

- 1** Pendelhalter ER, einstellbar  
*Adjustable Reamer Holders ER*
- 2** Pendelhalter ER, schlanke Bauform  
*Reamer Holders ER, Slim Type*
- 3** Pendelhalter ER mit Morsekonus, einstellbar  
*Adjustable Reamer Holders ER with Morse Cone*
- 4, 5** Pendelhalter ER mit innerer Kühlmittelzufuhr  
*Reamer Holders ER with Inner Coolant*
- 6 - 8** Pendelhalter ER, besonders schlanke Bauform  
*Adjustable Reamer Holders ER, Extra Slim Type*
- 9** Einstellschlüssel für Pendelhalter EP  
*Adjusting Spanners for Reamer Holders Type EP*

**Technische Informationen**

**Technical Informations**

- 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

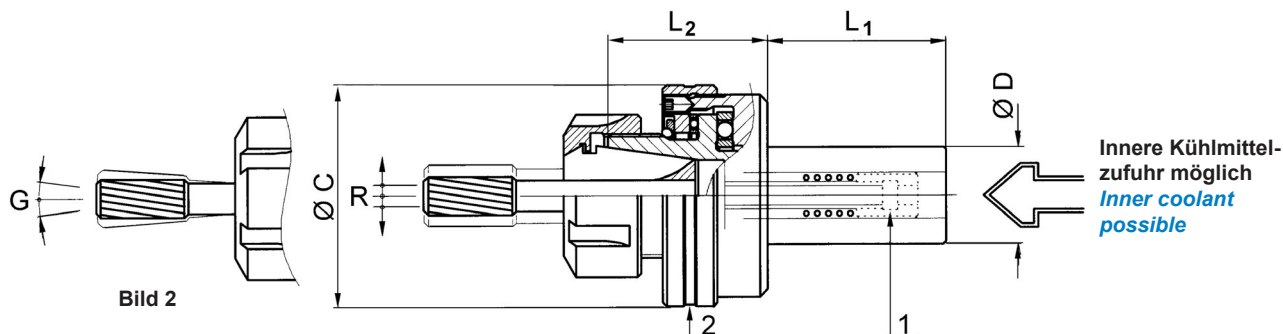
- *Reamer holders could be used for compensate misalignment while tapping on CNC-machines*
- *All reamer holders will be supplied with clamping Nut (standard)*
- *Reamer holders with "AK" will be supplied with sealed nut type Rego-fix*
- *Abbreviations for holders see technical Informations chapter 2.1*
- *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*

### 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



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| Bestell-Nr.<br>order-no. | Zange<br>collet | Mutter<br>nut | D    | C  | L <sub>1</sub> | L <sub>2</sub> | R |
|--------------------------|-----------------|---------------|------|----|----------------|----------------|---|
| V155.715 *               | ER11            | ER11A         | 5/8" | 42 | 46             | 34             | 1 |
| V155.716 *               | ER11            | ER11A         | 16   | 42 | 46             | 34             | 1 |
| V155.719 *               | ER11            | ER11A         | 3/4" | 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 |
| V155.726 *               | ER11            | ER11A         | 1"   | 42 | 46             | 34             | 1 |
|                          |                 |               |      |    |                |                |   |
| V155.015                 | ER16            | UM/ER16       | 5/8" | 42 | 46             | 33             | 1 |
| V155.016                 | ER16            | UM/ER16       | 16   | 42 | 46             | 33             | 1 |
| V155.019                 | ER16            | UM/ER16       | 3/4" | 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 |
| V155.026                 | ER16            | UM/ER16       | 1"   | 42 | 46             | 33             | 1 |
|                          |                 |               |      |    |                |                |   |
| V155.116                 | ER20            | UM/ER20       | 16   | 50 | 46             | 39             | 1 |
| V155.119                 | ER20            | UM/ER20       | 3/4" | 50 | 46             | 39             | 1 |
| V155.120                 | ER20            | UM/ER20       | 20   | 50 | 46             | 39             | 1 |
| V155.125                 | ER20            | UM/ER20       | 25   | 50 | 46             | 39             | 1 |
| V155.126                 | ER20            | UM/ER20       | 1"   | 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   |
| V155.219                 | ER25            | UM/ER25       | 3/4"   | 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   |
| V155.226                 | ER25            | UM/ER25       | 1"     | 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 |
| V155.326                 | ER32            | UM/ER32       | 1"     | 69 | 50             | 45             | 1,5 |
| V155.330                 | ER32            | UM/ER32       | 30     | 69 | 50             | 45             | 1,5 |
| V155.331                 | ER32            | UM/ER32       | 1 1/4" | 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 |
| V155.426                 | ER40            | UM/ER40       | 1"     | 79 | 50             | 49             | 1,5 |
| V155.430                 | ER40            | UM/ER40       | 30     | 79 | 50             | 49             | 1,5 |
| V155.431                 | ER40            | UM/ER40       | 1 1/4" | 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 - 2

### Pendelhalter Reamer Holders

## 6

### Pendelhalter Reamer Holders

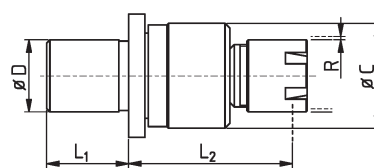
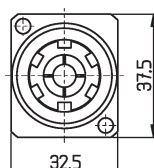
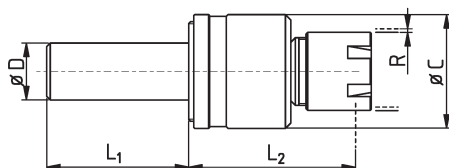
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#### Pendelhalter, einstellbar mit Zangenspannung

#### Adjustable Reamer Holders

- Schlanke Bauform, parallel kugellagert, präzise Führung
- Exaktes Parallelpendeln  
(Freipendeln wie Seite 6.1-1 nicht möglich)
- Zum Ausgleich von Fluchtungsfehlern beim Einsatz auf CNC-Werkzeugmaschinen
- Federkraft (Zentrierkraft) verstellbar
- Incl. Standardmutter

- *Slim dimensions, accurate parallel floating*
- *Ball bearing guided*
- *No axial float possible*
- *Spring pressure adjustable*
- *Incl. standard nut*



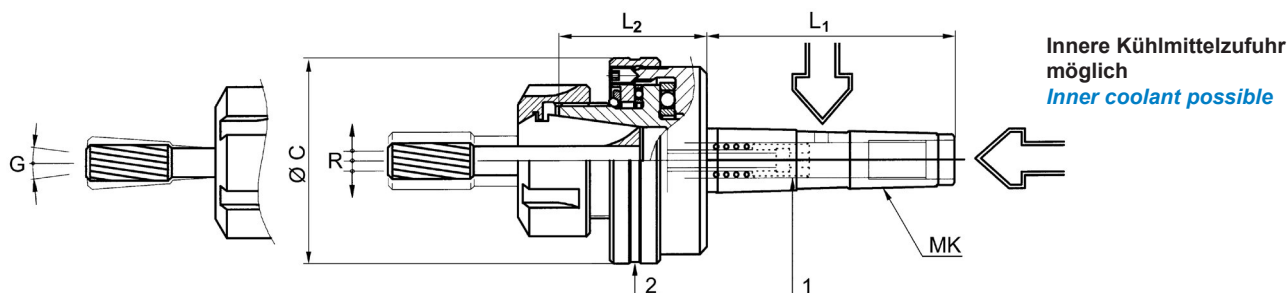
| Bestell-Nr.<br>order-no. | Zange<br>collet | Mutter<br>nut | D    | C  | L <sub>1</sub> | L <sub>2</sub> | R |
|--------------------------|-----------------|---------------|------|----|----------------|----------------|---|
| V155.516                 | ER11            | UM/ER11       | 16   | 32 | 50             | 40             | 1 |
| V155.519                 | ER11            | UM/ER11       | 3/4" | 32 | 46             | 40             | 1 |
| V155.520                 | ER11            | UM/ER11       | 20   | 32 | 50             | 40             | 1 |
| V155.522                 | ER11            | UM/ER11       | 22   | 32 | 60             | 40             | 1 |
| V155.522SW               | ER11            | UM/ER11       | 22   | 32 | 25             | 40             | 2 |
| V155.525                 | ER11            | UM/ER11       | 25   | 32 | 50             | 40             | 1 |
| V155.526                 | ER11            | UM/ER11       | 1"   | 32 | 40             | 40             | 1 |
| V155.616                 | ER16            | ER16M         | 16   | 32 | 50             | 44             | 1 |
| V155.619                 | ER16            | ER16M         | 3/4" | 32 | 46             | 44             | 1 |
| V155.620                 | ER16            | ER16M         | 20   | 32 | 50             | 44             | 1 |
| V155.622                 | ER16            | ER16M         | 22   | 32 | 60             | 44             | 1 |
| V155.622SW               | ER16            | ER16M         | 22   | 32 | 25             | 44             | 2 |
| V155.625                 | ER16            | ER16M         | 25   | 32 | 50             | 44             | 1 |
| V155.626                 | ER16            | ER16M         | 1"   | 32 | 50             | 44             | 1 |

### Pendelhalter, einstellbar mit Morsekonus

### Adjustable Reamer Holders with Morse Cone

- Einsatz: Freipendelnd und parallelpendelnd s. techn. Informationen S.1
- Kann auch zum Ausgleich von Fluchtungsfehlern für starres Gewindebohren auf CNC-Werkzeugmaschinen eingesetzt werden.
- Incl. Standardmutter

- Axial and parallel floating
- See technical information page 1
- Incl. standard nut



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| Bestell-Nr.<br>order-no. | Zange<br>collet | Mutter<br>nut | MK  | C  | L <sub>1</sub> | L <sub>2</sub> | R   |
|--------------------------|-----------------|---------------|-----|----|----------------|----------------|-----|
| V155.702                 | ER11            | UM/ER11       | MK2 | 42 | 69             | 34             | 1   |
| V155.703                 | ER11            | UM/ER11       | MK3 | 42 | 86             | 34             | 1   |
| V155.002                 | ER16            | UM/ER16       | MK2 | 42 | 69             | 34             | 1   |
| V155.003                 | ER16            | UM/ER16       | MK3 | 42 | 86             | 34             | 1   |
| V155.102                 | ER20            | UM/ER20       | MK2 | 50 | 69             | 39             | 1   |
| V155.103                 | ER20            | UM/ER20       | MK3 | 50 | 86             | 39             | 1   |
| V155.202                 | ER25            | UM/ER25       | MK2 | 57 | 69             | 41             | 1   |
| V155.203                 | ER25            | UM/ER25       | MK3 | 57 | 86             | 41             | 1   |
| V155.303                 | ER32            | UM/ER32       | MK3 | 69 | 86             | 45             | 1.5 |
| V155.304                 | ER32            | UM/ER32       | MK4 | 69 | 109            | 45             | 1.5 |
| V155.403                 | ER40            | UM/ER40       | MK3 | 79 | 86             | 49             | 1.5 |
| V155.404                 | ER40            | UM/ER40       | MK4 | 79 | 109            | 49             | 1.5 |

### Austreiberlappen für MK-Futter

### Ejector Drifts for MT-Holders

S. Kap. 2.1 - 22

see chapter 2.1 - 22

### Pendelhalter, einstellbar mit VDI-Schaft

### Adjustable Reamer Holders with VDI-Shank

S. Kap. 4

see chapter 4

# 6.1 - 4

## Pendelhalter Reamer Holders

# 6

## Pendelhalter Reamer Holders

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### 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

Für STAR-Maschinen:  
*For STAR-machines*  
(Rückseitenbearbeitung)  
*(back working)*

SR16/20: PH1116SRAK1  
SR20R: PH1122SRRAK1  
SR32: PH1122SRAK1

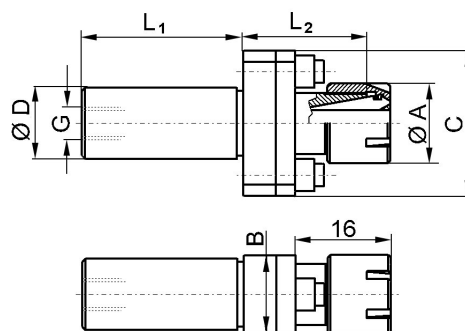


Ausführung IK



Ausführung AK

| Bestell-Nr.<br>order-no. | D    | C  | B  | L <sub>1</sub> | L <sub>2</sub> | G     |
|--------------------------|------|----|----|----------------|----------------|-------|
| PH111032                 | 10   | 45 | 24 | 32             | 32             | *     |
| PH111040                 | 10   | 45 | 24 | 40             | 32             | *     |
| PH111232                 | 12   | 45 | 24 | 32             | 32             | *     |
| PH111240                 | 12   | 45 | 24 | 40             | 32             | *     |
| PH111620                 | 16   | 45 | 24 | 20             | 32             | *     |
| PH11V20 #                | 20   | 45 | 24 | 40             | 50             | #     |
| PH111445IK               | 14   | 45 | 24 | 45             | 32             | G1/8" |
| PH111650IK               | 16   | 45 | 24 | 50             | 32             | G1/8" |
| PH111680IK               | 16   | 45 | 24 | 80             | 32             | G1/8" |
| PH111950IK               | 3/4" | 45 | 24 | 50             | 32             | G1/8" |
| PH111970IK               | 3/4" | 45 | 24 | 70             | 32             | G1/8" |
| PH1119120IK              | 3/4" | 45 | 24 | 120            | 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" |
| PH112650IK               | 1"   | 45 | 24 | 50             | 32             | G1/8" |
| PH112670IK               | 1"   | 45 | 24 | 70             | 32             | G1/8" |
| PH112870IK               | 28   | 45 | 24 | 70             | 32             | G1/8" |
| PH111032AK1              | 10   | 45 | 24 | 32             | 40             | G1/8" |
| PH111232AK1              | 12   | 45 | 24 | 32             | 40             | 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" |
| PH1116SRAK1              | 16   | 45 | 24 | 25             | 37             | G1/8" |
| PH1122SRAK1              | 22   | 45 | 24 | 25             | 37             | G1/8" |
| PH1122SRRAK1             | 22   | 45 | 24 | 25             | 37             | G1/8" |



\* ohne Kühlmittelanschluss  
# Halter mit VDI-Schaft

\* *without inner coolant*  
# *Reamer holder with VDI-shank*

### 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

Für STAR-Maschinen:  
*For STAR-machines*  
(Rückseitenbearbeitung)  
*(back working)*

SR16/20: PH1616SRAK1  
SR20R: PH1622SRRAK1  
SR32: PH1622SRAK1



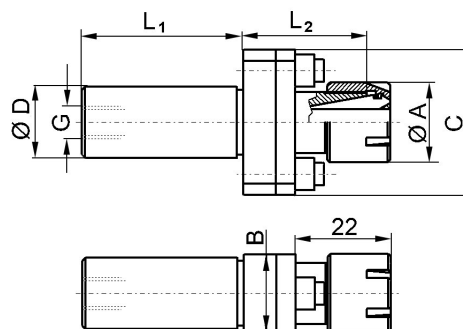
Ausführung IK



Ausführung AK

6

| Bestell-Nr.<br>order-no. | D    | B  | C  | L <sub>1</sub> | L <sub>2</sub> | G     |
|--------------------------|------|----|----|----------------|----------------|-------|
| PH161032                 | 10   | 45 | 24 | 32             | 32             | *     |
| PH161040                 | 10   | 45 | 24 | 40             | 32             | *     |
| PH161232                 | 12   | 45 | 24 | 32             | 32             | *     |
| PH161240                 | 12   | 45 | 24 | 40             | 32             | *     |
| PH161620                 | 16   | 45 | 24 | 20             | 32             | *     |
| PH16V20 #                | 20   | 45 | 24 | 40             | 50             | #     |
| PH161445IK               | 14   | 45 | 24 | 45             | 32             | G1/8" |
| PH161650IK               | 16   | 45 | 24 | 50             | 32             | G1/8" |
| PH161680IK               | 16   | 45 | 24 | 80             | 32             | G1/8" |
| PH161950IK               | 3/4" | 45 | 24 | 50             | 32             | G1/8" |
| PH161970IK               | 3/4" | 45 | 24 | 70             | 32             | G1/8" |
| PH1619120IK              | 3/4" | 45 | 24 | 120            | 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" |
| PH162650IK               | 1"   | 45 | 24 | 50             | 32             | G1/8" |
| PH162670IK               | 1"   | 45 | 24 | 70             | 32             | G1/8" |
| PH162870IK               | 28   | 45 | 24 | 70             | 32             | G1/8" |
| PH161032AK1              | 10   | 45 | 24 | 32             | 40             | G1/8" |
| PH161232AK1              | 12   | 45 | 24 | 32             | 40             | 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" |
| PH1616SRAK1              | 16   | 45 | 24 | 25             | 37             | G1/8" |
| PH1622SRAK1              | 22   | 45 | 24 | 25             | 37             | G1/8" |
| PH1622SRRAK1             | 22   | 45 | 24 | 25             | 37             | G1/8" |



\* ohne Kühlmittelanschluss  
# Halter mit VDI-Schaft

\* without inner coolant  
# Reamer holder with VDI-shank

## 6.1 - 6

### Pendelhalter Reamer Holders

## 6

### Pendelhalter Reamer Holders

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#### Pendelhalter Typ EPM11

#### Reamer Holders Type EPM11

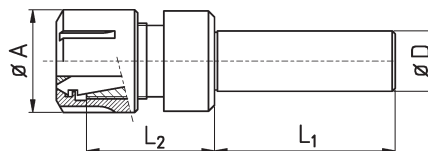
- 0,5 mm Pendelweg in alle Richtungen
- Mit extrem kleinen Baumaßen (z.B. für CNC Langdreher)
- Ideal für Reibahlen von 1 mm - 7 mm (nicht einstellbar)
- Incl. Standardmutter ER11M

- 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                            |
| EPM111940FLBU            | 3/4" | 40             | 28             | 1 - 8            | X                            |
| EPM111950FL              | 3/4" | 50             | 16             | 1 - 8            |                              |
| EPM111970FL              | 3/4" | 70             | 16             | 1 - 8            |                              |
| EPM1119120FL             | 3/4" | 120            | 16             | 1 - 8            |                              |
| EPM1119120FLXLBU         | 3/4" | 120            | 28             | 1 - 8            | 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                            |
| EPM112638WDBU            | 1"   | 38             | 28             | 1 - 8            | X                            |
| EPM112680FL              | 1"   | 80             | 16             | 1 - 8            |                              |
| EPM1116SR                | 16   | 25             | 37             | 1 - 8            | X                            |
| EPM1122SR                | 22   | 25             | 27             | 1 - 8            | X                            |
| EPM1122SRR               | 22   | 25             | 27             | 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            |                              |
| EPM161670LBU             | 16   | 70             | 31             | 1 - 7            | X                            |
| EPM161670XLBU            | 16   | 70             | 36             | 1 - 7            | X                            |
| EPM161940FLBU            | 3/4" | 40             | 38             | 1 - 10           | X                            |
| EPM161950FL              | 3/4" | 50             | 26             | 1 - 10           |                              |
| EPM161970FL              | 3/4" | 70             | 26             | 1 - 10           |                              |
| EPM1619120FL             | 3/4" | 120            | 26             | 1 - 10           |                              |
| EPM1619120FLXL           | 3/4" | 120            | 26             | 1 - 10           |                              |
|                          |      |                |                |                  |                              |
| 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                            |
| EPM162638WDBU            | 1"   | 38             | 38             | 1 - 10           | X                            |
| EPM162680FL              | 1"   | 80             | 26             | 1 - 10           |                              |
|                          |      |                |                |                  |                              |
| EPM1616SR                | 16   | 25             | 37             | 1 - 10           | X                            |
| EPM1622SR                | 22   | 25             | 37             | 1 - 10           | X                            |
| EPM1622SRR               | 22   | 25             | 37             | 1 - 10           | X                            |

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

## 6.1 - 8

### Pendelhalter Reamer Holders

## 6

### Pendelhalter Reamer Holders

**BRITSCH**  
Spannzeuge GmbH

#### Pendelhalter Typ EPU16

#### Reamer Holders Type EPU16

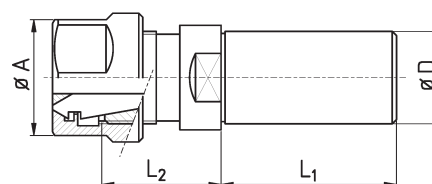
- 0,5 mm Pendelweg in alle Richtungen
- Mit kleinen Baumaßen
- Ideal für Reibahlen von 2 mm - 10 mm (nicht einstellbar)
- Incl. Standardmutter UM/ER16

- 0,5 mm float in all directions
- Small dimensions
- Perfect for reamers 2 mm - 10 mm (not adjustable)
- Incl. standard nut UM/ER16

Für STAR-Maschinen: SR16/20: PH1616SR  
For STAR-machines SR20R: PH1622SRR  
(Rückseitenbearbeitung) SR32: PH1622SR  
(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 |
|--------------------------|------|----------------|----------------|------------------|------------------------------|
| EPU161620BU              | 16   | 20             | 38             | 1 - 6            | X                            |
| EPU161670                | 16   | 70             | 26             | 1 - 7            |                              |
| EPU161670LBU             | 16   | 70             | 31             | 1 - 7            | X                            |
| EPU161670XLBU            | 16   | 70             | 36             | 1 - 7            | X                            |
| EPU161940FLBU            | 3/4" | 40             | 38             | 1 - 8            | X                            |
| EPU161950FL              | 3/4" | 50             | 26             | 1 - 8            |                              |
| EPU161970FL              | 3/4" | 70             | 26             | 1 - 8            |                              |
| EPU1619120FL             | 3/4" | 120            | 26             | 1 - 8            |                              |
| EPU1619120FLXL           | 3/4" | 120            | 26             | 1 - 8            |                              |
| EPU162050                | 20   | 50             | 26             | 1 - 8            |                              |
| EPU162050FL              | 20   | 50             | 26             | 1 - 8            |                              |
| EPU162070FL              | 20   | 70             | 26             | 1 - 8            |                              |
| EPU1620120FLBU           | 20   | 120            | 38             | 1 - 8            | X                            |
| EPU162250FL              | 22   | 50             | 26             | 1 - 8            |                              |
| EPU162270FL              | 22   | 70             | 26             | 1 - 8            |                              |
| EPU162270FLBU            | 22   | 70             | 38             | 1 - 8            | X                            |
| EPU162538WD              | 25   | 38             | 26             | 1 - 8            |                              |
| EPU162550WD              | 25   | 46             | 26             | 1 - 8            |                              |
| EPU162580WD              | 25   | 80             | 26             | 1 - 8            |                              |
| EPU1625120FLBU           | 25   | 120            | 41             | 1 - 8            | X                            |
| EPU162638WDBU            | 1"   | 38             | 38             | 1 - 8            | X                            |
| EPU162680FL              | 1"   | 80             | 26             | 1 - 8            |                              |
| EPU1616SR                | 22   | 25             | 37             | 1 - 10           | X                            |
| EPU1622SR                | 22   | 25             | 37             | 1 - 10           | X                            |
| EPU1622SRR               | 22   | 25             | 37             | 1 - 10           | X                            |



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

### Pendelhalter Typ EPU25

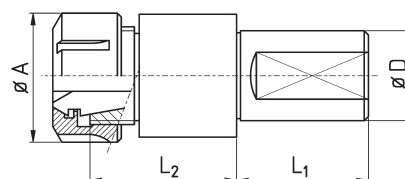
### Reamer Holders Type EPU25

- 0,5 mm Pendelweg in alle Richtungen
- Kugelgelagert
- Pendelkraft mit Einstellschlüssel EPM6 verstellbar
- Incl. Standardmutter UM/ER25

- 0,5 mm float in all directions
- Ball bearing guided
- Floating pressure adjustable
- Incl. standard nut UM/ER25

| Bestell-Nr.<br>order-no. | D      | L <sub>1</sub> | L <sub>2</sub> | Bereich<br>range | mit Bund<br>with stop collar |
|--------------------------|--------|----------------|----------------|------------------|------------------------------|
| EPU251640BU              | 16     | 40             | 52             | 3 - 16           | X                            |
| EPU251945BU              | 3/4"   | 45             | 52             | 3 - 16           | X                            |
| EPU252050FLBU            | 20     | 50             | 52             | 3 - 16           | X                            |
| EPU252550WDBU            | 25     | 50             | 52             | 3 - 16           | X                            |
| EPU2525120WDBU           | 25     | 120            | 52             | 3 - 16           | X                            |
| EPU252650BU              | 1"     | 50             | 52             | 3 - 16           | X                            |
| EPU252650WDBU            | 1"     | 50             | 52             | 3 - 16           | X                            |
| EPU2526100BU             | 1"     | 100            | 52             | 3 - 16           | X                            |
| EPU253155BU              | 1 1/4" | 55             | 52             | 3 - 16           | X                            |
| EPU253265WDBU            | 32     | 65             | 52             | 3 - 16           | X                            |
| EPU254085BU              | 40     | 85             | 52             | 3 - 16           | X                            |

Schlüssel - *spanner*: E25



6

Einstellschlüssel  
Adjusting Spanner

Bestell-Nr.  
order-no.  
EPM6

