

A close-up photograph of a VDI toolholder, a precision-machined metal component used in CNC machining. The toolholder is shown in a workshop setting, with a bright light source visible in the background. The toolholder has a cylindrical shape with a central bore and several mounting holes. A large white number '5' is overlaid on a purple square in the top right corner.

5

## VDI - WERKZEUGHALTER VDI - TOOLHOLDERS



# VDI - WERKZEUGHALTER

## VDI - TOOLHOLDERS



### Art des Halters:

Product group:



Werkzeughalter Drehmeißel  
Square Toolholders



Werkzeughalter für runde Werkzeuge  
Round Toolholders

### Form des Werkzeughalters:

Toolholder form:



### Ausführung des Werkzeughalters:

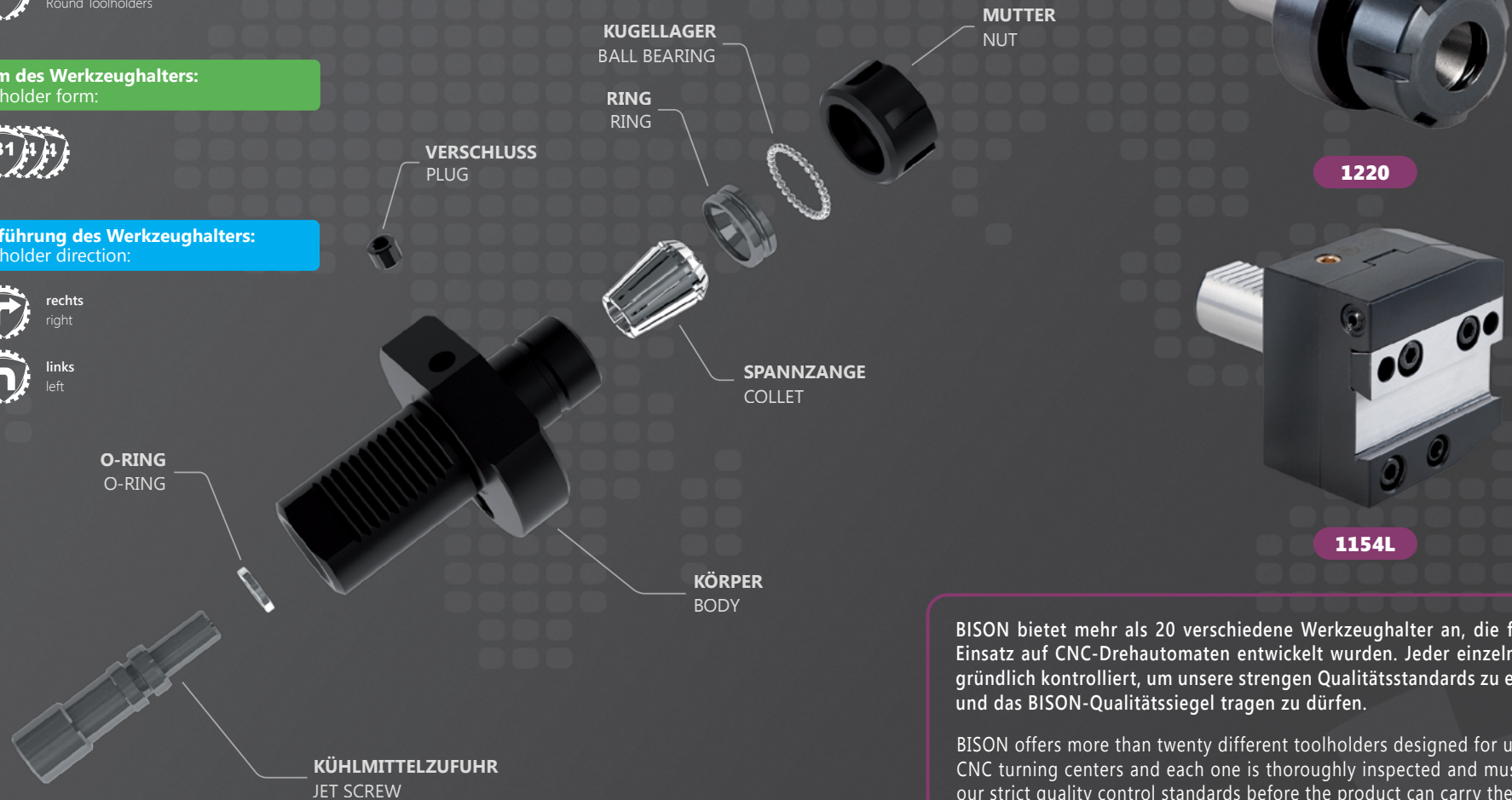
Toolholder direction:



rechts  
right



links  
left



BISON bietet mehr als 20 verschiedene Werkzeughalter an, die für den Einsatz auf CNC-Drehautomaten entwickelt wurden. Jeder einzelne wird gründlich kontrolliert, um unsere strengen Qualitätsstandards zu erfüllen und das BISON-Qualitätssiegel tragen zu dürfen.

BISON offers more than twenty different toolholders designed for use with CNC turning centers and each one is thoroughly inspected and must meet our strict quality control standards before the product can carry the BISON name.







# INHALT

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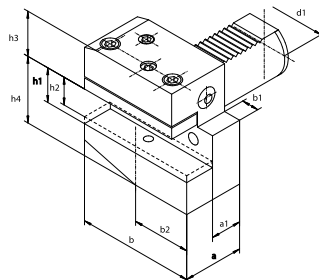
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# 1114P

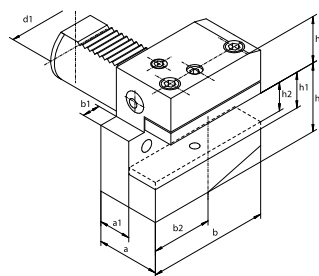
- Radial Werkzeughalter
- Radial Toolholder



| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880       | d1 | a  | a1 | b   | b1   | b2   | h1 | h2 | h3   | h4 |
|-------------------------|-------------|-----------------|----|----|----|-----|------|------|----|----|------|----|
| 341114001200            | 1114-16P    | B1-16 x 12 x 24 | 16 | 24 | 13 | 42  | 5,0  | 23,0 | 12 | 10 | 20,0 | 22 |
| 341114004000            | 1114-16P-L  | B1-16 x 12 x 34 | 16 | 34 | 23 | 42  | 5,0  | 23,0 | 12 | 10 | 20,0 | 22 |
| 341114003800            | 1114-20P    | B1-20 x 16 x 30 | 20 | 30 | 16 | 55  | 7,0  | 30,0 | 16 | 12 | 25,0 | 30 |
| 341114006600            | 1114-20P-L  | B1-20 x 16 x 40 | 20 | 40 | 26 | 55  | 7,0  | 30,0 | 16 | 12 | 25,0 | 30 |
| 341114008100            | 1114-25P    | B1-25 x 16 x 30 | 25 | 30 | 16 | 55  | 7,0  | 30,0 | 16 | 12 | 25,0 | 30 |
| 341114009400            | 1114-25P-L  | B1-25 x 16 x 40 | 25 | 40 | 26 | 55  | 7,0  | 30,0 | 16 | 12 | 25,0 | 30 |
| 341114005300            | 1114-30P    | B1-30 x 20 x 40 | 30 | 40 | 22 | 70  | 10,0 | 35,0 | 20 | 16 | 28,0 | 38 |
| 341114007900            | 1114-30P-L  | B1-30 x 20 x 60 | 30 | 60 | 42 | 70  | 10,0 | 35,0 | 20 | 16 | 28,0 | 38 |
| 341114010100            | 1114-40P    | B1-40 x 25 x 44 | 40 | 44 | 22 | 85  | 12,5 | 42,5 | 25 | 20 | 32,5 | 48 |
| 341114020300            | 1114-50P    | B1-50 x 32 x 55 | 50 | 55 | 30 | 100 | 16,0 | 50,0 | 32 | 25 | 35,0 | 60 |

# 1114L

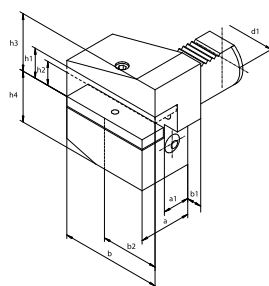
- Radial Werkzeughalter
- Radial Toolholder



| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880       | d1 | a  | a1 | b   | b1   | b2   | h1 | h2 | h3   | h4 |
|-------------------------|-------------|-----------------|----|----|----|-----|------|------|----|----|------|----|
| 341114100000            | 1114-16L    | B2-16 x 12 x 24 | 16 | 24 | 13 | 42  | 5,0  | 23,0 | 12 | 10 | 20,0 | 22 |
| 341114101300            | 1114-16L-L  | B2-16 x 12 x 34 | 16 | 34 | 23 | 42  | 5,0  | 23,0 | 12 | 10 | 20,0 | 22 |
| 341114110200            | 1114-20L    | B2-20 x 16 x 30 | 20 | 30 | 16 | 55  | 7,0  | 30,0 | 16 | 12 | 25,0 | 30 |
| 341114111500            | 1114-20L-L  | B2-20 x 16 x 40 | 20 | 40 | 26 | 55  | 7,0  | 30,0 | 16 | 12 | 25,0 | 30 |
| 341114112800            | 1114-25L    | B2-25 x 16 x 30 | 25 | 30 | 16 | 55  | 7,0  | 30,0 | 16 | 12 | 25,0 | 30 |
| 341114113000            | 1114-25L-L  | B2-25 x 16 x 40 | 25 | 40 | 26 | 55  | 7,0  | 30,0 | 16 | 12 | 25,0 | 30 |
| 341114120400            | 1114-30L    | B2-30 x 20 x 40 | 30 | 40 | 22 | 70  | 10,0 | 35,0 | 20 | 16 | 28,0 | 38 |
| 341114122000            | 1114-30L-L  | B2-30 x 20 x 60 | 30 | 60 | 42 | 70  | 10,0 | 35,0 | 20 | 16 | 28,0 | 38 |
| 341114130600            | 1114-40L    | B2-40 x 25 x 44 | 40 | 44 | 22 | 85  | 12,5 | 42,5 | 25 | 20 | 32,5 | 48 |
| 341114140800            | 1114-50L    | B2-50 x 32 x 55 | 50 | 55 | 30 | 100 | 16,0 | 50,0 | 32 | 25 | 35,0 | 60 |

# 1115P

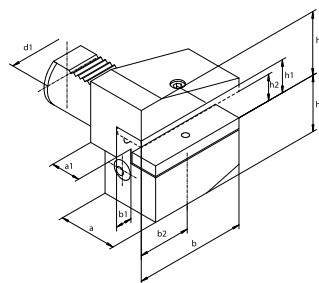
- Radial Werkzeughalter invers
- Inverted radial toolholders



| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880       | d1 | a  | a1 | b   | b1   | b2   | h1 | h2 | h3 | h4   |
|-------------------------|-------------|-----------------|----|----|----|-----|------|------|----|----|----|------|
| 341115001000            | 1115-16P    | B3-16 x 12 x 24 | 16 | 24 | 13 | 42  | 5,0  | 23,0 | 12 | 10 | 22 | 20,0 |
| 341115004900            | 1115-16P-L  | B3-16 x 12 x 34 | 16 | 34 | 23 | 42  | 5,0  | 23,0 | 12 | 10 | 22 | 20,0 |
| 341115003600            | 1115-20P    | B3-20 x 16 x 30 | 20 | 30 | 16 | 55  | 7,0  | 30,0 | 16 | 12 | 30 | 25,0 |
| 341115006400            | 1115-20P-L  | B3-20 x 16 x 40 | 20 | 40 | 26 | 55  | 7,0  | 30,0 | 16 | 12 | 30 | 25,0 |
| 341115008000            | 1115-25P    | B3-25 x 16 x 30 | 25 | 30 | 16 | 55  | 7,0  | 30,0 | 16 | 12 | 30 | 25,0 |
| 341115009200            | 1115-25P-L  | B3-25 x 16 x 40 | 25 | 40 | 26 | 55  | 7,0  | 30,0 | 16 | 12 | 30 | 25,0 |
| 341115005100            | 1115-30P    | B3-30 x 20 x 40 | 30 | 40 | 22 | 70  | 10,0 | 35,0 | 20 | 16 | 38 | 35,0 |
| 341115007700            | 1115-30P-L  | B3-30 x 20 x 60 | 30 | 60 | 42 | 70  | 10,0 | 35,0 | 20 | 16 | 38 | 35,0 |
| 341115010000            | 1115-40P    | B3-40 x 25 x 44 | 40 | 44 | 22 | 85  | 12,5 | 42,5 | 25 | 20 | 48 | 42,5 |
| 341115020100            | 1115-50P    | B3-50 x 32 x 55 | 50 | 55 | 30 | 100 | 16,0 | 50,0 | 32 | 25 | 60 | 50,0 |

# 1115L

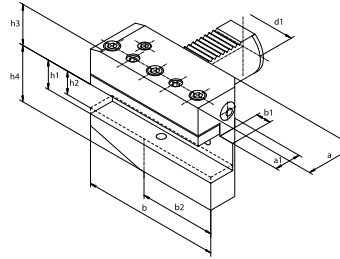
- Radial Werkzeughalter invers
- Inverted radial toolholders



| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880       | d1 | a  | a1 | b   | b1   | b4   | h1 | h2 | h3 | h4   |
|-------------------------|-------------|-----------------|----|----|----|-----|------|------|----|----|----|------|
| 341115103700            | 1115-16L    | B4-16 x 12 x 24 | 16 | 24 | 13 | 42  | 5,0  | 23,0 | 12 | 10 | 22 | 20,0 |
| 341115104000            | 1115-16L-L  | B4-16 x 12 x 34 | 16 | 34 | 23 | 42  | 5,0  | 23,0 | 12 | 10 | 22 | 20,0 |
| 341115105200            | 1115-20L    | B4-20 x 16 x 30 | 20 | 30 | 16 | 55  | 7,0  | 30,0 | 16 | 12 | 30 | 25,0 |
| 341115106500            | 1115-20L-L  | B4-20 x 16 x 40 | 20 | 40 | 26 | 55  | 7,0  | 30,0 | 16 | 12 | 30 | 25,0 |
| 341115107800            | 1115-25L    | B4-25 x 16 x 30 | 25 | 30 | 16 | 55  | 7,0  | 30,0 | 16 | 12 | 30 | 25,0 |
| 341115108000            | 1115-25L-L  | B4-25 x 16 x 40 | 25 | 40 | 26 | 55  | 7,0  | 30,0 | 16 | 12 | 30 | 25,0 |
| 341115110000            | 1115-30L    | B4-30 x 20 x 40 | 30 | 40 | 22 | 70  | 10,0 | 35,0 | 20 | 16 | 38 | 35,0 |
| 341115112600            | 1115-30L-L  | B4-30 x 20 x 60 | 30 | 60 | 42 | 70  | 10,0 | 35,0 | 20 | 16 | 38 | 35,0 |
| 341115120200            | 1115-40L    | B4-40 x 25 x 44 | 40 | 44 | 22 | 85  | 12,5 | 42,5 | 25 | 20 | 48 | 42,5 |
| 341115130400            | 1115-50L    | B4-50 x 32 x 55 | 50 | 55 | 30 | 100 | 16,0 | 50,0 | 32 | 24 | 60 | 50,0 |



| Artikel Nr.  | Typ        | DIN 69880       | d1 | a  | a1 | b   | b1   | b2   | h1 | h2 | h3   | h4 |
|--------------|------------|-----------------|----|----|----|-----|------|------|----|----|------|----|
| Code No.     | Type       |                 |    |    |    |     |      |      |    |    |      |    |
| 341124010900 | 1124-16P   | B5-16 x 12 x 24 | 16 | 24 | 13 | 58  | 5,0  | 39,0 | 12 | 10 | 20,0 | 22 |
| 341124011100 | 1124-16P-L | B5-16 x 12 x 34 | 16 | 34 | 23 | 58  | 5,0  | 39,0 | 12 | 10 | 20,0 | 22 |
| 341124020000 | 1124-20P   | B5-20 x 16 x 30 | 20 | 30 | 16 | 75  | 7,0  | 50,0 | 16 | 12 | 25,0 | 30 |
| 341124021300 | 1124-20P-L | B5-20 x 16 x 40 | 20 | 40 | 26 | 75  | 7,0  | 50,0 | 16 | 12 | 25,0 | 30 |
| 341124022600 | 1124-25P   | B5-25 x 16 x 30 | 25 | 30 | 16 | 75  | 7,0  | 50,0 | 16 | 12 | 25,0 | 30 |
| 341124023900 | 1124-25P-L | B5-25 x 16 x 40 | 25 | 40 | 26 | 75  | 7,0  | 50,0 | 16 | 12 | 25,0 | 30 |
| 341124030200 | 1124-30P   | B5-30 x 20 x 40 | 30 | 40 | 22 | 100 | 10,0 | 65,0 | 20 | 16 | 28,0 | 38 |
| 341124032800 | 1124-30P-L | B5-30 x 20 x 60 | 30 | 60 | 42 | 100 | 10,0 | 65,0 | 20 | 16 | 28,0 | 38 |
| 341124040400 | 1124-40P   | B5-40 x 25 x 44 | 40 | 44 | 22 | 118 | 12,5 | 75,5 | 25 | 20 | 32,5 | 48 |
| 341124050600 | 1124-50P   | B5-50 x 32 x 55 | 50 | 55 | 30 | 130 | 16,0 | 80,0 | 32 | 25 | 35,0 | 60 |

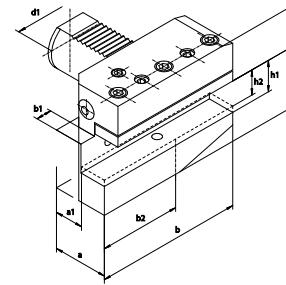


## 1124P

- Radial Werkzeughalter
- Extended radial toolholders



| Artikel Nr.  | Typ        | DIN 69880       | d1 | a  | a1 | b   | b1   | b2   | h1 | h2 | h3   | h4 |
|--------------|------------|-----------------|----|----|----|-----|------|------|----|----|------|----|
| Code No.     | Type       |                 |    |    |    |     |      |      |    |    |      |    |
| 341124110000 | 1124-16L   | B6-16 x 12 x 24 | 16 | 24 | 13 | 58  | 5,0  | 39,0 | 12 | 10 | 20,0 | 22 |
| 341124111200 | 1124-16L-L | B6-16 x 12 x 34 | 16 | 34 | 23 | 58  | 5,0  | 39,0 | 12 | 10 | 20,0 | 22 |
| 341124120100 | 1124-20L   | B6-20 x 16 x 30 | 20 | 30 | 16 | 75  | 7,0  | 50,0 | 16 | 12 | 25,0 | 30 |
| 341124121400 | 1124-20L-L | B6-20 x 16 x 40 | 20 | 40 | 26 | 75  | 7,0  | 50,0 | 16 | 12 | 25,0 | 30 |
| 341124125500 | 1124-25L   | B6-25 x 16 x 30 | 25 | 30 | 16 | 75  | 7,0  | 50,0 | 16 | 12 | 25,0 | 30 |
| 341124126800 | 1124-25L-L | B6-25 x 16 x 40 | 25 | 40 | 26 | 75  | 7,0  | 50,0 | 16 | 12 | 25,0 | 30 |
| 341124130300 | 1124-30L   | B6-30 x 20 x 40 | 30 | 40 | 22 | 100 | 10,0 | 65,0 | 20 | 16 | 28,0 | 38 |
| 341124132900 | 1124-30L-L | B6-30 x 20 x 60 | 30 | 60 | 42 | 100 | 10,0 | 65,0 | 20 | 16 | 28,0 | 38 |
| 341124140500 | 1124-40L   | B6-40 x 25 x 44 | 40 | 44 | 22 | 118 | 12,5 | 75,5 | 25 | 20 | 32,5 | 48 |
| 341124150700 | 1124-50L   | B6-50 x 32 x 55 | 50 | 55 | 30 | 130 | 16,0 | 80,0 | 32 | 25 | 35,0 | 60 |

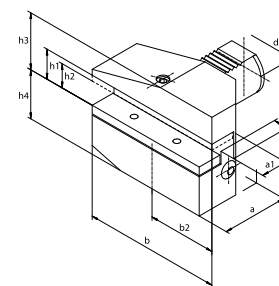


## 1124L

- Radial Werkzeughalter
- Extended radial toolholders



| Artikel Nr.  | Typ        | DIN 69880       | d1 | a  | a1 | b   | b1   | b2   | h1 | h2 | h3 | h4   |
|--------------|------------|-----------------|----|----|----|-----|------|------|----|----|----|------|
| Code No.     | Type       |                 |    |    |    |     |      |      |    |    |    |      |
| 341125010700 | 1125-16P   | B7-16 x 12 x 24 | 16 | 24 | 13 | 58  | 5,0  | 39,0 | 12 | 10 | 22 | 20,0 |
| 341125011000 | 1125-16P-L | B7-16 x 12 x 34 | 16 | 34 | 23 | 58  | 5,0  | 39,0 | 12 | 10 | 22 | 20,0 |
| 341125020900 | 1125-20P   | B7-20 x 16 x 30 | 20 | 30 | 16 | 75  | 7,0  | 50,0 | 16 | 12 | 30 | 25,0 |
| 341125021100 | 1125-20P-L | B7-20 x 16 x 40 | 20 | 40 | 26 | 75  | 7,0  | 50,0 | 16 | 12 | 30 | 25,0 |
| 341125024400 | 1125-25P   | B7-25 x 16 x 30 | 25 | 30 | 16 | 75  | 7,0  | 50,0 | 16 | 12 | 30 | 25,0 |
| 341125023700 | 1125-25P-L | B7-25 x 16 x 40 | 25 | 40 | 26 | 75  | 7,0  | 50,0 | 16 | 12 | 30 | 25,0 |
| 341125030000 | 1125-30P   | B7-30 x 20 x 40 | 30 | 40 | 22 | 100 | 10,0 | 65,0 | 20 | 16 | 38 | 35,0 |
| 341125032600 | 1125-30P-L | B7-30 x 20 x 60 | 30 | 60 | 42 | 100 | 10,0 | 65,0 | 20 | 16 | 38 | 35,0 |
| 341125040200 | 1125-40P   | B7-40 x 25 x 44 | 40 | 44 | 22 | 118 | 12,5 | 75,5 | 25 | 20 | 48 | 42,5 |
| 341125050400 | 1125-50P   | B7-50 x 32 x 55 | 50 | 55 | 30 | 130 | 16,0 | 80,0 | 32 | 25 | 60 | 50,0 |

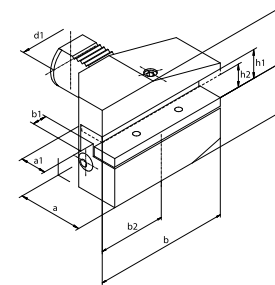


## 1125P

- Radial Werkzeughalter invers
- Extended inverted radial toolholders



| Artikel Nr.  | Typ        | DIN 69880       | d1 | a  | a1 | b   | b1   | b2   | h1 | h2 | h3 | h4   |
|--------------|------------|-----------------|----|----|----|-----|------|------|----|----|----|------|
| Code No.     | Type       |                 |    |    |    |     |      |      |    |    |    |      |
| 341125110800 | 1125-16L   | B8-16 x 12 x 24 | 16 | 24 | 13 | 58  | 5,0  | 39,0 | 12 | 10 | 22 | 20,0 |
| 341125111000 | 1125-16L-L | B8-16 x 12 x 34 | 16 | 34 | 23 | 58  | 5,0  | 39,0 | 12 | 10 | 22 | 20,0 |
| 341125120000 | 1125-20L   | B8-20 x 16 x 30 | 20 | 30 | 16 | 75  | 7,0  | 50,0 | 16 | 12 | 30 | 25,0 |
| 341125121200 | 1125-20L-L | B8-20 x 16 x 40 | 20 | 40 | 26 | 75  | 7,0  | 50,0 | 16 | 12 | 30 | 25,0 |
| 341125122500 | 1125-25L   | B8-25 x 16 x 30 | 25 | 30 | 16 | 75  | 7,0  | 50,0 | 16 | 12 | 30 | 25,0 |
| 341125123800 | 1125-25L-L | B8-25 x 16 x 40 | 25 | 40 | 26 | 75  | 7,0  | 50,0 | 16 | 12 | 30 | 25,0 |
| 341125130100 | 1125-30L   | B8-30 x 20 x 40 | 30 | 40 | 22 | 100 | 10,0 | 65,0 | 20 | 16 | 38 | 35,0 |
| 341125132700 | 1125-30L-L | B8-30 x 20 x 60 | 30 | 60 | 42 | 100 | 10,0 | 65,0 | 20 | 16 | 38 | 35,0 |
| 341125140300 | 1125-40L   | B8-40 x 25 x 44 | 40 | 44 | 22 | 118 | 12,5 | 75,5 | 25 | 20 | 48 | 42,5 |
| 341125150500 | 1125-50L   | B8-50 x 32 x 55 | 50 | 55 | 30 | 130 | 16,0 | 80,0 | 32 | 25 | 60 | 50,0 |



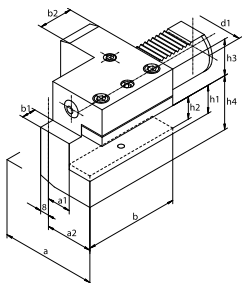
## 1125L

- Radial Werkzeughalter invers
- Extended inverted radial toolholders



## 1133P

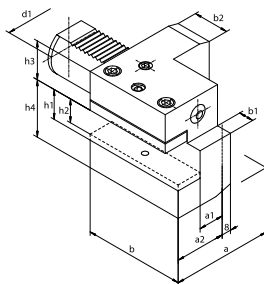
- Axial Werkzeughalter
- Axial Toolholder



| Artikel Nr.<br>Code No. | Type       | DIN 69880  | d1 | a   | a1 | a2   | b   | b1   | b2 | h1 | h2 | h3   | h4 |
|-------------------------|------------|------------|----|-----|----|------|-----|------|----|----|----|------|----|
| 341133000600            | 1133-16P   | C1-16 x 12 | 16 | 43  | 13 | 24,0 | 44  | 5,0  | 20 | 12 | 10 | 20,0 | 22 |
| 341133002100            | 1133-20P   | C1-20 x 16 | 20 | 52  | 13 | 27,0 | 55  | 7,0  | 30 | 16 | 12 | 25,0 | 30 |
| 341133003400            | 1133-20P-L | -          | 20 | 65  | 26 | 40,0 | 50  | -    | 30 | 16 | 12 | 25,0 | 30 |
| 341133004700            | 1133-25P   | C1-25 x 16 | 25 | 58  | 19 | 33,0 | 55  | 7,0  | 20 | 16 | 12 | 25,0 | 30 |
| 341133005000            | 1133-30P   | C1-30 x 20 | 30 | 70  | 17 | 35,0 | 70  | 10,0 | 30 | 20 | 16 | 28,0 | 38 |
| 341133010800            | 1133-40P   | C1-40 x 25 | 40 | 85  | 21 | 42,5 | 85  | 12,5 | 30 | 25 | 20 | 32,5 | 48 |
| 341133030100            | 1133-50P   | C1-50 x 32 | 50 | 100 | 26 | 50,0 | 100 | 16,0 | 40 | 32 | 25 | 35,0 | 60 |

## 1133L

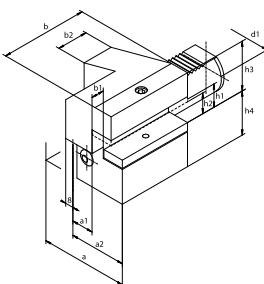
- Axial Werkzeughalter
- Axial Toolholder



| Artikel Nr.<br>Code No. | Type     | DIN 69880  | d1 | a   | a1   | a2   | b   | b1   | b2 | h1 | h2 | h3   | h4 |
|-------------------------|----------|------------|----|-----|------|------|-----|------|----|----|----|------|----|
| 341133110900            | 1133-16L | C2-16 x 12 | 16 | 43  | 13,0 | 24,0 | 44  | 5,0  | 20 | 12 | 10 | 20,0 | 22 |
| 341133120000            | 1133-20L | C2-20 x 16 | 20 | 65  | 26,0 | 40,0 | 50  | -    | 30 | 16 | 12 | 25,0 | 30 |
| 341133121300            | 1133-25L | C2-25 x 16 | 25 | 58  | 19,0 | 33,0 | 55  | 7,0  | 20 | 16 | 12 | 25,0 | 30 |
| 341133130200            | 1133-30L | C2-30 x 20 | 30 | 76  | 23,0 | 41,0 | 70  | 10,0 | 30 | 20 | 16 | 28,0 | 38 |
| 341133140400            | 1133-40L | C2-40 x 25 | 40 | 90  | 25,5 | 47,5 | 85  | 12,5 | 30 | 25 | 20 | 32,5 | 48 |
| 341133150600            | 1133-50L | C2-50 x 32 | 50 | 105 | 30,5 | 55,0 | 100 | 16,0 | 40 | 32 | 25 | 35,0 | 60 |

## 1134P

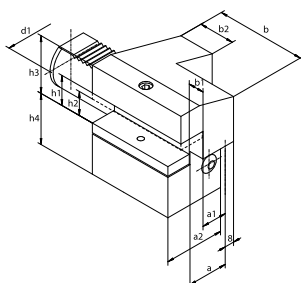
- Axial Werkzeughalter invers
- Inverted axial toolholder



| Artikel Nr.<br>Code No. | Type       | DIN 69880  | d1 | a   | a1 | a2   | b   | b1   | b2 | h1 | h2 | h3 | h4   |
|-------------------------|------------|------------|----|-----|----|------|-----|------|----|----|----|----|------|
| 341134010600            | 1134-16P   | C3-16 x 12 | 16 | 43  | 13 | 24,0 | 44  | 5,0  | 20 | 12 | 10 | 22 | 20,0 |
| 341134020800            | 1134-20P   | C3-20 x 16 | 20 | 52  | 13 | 27,0 | 55  | 7,0  | 30 | 16 | 12 | 30 | 25,0 |
| 341134021000            | 1134-20P-L | -          | 20 | 65  | 26 | 40,0 | 50  | -    | 30 | 16 | 12 | 30 | 25,0 |
| 341134022300            | 1134-25P   | C3-25 x 16 | 25 | 58  | 19 | 33,0 | 55  | 7,0  | 20 | 16 | 12 | 30 | 25,0 |
| 341134030000            | 1134-30P   | C3-30 x 20 | 30 | 70  | 17 | 35,0 | 70  | 10,0 | 30 | 20 | 16 | 38 | 35,0 |
| 341134040100            | 1134-40P   | C3-40 x 25 | 40 | 85  | 21 | 42,5 | 85  | 12,5 | 30 | 25 | 20 | 48 | 42,5 |
| 341134050300            | 1134-50P   | C3-50 x 32 | 50 | 100 | 26 | 50,0 | 100 | 16,0 | 40 | 32 | 25 | 60 | 50,0 |

## 1134L

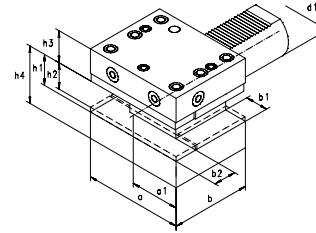
- Axial Werkzeughalter invers
- Inverted axial toolholder



| Artikel Nr.<br>Code No. | Type     | DIN 69880  | d1 | a   | a1   | a2   | b   | b1   | b2 | h1 | h2 | h3 | h4   |
|-------------------------|----------|------------|----|-----|------|------|-----|------|----|----|----|----|------|
| 341134110700            | 1134-16L | C4-16 x 12 | 16 | 43  | 13,0 | 24,0 | 44  | 5,0  | 20 | 12 | 10 | 22 | 20,0 |
| 341134120900            | 1134-20L | C4-20 x 16 | 20 | 65  | 26,0 | 40,0 | 50  | -    | 30 | 16 | 12 | 30 | 25,0 |
| 341134121100            | 1134-25L | C4-25 x 16 | 25 | 58  | 19,0 | 33,0 | 55  | 7,0  | 20 | 16 | 12 | 25 | 25,0 |
| 341134130000            | 1134-30L | C4-30 x 20 | 30 | 76  | 23,0 | 41,0 | 70  | 10,0 | 30 | 20 | 16 | 38 | 35,0 |
| 341134140200            | 1134-40L | C4-40 x 25 | 40 | 90  | 25,5 | 47,5 | 85  | 12,5 | 30 | 25 | 20 | 48 | 42,5 |
| 341134150400            | 1134-50L | C4-50 x 32 | 50 | 105 | 30,5 | 55   | 100 | 16,0 | 40 | 32 | 25 | 60 | 50,0 |



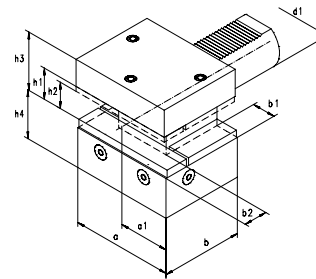
| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880  | d1 | a   | a1   | b   | b1   | b2 | h1 | h2 | h3   | h4 |
|-------------------------|-------------|------------|----|-----|------|-----|------|----|----|----|------|----|
| 341143000300            | 1143-25     | D1-25 x 16 | 25 | 66  | 33,0 | 48  | 14,0 | 14 | 16 | 12 | 25,0 | 30 |
| 341143001600            | 1143-30     | D1-30 x 20 | 30 | 76  | 35,0 | 60  | 18,0 | 18 | 20 | 16 | 28,0 | 38 |
| 341143010500            | 1143-40     | D1-40 x 25 | 40 | 90  | 42,5 | 72  | 21,5 | 22 | 25 | 20 | 32,5 | 48 |
| 341143011800            | 1143-40L    | -          | 40 | 90  | 42,5 | 125 | 21,5 | 22 | 25 | 20 | 32,5 | 48 |
| 341143020700            | 1143-50     | D1-50 x 32 | 50 | 105 | 50,0 | 85  | 24,0 | 25 | 32 | 25 | 35,0 | 60 |


**1143**

- Kombinierte Werkzeughalter
- Combined toolholders



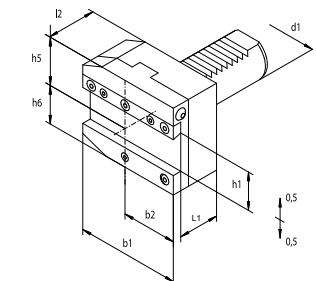
| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880  | d1 | a   | a1   | b  | b1   | b2 | h1 | h2 | h3 | h4   |
|-------------------------|-------------|------------|----|-----|------|----|------|----|----|----|----|------|
| 341144010300            | 1144-25     | D2-25 x 16 | 25 | 66  | 33,0 | 48 | 14,0 | 14 | 16 | 12 | 30 | 25,0 |
| 341144020500            | 1144-30     | D2-30 x 20 | 30 | 76  | 35,0 | 60 | 18,0 | 18 | 20 | 16 | 38 | 35,0 |
| 341144030700            | 1144-40     | D2-40 x 25 | 40 | 90  | 42,5 | 72 | 21,5 | 22 | 25 | 20 | 48 | 42,5 |
| 341144040900            | 1144-50     | D2-50 x 32 | 50 | 105 | 50,0 | 85 | 24,0 | 25 | 32 | 25 | 60 | 50,0 |


**1144**

- Kombinierte Werkzeughalter invers
- Inverted combined toolholders



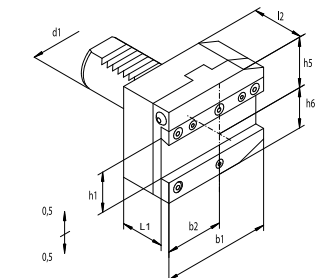
| Artikel Nr.<br>Code No. | Typ<br>Type | d1 | b1  | b2   | h1 | h5   | h6   | l1 | l2 |
|-------------------------|-------------|----|-----|------|----|------|------|----|----|
| 341154010000            | 1154-30-26P | 30 | 70  | 35,0 | 26 | 35,5 | 38,0 | 44 | 50 |
| 341154013900            | 1154-30-32P | 30 | 70  | 35,0 | 32 | 35,5 | 40,0 | 44 | 50 |
| 341154020200            | 1154-40-26P | 40 | 85  | 42,5 | 26 | 35,5 | 42,5 | 44 | 50 |
| 341154030400            | 1154-40-32P | 40 | 85  | 42,5 | 32 | 35,5 | 42,5 | 44 | 50 |
| 341154040600            | 1154-50-26P | 50 | 100 | 50,0 | 26 | 35,5 | 45,0 | 39 | 45 |
| 341154050800            | 1154-50-32P | 50 | 100 | 50,0 | 32 | 35,5 | 45,0 | 39 | 45 |


**1154P**

- Werkzeughalter für Stechwerkzeuge
- Toolholder for cut-off tools



| Artikel Nr.<br>Code No. | Typ<br>Type | d1 | b1  | b2   | h1 | h5   | h6   | l1 | l2 |
|-------------------------|-------------|----|-----|------|----|------|------|----|----|
| 341154210200            | 1154-30-26L | 30 | 70  | 35,0 | 26 | 35,5 | 38,0 | 44 | 50 |
| 341154213000            | 1154-30-32L | 30 | 70  | 35,0 | 32 | 35,5 | 40,0 | 44 | 50 |
| 341154220400            | 1154-40-26L | 40 | 85  | 42,5 | 26 | 35,5 | 42,5 | 44 | 50 |
| 341154230600            | 1154-40-32L | 40 | 85  | 42,5 | 32 | 35,5 | 42,5 | 44 | 50 |
| 341154240800            | 1154-50-26L | 50 | 100 | 50,0 | 26 | 35,5 | 45,0 | 44 | 50 |
| 341154250000            | 1154-50-32L | 50 | 100 | 50,0 | 32 | 35,5 | 45,0 | 44 | 50 |


**1154L**

- Werkzeughalter für Stechwerkzeuge
- Toolholder for cut-off tools

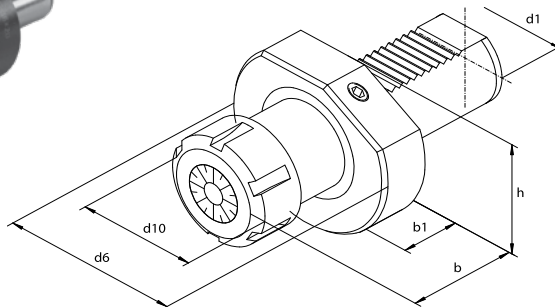




# 1220



- Werkzeughalter für Spannzangen ER (DIN 6499)
- Toolholder for collets ER (DIN 6499)



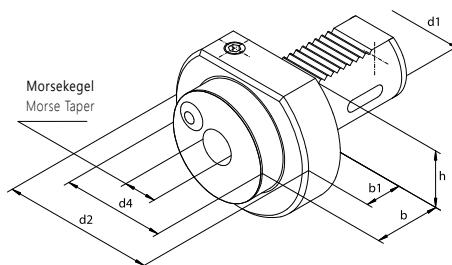
| Artikel Nr.<br>Code No. | Typ<br>Type    | DIN 69880  | d1 | d6 | d10 | b  | b1 | h    | Spannzange<br>ER |  | Spannbereich<br>Collet chuck<br>Clamping range |
|-------------------------|----------------|------------|----|----|-----|----|----|------|------------------|--|------------------------------------------------|
|                         |                |            |    |    |     |    |    |      |                  |  |                                                |
|                         |                |            |    |    |     |    |    |      |                  |  |                                                |
| 341220030600            | 1220-16-ER20   | E4-16 x 20 | 16 | 40 | 35  | 45 | 14 | 18,0 | 20               |  | 2-13                                           |
| 341220115700            | 1220-20-ER16   | -          | 20 | 50 | 32  | 55 | 18 | -    | 16               |  | 2-10                                           |
| 341220120500            | 1220-20-ER25   | E4-20 x 25 | 20 | 50 | 42  | 55 | 18 | -    | 25               |  | 2-16                                           |
| 341220130700            | 1220-20-ER32   | E4-20 x 32 | 20 | 50 | 50  | 55 | 18 | -    | 32               |  | 2-20                                           |
| 341220220600            | 1220-25-ER25   | E4-25 x 25 | 25 | 58 | 42  | 55 | 18 | 25,0 | 25               |  | 2-16                                           |
| 341220230800            | 1220-25-ER32   | E4-25 x 32 | 25 | 58 | 50  | 55 | 18 | 25,0 | 32               |  | 2-20                                           |
| 341220312000            | 1220-30-ER25   | E4-30 x 25 | 30 | 68 | 42  | 55 | 22 | 28,0 | 25               |  | 2-16                                           |
| 341220310500            | 1220-30-ER25-L | -          | 30 | 68 | 42  | 75 | 34 | 28,0 | 25               |  | 2-16                                           |
| 341220322200            | 1220-30-ER32   | -          | 30 | 68 | 50  | 55 | 22 | 28,0 | 32               |  | 2-20                                           |
| 341220320700            | 1220-30-ER32-L | -          | 30 | 68 | 50  | 75 | 29 | 28,0 | 32               |  | 2-20                                           |
| 341220340000            | 1220-30-ER40   | E4-30 x 40 | 30 | 68 | 63  | 75 | 26 | 28,0 | 40               |  | 3-26                                           |
| 341220420800            | 1220-40-ER25   | -          | 40 | 83 | 42  | 69 | 22 | 32,5 | 25               |  | 2-16                                           |
| 341220430000            | 1220-40-ER32   | E4-40 x 32 | 40 | 83 | 50  | 84 | 22 | 32,5 | 32               |  | 2-20                                           |
| 341220440100            | 1220-40-ER40   | E4-40 x 40 | 40 | 83 | 63  | 75 | 22 | 32,5 | 40               |  | 3-26                                           |
| 341220500500            | 1220-50-ER32   | -          | 50 | 98 | 50  | 84 | 30 | 35,0 | 32               |  | 2-20                                           |
| 341220510700            | 1220-50-ER40   | E4-50 x 40 | 50 | 98 | 63  | 88 | 30 | 35,0 | 40               |  | 3-26                                           |

Spannzangen finden Sie auf Seite 374 • Collets available on page 374

# 1224



- Werkzeughalter für Werkzeuge mit Morsekegel
- Toolholder for boring bars with morse taper

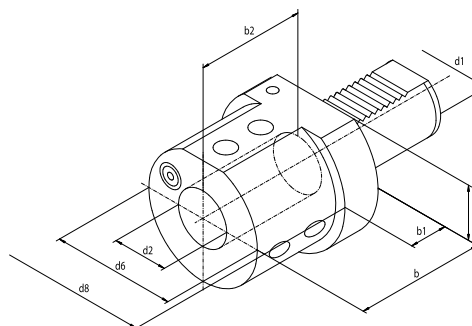


| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880  | d1 | Morsekegel<br>Morse Taper |   | d2 | d4 | b  | b1 | h    |
|-------------------------|-------------|------------|----|---------------------------|---|----|----|----|----|------|
|                         |             |            |    |                           |   |    |    |    |    |      |
| 341224001600            | 1224-20-1   | F20-MK-DK1 | 20 |                           | 1 | 50 | -  | 27 | -  | -    |
| 341224010500            | 1224-30-1   | F30-MK-DK1 | 30 |                           | 1 | 68 | 68 | 27 | -  | 28,0 |
| 341224020700            | 1224-30-2   | F30-MK-DK2 | 30 |                           | 2 | 68 | 58 | 36 | 25 | 28,0 |
| 341224000300            | 1224-30-3   | -          | 30 |                           | 3 | 68 | 68 | 66 | -  | 28,0 |
| 341224030900            | 1224-40-2   | F40-MK-DK2 | 40 |                           | 2 | 83 | 55 | 36 | 22 | 32,5 |
| 341224040000            | 1224-40-3   | F40-MK-DK3 | 40 |                           | 3 | 83 | 58 | 50 | 22 | 32,5 |
| 341224050200            | 1224-40-4   | F40-MK-DK4 | 40 |                           | 4 | 83 | 68 | 80 | 22 | 32,5 |
| 341224060400            | 1224-50-2   | F50-MK-DK2 | 50 |                           | 2 | 98 | 55 | 36 | 30 | 35,0 |
| 341224070600            | 1224-50-3   | F50-MK-DK3 | 50 |                           | 3 | 98 | 58 | 45 | 30 | 35,0 |
| 341224080800            | 1224-50-4   | F50-MK-DK4 | 50 |                           | 4 | 98 | 68 | 55 | 30 | 35,0 |

# 1253



- Für DIN 1835B, E und ISO 3338/2 "Whistle notch"
- Werkzeughalter für Werkzeuge mit zylindrischem Schaft
- According to DIN 1835B, E and ISO 3338/2 "Whistle notch"
- Toolholder for tools with cylindrical shank



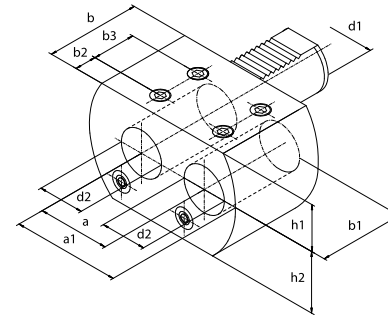
| Artikel Nr.<br>Code No. | Typ<br>Type | d1 | d2 | d6 | d8 | b  | b1 | b2 | h    |
|-------------------------|-------------|----|----|----|----|----|----|----|------|
|                         |             |    |    |    |    |    |    |    |      |
| 341253031500            | 1253-40-20  | 40 | 20 | 52 | 83 | 67 | 22 | 54 | 32,5 |
| 341253032800            | 1253-40-25  | 40 | 25 | 65 | 83 | 85 | 22 | 59 | 32,5 |
| 341253033000            | 1253-40-32  | 40 | 32 | 72 | 83 | 85 | 22 | 63 | 32,5 |
| 341253034300            | 1253-40-40* | 40 | 40 | 83 | 83 | 90 | -  | 73 | 32,5 |

\*auf Anfrage \*on request





| Artikel Nr.  | Typ         | d1 | d2/H7 | a  | a1 | b  | b1 | b2 | b3 | h1   | h2   |
|--------------|-------------|----|-------|----|----|----|----|----|----|------|------|
| Code No.     | Type        |    |       |    |    |    |    |    |    |      |      |
| 341252020200 | 1252-30-25P | 30 | 25    | 45 | 65 | 56 | 52 | 14 | 24 | 28,0 | 34,0 |
| 341252030400 | 1252-40-32P | 40 | 32    | 50 | 75 | 66 | 60 | 15 | 30 | 32,5 | 42,5 |

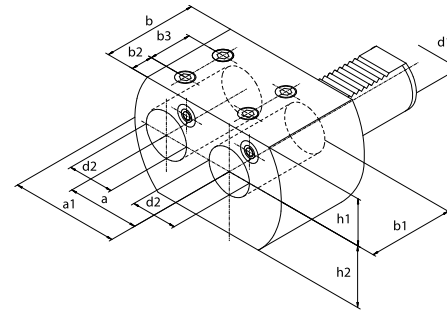


**1252P**



- Werkzeughalter für Werkzeuge mit zylindrischem Schaft
- Toolholder for tools with cylindrical shank - double

| Artikel Nr.  | Typ         | d1 | d2/H7 | a  | a1 | b  | b1 | b2 | b3 | h1   | h2   |
|--------------|-------------|----|-------|----|----|----|----|----|----|------|------|
| Code No.     | Type        |    |       |    |    |    |    |    |    |      |      |
| 341252021500 | 1252-30-25L | 30 | 25    | 45 | 65 | 56 | 52 | 14 | 24 | 28,0 | 34,0 |
| 341252031700 | 1252-40-32L | 40 | 32    | 50 | 75 | 66 | 60 | 15 | 30 | 32,5 | 42,5 |

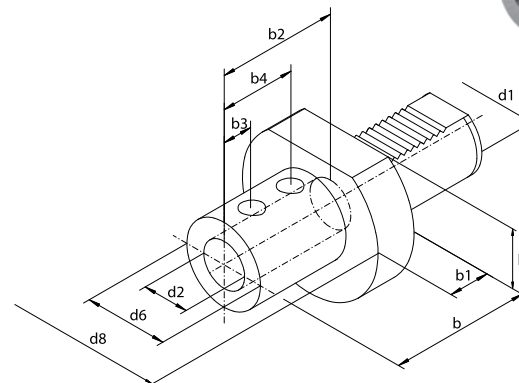


**1252L**



- Werkzeughalter für Werkzeuge mit zylindrischem Schaft
- Toolholder for tools with cylindrical shank - double

| Artikel Nr.  | Typ        | DIN 69880 | d1 | d2 | d6 | d8 | b   | b1 | b2 | b3 | b4 | h    |
|--------------|------------|-----------|----|----|----|----|-----|----|----|----|----|------|
| Code No.     | Type       |           |    |    |    |    |     |    |    |    |    |      |
| 341254021100 | 1254-20-16 | -         | 20 | 16 | 36 | 50 | 67  | 18 | 54 | 15 | 35 | -    |
| 341254020900 | 1254-20-20 | E1-20x20  | 20 | 20 | 40 | 50 | 67  | 18 | 54 | 15 | 35 | -    |
| 341254022400 | 1254-20-25 | E1-20x25  | 20 | 25 | 45 | 50 | 71  | 18 | 59 | 17 | 40 | -    |
| 341254031300 | 1254-30-16 | -         | 30 | 16 | 36 | 68 | 67  | 22 | 54 | 15 | 35 | 28,0 |
| 341254030000 | 1254-30-20 | E1-30x20  | 30 | 20 | 40 | 68 | 67  | 22 | 54 | 15 | 35 | 28,0 |
| 341254032600 | 1254-30-25 | E1-30x25  | 30 | 25 | 45 | 68 | 71  | 22 | 59 | 17 | 40 | 28,0 |
| 341254034100 | 1254-30-32 | E1-30x32  | 30 | 32 | 52 | 68 | 75  | 22 | 63 | 17 | 44 | 28,0 |
| 341254035400 | 1254-30-40 | -         | 30 | 40 | 60 | 68 | 90  | 22 | 73 | 22 | 50 | 28,0 |
| 341254037000 | 1254-40-10 | -         | 40 | 10 | 35 | 83 | 67  | 22 | 41 | 20 | -  | 32,5 |
| 341254039500 | 1254-40-16 | -         | 40 | 16 | 36 | 83 | 67  | 22 | 54 | 15 | 35 | 32,5 |
| 341254040200 | 1254-40-20 | E1-40x20  | 40 | 20 | 40 | 83 | 67  | 22 | 54 | 15 | 35 | 32,5 |
| 341254042800 | 1254-40-25 | E1-40x25  | 40 | 25 | 45 | 83 | 75  | 22 | 59 | 17 | 40 | 32,5 |
| 341254044300 | 1254-40-32 | E1-40x32  | 40 | 32 | 52 | 83 | 75  | 22 | 63 | 17 | 44 | 32,5 |
| 341254046900 | 1254-40-40 | E1-40x40  | 40 | 40 | 60 | 83 | 90  | 22 | 73 | 22 | 50 | 32,5 |
| 341254048400 | 1254-50-12 | -         | 50 | 12 | 40 | 98 | 145 | 30 | 54 | 15 | 35 | 35,0 |
| 341254049700 | 1254-50-16 | -         | 50 | 16 | 40 | 98 | 145 | 30 | 54 | 15 | 35 | 35,0 |
| 341254050400 | 1254-50-20 | E1-50x20  | 50 | 20 | 40 | 98 | 67  | 30 | 54 | 15 | 35 | 35,0 |
| 341254052000 | 1254-50-25 | E1-50x25  | 50 | 25 | 45 | 98 | 80  | 30 | 59 | 17 | 40 | 35,0 |
| 341254054500 | 1254-50-32 | E1-50x32  | 50 | 32 | 52 | 98 | 80  | 30 | 63 | 17 | 44 | 35,0 |
| 341254056000 | 1254-50-40 | E1-50x40  | 50 | 40 | 60 | 98 | 90  | 30 | 73 | 22 | 50 | 35,0 |
| 341254058600 | 1254-50-50 | E1-50x50  | 50 | 50 | 70 | 98 | 100 | 30 | 83 | 24 | 60 | 35,0 |



**1254**

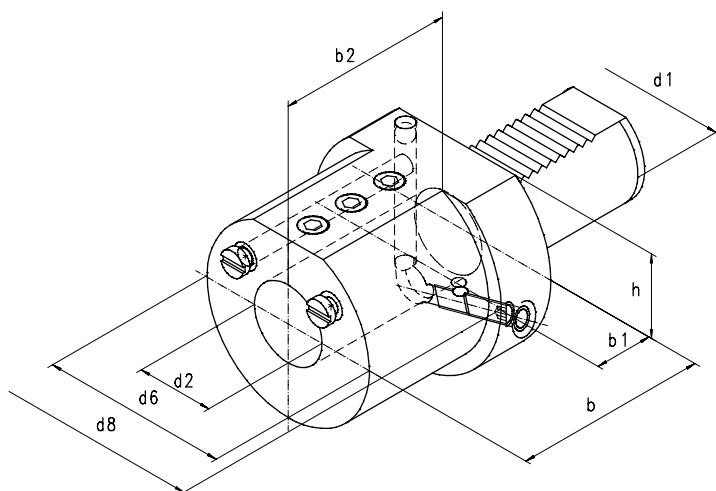


- Werkzeughalter für Werkzeuge mit zylindrischem Schaft
- internes Kühlmittel
- Toolholder for tools with cylindrical shank
- Internal coolant

# 1258



- Werkzeughalter für Werkzeuge mit zylindrischem Schaft
- Interne oder externe Kühlmittelzufuhr
- Toolholder for tools with cylindrical shank
- Internal or external coolant

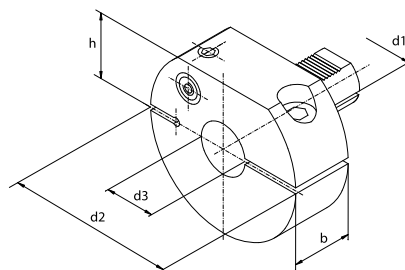


| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880  | d1 | d2 | d6 | d8 | b   | b1 | b2 | h    |
|-------------------------|-------------|------------|----|----|----|----|-----|----|----|------|
| 341258231800            | 1258-16-8   | E2-16 x 8  | 16 | 8  | 32 | 40 | 44  | 14 | 34 | 18,0 |
| 341258233300            | 1258-16-10  | E2-16 x 10 | 16 | 10 | 32 | 40 | 44  | 14 | 34 | 18,0 |
| 341258235900            | 1258-16-12  | E2-16 x 12 | 16 | 12 | 40 | 40 | 44  | 14 | 34 | 18,0 |
| 341258237400            | 1258-16-16  | E2-16 x 16 | 16 | 16 | 40 | 40 | 44  | 14 | 34 | 18,0 |
| 341258331900            | 1258-20-8   | E2-20 x 8  | 20 | 8  | 40 | 50 | 50  | 18 | 41 | -    |
| 341258333400            | 1258-20-10  | E2-20 x 10 | 20 | 10 | 40 | 50 | 50  | 18 | 41 | -    |
| 341258335000            | 1258-20-12  | E2-20 x 12 | 20 | 12 | 40 | 50 | 50  | 18 | 41 | -    |
| 341258337500            | 1258-20-16  | E2-20 x 16 | 20 | 16 | 40 | 50 | 50  | 18 | 41 | -    |
| 341258339000            | 1258-20-20  | E2-20 x 20 | 20 | 20 | 50 | 50 | 50  | 18 | 41 | -    |
| 341258341000            | 1258-20-25  | E2-20 x 25 | 20 | 25 | 50 | 50 | 60  | 18 | 51 | -    |
| 341258431000            | 1258-30-8   | E2-30 x 8  | 30 | 8  | 55 | 68 | 60  | 22 | 51 | 28,0 |
| 341258433500            | 1258-30-10  | E2-30 x 10 | 30 | 10 | 55 | 68 | 60  | 22 | 51 | 28,0 |
| 341258435000            | 1258-30-12  | E2-30 x 12 | 30 | 12 | 55 | 68 | 60  | 22 | 51 | 28,0 |
| 341258437600            | 1258-30-16  | E2-30 x 16 | 30 | 16 | 55 | 68 | 60  | 22 | 51 | 28,0 |
| 341258439100            | 1258-30-20  | E2-30 x 20 | 30 | 20 | 55 | 68 | 60  | 22 | 51 | 28,0 |
| 341258440900            | 1258-30-25  | E2-30 x 25 | 30 | 25 | 55 | 68 | 60  | 22 | 51 | 28,0 |
| 341258441100            | 1258-30-30  | -          | 30 | 30 | 68 | 68 | 75  | 22 | 51 | 28,0 |
| 341258443700            | 1258-30-32  | E2-30 x 32 | 30 | 32 | 68 | 68 | 75  | 22 | 61 | 28,0 |
| 341258531000            | 1258-40-8   | -          | 40 | 8  | 50 | 83 | 75  | 22 | 61 | 32,5 |
| 341258533600            | 1258-40-10  | -          | 40 | 10 | 50 | 83 | 75  | 22 | 61 | 32,5 |
| 341258535100            | 1258-40-12  | E2-40 x 12 | 40 | 12 | 50 | 83 | 75  | 22 | 61 | 32,5 |
| 341258537700            | 1258-40-16  | E2-40 x 16 | 40 | 16 | 55 | 83 | 75  | 22 | 61 | 32,5 |
| 341258539200            | 1258-40-20  | E2-40 x 20 | 40 | 20 | 55 | 83 | 75  | 22 | 61 | 32,5 |
| 341258541200            | 1258-40-25  | E2-40 x 25 | 40 | 25 | 60 | 83 | 75  | 22 | 61 | 32,5 |
| 341258543800            | 1258-40-30  | -          | 40 | 30 | 72 | 83 | 75  | 22 | 61 | 32,5 |
| 341258545300            | 1258-40-32  | E2-40 x 32 | 40 | 32 | 72 | 83 | 75  | 22 | 61 | 32,5 |
| 341258547900            | 1258-40-40  | E2-40 x 40 | 40 | 40 | 83 | 83 | 90  | 22 | 76 | 32,5 |
| 341258633700            | 1258-50-10  | -          | 50 | 10 | 50 | 98 | 75  | 30 | 62 | 35,0 |
| 341258635200            | 1258-50-12  | -          | 50 | 12 | 56 | 98 | 90  | 30 | 76 | 35,0 |
| 341258637800            | 1258-50-16  | E2-50 x 16 | 50 | 16 | 56 | 98 | 90  | 30 | 76 | 35,0 |
| 341258639300            | 1258-50-20  | E2-50 x 20 | 50 | 20 | 56 | 98 | 90  | 30 | 76 | 35,0 |
| 341258641300            | 1258-50-25  | E2-50 x 25 | 50 | 25 | 65 | 98 | 90  | 30 | 76 | 35,0 |
| 341258643900            | 1258-50-30  | -          | 50 | 30 | 68 | 98 | 90  | 30 | 76 | 35,0 |
| 341258645400            | 1258-50-32  | E2-50 x 32 | 50 | 32 | 68 | 98 | 90  | 30 | 76 | 35,0 |
| 341258647000            | 1258-50-40  | E2-50 x 40 | 50 | 40 | 80 | 98 | 90  | 30 | 76 | 35,0 |
| 341258649500            | 1258-50-50  | E2-50 x 50 | 50 | 50 | 90 | 98 | 100 | 30 | 86 | 35,0 |

# 1230



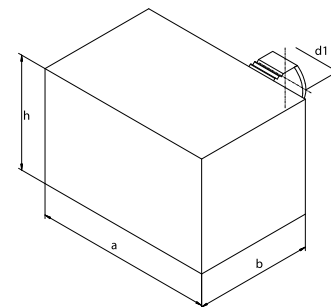
- Werkzeughalter für Bohrstangen
- Toolholder for boring bars



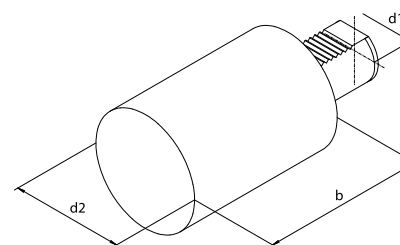
| Artikel Nr.<br>Code No. | Typ<br>Type | d1 | d2 | d3 | b  | h    |
|-------------------------|-------------|----|----|----|----|------|
| 341230010000            | 1230-30-12  | 30 | 68 | 12 | 30 | 28,0 |
| 341230020100            | 1230-30-16  | 30 | 68 | 16 | 30 | 28,0 |
| 341230030300            | 1230-30-20  | 30 | 68 | 20 | 30 | 28,0 |
| 341230040500            | 1230-40-12  | 40 | 83 | 12 | 30 | 32,5 |
| 341230050700            | 1230-40-16  | 40 | 83 | 16 | 30 | 32,5 |
| 341230060900            | 1230-40-20  | 40 | 83 | 20 | 30 | 32,5 |
| 341230070000            | 1230-40-25  | 40 | 83 | 25 | 30 | 32,5 |
| 341230110000            | 1230-50-16  | 50 | 98 | 16 | 30 | 35,0 |
| 341230120200            | 1230-50-20  | 50 | 98 | 20 | 30 | 35,0 |
| 341230130400            | 1230-50-25  | 50 | 98 | 25 | 30 | 35,0 |
| 341230140600            | 1230-50-32  | 50 | 98 | 32 | 30 | 35,0 |



| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880   | d1 | a   | h   | b   |
|-------------------------|-------------|-------------|----|-----|-----|-----|
| 341201000400            | 1201-16     | A1-16 x 44  | 16 | 78  | 44  | 44  |
| 341201010600            | 1201-20     | A1-20 x 65  | 20 | 100 | 60  | 65  |
| 341201020800            | 1201-30     | A1-30 x 85  | 30 | 130 | 76  | 85  |
| 341201030000            | 1201-40     | A1-40 x 100 | 40 | 151 | 96  | 100 |
| 341201040100            | 1201-50     | A1-50 x 125 | 50 | 160 | 120 | 125 |


**1201**


| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880   | d1 | d2 | b   |
|-------------------------|-------------|-------------|----|----|-----|
| 341203000000            | 1203-16     | A2-16 x 60  | 16 | 40 | 60  |
| 341203010200            | 1203-20     | A2-20 x 70  | 20 | 50 | 70  |
| 341203020400            | 1203-30     | A2-30 x 100 | 30 | 68 | 100 |
| 341203030600            | 1203-30L    | A2-30 x 240 | 30 | 68 | 240 |
| 341203040800            | 1203-40     | A2-40 x 120 | 40 | 83 | 120 |
| 341203050000            | 1203-40L    | A2-40 x 320 | 40 | 83 | 320 |
| 341203060100            | 1203-50     | A2-50 x 135 | 50 | 98 | 135 |
| 341203070300            | 1203-50L    | A2-50 x 400 | 50 | 98 | 400 |


**1203**


1

2

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6

1201

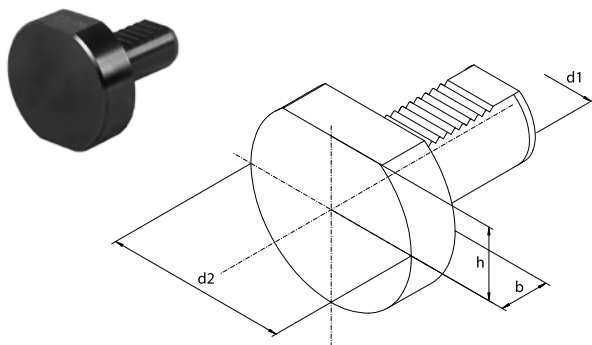
1203



## 1225



- Verschlussstopfen
- Blanking plug (steel)

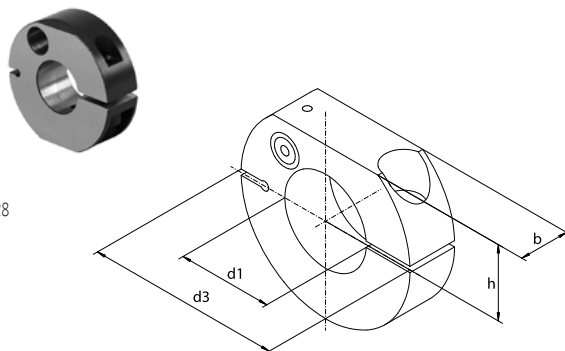


| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880 | d1 | d2 | b  | h    |
|-------------------------|-------------|-----------|----|----|----|------|
| 341225000100            | 1225-16     | Z2-16     | 16 | 40 | 13 | 18,0 |
| 341225001400            | 1225-20     | Z2-20     | 20 | 50 | 16 | 23,0 |
| 341225010300            | 1225-25     | Z2-25     | 25 | 58 | 16 | 25,0 |
| 341225020500            | 1225-30     | Z2-30     | 30 | 68 | 16 | 28,0 |
| 341225030700            | 1225-40     | Z2-40     | 40 | 83 | 20 | 32,5 |
| 341225040900            | 1225-50     | Z2-50     | 50 | 98 | 20 | 35,0 |

## 1227



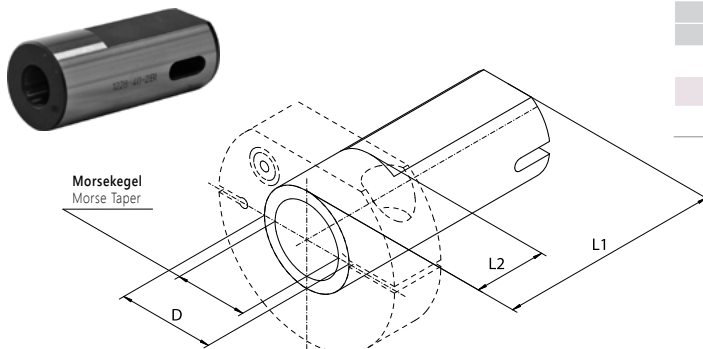
- Klemmringe für Reduzierhülse Typ 1228
- Clamping ring used with the sleeves type 1228



| Artikel Nr.<br>Code No. | Typ<br>Type | DIN 69880 | d1 | d3 | b  | h    |
|-------------------------|-------------|-----------|----|----|----|------|
| 341227010000            | 1227-20     | Z1-20     | 20 | 50 | 16 | 23,0 |
| 341227020100            | 1227-25     | Z1-25     | 25 | 58 | 16 | 25,0 |
| 341227030300            | 1227-30     | Z1-30     | 30 | 68 | 22 | 28,0 |
| 341227040500            | 1227-40     | Z1-40     | 40 | 83 | 22 | 32,5 |
| 341227050700            | 1227-50     | Z1-50     | 50 | 98 | 30 | 35,0 |

## 1228

- Reduzierhülse
- Reducing sleeve with morse taper

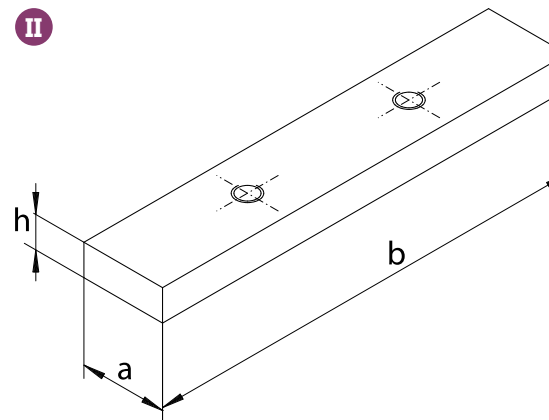
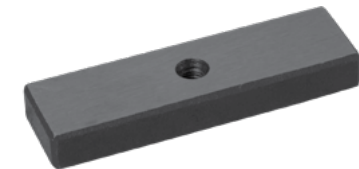
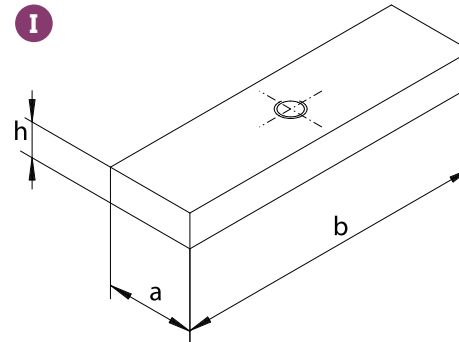


| Artikel Nr.<br>Code No. | Typ<br>Type | D  | Morsekegel<br>Morse Taper | L1  | L2 |
|-------------------------|-------------|----|---------------------------|-----|----|
| 341228030100            | 1228-40-2BI | 40 | 2                         | 95  | 30 |
| 341228031400            | 1228-40-3BI | 40 | 3                         | 95  | 30 |
| 341228032700            | 1228-40-4BI | 40 | 4                         | 118 | 55 |

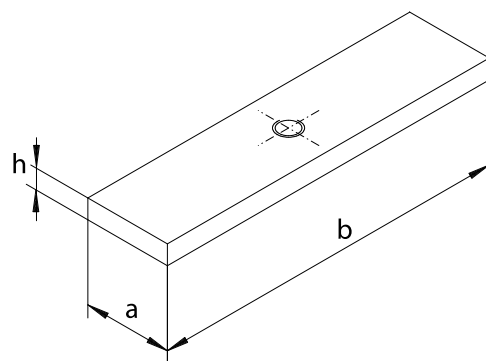
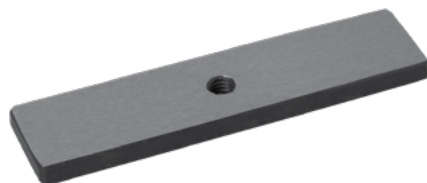


| Artikel Nr.<br>Code No. | Für Typ<br>For Type | Ausführung<br>Version | a    | b   | h   |
|-------------------------|---------------------|-----------------------|------|-----|-----|
| 398342090500            | 1114-16P            | I                     | 10,5 | 36  | 4,5 |
| 398342090500            | 1114-16P-L          | I                     | 10,5 | 36  | 4,5 |
| 398342090500            | 1115-16P            | I                     | 10,5 | 36  | 4,5 |
| 398342090500            | 1115-16P-L          | I                     | 10,5 | 36  | 4,5 |
| 398342080300            | 1114-20P            | I                     | 13,5 | 47  | 5,0 |
| 398342080300            | 1114-20P-L          | I                     | 13,5 | 47  | 5,0 |
| 398342070100            | 1114-30P            | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1114-30P-L          | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1114-30L            | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1114-30L-L          | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1133-30P            | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1133-30L            | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1115-30P            | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1115-30P-L          | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1115-30L            | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1115-30L-L          | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1134-30P            | I                     | 17,5 | 59  | 8,0 |
| 398342070100            | 1134-30L            | I                     | 17,5 | 59  | 8,0 |
| 398342120300            | 1124-30P            | II                    | 17,5 | 89  | 8,0 |
| 398342120300            | 1124-30P-L          | II                    | 17,5 | 89  | 8,0 |
| 398342120300            | 1125-30L            | II                    | 17,5 | 89  | 8,0 |
| 398342120300            | 1124-30L-L          | II                    | 17,5 | 89  | 8,0 |
| 398342120300            | 1125-30P            | II                    | 17,5 | 89  | 8,0 |
| 398342120300            | 1125-30P-L          | II                    | 17,5 | 89  | 8,0 |
| 398342120300            | 1124-30L            | II                    | 17,5 | 89  | 8,0 |
| 398342120300            | 1125-30L-L          | II                    | 17,5 | 89  | 8,0 |
| 398342040600            | 1133-40P            | I                     | 21,2 | 72  | 8,0 |
| 398342040600            | 1134-40P            | I                     | 21,2 | 72  | 8,0 |
| 398342030400            | 1114-40P            | I                     | 21,5 | 72  | 8,0 |
| 398342030400            | 1114-40L            | I                     | 21,5 | 72  | 8,0 |
| 398342030400            | 1133-40L            | I                     | 21,5 | 72  | 8,0 |
| 398342030400            | 1115-40P            | I                     | 21,5 | 72  | 8,0 |
| 398342030400            | 1115-40L            | I                     | 21,5 | 72  | 8,0 |
| 398342030400            | 1134-40L            | I                     | 21,5 | 72  | 8,0 |
| 398342110100            | 1124-40P            | II                    | 21,5 | 105 | 8,0 |
| 398342110100            | 1124-40L            | II                    | 21,5 | 105 | 8,0 |
| 398342110100            | 1125-40P            | II                    | 21,5 | 105 | 8,0 |
| 398342110100            | 1125-40L            | II                    | 21,5 | 105 | 8,0 |
| 398342010000            | 1133-50P            | I                     | 23,7 | 83  | 8,0 |
| 398342010000            | 1134-50P            | I                     | 23,7 | 83  | 8,0 |
| 398342020200            | 1133-50L            | I                     | 24,2 | 83  | 8,0 |
| 398342020200            | 1134-50L            | I                     | 24,2 | 83  | 8,0 |
| 398342000900            | 1114-50P            | I                     | 24,5 | 83  | 8,0 |
| 398342000900            | 1114-50L            | I                     | 24,5 | 83  | 8,0 |
| 398342000900            | 1115-50P            | I                     | 24,5 | 83  | 8,0 |
| 398342000900            | 1115-50L            | I                     | 24,5 | 83  | 8,0 |
| 398342100000            | 1124-50P            | II                    | 24,5 | 113 | 8,0 |
| 398342100000            | 1124-50L            | II                    | 24,5 | 113 | 8,0 |
| 398342100000            | 1125-50P            | II                    | 24,5 | 113 | 8,0 |
| 398342100000            | 1125-50L            | II                    | 24,5 | 113 | 8,0 |

**KLEMMPLATTE**  
PLATE



**UNTERLEGPLATTE**  
PLATE



| Artikel Nr.<br>Code No. | Für Typ<br>For Type | a    | b  | h |
|-------------------------|---------------------|------|----|---|
| 398341030600            | 1114-16P            | 10,5 | 41 | 2 |
| 398341030600            | 1114-16P-L          | 10,5 | 41 | 2 |
| 398341030600            | 1115-16P            | 10,5 | 41 | 2 |
| 398341030600            | 1115-16P-L          | 10,5 | 41 | 2 |
| 398341020400            | 1114-20P            | 13,5 | 54 | 4 |
| 398341020400            | 1114-20P-L          | 13,5 | 54 | 4 |
| 398341010200            | 1124-30P            | 17,5 | 99 | 4 |
| 398341010200            | 1124-30P-L          | 17,5 | 99 | 4 |
| 398341010200            | 1125-30L            | 17,5 | 99 | 4 |
| 398341010200            | 1124-30L-L          | 17,5 | 99 | 4 |
| 398341010200            | 1125-30P            | 17,5 | 99 | 4 |
| 398341010200            | 1125-30P-L          | 17,5 | 99 | 4 |
| 398341010200            | 1124-30L            | 17,5 | 99 | 4 |
| 398341010200            | 1125-30L-L          | 17,5 | 99 | 4 |
| 398341000000            | 1114-30P            | 17,5 | 69 | 4 |
| 398341000000            | 1114-30P-L          | 17,5 | 69 | 4 |
| 398341000000            | 1114-30L            | 17,5 | 69 | 4 |
| 398341000000            | 1114-30L-L          | 17,5 | 69 | 4 |
| 398341000000            | 1133-30P            | 17,5 | 69 | 4 |
| 398341000000            | 1133-30L            | 17,5 | 69 | 4 |
| 398341000000            | 1115-30P            | 17,5 | 69 | 4 |
| 398341000000            | 1115-30P-L          | 17,5 | 69 | 4 |
| 398341000000            | 1115-30L            | 17,5 | 69 | 4 |
| 398341000000            | 1115-30L-L          | 17,5 | 69 | 4 |
| 398341000000            | 1134-30P            | 17,5 | 69 | 4 |
| 398341000000            | 1134-30L            | 17,5 | 69 | 4 |

| Artikel Nr.<br>Code No. | Für Typ<br>For Type | A    | B   | H |
|-------------------------|---------------------|------|-----|---|
| 398340070500            | 1124-40P            | 21,5 | 117 | 5 |
| 398340070500            | 1124-40L            | 21,5 | 117 | 5 |
| 398340070500            | 1125-40P            | 21,5 | 117 | 5 |
| 398340070500            | 1125-40L            | 21,5 | 117 | 5 |
| 398340060300            | 1133-40P            | 21,2 | 84  | 5 |
| 398340060300            | 1134-40P            | 21,2 | 84  | 5 |
| 398340050100            | 1114-40P            | 21,5 | 84  | 5 |
| 398340050100            | 1114-40L            | 21,5 | 84  | 5 |
| 398340050100            | 1133-40L            | 21,5 | 84  | 5 |
| 398340050100            | 1115-40P            | 21,5 | 84  | 5 |
| 398340050100            | 1115-40L            | 21,5 | 84  | 5 |
| 398340050100            | 1134-40L            | 21,5 | 84  | 5 |
| 398340040000            | 1133-50L            | 24,2 | 99  | 7 |
| 398340040000            | 1134-50L            | 24,2 | 99  | 7 |
| 398340030800            | 1133-50P            | 23,7 | 99  | 7 |
| 398340030800            | 1134-50P            | 23,7 | 99  | 7 |
| 398340020600            | 1124-50P            | 24,5 | 129 | 7 |
| 398340020600            | 1124-50L            | 24,5 | 129 | 7 |
| 398340020600            | 1125-50P            | 24,5 | 129 | 7 |
| 398340020600            | 1125-50L            | 24,5 | 129 | 7 |
| 398340010400            | 1114-50P            | 24,5 | 99  | 7 |
| 398340010400            | 1124-50L            | 24,5 | 99  | 7 |
| 398340010400            | 1115-50P            | 24,5 | 99  | 7 |
| 398340010400            | 1125-50L            | 24,5 | 99  | 7 |

