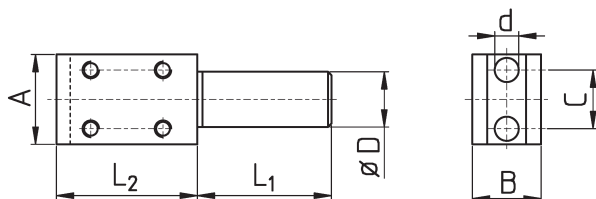


Bild 2

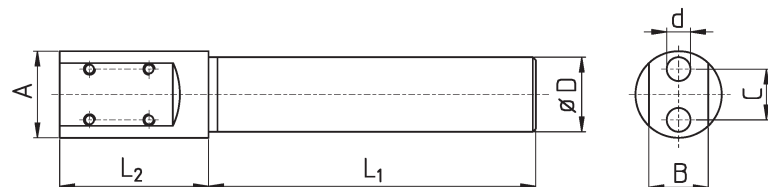


Bild 3

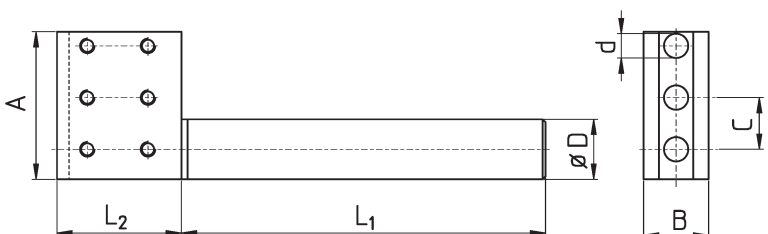
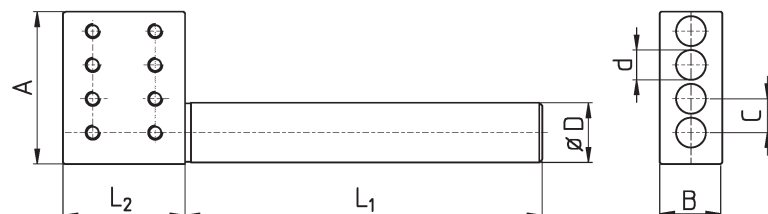


Bild 4



| Bestell-Nr.<br>order-no. | D  | d H6 | A    | B  | C  | b  | L <sub>1</sub> | L <sub>2</sub> | Bild |
|--------------------------|----|------|------|----|----|----|----------------|----------------|------|
| MVB207                   | 20 | 7    | 29   | 20 | 17 | -  | 120            | 41             | 3    |
| MVB207x3                 | 20 | 7    | 50   | 20 | 17 | 11 | 120            | 42             | 2    |
| MVB208                   | 20 | 8    | 29   | 20 | 17 | -  | 120            | 41             | 3    |
| MVB208x3                 | 20 | 8    | 50   | 20 | 17 | 11 | 120            | 42             | 2    |
| MVB257                   | 25 | 7    | 29   | 20 | 17 | -  | 120            | 41             | 3    |
| MVB257x3                 | 25 | 7    | 53,5 | 20 | 17 | 11 | 120            | 42             | 2    |
| MVB258                   | 25 | 8    | 29   | 20 | 17 | -  | 120            | 41             | 3    |
| MVB258x3                 | 25 | 8    | 53,5 | 20 | 17 | 11 | 120            | 42             | 2    |

 Kürzere Schaftlängen ohne Aufpreis lieferbar  
 Auch für Einsätze EM110756 , EM110856

*Shorter shanks without additional fee*  
*Also for inserts EM110756 , EM110856*

***Insert Holders***

*only in the main catalog*



***Height Adjustable  
Back Working Holders***



**Wendeplattenhalter**

*nur im Hauptkatalog*

**10.1**

**Höhenverstellbare  
Wendeplattenhalter**

**10.2**

## 10.2

### Höhenverstellbare Wendeplattenhalter

*High Adjustable Back Working Holders*

## 10

### Wendeplattenhalter Insert Holders

**BRITSCH**  
Spannzeuge GmbH

#### Technische Informationen

#### Technical Informations

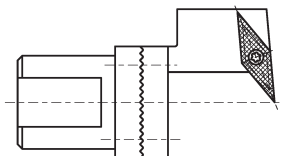
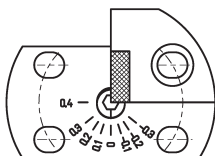
Geeignet u.a. für Langdreher-Rückseiten-  
bearbeitung und Linearschlitten.

*Suitable for Swiss-Lathes backside  
working.*

Durch Einstellmöglichkeit der Spitzenhöhe  
auch zum Drehen kleinster Durchmesser

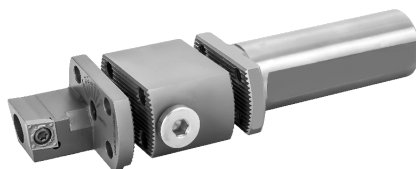
*Smallest turning diameter possible as a  
result of height adjustment option.*

Exakte  
Höheneinstellung  
± 0,4 mm mit Skala,  
Teilung je 0,1 mm



*Exactly high  
adjustment  
± 0,4 mm with scale,  
step 0,1 mm*

Systemaufbau



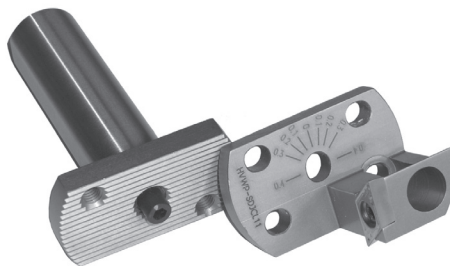
*System design*

Eine Vielzahl an unterschiedlichen Ausführungen:

*A multitude of different types:*

Köpfe mit  
Standard-  
wendeschneidplatten  
Gewindeschneidplatten  
Einstechschneidplatten  
"BIMU"

Köpfe für  
Wendeplattenhalter  
Zangenspannfutter  
Halter für  
IFANGER,  
PICCO und  
HORN Einsätze



*Tops with  
standard inserts  
threading inserts  
"BIMU" inserts*

*Tops for  
insert holders  
collet holders  
holders for  
IFANGER,  
PICCO and  
HORN inserts*

- 1 - 2 Schäfte für Höhenverstellbare Wendeplattenhalter  
*Height Adjustable Backworking Holders, Shanks*
- 3 Distanzplatten für Höhenverstellbare Wendeplattenhalter  
*Height Adjustable Backworking Holders, Spacer Plates*
- 4 Höhenverstellbare Wendeplattenhalter für BIMU-Platten  
*Height Adjustable Backworking Holders, for BIMU-040 Inserts*
- 5 Höhenverstellbare Wendeplattenhalter für ER16-Gewindeplatten  
*Height Adjustable Backworking Holders, for Threading Inserts ER16*
- 5 Höhenverstellbare Wendeplattenhalter, STJ  
*Height Adjustable Backworking Holders, STJ*
- 6 Höhenverstellbare Wendeplattenhalter, SCL / SDN  
*Height Adjustable Backworking Holders, SCL/ SDN*
- 7 Höhenverstellbare Wendeplattenhalter, SDJ / SVN  
*Height Adjustable Backworking Holders, SDJ / SVN*
- 8 Höhenverstellbare Wendeplattenhalter, SVV / SVU / SVQ  
*Height Adjustable Backworking Holders, SVV / SVU / SVQ*
- 9 Höhenverstellbare Wendeplattenhalter, SVJ / SVZ  
*Height Adjustable Backworking Holders, SVJ / SVZ*
- 9 Ersatzteile für Höhenverstellbare Wendeplattenhalter  
*Height Adjustable Backworking Holders, Spare Parts*
- 10 Aufnahmen f. Wendeplattenhalter 10x10 + 12x12  
*Mounting for Insert Tool Holders 10 x 10 and 12 x 12*
- 10 Zangenahmen ER11 und ER16  
*Collet Holders ER11, ER16*
- 11 MICRO-TURN-Halter (IFANGER)  
*MICRO TURN Holders System IFANGER*
- 11 Halter und Einsatzhülsen für ISCAR PICCO CUT  
*Holder and Insert Sleeves for ISCAR PICCO CUT*
- 12 Halter für HORN Schneidplatten 105 / 110  
*Holder for HORN Inserts 105 / 110*
- 13 Mehrfachhalter für Zylinderschäfte  
*Double and Triple Holders for Holders with Cylinder Shanks*

## Technische Informationen

## Technical Information

Viele Schäfte mit axialer und tangentialer Anschlussmöglichkeit für Kühlmittelzufuhr, der Kühlmiteleintritt erfolgt dann direkt an die Werkzeugschneide.



*Many shank types with axial and tangential coolant inlet. Coolant effect directly at the insert.*

Für Schäfte ohne direkten Kühlmittelanschluss sind Distanzplatten mit Kühlmittelanschluss verwendbar



*For shanks without coolant inlet distance plates with coolant inlets are useable.*

## Anwendungsbeispiele:

## Samples of applications:

Kopf mit ER Zangenspannfutter



holder with ER collet

Halter mit "BIMU"-Platte



holder with "BIMU" insert

Bei Schäften mit tieferen Taschen für die Befestigungsschrauben, kann der Halter ohne Lösen des Kopfes abgeschraubt werden



*Insert holders on shanks with deeper slots for the screws can be disassembled without unscrew the shank.*



### Höhenverstellbare Wendeplattenhalter Schäfte

### Height Adjustable Backworking Holders Shanks

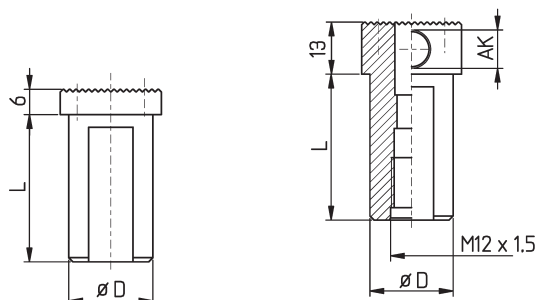


Bild 1

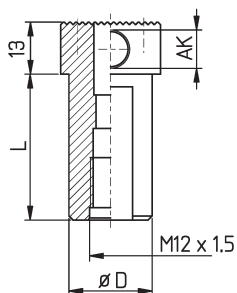


Bild 2

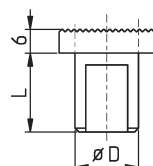
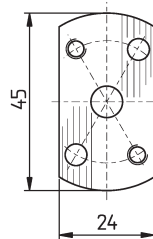
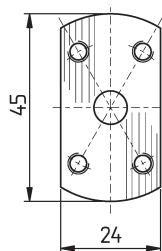
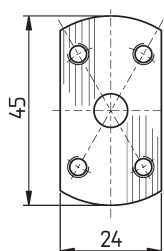


Bild 3



Standardschaft  
Standard shank



Standardschaft mit innerer  
Kühlmittelzufuhr (AK / IK)  
Standard shank with inner  
coolant (AK / IK)

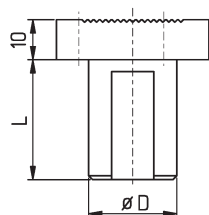
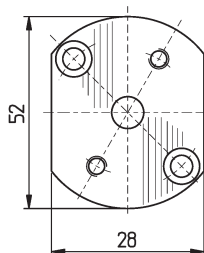


Bild 4



| Bestell-Nr.<br>order-no. | D  | L   | Bild | AK    | Maschine<br>machine |
|--------------------------|----|-----|------|-------|---------------------|
| HVD2060AK1               | 20 | 60  | 2    | G1/8" |                     |
| HVD2080                  | 20 | 80  | 1    | --    |                     |
| HVD20125                 | 20 | 125 | 1    | --    | TORNOS DECO         |
| HVD2270                  | 22 | 70  | 1    | --    | STAR                |
| HVD2270AK2               | 22 | 70  | 2    | M8x1  | STAR                |
| HVD22100                 | 22 | 100 | 1    | --    | STAR                |
| HVD2560                  | 25 | 60  | 1    | --    |                     |
| HVD2560AK1               | 25 | 60  | 2    | G1/8" |                     |
| HVD25120                 | 25 | 125 | 1    | --    | TORNOS DECO         |

AK: Mit direkter Kühlmittelzuführung an die Schneide  
Weitere Schäfte mit AK auf Anfrage

IK: with inner coolant  
More shanks with inner coolant on request

## 10.2 - 2

### Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

## 10

### Wendeplattenhalter Insert Holders

**BRITSCH**  
Spannzeuge GmbH

#### Höhenverstellbare Wendeplattenhalter Schäfte

#### Height Adjustable Backworking Holders Shanks

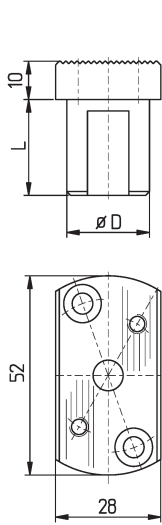


Bild 5

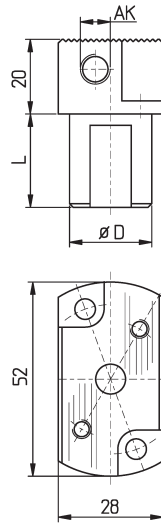


Bild 6 #

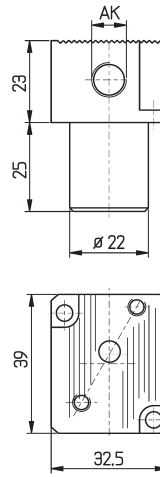


Bild 7 #

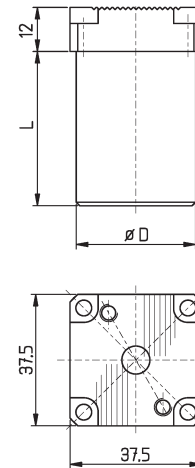


Bild 8

| Bestell-Nr.<br>order-no. | D  | L    | Bild | AK    | Maschine<br>machine           |
|--------------------------|----|------|------|-------|-------------------------------|
| HVD2225SRR               | 22 | 25   | 5    | --    | STAR SR20R / ECAS12/20        |
| HVD2225SRRAK2            | 22 | 25   | 6    | M8x1  | SR20J                         |
| HVD2225SWAK1*            | 22 | 25   | 7    | G1/8" | STAR SW20                     |
| HVD3045                  | 30 | 45   | 8    | --    | MAIER Wehingen                |
| HVD3419                  | 34 | 19,5 | 8    | --    | MAIER Wehingen                |
| HVD3444                  | 34 | 44   | 8    | --    | MAIER/STAR ECAS               |
| HVD3444S                 | 34 | 44   | 8    | --    | STAR Linearschlitten<br>SR/SV |

Halter können ohne Lösen des Kopfes an- bzw. abgeschraubt werden, vgl.

# Techn. Informationen zu Beginn des Kapitels

Holder can be screwed or unscrewed without removing the head, see technical informations at the beginning of the chapter

\* nicht höhenverstellbar - not high adjustable

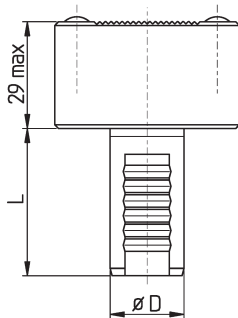


Bild 9

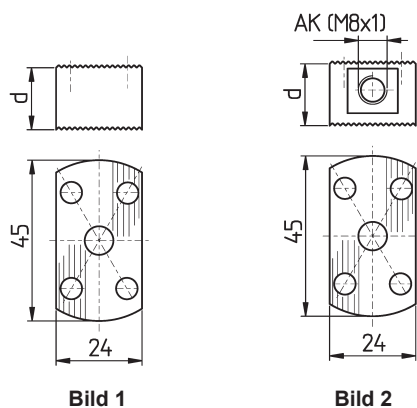
#### VDI-Schäfte DIN 69880

#### VDI Shanks

| Bestell-Nr.<br>order-no. | D  | B  | Bild |
|--------------------------|----|----|------|
| HVD-V16                  | 16 | 45 | 9    |
| HVD-V20                  | 20 | 50 | 9    |
| HVD-V25                  | 25 |    | 9    |

### Höhenverstellbare Wendeplattenhalter Distanzplatten

### Height Adjustable Backworking Holders Spacer Plates



| Bestell-Nr.<br>order-no. | D  | Bild |
|--------------------------|----|------|
| HVD10S                   | 10 | 1    |
| HVD15S                   | 15 | 1    |
| HVD20S                   | 20 | 1    |
| HVD25S                   | 25 | 1    |
| HVD30S                   | 30 | 1    |

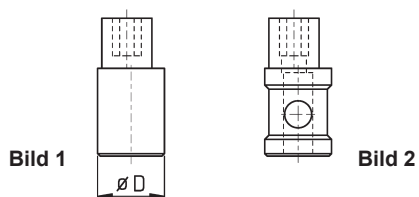
| Mit Kühlmittelanschluss<br>with inner coolant |    |   |
|-----------------------------------------------|----|---|
| HVD15S-AK1                                    | 15 | 2 |
| HVD20S-AK1                                    | 20 | 2 |
| HVD25S-AK1                                    | 25 | 2 |
| HVD30S-AK1                                    | 30 | 2 |

Incl. Schrauben und Exzenterbolzen zur Höheneinstellung

Supplied with screws and eccentric bolt for height adjustment

### Höhenverstellbare Wendeplattenhalter Exzenterbolzen

### Height Adjustable Backworking Holders Eccentric bolt



| Bestell-Nr.<br>order-no. | D | Bild |
|--------------------------|---|------|
| HWWP-EXC                 | 8 | 1    |
| HWWP-EXC-IK              | 8 | 2    |

## 10.2 - 4

### Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

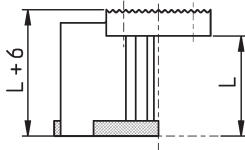
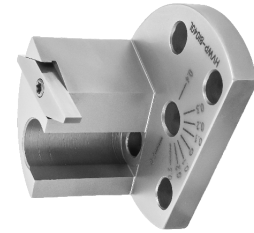
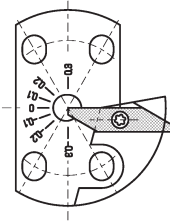
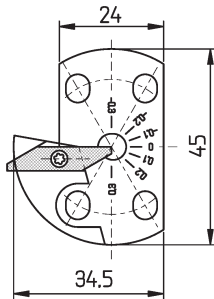
## 10

### Wendeplattenhalter Insert Holders

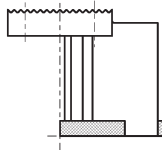
**BRITSCH**  
Spannzeuge GmbH

Höhenverstellbare Wendeplattenhalter  
für BIMU-040 - Platten

Height Adjustable Backworking Holders  
for BIMU-040 Inserts



Ausführung links  
Version left

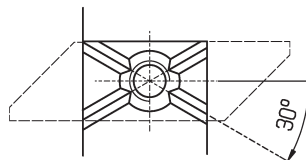
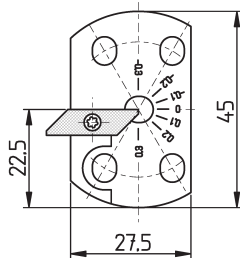


Ausführung rechts  
Version right

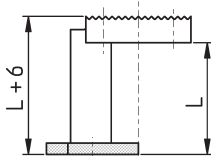
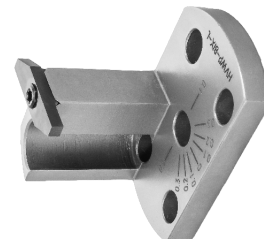
| Bestell-Nr.<br>order-no. | Ausf.<br>type         | Platten<br>inserts | L  |
|--------------------------|-----------------------|--------------------|----|
| HVWP-BI040R              | rechts - <i>right</i> | BIMU-040           | 23 |
| HVWP-BI040L              | links - <i>left</i>   | BIMU-040           | 23 |

Höhenverstellbare Wendeplattenhalter  
für BIMU-X - Platten

Height Adjustable Backworking Holders  
for BIMU-X Inserts



BIMU-X Plattensitz

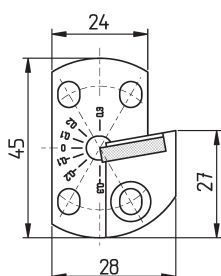


Ausführung links  
Version left

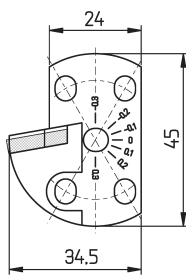
| Bestell-Nr.<br>order-no. | Ausf.<br>type         | Platten<br>inserts | L    |
|--------------------------|-----------------------|--------------------|------|
| HVWP-BIX-R               | rechts - <i>right</i> | BIMU-X             | 25,6 |
| HVWP-BIX-L               | links - <i>left</i>   | BIMU-X             | 25,6 |
| HVWPL-BIX-R              | rechts - <i>right</i> | BIMU-X             | 42,6 |
| HVWPL-BIX-L              | links - <i>left</i>   | BIMU-X             | 42,6 |

#### Höhenverstellbare Wendeplattenhalter für Gewindeplatten ER16

#### Height Adjustable Backworking Holders for Threading Inserts ER16



**Bild 1**  
(Ausführung rechts)  
(Version right)



**Bild 2**  
(Ausführung rechts außen)  
(Version right external)

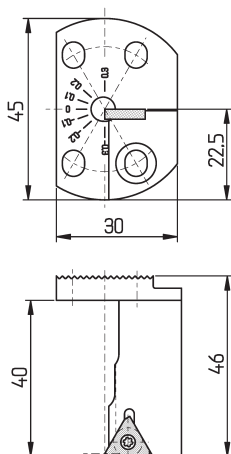
Platten - *inserts*: ER16 ISO



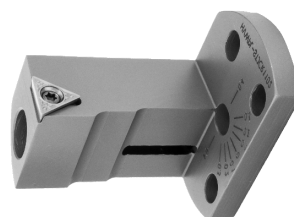
| Bestell-Nr.<br>order-no.                                         | Ausf.<br>type         |      | L  | Bild |
|------------------------------------------------------------------|-----------------------|------|----|------|
| HVWP-ER16-0                                                      | rechts - <i>right</i> | 0°   | 31 | 1    |
| HVWP-ER16-15                                                     | rechts - <i>right</i> | 1,5° | 31 | 1    |
| HVWP-ER16-3                                                      | rechts - <i>right</i> | 3°   | 31 | 1    |
| HVWPL-ER16-0                                                     | rechts - <i>right</i> | 0°   | 40 | 1    |
| HVWPL-ER16-15                                                    | rechts - <i>right</i> | 1,5° | 40 | 1    |
| HVWPL-ER16-3                                                     | rechts - <i>right</i> | 3°   | 40 | 1    |
| HVWPA-ER16-0                                                     | rechts - <i>right</i> | 0°   | 31 | 2    |
| HVWPA-ER16-15                                                    | rechts - <i>right</i> | 1,5° | 31 | 2    |
| HVWPA-ER16-3                                                     | rechts - <i>right</i> | 3°   | 31 | 2    |
| HVWPLA-ER16-15                                                   | rechts - <i>right</i> | 1,5° | 40 | 2    |
| HVWPL-EL16-15<br>für Linksgewinde<br><i>for left hand thread</i> | links - <i>left</i>   | 1,5° | 40 | --   |

#### Höhenverstellbare Wendeplattenhalter Typ STJC

#### Height Adjustable Backworking Holders Type STJC



**Ausführung rechts**  
*Version right*



| Bestell-Nr.<br>order-no. | Ausf.<br>type         | Platten<br>inserts | L  |
|--------------------------|-----------------------|--------------------|----|
| HVWPL-STJCR11            | rechts - <i>right</i> | TC..1102           | 40 |
| HVWPL-STJCL11            | links - <i>left</i>   | TC..1102           | 40 |

## 10.2 - 6

### Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

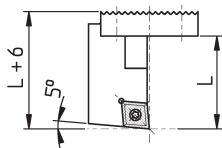
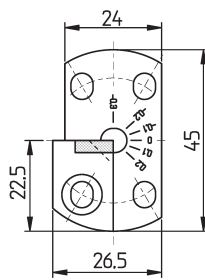
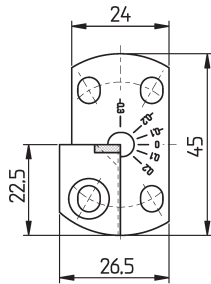
## 10

### Wendeplattenhalter Insert Holders

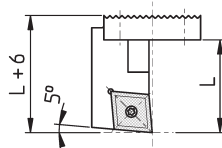
**BRITSCH**  
Spannzeuge GmbH

#### Höhenverstellbare Wendeplattenhalter Typ SCLC

#### Height Adjustable Backworking Holders Type SCLC



**SCLCL06**  
(Ausführung links)  
(Version left)

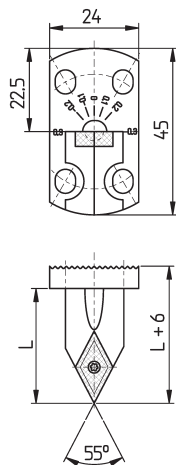


**SCLCL09**  
(Ausführung links)  
(Version left)

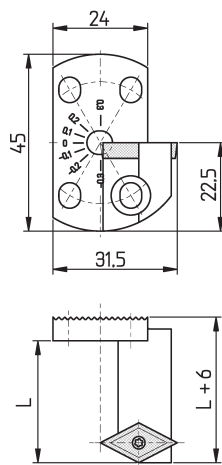
| Bestell-Nr.<br>order-no. | Ausf.<br>type         | Platten<br>inserts | L  |
|--------------------------|-----------------------|--------------------|----|
| HVWP-SCLCR06             | rechts - <i>right</i> | CC--0602           | 23 |
| HVWP-SCLCL06             | links - <i>left</i>   | CC--0602           | 23 |
| HVWP-SCLCR09             | rechts - <i>right</i> | CC--09T3           | 23 |
| HVWP-SCLCL09             | links - <i>left</i>   | CC--09T3           | 23 |

#### Höhenverstellbare Wendeplattenhalter Typ SDNC

#### Height Adjustable Backworking Holders Type SDNC



**SDNCN11**



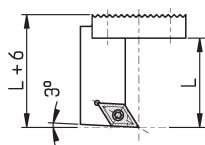
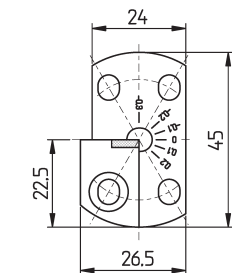
**SDNCR11**  
(Ausführung rechts)  
(Version right)



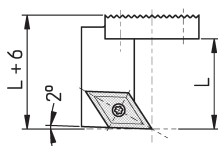
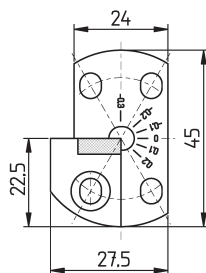
| Bestell-Nr.<br>order-no. | Ausf.<br>type            | Platten<br>inserts | L  |
|--------------------------|--------------------------|--------------------|----|
| HVWP-SDNCN11             | mittig - <i>centered</i> | DC--11T3           | 23 |
| HVWPL-SDNCR11            | rechts - <i>right</i>    | DC--11T3           | 40 |
| HVWPL-SDNCL11            | links - <i>left</i>      | DC--11T3           | 40 |

### Höhenverstellbare Wendeplattenhalter Typ SDJC

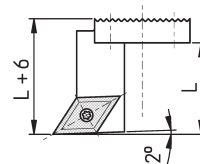
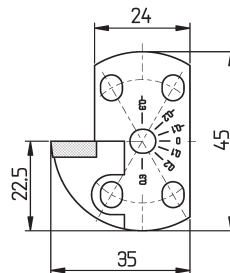
### Height Adjustable Backworking Holders Type SDJC



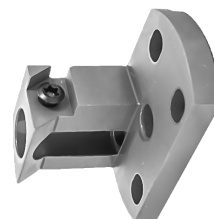
**SDJCL07**  
(Ausführung links)  
(Version left)



**SDJCL11**  
(Ausführung links)  
(Version left)



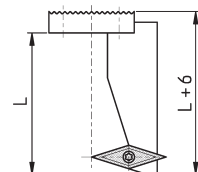
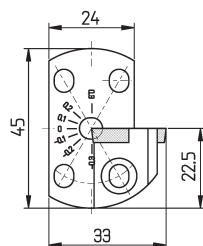
**HWWPA-SDJCR11**  
(Ausführung rechts außen)



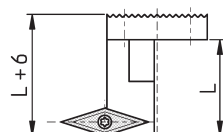
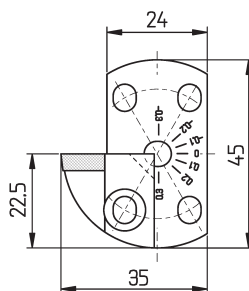
| Bestell-Nr.<br>order-no. | Ausf.<br>type         | Platten<br>inserts | L  |
|--------------------------|-----------------------|--------------------|----|
| HVWP-SDJCR06             | rechts - <i>right</i> | DC--0602           | 23 |
| HVWP-SDJCR07             | rechts - <i>right</i> | DC--0702           | 23 |
| HVWP-SDJCL07             | links - <i>left</i>   | DC--0702           | 23 |
| HVWPL-SDJCR07            | rechts - <i>right</i> | DC--0702           | 40 |
| HVWPL-SDJCL07            | links - <i>left</i>   | DC--0702           | 40 |
| HVWP-SDJCR11             | rechts - <i>right</i> | DC--11T3           | 23 |
| HVWP-SDJCL11             | links - <i>left</i>   | DC--11T3           | 23 |
| HVWPL-SDJCR11            | rechts - <i>right</i> | DC--11T3           | 40 |
| HVWPL-SDJCL11            | links - <i>left</i>   | DC--11T3           | 40 |
| HWWPA-SDJCR11            | rechts - <i>right</i> | DC--11T3           | 23 |
| HWWPA-SDJCL11            | links - <i>left</i>   | DC--11T3           | 23 |

### Höhenverstellbare Wendeplattenhalter Typ SVNC

### Height Adjustable Backworking Holders Type SVNC



**SVNCR11**  
(Ausführung rechts)  
(Version right)



**HWWPA-SVNCR11**  
(Ausführung rechts außen)  
(Version right external)



| Bestell-Nr.<br>order-no. | Ausf.<br>type         | Platten<br>inserts | L  |
|--------------------------|-----------------------|--------------------|----|
| HVWPL-SVNCR11            | rechts - <i>right</i> | VC..1103           | 40 |
| HVWPL-SVNCL11            | links - <i>left</i>   | VC..1103           | 40 |
| HWWPA-SVNCR11            | rechts - <i>right</i> | VC..1103           | 23 |
| HWWPA-SVNCL11            | links - <i>left</i>   | VC..1103           | 23 |

## 10.2 - 8

### Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

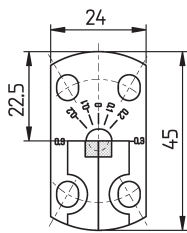
## 10

### Wendeplattenhalter Insert Holders

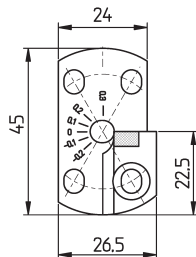
**BRITSCH**  
Spannzeuge GmbH

#### Höhenverstellbare Wendeplattenhalter Typ SVVC, SVUC

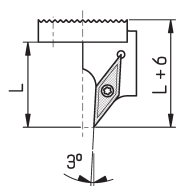
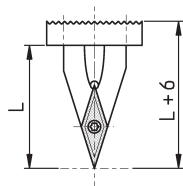
#### Height Adjustable Backworking Holders Type SVVC, SVUC



SVVCN11



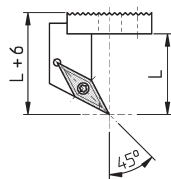
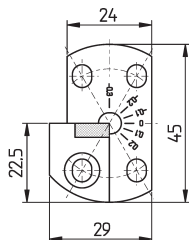
SVUCR11  
(Ausführung rechts)  
(Version right)



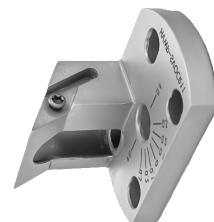
| Bestell-Nr.<br>order-no. | Ausf.<br>type           | Platten<br>inserts | L  |
|--------------------------|-------------------------|--------------------|----|
| HVWP-SVVCN11             | neutr - <i>centered</i> | VC..1103           | 31 |
| HVWP-SVUCR11             | rechts - <i>right</i>   | VC..1103           | 23 |
| HVWP-SVUCL11             | links - <i>left</i>     | VC..1103           | 23 |

#### Höhenverstellbare Wendeplattenhalter Typ SVQC

#### Height Adjustable Backworking Holders Type SVQC



Ausführung links  
(Version left)

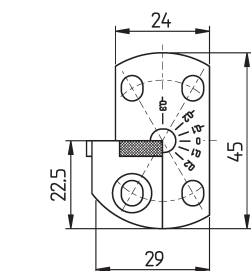


| Bestell-Nr.<br>order-no. | Ausf.<br>type         | Platten<br>inserts | L  |
|--------------------------|-----------------------|--------------------|----|
| HVWP-SVQCR11             | rechts - <i>right</i> | VC..1103           | 23 |
| HVWP-SVQCL11             | links - <i>left</i>   | VC..1103           | 23 |
| HVWPL-SVQCR11            | rechts - <i>right</i> | VC..1103           | 40 |
| HVWPL-SVQCL11            | links - <i>left</i>   | VC..1103           | 40 |

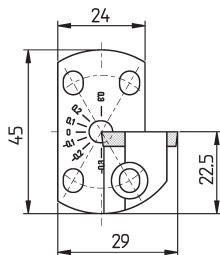


Höhenverstellbare Wendeplattenhalter  
Typ SVJB, SVJC, SVJP, SVZC

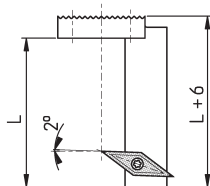
Height Adjustable Backworking Holders  
Type SVJB, SVJC, SVJP, SVZC



**SVJCL11**  
(Ausführung links)  
(Version left)



**SVZCR11**  
(Ausführung rechts)  
(Version right)



| Bestell-Nr.<br>order-no. | Ausf.<br>type         | Platten<br>inserts | L  |
|--------------------------|-----------------------|--------------------|----|
| HVWP-SVJBR11             | rechts - <i>right</i> | VB..1103           | 23 |
| HVWP-SVJBR1102           | rechts - <i>right</i> | VB..1102           | 23 |
| HVWP-SVJCR11             | rechts - <i>right</i> | VC..1103           | 23 |
| HVWP-SVJCL11             | links - <i>left</i>   | VC..1103           | 23 |
| HVWPL-SVJCR11            | rechts - <i>right</i> | VC..1103           | 40 |
| HVWPL-SVJCL11            | links - <i>left</i>   | VC..1103           | 40 |
| HVWPL-SVJPR10            | rechts - <i>right</i> | VP GT 10           | 40 |
| HVWPL-SVZCR11            | rechts - <i>right</i> | VC..1103           | 40 |

Höhenverstellbare Wendeplattenhalter  
Ersatzteile

Height Adjustable Backworking Holders  
Spare Parts

| Wendeplattentyp<br>insert type | Schlüssel / Best.-Nr.<br>spanner / order-no. | Schraube / Best.-Nr.<br>screw / order-no. |
|--------------------------------|----------------------------------------------|-------------------------------------------|
| CC-- 0602--                    | T8                                           | A02-25060                                 |
| CC--09T3--                     | T15                                          | A02-40105                                 |
| DC--0702--                     | T8                                           | A02-25060                                 |
| DC--11T3--                     | T15                                          | A02-40105                                 |
| VC--1103--                     | T8                                           | A02-25060                                 |
| TC--1103--                     | T8                                           | A02-25060                                 |
| BIMU040                        | T8                                           | A02-25060                                 |
| BIMU-X                         | T9                                           | A02-W3082                                 |
| Gew. Platten ER16              | T9                                           | A02-30100                                 |

## 10.2 - 10

### Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

## 10

### Wendeplattenhalter Insert Holders

**BRITSCH**  
Spannzeuge GmbH

Höhenverstellbare Werkzeugsysteme  
Aufnahme für Wendeplattenhalter  
10 x 10 und 12 x 12

Height Adjustable Backworking Holders  
Mounting for Insert Tool Holders  
10 x 10 and 12 x 12

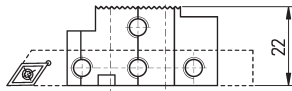
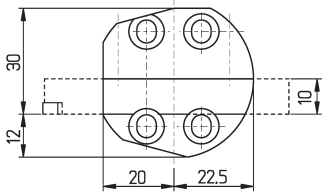


Bild 1 R + L + überkopf einsetzbar  
Useable r., l. + overhead

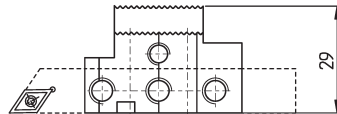
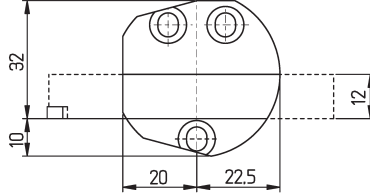


Bild 2: R + L + überkopf einsetzbar  
Useable r., l. + overhead



| Bestell-Nr.<br>order-no. | Für Schaft<br>for shank | Bild |
|--------------------------|-------------------------|------|
| HVWP-1010                | 10 x 10                 | 1    |
| HVWP-1212                | 12 x 12                 | 2    |

Höhenverstellbare Werkzeugsysteme  
Zangenspannfutter ER 11, ER16

Height Adjustable Backworking Holders  
Collet Holders ER 11, ER16

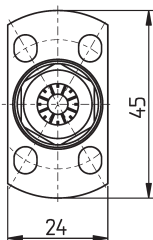


Bild 1

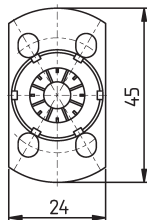
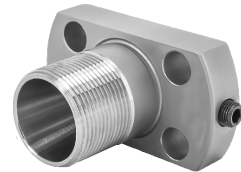


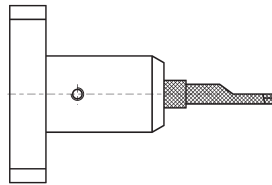
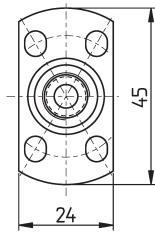
Bild 2



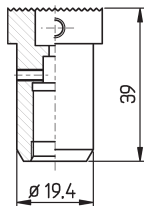
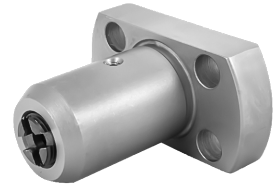
| Bestell-Nr.<br>order-no. | Ausf. / Spannbereich<br>type / range | Bild |
|--------------------------|--------------------------------------|------|
| HVWP-ER11                | ER11 / 0,5-7mm                       | 1    |
| HVWP-ER16                | ER16 / 1-10mm                        | 2    |

Höhenverstellbare Werkzeugsysteme  
MICRO TURN- Halter System Ifanger

Height Adjustable Backworking Holders  
MICRO TURN- Holder System Ifanger



Anwendungsbeispiel  
Sample of application



| Bestell-Nr.<br>order-no. | Für Schaft<br>for shank |
|--------------------------|-------------------------|
| HVWP-IF4                 | Ifanger 4mm             |
| HVWP-IF6                 | Ifanger 6mm             |

Höhenverstellbare Werkzeugsysteme  
Halter für ISCAR PICCO CUT Klingen

Height Adjustable Backworking Holders  
Holders for ISCAR PICCO CUT Inserts

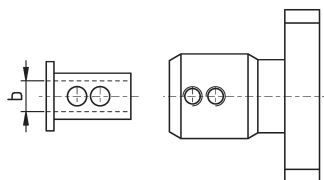


Bild 2:

Einsätze mit Bohrungs-Ø  
d = 3 - 10 mm  
Sockets with  
bore-Ø d = 3 - 10 mm

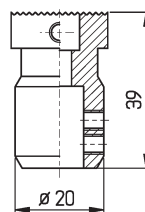
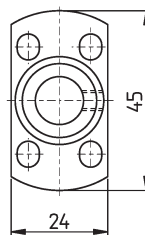


Bild 1:  
Halter - holder

| Halter - Bild 1<br>holder |  |
|---------------------------|--|
| Bestell-Nr.<br>order-no.  |  |
| HVWP-PIC                  |  |

| Einsatz - Bild 2<br>socket |    |
|----------------------------|----|
| Bestell-Nr.<br>order-no.   | d  |
| PIC3                       | 3  |
| PIC4                       | 4  |
| PIC5                       | 5  |
| PIC6                       | 6  |
| PIC7                       | 7  |
| PIC8                       | 8  |
| PIC10                      | 10 |

Die PICCO-Einsätze sind auch für Bohrstangenaufnahmen "PICCO" einsetzbar - s. Kap. 8.2  
PICCO-sockets are also used for boring bar sleeves - see chapter 8.2

## 10.2 - 12

Höhenverstellbare  
Wendeplattenhalter

*Height Adjustable Back Working Holders*

## 10

Wendeplattenhalter  
*Insert Holders*

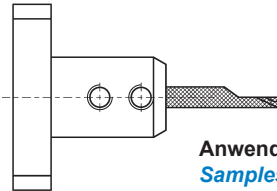
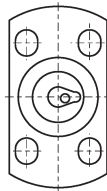
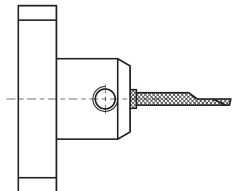
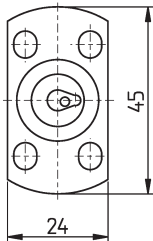
**BRITSCH**  
Spannzeuge GmbH

Höhenverstellbare Werkzeugsysteme  
Halter für HORN Schneidplatten

*Height Adjustable Backworking Holders  
Holders for HORN Inserts*

Typ 105 + 105 mit verlängertem Spannschaft

*Type 105 + 105 with Extended Clamping Shank*



Anwendungsbeispiele  
*Samples of applications*

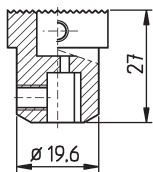


Bild 1

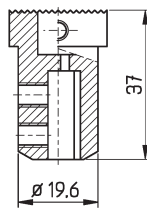
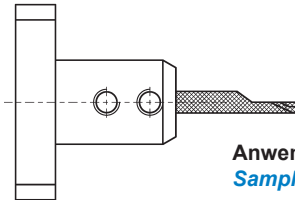
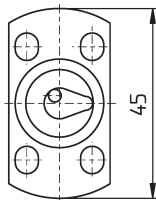


Bild 2

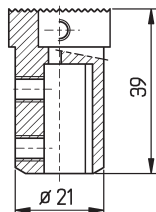
| Bestell-Nr.<br>order-no. | Für Schneidplatte Typ<br>for insert type |
|--------------------------|------------------------------------------|
| HVWP-H105                | 105                                      |
| HVWP-H105L               | 105 verlängert                           |

Typ 110

*Type 110*



Anwendungsbeispiel  
*Sample of applications*



| Bestell-Nr.<br>order-no. | Für Schneidplatte Typ<br>for insert type |
|--------------------------|------------------------------------------|
| HVWP-H110                | 110                                      |

Höhenverstellbare Werkzeugsysteme  
Doppel- und Dreifachhalter für  
Zangenspannfutter ER11, ER16

Height Adjustable Backworking Holders  
Double and Triple Holders for  
Collet Holders ER 11, ER16

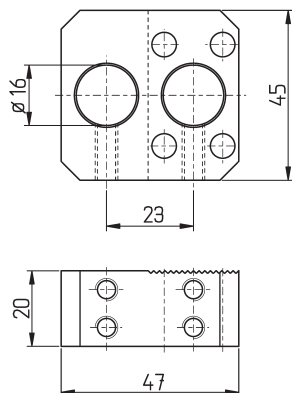


Bild 1

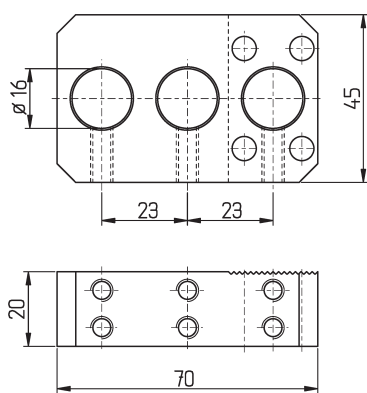


Bild 2

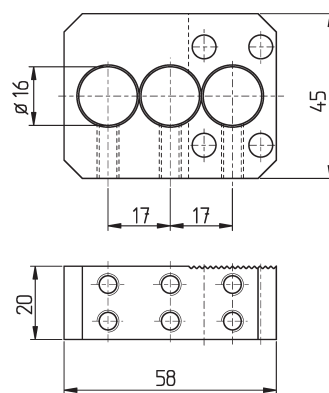
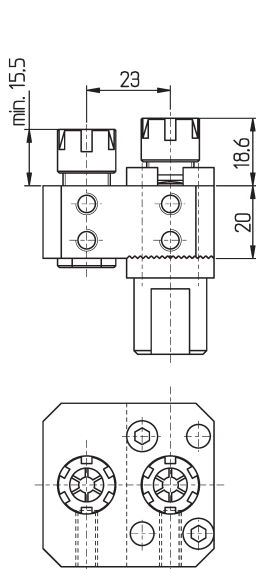


Bild 3

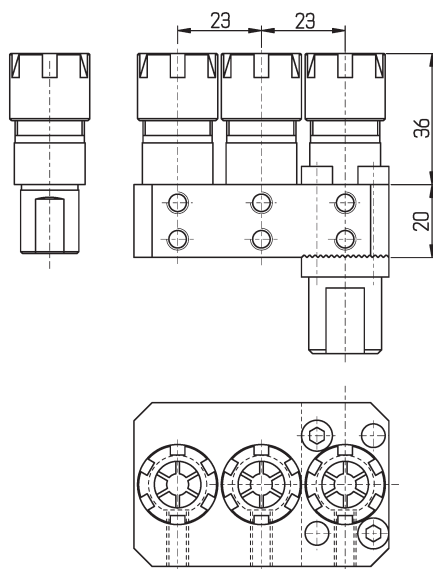
| Bestell-Nr.<br>order-no. | Für Einsätze<br>for collet holders | Bild |
|--------------------------|------------------------------------|------|
| HVWP-X2                  | EM111620, EM161620                 | 1    |
| HVWP-X3                  | EM111620, EM161620                 | 2    |
| HVWP-X3 17               | EM111620                           | 3    |

### Anwendungsbeispiele

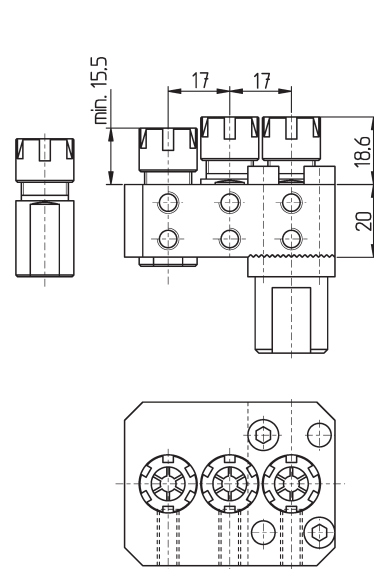
### Samples of Applications



**HVWP - X2**  
mit 2 Einsätzen EM111620  
*with 2 Collet holders EM111620*  
auch für EM161620, RB16 ...  
*also for EM161620, RB16 ...*



**HVWP - X3**  
mit 3 Einsätzen EM161620  
*with 3 Collet holders EM161620*  
auch für EM111620, RB16 ...  
*also for EM111620, RB16 ...*



**HVWP - X3 17**  
mit 3 Einsätzen EM111620  
*with 3 Collet holders EM111620*  
auch für RB16 ...  
*also for RB16 ...*

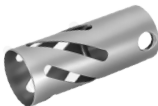
*Revolving Ends*



Spannhülsenlagerungen

11.1

*Bar Feed Collets*



Spannhülsen

11.2

- 1** Spannhülsenlagerungen für FMB, IEMCA, BREUNING IRCO, TRAUB  
*Revolving Ends for FMB, IEMCA, BREUNING IRCO, TRAUB*
- 1** Spannhülsenlagerungen für LNS Mini-Sprint  
*Revolving Ends for LNS Mini-Sprint*
- 2** Spannhülsenlagerungen Turbo für FMB, LNS, BREUNING IRCO  
*Revolving Ends Turbo for FMB, LNS, BREUNING IRCO*
- 2** Spannhülsenlagerungen Turbo für TORNOS  
*Revolving Ends for Turbo for TORNOS*
- 3** Spannhülsenlagerungen für TORNOS; ROBOBAR  
*Revolving Ends for TORNOS; ROBOBAR*

# 11.1 - 1

## Spannhülsenlagerungen Revolving Ends

11

Spannhülsenlagerungen  
Spannhülsen  
Revolving Ends  
Bar Feed Collets

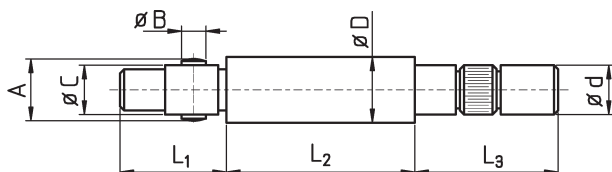
**BRITSCH**  
Spannzeuge GmbH

### Spannhülsenlagerungen

für FMB, IEMCA, BREUNING IRCO, TRAUB Lademagazine

### Revolving Ends

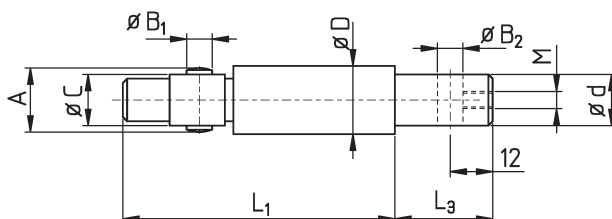
for FMB, IEMCA, BREUNING IRCO, TRAUB Bar Feeders



| Bestell-Nr.<br>order-no. | d  | D    | A    | B | C  | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> |
|--------------------------|----|------|------|---|----|----------------|----------------|----------------|
| SPHLD10IR (Spezial)      | 8  | 10,0 | 9,8  | 4 | 7  | 27             | 43             | 31             |
| SPHLD105IR (Spezial)     | 8  | 10,5 | 9,8  | 4 | 7  | 27             | 43             | 31             |
| SPHLD10H                 | 8  | 10,3 | 9,8  | 4 | 7  | 27             | 43             | 31             |
| SPHLD12H                 | 8  | 12   | 11,8 | 4 | 8  | 27             | 43             | 31             |
| SPHLD13H                 | 8  | 13   | 11,8 | 6 | 11 | 27             | 43             | 31             |
| SPHLD15H                 | 12 | 15   | 14,8 | 6 | 11 | 26             | 44             | 31             |
| SPHLD16H                 | 12 | 16   | 15,8 | 6 | 11 | 26             | 44             | 31             |
| SPHLD18                  | 12 | 18   | 17,8 | 6 | 11 | 26             | 44             | 31             |
| SPHLD20                  | 17 | 20   | 19,8 | 8 | 14 | 39             | 47             | 31             |
| SPHLD22                  | 17 | 22   | 21,8 | 8 | 14 | 39             | 47             | 31             |
| SPHLD23                  | 17 | 23   | 21,8 | 8 | 14 | 44             | 42             | 28             |
| SPHLD25                  | 20 | 25   | 24,8 | 8 | 20 | 42             | 47             | 31             |
| SPHLD28                  | 20 | 28   | 24,8 | 8 | 20 | 42             | 47             | 31             |
| SPHLD30                  | 20 | 30   | 29,8 | 8 | 20 | 42             | 47             | 31             |
| SPHLD32                  | 20 | 32   | 31,8 | 8 | 20 | 42             | 47             | 30             |
| SPHLD36                  | 20 | 36   | 35,8 | 8 | 20 | 42             | 47             | 30             |
| SPHLD42                  | 20 | 42   | 41,8 | 8 | 20 | 42             | 47             | 30             |
| SPHLD52                  | 20 | 52   | 51,8 | 8 | 20 | 42             | 47             | 30             |

### Spannhülsenlagerungen für LNS Mini-Sprint S2

### Revolving Ends for LNS Mini-Sprint S2

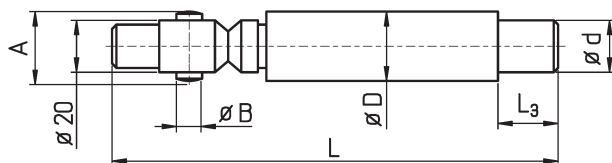


| Bestell-Nr.<br>order-no. | d  | D  | A  | B <sub>1</sub> / B <sub>2</sub> | C  | L <sub>1</sub> | L <sub>3</sub> | M  |
|--------------------------|----|----|----|---------------------------------|----|----------------|----------------|----|
| SPHL10LNS                | 8  | 10 | 10 | 4                               | 7  | 65             | 30             | M4 |
| SPHL12LNS                | 8  | 12 | 12 | 4                               | 8  | 65             | 30             | -- |
| SPHL15LNS                | 12 | 15 | 15 | 6                               | 11 | 66             | 30             | M5 |
| SPHL18LNS                | 12 | 18 | 18 | 6                               | 11 | 66             | 30             | -- |
| SPHL20LNS                | 17 | 20 | 20 | 8                               | 14 | 81             | 30             | M8 |
| SPHL25LNS                | 20 | 25 | 25 | 8                               | 20 | 85,5           | 30             | M8 |
| SPHL36LNS                | 30 | 36 | 36 | 8 / --                          | 20 | 158            | 40             | -- |
| SPHL50LNS                | 42 | 50 | -- | --                              | 20 | 158            | 50             | -- |



**Spannhülsenlagerungen "TURBO"**  
für FMB, LNS, BREUNING IRCO Lademagazine

**Revolving Ends**  
for FMB, LNS, BREUNING IRCO Bar Feeders



| Bestell-Nr.<br>order-no. | d  | D  | A    | B | L <sub>3</sub> | L   |
|--------------------------|----|----|------|---|----------------|-----|
| SPHLTD25 *               | 20 | 25 | 24,8 | 8 | 40             | 197 |
| SPHLTD28 *               | 25 | 28 | 25,8 | 8 | 40             | 197 |
| SPHLTD30 *               | 25 | 30 | 25,8 | 8 | 40             | 197 |
| SPHLTD32 *               | 25 | 32 | 31   | 8 | 40             | 197 |
| SPHLTD34 *               | 30 | 34 | 31   | 8 | 40             | 197 |
| SPHLTD36 *               | 30 | 36 | 35   | 8 | 40             | 207 |
| SPHLTD38                 | 30 | 38 | -    | - | 40             | 207 |
| SPHLTD40                 | 33 | 40 | -    | - | 50             | 207 |
| SPHLTD42                 | 33 | 42 | -    | - | 50             | 207 |
| SPHLTD45                 | 33 | 45 | -    | - | 50             | 207 |
| SPHLTD50                 | 42 | 50 | -    | - | 50             | 207 |
| SPHLTD60                 | 51 | 60 | -    | - | 75             | 232 |
| SPHLTD63                 | 51 | 63 | -    | - | 75             | 232 |
| SPHLTD65                 | 51 | 65 | -    | - | 75             | 232 |
| SPHLTD70**               | 51 | 70 |      |   |                |     |
| SPHLTD80**               | 51 | 80 |      |   |                |     |

\* Verwendbar für Spannhülsen "Turbo" und mit Querstift  
\*\*Auf Anfrage

\* Useable for bar feeder collets "Turbo" and pinned type  
\*\* On request

**Spannhülsenlagerungen "TURBO"**  
für TORNOS Lademagazine

**Revolving Ends "TURBO"**  
for TORNOS Bar Feeders

| Bestell-Nr.<br>order-no. | d  | D  | A  | B | L <sub>3</sub> | L   |
|--------------------------|----|----|----|---|----------------|-----|
| SPHLTR32                 | 22 | 32 | 31 | 8 | 30             | 192 |
| SPHLTR36                 | 25 | 36 | 35 | 8 | 30             | 192 |

**Spannhülsenlagerungen**  
für TORNOS, ROBOBAR Lademagazine

**Revolving Ends**  
for TORNOS, ROBOBAR Bar Feeders

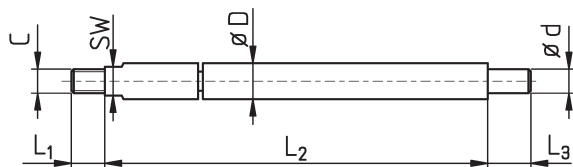


Bild 1

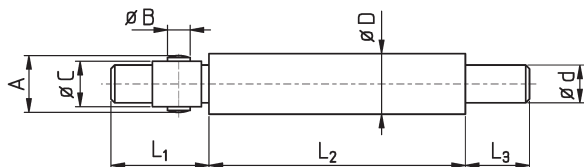


Bild 2



| Bestell-Nr.<br>order-no. | d  | D    | A    | B | C  | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | Bild |
|--------------------------|----|------|------|---|----|----------------|----------------|----------------|------|
| SPHLD05R                 | M3 | 5,5  | -    | - | M4 | 7              | 78             | 8              | 1    |
| SPHLD07R                 | M5 | 7,5  | -    | - | M5 | 7              | 78             | 16             | 1    |
| SPHLD10R                 | 7  | 10,5 | 9,8  | 4 | 7  | 25             | 73             | 16             | 2    |
| SPHLD12R                 | 8  | 12   | 11,8 | 4 | 8  | 26             | 73             | 16             | 2    |
| SPHLD16R                 | 10 | 16   | 14,8 | 6 | 11 | 28             | 116            | 16             | 2    |
| SPHLD18R                 | 10 | 18   | 14,8 | 6 | 11 | 28             | 116            | 16             | 2    |
| SPHLD21R                 | 14 | 20,5 | 19,8 | 8 | 14 | 40             | 110            | 20             | 2    |
| SPHLD25R                 | 20 | 25   | 24,8 | 8 | 20 | 43             | 114            | 22             | 2    |
| SPHLD26R                 | 20 | 26   | 24,8 | 8 | 20 | 43             | 114            | 22             | 2    |

- 1 - 3** Spannhülsen für BECHLER, FMB, IEMCA, LNS, TRAUB, TORNOS  
*Bar Feed Collets for BECHLER, FMB, IEMCA, LNS, TRAUB, TORNOS*
- 4, 5** Spannhülsen für Turbo-Lademagazine für FMB, BREUNING IRCO, LNS, TORNOS  
*Bar Feed Collets (Turbo) for FMB, BREUNING IRCO, LNS, TORNOS*
- 6 - 8** Spannhülsen mit Aufschraubgewinde  
*Bar Feed Collets with Right Hand Thread*
- 9, 10** Spannhülsen mit Aufschraubgewinde links  
*Bar Feed Collets with Left Hand Thread*
- 10** Spannhülsen mit Innenprofil  
*Bar Feed Collets with Inner Profile*
- 11** Zentrierhülsen  
*Bar Feed Cone Collets*
- 12,13** Spanndorne  
*Bar Feed Collets for Internal Gripping*

# 11.2 - 1

## Spannhülsen Bar Feed Collets

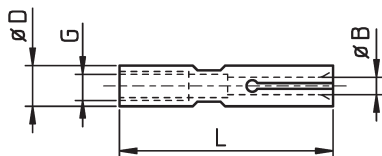
11

Spannhülsenlagerungen  
Spannhülsen  
Revolving Ends  
Bar Feed Collets

**BRITSCH**  
Spannzeuge GmbH

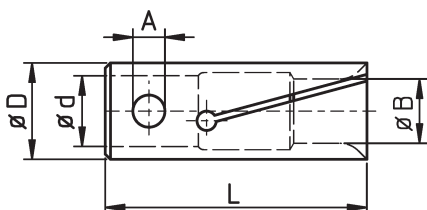
**Spannhülsen für Lademagazine**  
FMB, IEMCA, LNS, TRAUB, TORNOS

**Bar Feed Collets for Bar Loaders**  
FMB, IEMCA, LNS, TRAUB, TORNOS



mit Gewinde  
with thread

Bild 1



mit Querstiftbefestigung  
pinned type

Bild 2



| Bestell-Nr.<br>order-no. | D  | Bild | G / d | A | L  | B von<br>from | B bis<br>to | stg.<br>step |
|--------------------------|----|------|-------|---|----|---------------|-------------|--------------|
| D05                      | 5  | 2    | M4    | - | 37 | 0,8           | 4,5         | 0,1          |
| D07                      | 7  | 2    | M5    | - | 37 | 0,6           | 6,0         | 0,1          |
| D10                      | 10 | 1    | 7     | 4 | 40 | 1,0           | 9,0         | 0,5          |
| D11                      | 11 | 1    | 7     | 4 | 40 | 9,5           | 10,0        | 0,1          |
| D12                      | 12 | 1    | 8     | 4 | 40 | 1,5           | 10,5        | 0,5          |
| D13                      | 13 | 1    | 8     | 4 | 40 | 2,0           | 12,0        | 0,5          |
| D14                      | 14 | 1    | 8     | 4 | 40 | 8,0           | 13,0        | 0,5          |
| D15                      | 15 | 1    | 11    | 6 | 40 | 2,0           | 13,5        | 0,5          |
| D16                      | 16 | 1    | 11    | 6 | 40 | 4,0           | 15,0        | 0,5          |
| D18                      | 18 | 1    | 11    | 6 | 40 | 3,0           | 17,0        | 0,5          |
| D20                      | 20 | 1    | 14    | 8 | 65 | 2,0           | 19,0        | 0,5          |
| D21                      | 21 | 1    | 14    | 8 | 65 | 18,0          | 20,0        | 0,5          |
| D22                      | 22 | 1    | 14    | 8 | 65 | 4,0           | 21,0        | 0,5          |
| D24                      | 24 | 1    | 20    | 8 | 65 | 16,0          | 23,0        | 0,5          |
| D25                      | 25 | 1    | 20    | 8 | 65 | 2,0           | 24,0        | 0,5          |
| D28                      | 28 | 1    | 20    | 8 | 65 | 3,0           | 27,0        | 0,5          |
| D30                      | 30 | 1    | 20    | 8 | 65 | 4,0           | 29,0        | 0,5          |
| D32                      | 32 | 1    | 20    | 8 | 65 | 3,0           | 31,0        | 0,5          |
| D34                      | 34 | 1    | 20    | 8 | 65 | 28,0          | 33,0        | 0,5          |
| D36                      | 36 | 1    | 20    | 8 | 65 | 4,0           | 35,0        | 0,5          |
| D42                      | 42 | 1    | 20    | 8 | 65 | 15,0          | 41,0        | 1,0          |
| D52                      | 52 | 1    | 20    | 8 | 65 | 40,0          | 51,0        | 1,0          |

Dünnwandige Spannhülsen auch als "Longlife" lieferbar  
Zollmaße bis 1/16"-stg. ohne Aufpreis

Thin-walled bar feeder collets also available in "Longlife"-type  
Imperial sizes up to 1/16"-step without extra charge

**Spannhülsen** für Lademagazine  
BECHLER, LNS, TRAUB, TORNOS

**Bar Feed Collets** for Bar Loaders  
BECHLER, LNS, TRAUB, TORNOS

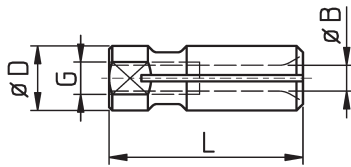


Bild 1

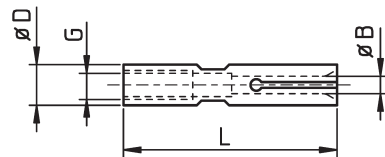


Bild 2



| Bestell-Nr.<br>order-no. | D  | Bild | G  | L  | B von<br>from | B bis<br>to | stg.<br>step |
|--------------------------|----|------|----|----|---------------|-------------|--------------|
| D07-B                    | 7  | 1    | M5 | 26 | 1,0           | 6,3         | 0,1          |
| D10-B                    | 10 | 1    | M5 | 26 | 1,5           | 8,5         | 0,1          |
| DLNS06                   | 6  | 2    | M4 | 30 | 0,6           | 5,0         | 0,1          |
| DLNS07                   | 7  | 2    | M4 | 30 | 1,0           | 6,0         | 0,1          |
| DLNS10                   | 11 | 2    | M5 | 30 | 1,5           | 9,0         | 0,1          |
| DLNS12                   | 12 | 2    | M6 | 30 | 2,0           | 11,0        | 0,5          |
| DLNS125                  | 12 | 2    | M6 | 30 | 8,0           | 12,0        | 0,5          |

Dünnwandige Spannhülsen auch als "Longlife" lieferbar

Thin-walled bar feed collets also available in "Longlife"-type

Spannhülsen "Longlife"  
FMB, IEMCA, LNS, TRAUB, TORNOSBar Feed Collets "Longlife"  
FMB, IEMCA, LNS, TRAUB, TORNOS

## Vorteile der "Longlife"-Spannhülsen:

- Die geschlossene Form verhindert Spannkraftverlust bei hohen Drehzahlen
- Bei Ausführung "L" kann auch 4 / 6 - kt. Material verwendet werden
- Hohe Bruchfestigkeit und Spannkraft bei dünnen Wandstärken

## Advantages of "Longlife" bar feed collets

- closed form prevents tension loss by high rotation speed
- type "L" also suitable for square / hex material
- High breaking resistance and clamping force

Bild 1

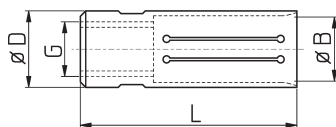
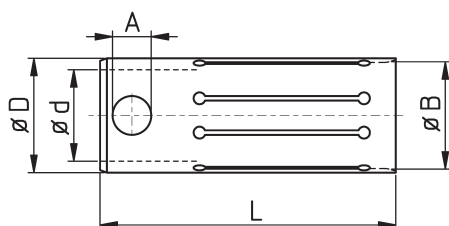
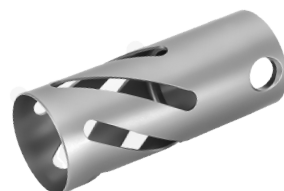


Bild 2

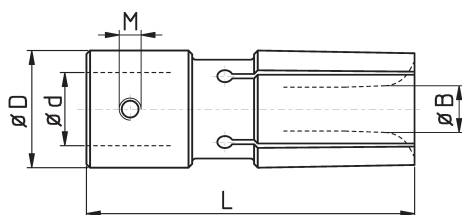
Ausführung  
Type LAusführung  
Type LS

| Bestell-Nr. - order-no.<br>Ausführung - type<br>L LS | D     | Bild | G / d | L  | B von<br>from | B bis<br>to | stg.<br>step | 4 / 6-kt<br>sq / hex |
|------------------------------------------------------|-------|------|-------|----|---------------|-------------|--------------|----------------------|
| D05L                                                 | 5     | 1    | M4    | 40 | 3,5           | 4,3         | 0,1          |                      |
| D07L                                                 | 7     | 1    | M5    | 40 | 4,3           | 6,0         | 0,5          |                      |
| D075L                                                | 7,5   | 1    | M5    | 40 | 6,0           | 7,0         | 0,5          |                      |
| D10L                                                 | D10LS | 2    | 7     | 40 | 6,0           | 9,0         | 0,5          | 6 - 8                |
| D11L                                                 | D11LS | 2    | 7     | 40 | 9,0           | 10,0        | 0,5          | 8                    |
| D12L                                                 | D12LS | 2    | 8     | 40 | 8,0           | 11,0        | 0,5          | 7 - 9                |
| D13L                                                 | D13LS | 2    | 8     | 40 | 11,0          | 12,0        | 0,5          | 10                   |
| D15L                                                 | D15LS | 2    | 11    | 40 | 10,0          | 14,0        | 0,5          | 9 - 12               |
| D16L                                                 | D16LS | 2    | 11    | 40 | 13,0          | 15,0        | 0,5          | 12 - 13              |
| D17L                                                 | D17LS | 2    | 11    | 40 | 14,0          | 16,0        | 0,5          | 13                   |
| D18L                                                 | D18LS | 2    | 11    | 40 | 12,0          | 17,0        | 0,5          | 11 - 14              |
| D19L                                                 | D19LS | 2    | 11    | 40 | 17,0          | 18,0        | 0,5          | 15                   |
| D20L                                                 | D20LS | 2    | 14    | 65 | 14,0          | 19,0        | 0,5          | 13 - 16              |
| D21L                                                 | D21LS | 2    | 14    | 65 | 18,0          | 20,0        | 0,5          | 16 - 17              |
| D22L                                                 | D22LS | 2    | 14    | 65 | 16,5          | 21,0        | 0,5          | 15 - 18              |
| D23L                                                 | D23LS | 2    | 14    | 65 | 18,0          | 22,0        | 0,5          | 16 - 19              |
| D24L                                                 | D24LS | 2    | 20    | 65 | 20,0          | 23,0        | 0,5          | 18 - 20              |
| D25L                                                 | D25LS | 2    | 20    | 65 | 16,0          | 24,0        | 0,5          | 14 - 20              |
| D26L                                                 | D26LS | 2    | 20    | 65 | 23,0          | 25,0        | 0,5          | 20 - 21              |
| D27L                                                 | D27LS | 2    | 20    | 65 | 24,0          | 26,0        | 0,5          | 21 - 22              |
| D28L                                                 | D28LS | 2    | 20    | 65 | 20,0          | 27,0        | 0,5          | 18 - 23              |
| D30L                                                 | D30LS | 2    | 20    | 65 | 22,0          | 29,0        | 0,5          | 20 - 25              |
| D31L                                                 | D31LS | 2    | 20    | 65 | 29,5          | 30,0        | 0,5          | 26                   |
| D32L                                                 | D32LS | 2    | 20    | 65 | 20,0          | 31,0        | 0,5          | 18 - 27              |
| D33L                                                 | D33LS | 2    | 20    | 65 | 30,0          | 32,0        | 0,5          | 27                   |
| D34L                                                 | D34LS | 2    | 20    | 65 | 28,0          | 33,0        | 0,5          | 25 - 28              |
| D36L                                                 | D36LS | 2    | 20    | 65 | 30,0          | 35,0        | 0,5          | 27 - 30              |
| D39L                                                 | D39LS | 2    | 20    | 65 | 36,0          | 38,0        | 0,5          | 32 - 33              |
| D42L                                                 | D42LS | 2    | 20    | 69 | 38,5          | 41          | 0,5          | 34 - 35              |
| D52L                                                 | D52LS | 2    | 20    | 70 | 47,0          | 50,0        | 0,5          | 41 - 43              |

Zollmaße bis 1/16"-stg. ohne Aufpreis  
Material muss angefast werdenImperial sizes up to 1/16"-step without extra charge  
Bars need chamfering to prevent breakage

**Spannhülsen für Turbo-Lademagazine**  
FMB, BREUNING IRCO, LNS, TORNOS

**Bar Feed Collets for Turbo Bar Loaders**  
FMB, BREUNING IRCO, LNS, TORNOS



| Bestell-Nr.<br>order-no. | D   | d     | L   | M  | B von<br>from | B bis<br>to | stg.<br>step |
|--------------------------|-----|-------|-----|----|---------------|-------------|--------------|
| TD25                     | 25  | 20    | 90  | M5 | 2,5           | 24,0        | 0,5          |
| TD28                     | 28  | 20    | 90  | M5 | 5,0           | 26,0        | 0,5          |
| TD30                     | 30  | 20    | 90  | M6 | 3,0           | 28,0        | 0,5          |
| TD32                     | 32  | 20    | 90  | M6 | 2,5           | 30,5        | 0,5          |
| TD33                     | 33  | 20    | 90  | M6 | 30,0          | 31,0        | 1,0          |
| TD34                     | 34  | 20    | 90  | M6 | 6,0           | 32,5        | 1,0          |
| TD36                     | 36  | 20    | 90  | M8 | 4,0           | 34,0        | 0,5          |
| TD38                     | 38  | 20    | 90  | M8 | 10,0          | 36,0        | 0,5          |
| TD40                     | 40  | 20    | 90  | M8 | 7,0           | 38,5        | 1,0          |
| TD42                     | 42  | 20    | 90  | M8 | 3,0           | 40,0        | 1,0          |
| TD45                     | 45  | 20    | 90  | M8 | 10,0          | 43,0        | 1,0          |
| TD50                     | 50  | 20    | 90  | M8 | 6,0           | 48,5        | 1,0          |
| TD54                     | 54  | 20    | 90  | M8 | 20,0          | 51,0        | 1,0          |
| TD55                     | 55  | 20    | 90  | M8 | 20,0          | 52,0        | 1,0          |
| TD58                     | 58  | 20    | 90  | M8 | 20,0          | 55,0        | 1,0          |
| TD60                     | 60  | 20    | 90  | M8 | 10,0          | 58,5        | 1,0          |
| TD63                     | 63  | 20    | 90  | M8 | 10,0          | 61,5        | 1,0          |
| TD65                     | 65  | 20    | 90  | M8 | 8,0           | 63,5        | 1,0          |
| TD70                     | 70  | 20    | 90  | M8 | 40,0          | 68,0        | 1,0          |
| TD73                     | 73  | 20/35 | 90  | M8 | 40,0          | 71,0        | 1,0          |
| TD75                     | 75  | 20/35 | 90  | M8 | 40,0          | 73,0        | 1,0          |
| TD80                     | 80  | 35    | 90  | M8 | 40,0          | 77,0        | 1,0          |
| TD90                     | 90  | 35    | 90  | M8 | 50,0          | 86,0        | 1,0          |
| TD100                    | 100 | 35    | 110 | M8 | 60,0          | 95,0        | 1,0          |

Dünnwandige Spannhülsen auch als "Longlife" lieferbar  
Zollmaße bis 1/16"-stg. ohne Aufpreis  
alle Spannhülsen auch als XT-Ausführung (definierte Spannkraft) lieferbar

*Thin-walled bar feed collets also available in "Longlife"-type  
Imperial sizes up to 1/16"-step without extra charge  
All bar feed collets also available in XT-type (defined clamping force)*

**Spannhülsen "Longlife"**

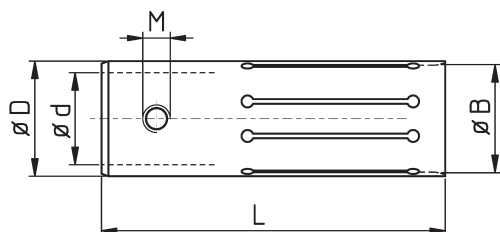
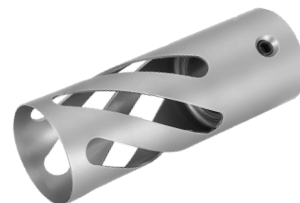
für Turbo-Lademagazine

FMB, BREUNING IRCO, LNS, TORNOS

**Bar Feed Collets "Longlife"**

for Turbo Bar Loaders

FMB, IRCO, BREUNING LNS, TORNOS

Vorteile der "Longlife"-Spannhülsen s. S. 3 - *Advantages of "Longlife" bar feed collets see page 3*Ausführung  
Type LAusführung  
Type LS

| Bestell-Nr. - order-no.<br>Ausführung - type<br>L LS |        | D  | d     | L  | B von<br>from | B bis<br>to | stg.<br>step | 4 / 6-kt<br>sq / hex |
|------------------------------------------------------|--------|----|-------|----|---------------|-------------|--------------|----------------------|
| TD25L                                                | TD25LS | 25 | 20    | 90 | 15,0          | 24,0        | 0,5          | 13 - 20              |
| TD30L                                                | TD30LS | 30 | 20    | 90 | 20,0          | 29,0        | 0,5          | 18 - 25              |
| TD32L                                                | TD32LS | 32 | 20    | 90 | 22,0          | 31,0        | 0,5          | 19 - 26              |
| TD33L                                                | TD33LS | 33 | 20    | 90 | 30,0          | 32,0        | 0,5          | 26 - 27              |
| TD34L                                                | TD34LS | 34 | 20    | 90 | 25,0          | 33,0        | 0,5          | 22 - 28              |
| TD36L                                                | TD36LS | 36 | 20    | 90 | 28,0          | 35,0        | 0,5          | 25 - 30              |
| TD38L                                                | TD38LS | 38 | 20    | 90 | 30,0          | 37,0        | 0,5          | 27 - 32              |
| TD40L                                                | TD40LS | 40 | 20    | 90 | 35,0          | 39,0        | 0,5          | 31 - 33              |
| TD42L                                                | TD42LS | 42 | 20    | 90 | 30,0          | 41,0        | 0,5          | 27 - 35              |
| TD43L                                                | TD43LS | 43 | 20    | 90 | 41,5          | 42,0        | 0,5          | 36                   |
| TD45L                                                | TD45LS | 45 | 20    | 90 | 40,0          | 44,0        | 0,5          | 35 - 38              |
| TD50L                                                | TD50LS | 50 | 20    | 90 | 40,0          | 49,0        | 0,5          | 35 - 42              |
| TD55L                                                | TD55LS | 55 | 20    | 90 | 45,0          | 54,0        | 0,5          | 40 - 46              |
| TD60L                                                | TD60LS | 60 | 20    | 90 | 50,0          | 59,0        | 0,5          | 44 - 51              |
| TD63L                                                | TD63LS | 63 | 20    | 90 | 50,0          | 62,0        | 0,5          | 44 - 53              |
| TD65L                                                | TD65LS | 65 | 20    | 90 | 53,0          | 64,0        | 0,5          | 46 - 55              |
| TD70L                                                | TD70LS | 70 | 20    | 90 | 65,0          | 68,0        | 0,5          |                      |
| TD73L                                                | TD73LS | 73 | 20/35 | 90 | 68,0          | 71,0        | 0,5          |                      |
| TD75L                                                | TD75LS | 75 | 20/35 | 90 | 70,0          | 73,0        | 0,5          |                      |
| TD80L                                                | TD80LS | 80 | 35    | 90 | 75,0          | 78,0        | 0,5          |                      |

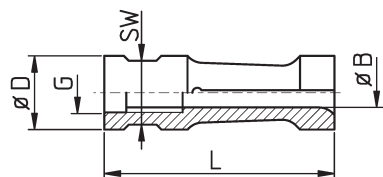
Material muss angefast werden

*Bars need chamfering to prevent breakage*

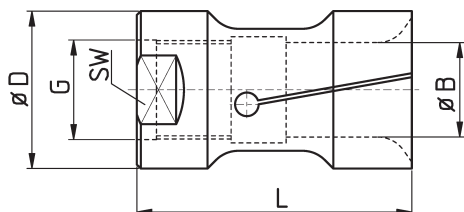


**Spannhülsen für Lademagazine**  
**IEMCA mit Aufschraubgewinde**

**Bar Feed Collets for Bar Loaders**  
**IEMCA with Right Hand Thread**



**Bild 1**



**Bild 2**



| Bestell-Nr.<br>order-no. | D   | Bild | G       | L  | SW                        | B von<br>from | B bis<br>to | stg.<br>step |
|--------------------------|-----|------|---------|----|---------------------------|---------------|-------------|--------------|
| DI07                     | 7,5 | 1    | M5x0,5  | 40 | 6                         | 1,5           | 6,5         | 0,1          |
| DI10                     | 10  | 1    | M6x0,75 | 40 | 8                         | 1,5           | 9,0         | 0,1          |
| DI12                     | 12  | 1    | M7x0,75 | 42 | 10                        | 1,6           | 10,5        | 0,1          |
| DI15                     | 15  | 1    | M8x1    | 42 | 13                        | 3,0           | 13,0        | 0,1          |
| DI16                     | 16  | 1    | M8x1    | 42 | 14                        | 6,0           | 15,0        | 0,5          |
| DI18                     | 18  | 1    | M8x1    | 42 | 14                        | 11,0          | 16,5        | 0,5          |
| DI20                     | 20  | 1    | M10x1   | 59 | 17                        | 2,5           | 18,5        | 0,1          |
| DI23                     | 23  | 1    | M10x1   | 59 | 19                        | 11,0          | 21,0        | 0,5          |
| DI25                     | 25  | 1    | M10x1   | 59 | 22                        | 8,0           | 23,0        | 0,5          |
| DI27                     | 27  | 1    | M10x1   | 59 | 22                        | 16,0          | 25,5        | 0,5          |
| DI30                     | 30  | 1    | M10x1 * | 65 | 28                        | 6,0           | 28,0        | 0,5          |
| DI31 **                  | 31  | 1    | M10x1 * | 65 | 28                        | 8,0           | 29,0        | 0,5          |
| DI32                     | 32  | 1    | M10x1 * | 65 | 28                        | 6,0           | 30,0        | 0,5          |
| DI33                     | 33  | 1    | M10x1 * | 65 | 28                        | 8,0           | 32,0        | 0,5          |
| DI34                     | 34  | 1    | M25x1,5 | 65 | 28                        | 5,0           | 32,0        | 0,5          |
| DI35                     | 35  | 1    | M25x1,5 | 65 | 30                        | 19,0          | 33,0        | 0,5          |
| DI36                     | 36  | 2    | M25x1,5 | 65 | 34                        | 20,0          | 34,0        | 0,5          |
| DI40                     | 40  | 2    | M25x1,5 | 70 | 36                        | 10,0          | 37,0        | 0,5          |
| DI42                     | 42  | 2    | M25x1,5 | 70 | 36                        | 20,0          | 40,0        | 0,5          |
| DI46                     | 46  | 2    | M25x1,5 | 72 | 40                        | 20,0          | 44,0        | 0,5          |
| DI50                     | 50  | 2    | M25x1,5 | 80 | 46                        | 43,0          | 48,0        | 0,5          |
| DI52                     | 52  | 2    | M25x1,5 | 80 | 50                        | 45,0          | 50,0        | 0,5          |
| DI54                     | 54  | 2    | M25x1,5 | 80 | 50                        | 47,0          | 52,0        | 0,5          |
| DI55                     | 55  | 2    | M25x1,5 | 80 | 50                        | 20,0          | 54,0        | 0,5          |
| DI56                     | 56  | 2    | M25x1,5 | 80 | 50                        | 20,0          | 54,0        | 0,5          |
| DI58                     | 58  | 2    | M25x1,5 | 80 | 50                        | 20,0          | 54,0        | 0,5          |
| DI60                     | 60  | 2    | M25x1,5 | 80 | 55                        | 20,0          | 57,0        | 0,5          |
| DI65                     | 65  | 2    | M25x1,5 | 80 | 55                        | 56,0          | 63,0        | 0,5          |
| DI70                     | 70  | 2    | M25x1,5 | 80 | 55                        | 60,0          | 68,0        | 0,5          |
| DI75                     | 75  | 2    | M25x1,5 | 80 | 55                        | 67,0          | 72,0        | 0,5          |
| DI80                     | 80  | 2    | M25x1,5 | 80 | Querbohrung<br>cross hole | 50,0          | 77,0        | 0,5          |

\* Auch mit folgenden Gewinden lieferbar: **M17x1 ; M25x1,5 ; M18x1,5 ; M18x1,5L**  
\* Also available with threads:

dünnwandige Spannhülsen auch als "Longlife" lieferbar  
\*\* auch für Stama-Magazine

Thin-walled bar feed collets also available in "Longlife"-type  
\*\* Also for Stama loaders

## 11.2 - 7

### Spannhülsen Bar Feed Collets

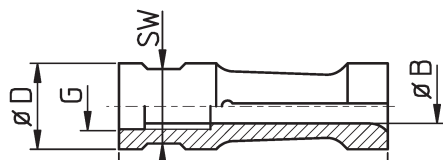
11

Spannhülsenlagerungen  
Spannhülsen  
Revolving Ends  
Bar Feed Collets

**BRITSCH**  
Spannzeuge GmbH

**Spannhülsen** für Lademagazine  
J. CUCCHI mit Aufschraubgewinde

**Bar Feed Collets** for Bar Loaders  
J. CUCCHI with Right Hand Thread



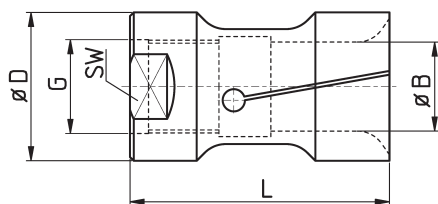
| Bestell-Nr.<br>order-no. | D  | G          | L  | SW | B von<br>from | B bis<br>to | stg.<br>step |
|--------------------------|----|------------|----|----|---------------|-------------|--------------|
| DC10                     | 10 | M6x0,75    | 50 | 8  | 2,0           | 9,0         | 0,1          |
| DC12                     | 12 | M7x0,75    | 52 | 10 | 3,0           | 11,0        | 0,1          |
| DC14                     | 14 | M8x1       | 52 | 12 | 4,0           | 12,5        | 0,1          |
| DC15                     | 15 | M8x1       | 52 | 13 | 4,0           | 14,0        | 0,1          |
| DC16                     | 16 | M8x1       | 52 | 14 | 4,0           | 15,0        | 0,1          |
| DC18                     | 18 | M10x1      | 59 | 14 | 4,0           | 17,0        | 0,5          |
| DC25                     | 25 | M14x1      | 59 | 22 | 10,0          | 23,0        | 0,5          |
| DC30                     | 30 | M18x1,5 re | 65 | 28 | 8,0           | 28,0        | 0,5          |

dünnwandige Spannhülsen auch als "Longlife" lieferbar

*Thin-walled bar feed collets also available in "Longlife"-type*

**Spannhülsen für Lademagazine**  
IEMCA, J. CUCCHI mit Aufschraubgewinde

**Bar Feed Collets for Bar Loaders**  
IEMCA, J. CUCCHI with Right Hand Thread



| Bestell-Nr.<br>order-no. | D  | G       | L  | SW | B von<br>from | B bis<br>to | stg.<br>step |
|--------------------------|----|---------|----|----|---------------|-------------|--------------|
| DIL29                    | 29 | M17x1   | 80 | 27 | 5,0           | 27,0        | 0,5          |
| DIL30                    | 30 | M17x1   | 80 | 27 | 5,0           | 28,0        | 0,5          |
| DIL32                    | 32 | M25x1,5 | 80 | 30 | 5,0           | 30,0        | 0,5          |
| DIL34                    | 34 | M25x1,5 | 80 | 30 | 20,0          | 32,0        | 0,5          |
| DIL36                    | 36 | M25x1,5 | 80 | 30 | 20,0          | 34,0        | 0,5          |
| DIL38                    | 38 | M25x1,5 | 80 | 36 | 20,0          | 36,0        | 0,5          |
| DIL40                    | 40 | M25x1,5 | 80 | 36 | 10,0          | 38,0        | 0,5          |
| DIL42                    | 42 | M25x1,5 | 80 | 36 | 10,0          | 40,0        | 0,5          |
| DIL44                    | 44 | M25x1,5 | 80 | 41 | 38,0          | 42,0        | 0,5          |
| DIL46                    | 46 | M25x1,5 | 80 | 41 | 39,0          | 44,0        | 0,5          |
| DIL48                    | 48 | M25x1,5 | 80 | 46 | 40,0          | 46,0        | 0,5          |

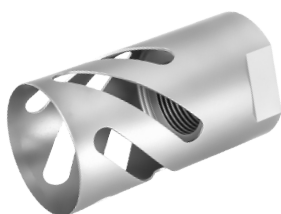
dünnwandige Spannhülsen auch als "Longlife" lieferbar

*Thin-walled bar feed collets also available in "Longlife"-type*

**Spannhülsen "Longlife" für**  
IEMCA, J. CUCCHI mit Aufschraubgewinde

**Bar Feed Collets "Longlife"**  
IEMCA, J. CUCCHI with Right Hand Thread

Vorteile der "Longlife"-Spannhülsen s. S. 3 - *Advantages of "Longlife" bar feed collets see page 3*



Ausführung  
Type L



Ausführung  
Type LS

Alle dünnwandigen Maße von "DI"-Spannhülsen auch in "Longlife"-Ausführung erhältlich  
*All thin-walled bar feed collets "DI" also available in "Longlife"-type*

Bei Bestellungen einfach "L" bzw. "LS" hinter die Bestell-Nr.

*When ordering simply "L" or "LS" after the order number*

Beispiele: - *examples:*

*DI30 27,5 L  
DI52 49,0 LS*

# 11.2 - 9

## Spannhülsen Bar Feed Collets

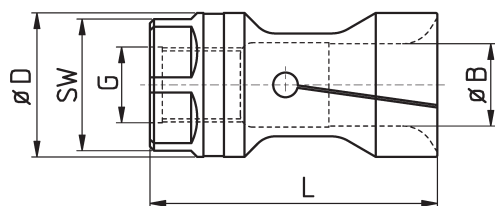
11

Spannhülsenlagerungen  
Spannhülsen  
Revolving Ends  
Bar Feed Collets

**BRITSCH**  
Spannzeuge GmbH

**Spannhülsen für Lademagazine**  
**P. CUCCHI mit Aufschraubgewinde links**

**Bar Feed Collets for Bar Loaders**  
**P. CUCCHI with Left Hand Thread**



| Bestell-Nr.<br>order-no. | Magazin<br>magazine | D         | G                 | L   | SW  | B von<br>from | B bis<br>to | stg.<br>step |
|--------------------------|---------------------|-----------|-------------------|-----|-----|---------------|-------------|--------------|
| DX19                     | CUCCHI PB20         | 19        | M10x1 L           | 60  | 17  | 4,0           | 17          | 0,1          |
| DX20                     | CUCCHI PB20         | 20        | M10x1 L           | 60  | 17  | 8,0           | 18,5        | 0,1          |
| DX23                     | CUCCHI PB23         | 23        | M14x1 L           | 60  | 21  | 4,0           | 21,0        | 0,5          |
| DX24                     | CUCCHI PB24         | 24        | M14x1 L           | 60  | 22  | 21,0          | 22,0        | 0,5          |
| DX25                     | CUCCHI PB24         | 25        | M14x1 L           | 60  | 22  | 6,0           | 23,5        | 0,5          |
| DX28                     | CUCCHI PB28         | 28        | M18x1,5 L         | 65  | 24  | 21,0          | 24          | 0,5          |
| DX29                     | CUCCHI PB30         | 29        | M18x1,5 L         | 65  | 27  | 5,0           | 27,5        | 0,5          |
| DX30                     | CUCCHI PB30         | 30        | M18x1,5 L         | 65  | 28  | 18,0          | 28          | 0,5          |
| DX32                     | CUCCHI PB32         | 32        | M18x1,5 L         | 65  | 28  | 20,0          | 30,0        | 0,5          |
| DX33                     | CUCCHI PB35A        | 33        | M18x1,5 L         | 70  | 30  | 25,0          | 31,0        | 0,5          |
| DX34                     | CUCCHI PB35A        | 34        | M18x1,5 L         | 70  | 30  | 8,0           | 32,5        | 0,5          |
| DX35                     | CUCCHI PB35         | 35        | M18x1,5 L         | 70  | 32  | 10,0          | 33,0        | 0,5          |
| DX37                     | CUCCHI PB38         | 37        | M25x1,5 L         | 70  | 32  | 10,0          | 35,0        | 0,5          |
| DX38                     | CUCCHI PB38         | 37,8      | M25x1,5 L         | 70  | 32  | 30,0          | 36,0        | 0,5          |
| DX39                     | CUCCHI PB38         | 39        | M25x1,5 L         | 70  | 36  | 16,0          | 37,0        | 0,5          |
| DX40                     | CUCCHI PB42         | 39,8      | M25x1,5 L         | 70  | 36  | 20,0          | 38,0        | 0,5          |
| DX41                     | CUCCHI PB42         | 41        | M25x1,5 L         | 70  | 36  | 19,0          | 40,0        | 0,5          |
| DX42                     | CUCCHI PB42         | 42        | M25x1,5 L         | 70  | 36  | 20,0          | 40,0        | 0,5          |
| DX43                     | CUCCHI PB42         | 42,8      | M25x1,5 L         | 70  | 36  | 20,0          | 41,0        | 0,5          |
| DX44                     | CUCCHI PB42         | 44        | M25x1,5 L         | 70  | 36  | 20,0          | 42,0        | 0,5          |
| DX47                     | CUCCHI PB48         | 47        | M30x1,5 L         | 70  | 40  | 10,0          | 45,0        | 0,5          |
| DX50                     | CUCCHI PB           | 49,7      | M30x1,5 L         | 70  | 50  | 20,0          | 48,0        | 0,5          |
| DX55                     | CUCCHI PB           | 55        | M30x1,5 L         | 80  | 50  | 20,0          | 53,0        | 0,5          |
| DX60                     | CUCCHI PB60         | 59 (59,7) | M30x1,5 L         | 80  | 56  | 19,0          | 58,0        | 0,5          |
| DX65                     | CUCCHI PB68         | 65        | M30x1,5 L         | 80  | 60  | 58,0          | 62,0        | 0,5          |
| DX70                     | CUCCHI PB70-72      | 69,5      | M30x1,5 L         | 80  | Nut | 60,0          | 67,0        | 0,5          |
| DX75                     | CUCCHI PB75         | 75        | M30x1,5 L         | 80  | Nut | 65,0          | 72,0        | 0,5          |
| DX88                     | CUCCHI PB90         | 88        | Bohrung / bore 40 | 110 | --  | 60,0          | 82          | 0,5          |
| DV34                     |                     | 34        | M25x1,5 L         | 70  | 30  | 10,0          | 33,0        | 0,5          |

Dünnwandige Spannhülsen auch als "Longlife" lieferbar

Thin-walled bar feed collets also available in "Longlife"-type

**Spannhülsen "Longlife" für  
P. CUCCHI mit Aufschraubgewinde links**

**Bar Feed Collets "Longlife" for  
P. CUCCHI with Left Hand Thread**

Vorteile der "Longlife"-Spannhülsen s. S. 3 - *Advantages of "Longlife" bar feed collets see page 3*



**Alle dünnwandigen Maße von "DX"-Spannhülsen auch in "Longlife"-Ausführung erhältlich**  
*All thin-walled bar feed collets "DI" also available in "Longlife"-type*

Bei Bestellungen einfach "L" bzw. "LS" hinter die Bestell-Nr.

Beispiele: - *examples:*

*When ordering simply "L" or "LS" after the order number*

**DX28L 26,5**  
**DX42LS 39,0**

**Spannhülsen mit Innenprofil  
4-kant und 6-kant**

**Bar Feed Collets with Inner Profile  
Square and Hexagonal**

**Alle Standardspannhülsen auch mit Innenprofilierung erhältlich. Äußere Maße identisch mit den Normalausführungen.**  
**Vorteile bei 4- / 6-kant-Material: Stärkere Klemmwirkung, absolut verdrehsicher**

*All standard types of bar feed collets are available with inner profile. Outside dimensions are identical with standard types.*

*Advantages for sq / hex material: Stronger clamping, absolutely lock of distortion*



| Typ<br>type | Magazine<br>magazines           | Seite<br>page |
|-------------|---------------------------------|---------------|
| D           | FMB, IEMCA, LNS, TRAUB, TORNOS  | 1             |
| TD          | FMB, BREUNING IRCO, LNS, TORNOS | 4             |
| DI          | IEMCA                           | 6             |
| DX          | P. CUCCHI                       | 9             |

Bei Bestellungen einfach "VK" bzw. "SK" hinter die Bestell-Nr.

Beispiele: - *examples:*

*When ordering simply "VK" or "SK" after the order number*

**DX28 26,5 VK (4-kt / sq)**  
**DX42 39,0 SK (6-kt / hex)**

## 11.2 - 11

### Spannhülsen Bar Feed Collets

## 11

Spannhülsenlagerungen  
Spannhülsen  
Revolving Ends  
Bar Feed Collets

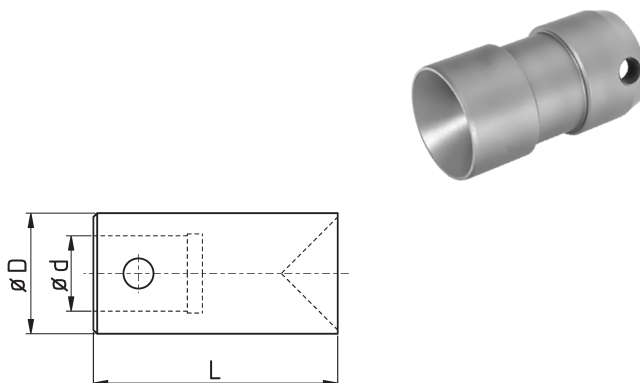
**BRITSCH**  
Spannzeuge GmbH

**Zentrierhülsen f. Lademagazine**  
FMB, IEMCA, LNS, TRAUB, TORNOS

**Bar Feed Cone Collets for Bar Loaders**  
FMB, IEMCA, LNS, TRAUB, TORNOS

Materialausstoß nach vorn - *For front ejection*

| Bestell-Nr.<br>order-no. | D  | d  | L  |
|--------------------------|----|----|----|
| D10 K                    | 10 | 7  | 40 |
| D12 K                    | 12 | 8  | 40 |
| D15 K                    | 15 | 11 | 40 |
| D18 K                    | 18 | 11 | 40 |
| D20 K                    | 20 | 14 | 65 |
| D22 K                    | 22 | 14 | 65 |
| D25 K                    | 25 | 20 | 65 |
| D28 K                    | 28 | 20 | 65 |
| D30 K                    | 30 | 20 | 65 |
| D32 K                    | 32 | 20 | 65 |
| D36 K                    | 36 | 20 | 65 |

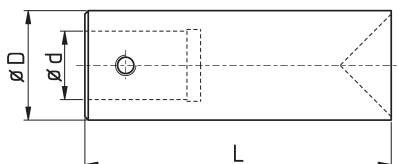


**Zentrierhülsen f. Lademagazine**  
FMB, IRCO, LNS, TORNOS

**Bar Feed Cone Collets for Bar Loaders**  
FMB, IRCO, LNS, TORNOS

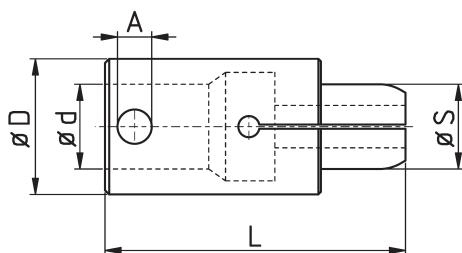
Materialausstoß nach vorn - *For front ejection*

| Bestell-Nr.<br>order-no. | D  | d  | L  |
|--------------------------|----|----|----|
| TD25 K                   | 25 | 20 | 90 |
| TD30 K                   | 30 | 20 | 90 |
| TD32 K                   | 32 | 20 | 90 |
| TD34 K                   | 34 | 20 | 90 |
| TD36 K                   | 36 | 20 | 90 |
| TD40 K                   | 40 | 20 | 90 |
| TD42 K                   | 42 | 20 | 90 |
| TD45 K                   | 45 | 20 | 90 |
| TD50 K                   | 50 | 20 | 90 |
| TD60 K                   | 60 | 20 | 90 |
| TD65 K                   | 65 | 20 | 90 |
| TD67 K                   | 67 | 20 | 90 |



**Spanndorne / Innenspannhülsen für Rohre**  
FMB, IEMCA, LNS, TRAUB, TORNOS

**Bar Feed Collets for Internal Gripping**  
FMB, IEMCA, LNS, TRAUB, TORNOS



| Bestell-Nr.<br>order-no. | D  | G / d | A | L  | S von<br>from | S bis<br>to | stg.<br>step |
|--------------------------|----|-------|---|----|---------------|-------------|--------------|
| D10SP                    | 10 | 7     | 4 | 40 | 5,0           | 9,0         | 1,0          |
| D12SP                    | 12 | 8     | 4 | 40 | 5,0           | 11,0        | 1,0          |
| D15SP                    | 15 | 11    | 6 | 40 | 5,0           | 14,0        | 1,0          |
| D16SP                    | 16 | 11    | 6 | 40 | 8,0           | 15,0        | 1,0          |
| D18SP                    | 18 | 11    | 6 | 40 | 5,0           | 17,0        | 1,0          |
| D20SP                    | 20 | 14    | 8 | 65 | 5,0           | 19,0        | 1,0          |
| D22SP                    | 22 | 14    | 8 | 65 | 5,0           | 21,0        | 1,0          |
| D25SP                    | 25 | 20    | 8 | 65 | 5,0           | 24,0        | 1,0          |
| D28SP                    | 28 | 20    | 8 | 65 | 8,0           | 27,0        | 1,0          |
| D30SP                    | 30 | 20    | 8 | 65 | 8,0           | 29,0        | 1,0          |
| D32SP                    | 32 | 20    | 8 | 65 | 6,0           | 31,0        | 1,0          |
| D36SP                    | 36 | 20    | 8 | 65 | 8,00          | 35,0        | 1,0          |
| D42SP                    | 42 | 20    | 8 | 65 | 10,0          | 41,0        | 1,0          |
| D52SP                    | 52 | 20    | 8 | 65 | 10,0          | 51,0        | 1,0          |

Zollmaße bis 1/16"-stg. ohne Aufpreis

Imperial sizes up to 1/16"-step without extra charge

**Spanndorne / Innenspannhülsen für Rohre**  
IEMCA (DI) und P.CUCCHI (DX)

**Bar Feed Collets for Internal Gripping**  
IEMCA (DI) and P. CUCCHI (DX)



Ausführung  
Type DI



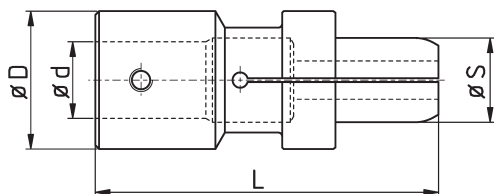
Ausführung  
Type DX

Alle "DI"- und "DX"- Spannhülsen auch als Spanndorne erhältlich, vgl. S. 9 + 9  
All "DI" and "DX" bar feed collets also available as bar feed collets for internal gripping, see page 6 + 9

Viele Maße auf Lager, bitte fragen Sie an

many sizes available in stock, please request

Best.Nr:  
order-no.: DI . . SP bzw. DX . . SP

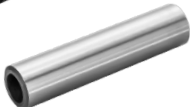
Spanndorne / Innenspannhülsen für Rohre  
"Turbo" für FMB, BREUNING IRCO, LNS, TORNOSBar Feed Collets for Internal Gripping  
"Turbo" for FMB, BREUNING IRCO, LNS, TORNOS

| Bestell-Nr.<br>order-no. | D   | d  | L  | Gew | S von<br>from | S bis<br>to | stg.<br>step |
|--------------------------|-----|----|----|-----|---------------|-------------|--------------|
| TD25SP                   | 25  | 20 | 90 | M5  | 5,0           | 24,0        | 1,0          |
| TD30SP                   | 30  | 20 | 90 | M6  | 8,0           | 29,0        | 1,0          |
| TD32SP                   | 32  | 20 | 90 | M6  | 8,0           | 31,0        | 1,0          |
| TD34SP                   | 34  | 20 | 90 | M6  | 28,0          | 33,0        | 1,0          |
| TD36SP                   | 36  | 20 | 90 | M8  | 10,0          | 35,0        | 1,0          |
| TD38SP                   | 38  | 20 | 90 | M8  | 12,0          | 37,0        | 1,0          |
| TD40SP                   | 40  | 20 | 90 | M8  | 15,0          | 39,0        | 1,0          |
| TD42SP                   | 42  | 20 | 90 | M8  | 15,0          | 41,0        | 1,0          |
| TD45SP                   | 45  | 20 | 90 | M8  | 15,0          | 44,0        | 1,0          |
| TD50SP                   | 50  | 20 | 90 | M8  | 20,0          | 49,0        | 1,0          |
| TD60SP                   | 60  | 20 | 90 | M8  | 26,0          | 59,0        | 1,0          |
| TD65SP                   | 65  | 20 | 90 | M8  | 30,0          | 64,0        | 1,0          |
| TD70SP                   | 70  | 20 | 90 | M8  | 30,0          | 69,0        | 1,0          |
| TD75SP                   | 75  | 20 | 90 | M8  | 35,0          | 74,0        | 1,0          |
| TD80SP                   | 80  | 20 | 90 | M8  | 40,0          | 79,0        | 1,0          |
| TD90SP                   | 90  | 20 | 90 | M8  | 50,0          | 89,0        | 1,0          |
| TD100SP                  | 100 | 20 | 90 | M8  | 60,0          | 90,0        | 1,0          |

Zollmaße bis 1/16"-stg. ohne Aufpreis

Imperial sizes up to 1/16"-step without extra charge

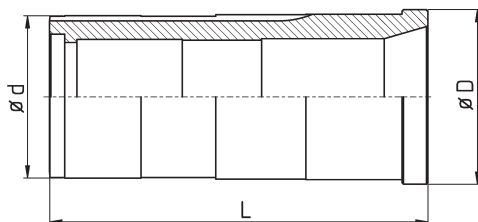


|                                                                                     |                                                                                     |                                                                         |             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------|
| <b>Collet Sleeves</b>                                                               |    | <b>Druckhülsen</b>                                                      | <b>12.1</b> |
| <b>Cap Nuts for Collet Sleeves</b>                                                  |    | <b>Überwurfmuttern<br/>für Druckhülsen</b>                              | <b>12.2</b> |
| <b>Pressure Tubes<br/>Spacer Tubes</b><br><i>only in the main catalog</i>           |    | <b>Druckrohre<br/>Distanzstücke</b><br><i>nur im Hauptkatalog</i>       | <b>12.3</b> |
| <b>Chuck Lever Bearings<br/>Clamping Sleeves</b><br><i>only in the main catalog</i> |    | <b>Spannfingerlager<br/>Spannmuffen</b><br><i>nur im Hauptkatalog</i>   | <b>12.4</b> |
| <b>Chuck Levers</b><br><i>only in the main catalog</i>                              |    | <b>Spannfinger</b><br><i>nur im Hauptkatalog</i>                        | <b>12.5</b> |
| <b>Sliding Sleeves</b><br><i>only in the main catalog</i>                           |   | <b>Schiebehülsen</b><br><i>nur im Hauptkatalog</i>                      | <b>12.6</b> |
| <b>Guide Bush Nuts</b><br><i>only in the main catalog</i>                           |  | <b>Führungsbüchsen-<br/>Anzugsmuttern</b><br><i>nur im Hauptkatalog</i> | <b>12.7</b> |

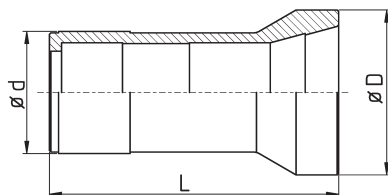
## Druckhülsen

## Collet Sleeves

DH-TORN-SIGMA32/A/F37



DH-TRAU-TD26//F32



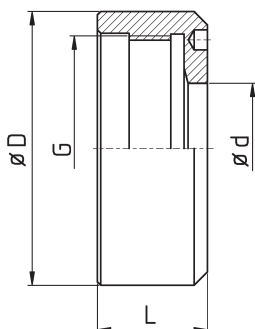
DH-TRAU-TD26//F32

| Bestell-Nr.<br>order-no.  | Maschine / Typ<br>machine / type | A / B -<br>Spindel | D     | d  | L     | Zange<br>collet | ÜM<br>nut * |
|---------------------------|----------------------------------|--------------------|-------|----|-------|-----------------|-------------|
| DH-TORN-DECO2000-10//F13  | TORNOS Deco2000/10               |                    | 24/22 | 18 | 84,9  | 116E / F13      |             |
| DH-TORN-DECO2000-13//136E | TORNOS Deco2000/13               |                    | 30    | 30 | 91    | 136E / F20      | X           |
| DH-TORN-DECO2000-20//F25  | TORNOS Deco2000/20               |                    | 42/40 | 38 | 105   | 145E / F25      |             |
| DH-TORN-DECO2000-20//F30  | TORNOS Deco2000/20               |                    | 44/40 | 38 | 110   | 1446E / F30     |             |
| DH-TORN-DECO2000-25//F37  | TORNOS Deco2000/25-26            |                    | 54    | 50 | 130   | 1536E / F37     |             |
| DH-TORN-ENC164//136E      | TORNOS ENC164                    |                    | 30    | 30 | 69    | 136E / F20      |             |
| DH-TORN-ENC262//F30       | TORNOS ENC262-264                |                    | 44    | 42 | 105   | 1446E / F30     |             |
| DH-TORN-M15//F20          | TORNOS M15                       |                    | 32    | 28 | 95    | 138E / F20      |             |
| DH-TORN-M20//F25          | TORNOS M20                       |                    | 40    | 33 | 109,7 | 145E / F25      |             |
| DH-TORN-MS7//F13          | TORNOS MS7                       |                    | 24/22 | 18 | 85    | 116E / F13      |             |
| DH-TORN-R10//F15          | TORNOS R10                       |                    | 26    | 22 | 90    | 120E / F15      | X           |
| DH-TORN-R16//F20          | TORNOS R16                       |                    | 33    | 23 | 114   | 138E / F20      |             |
| DH-TORN-SIGMA32/A/F37     | TORNOS Sigma32                   | A                  | 57/54 | 53 | 124   | 1536E / F37     |             |
| DH-TORN-SIGMA32/A/F42     | TORNOS Sigma32                   | A                  | 57/54 | 53 | 124   | 171E / F42      |             |
| DH-TORN-T4//F8            | TORNOS T4                        |                    | 15    | 15 | 51    | 101E / F8       |             |

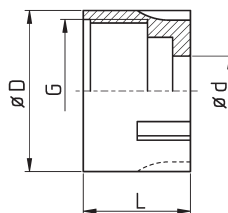
A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*\* ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*

### Überwurfmutter für Druckhülsen

### Cap Nuts for Collet Sleeves



MU-SPIN-TC32//F38



MU-TORN-DECO2000-13//136E



| Bestell-Nr.<br>order-no.  | Maschine / Typ<br>machine / type | A / B -<br>Spindel | D    | G         | L  | Zange<br>collet |
|---------------------------|----------------------------------|--------------------|------|-----------|----|-----------------|
| MU-TORN-AS14/B/F16        | TORNOS AS14                      | B                  | 38   | M32x1L    | 15 | 1212E / F16     |
| MU-TORN-DECO2000-13//136E | TORNOS Deco2000/13               |                    | 45   | M40x1,5   | 30 | 136E / F20      |
| MU-TORN-R10//F15          | TORNOS R10                       |                    | 37,5 | M33x1,25L | 17 | 120E / F15      |

A = Hauptspindel - *main spindle*    B = Abgreifspindel - *sub spindle*

## Roller, Roller Bolts



## Rollen, Rollenbolzen

13.1

## Cam Disks

*only in the main catalog*



## Kurven, Kurvenscheiben

*nur im Hauptkatalog*

13.2

## Bar Stops

*only in the main catalog*



## Werkstoffanschläge

*nur im Hauptkatalog*

13.3

## Revolving Centers



## Mitlaufende Spitzen

13.4

## Screws, Springs

*only in the main catalog*



## Schrauben, Federn

*nur im Hauptkatalog*

13.5

## Edge Finders

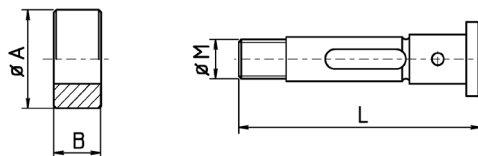


## Kantentaster

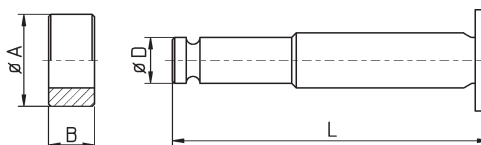
13.6

**Rollen, Rollenbolzen für TORNOS**

**Rollers, Roller Bolts for TORNOS**



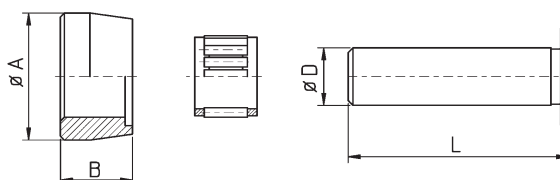
|                                  | Bestell-Nr.<br>order-no. | A  | B  | L  | M  | Maschine<br>machine | Orig. Ersatzteil-Nr.<br>orig. spare part no. |
|----------------------------------|--------------------------|----|----|----|----|---------------------|----------------------------------------------|
| Rolle - <b>roller</b>            | U2010-SS                 | 20 | 12 |    |    | TORNOS AS/SAS       |                                              |
| Rollenachse - <b>roller axle</b> | U2015-SS                 |    |    | 52 | M8 | TORNOS AS/SAS       |                                              |



|                                  | Bestell-Nr.<br>order-no. | A  | D  | L  | B  | Maschine<br>machine | Orig. Ersatzteil-Nr.<br>orig. spare part no. |
|----------------------------------|--------------------------|----|----|----|----|---------------------|----------------------------------------------|
| Rolle - <b>roller</b>            | U2010-TO                 | 24 |    |    | 12 | TORNOS AS/SAS       | AS 1365                                      |
| Rollenachse - <b>roller axle</b> | U2015-TO                 |    | 10 | 68 |    | TORNOS AS/SAS       | AS 28299                                     |

**Rollen, Rollenbolzen**

**Rollers, Roller Bolts**



|                                                      | Bestell-Nr.<br>order-no. | A    | D  | L  | B  | Maschine<br>machine | Orig. Ersatzteil-Nr.<br>orig. spare part no. |
|------------------------------------------------------|--------------------------|------|----|----|----|---------------------|----------------------------------------------|
| Rolle - <b>roller</b>                                | U2010-SAT                | 26,5 |    |    | 15 | TORNOS AS14         |                                              |
| Rolle - <b>roller</b>                                | U2010-SA                 | 26,5 |    |    | 15 | TORNOS AS14         | Original                                     |
| Rollenbolzen - <b>roller bolt</b>                    | U2015-SAT                |      | 12 | 46 |    | TORNOS AS14         |                                              |
| Nadellager                                           | KBK121713                |      |    |    |    | TORNOS AS14         |                                              |
| Rollenbolzen komplett<br><b>roller bolt complete</b> | U2010-SAS                | 26,5 | 12 | 40 |    | TORNOS<br>SAS 16    | Original                                     |
| Rolle - <b>roller</b>                                | U2011-SAS                | 26,5 |    |    |    | SAS16               |                                              |

# 13.4 - 1

## Mitlaufende Spitzen Revolving Centers

13

Allgemeines Zubehör für CNC- und  
kurvengesteuerte Drehautomaten  
General Specific Parts for CNC- and  
Cam-Controlled Lathes

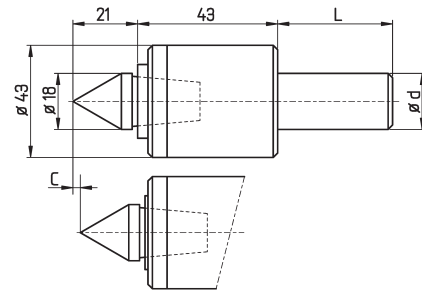
**BRITSCH**  
Spannzeuge GmbH

### Mitlaufende Spitzen, gefedert

### Revolving Centers, Sprung

| Bestell-Nr.<br>order-no. | d  | L  |
|--------------------------|----|----|
| V172.420                 | 20 | 46 |
| V172.422                 | 22 | 46 |
| V172.425                 | 25 | 46 |
| V172.432                 | 32 | 46 |

Lieferung mit Spitze V172.401  
Provided with insert V172.401



C = 3 mm = Andruckweg / Kompensation  
Compensation

### Mitlaufende Spitzen, gefedert, besonders schlanke Bauform

### Revolving Centers, Sprung, Extra Slim Version

| Bestell-Nr.<br>order-no. | MK | D  | d  | F   | L   | S  |
|--------------------------|----|----|----|-----|-----|----|
| V172.520                 | -  | 20 | 8  | 2,5 | 79  | 25 |
| V172.522                 | -  | 22 | 8  | 2,5 | 79  | 25 |
| V172.525                 | -  | 25 | 12 | 4   | 94  | 25 |
| V172.532                 | -  | 32 | 18 | 4,7 | 116 | 35 |

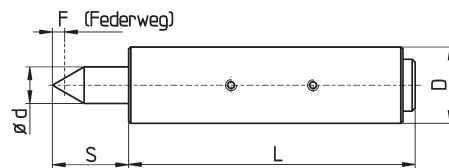


Bild 1

Typ V172.5xx Rundlauf 0,003  
Lieferbar in 3 verschiedenen Härten der Andruckfedern:  
standard ca. 150 N, weich ca. 50 N, extra weich ca. 10 N  
(je schwächer die Feder, desto schlechter der Rundlauf)  
Kleinste Baumaße  
Sondereinsätze auf Wunsch!

Concentric runout 0,003  
Available in 3 different spring-grades:  
standard ca. 150 N, soft ca. 50 N, extra soft ca. 10 N  
(the weaker the spring, the worse the runout)  
Smallest dimensions  
Special inserts on demand

## Kantentaster

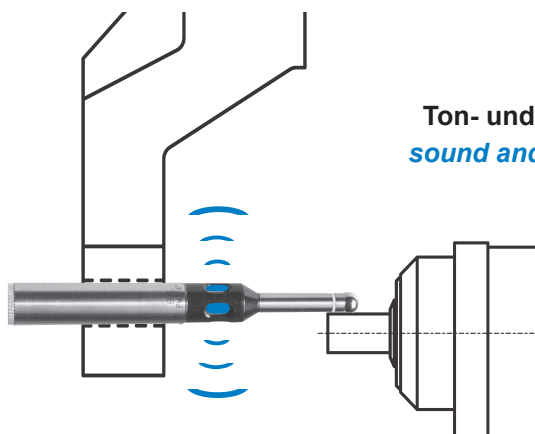
## Edge Finders

Nicht nur für Fräsmaschinen -

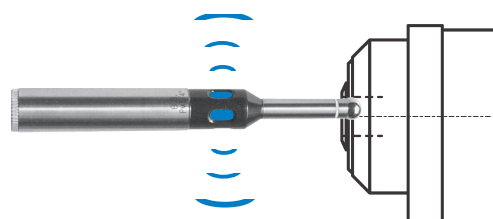
*Not only for milling machines*

Schnell und präzise einsetzbar bei allen 3-Achsen-  
Drehmaschinen

(CNC-Langdreher z.B. STAR, CITIZEN)  
zum Bestimmen der Werkzeug- / Materialachsen

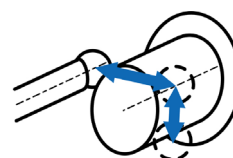


Ton- und Lichtsignal bei Berührung  
*sound and light signal when touching*



| Bestell-Nr.<br>order-no. | D  | L   | L <sub>1</sub> |
|--------------------------|----|-----|----------------|
| KTE16                    | 16 | 100 | 28             |
| KTE20                    | 20 | 158 | 46             |
| KTE22                    | 22 | 158 | 46             |
| KTE25                    | 25 | 158 | 46             |

Prinzip:  
*principle:*



3 Punkte an der Welle oder Bohrung antasten  
⇒ exakte Lage der Achsen

*Touching 3 points on the spindle ore bore  
⇒ exactly positions of the center lines*

*only in the main catalog**only in the main catalog**only in the main catalog**only in the main catalog**only in the main catalog**only in the main catalog**only in the main catalog**only in the main catalog***INDEX**

nur im Hauptkatalog

**14.1****TRAUB**

nur im Hauptkatalog

**14.2****STAR**

nur im Hauptkatalog

**14.3****SPINNER**

nur im Hauptkatalog

**14.4****TORNOS****14.5****STROHM**

nur im Hauptkatalog

**14.6****HAAS**

nur im Hauptkatalog

**14.7****MORI SEIKI**

nur im Hauptkatalog

**14.8****PITTLER / DREHMA**

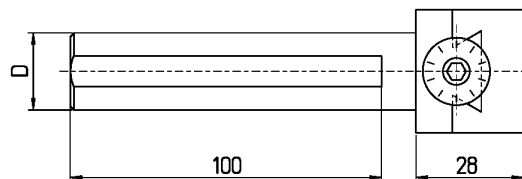
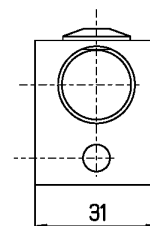
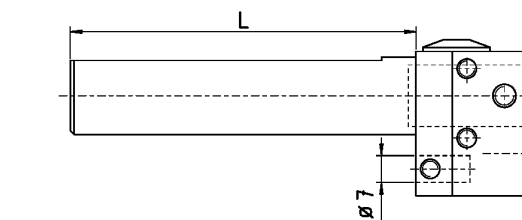
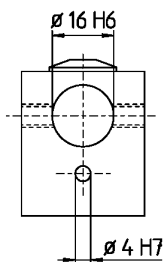
nur im Hauptkatalog

**14.9**

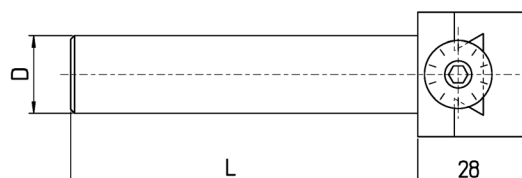


**Höhenverstellbare Werkzeughalter**  
mit Mikrometerfeineinstellung 0,02

**Height Adjustable Tool Holders**  
Adjusted by Micrometer Screw 0,02

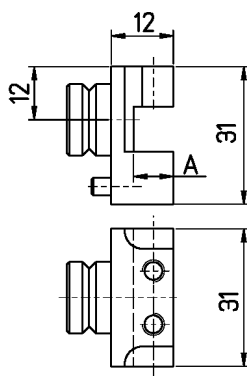


**Bild1:**  
Mit Spannfläche (WD)  
With clamping flat (WD)

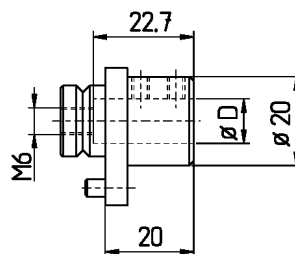


**Bild 2:**  
Ohne Spannfläche  
Without clamping flat

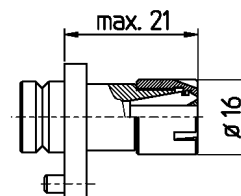
**Einsätze - Inserts**



**Bild 3:** Vierkant-Aufnahme  
Square adapter



**Bild 4:** Weldon-Aufnahme  
Weldon adapter



**Bild 5:** ER11 / ER11M  
ER-collet adapter

| Halter - holders         |      |     |      |
|--------------------------|------|-----|------|
| Bestell-Nr.<br>order-no. | D    | L   | Bild |
| U236-16                  | 16   | 60  | 2    |
| U236-19                  | 3/4" | 110 | 2    |
| U236-20                  | 20   | 110 | 2    |
| U236-20K                 | 20   | 70  | 2    |
| U236-20T                 | 20   | 140 | 2    |
| U236-20TWD               | 20   | 140 | 1    |
| U236-22                  | 22   | 110 | 2    |
| U236-25                  | 25   | 110 | 2    |
| U236-28                  | 28   | 110 | 2    |

| Einsätze - inserts       |         |    |      |
|--------------------------|---------|----|------|
| Bestell-Nr.<br>order-no. | A       | D  | Bild |
| U236-E88                 | 8 x 8   |    | 3    |
| U236-E1010               | 10 x 10 |    | 3    |
| U236-W08                 |         | 8  | 4    |
| U236-W10                 |         | 10 | 4    |
| U236-W12                 |         | 12 | 4    |
| U236-ER11                |         |    | 5    |
| U236-ER11M               |         |    | 5    |