

## Gleitelemente



|                                                                                     |                                                                                                                  |      |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------|
|    | <b>5317. Führungsbuchsen ohne Bund</b><br>DIN ISO 2768 mittel, Bronze mit Festschmierstoff                       | 2. 1 |
|    | <b>5317. Führungsbuchsen ohne Bund</b><br>DIN ISO 2768 mittel, Bronze mit Festschmierstoff                       | 2. 2 |
|    | <b>5316. Führungsbuchsen mit Bund</b> DIN 9834, Bronze mit Festschmierstoff<br><b>5301. Haltestücke</b> DIN 9832 | 2. 3 |
|    | <b>5318. Führungsbuchsen mit Bund</b><br>Bronze mit Festschmierstoff                                             | 2. 4 |
|    | <b>5319. Führungsbuchsen mit Bund</b><br>Bronze mit Festschmierstoff                                             | 2. 5 |
|    | <b>5320. Führungsbuchsen mit Bund</b><br>Bronze mit Festschmierstoff                                             | 2. 6 |
|    | <b>N 4.45 Haltestück</b><br><b>5301.06., 5301.08. &amp; 5301.10. Haltestück</b>                                  | 2. 7 |
|  | <b>5121. Gleitplatte</b><br>Bronze mit Festschmierstoff, VDI 3357, s= 20 mm                                      | 2. 8 |
|  | <b>5122. Gleitplatte</b><br>Bronze mit Festschmierstoff, VDI 3357, s= 12 mm                                      | 2. 9 |
|  | <b>5130. Gleitplatte</b><br>Bronze mit Festschmierstoff, s= 10 mm                                                | 2.10 |
|  | <b>5131. Gleitplatte</b><br>Bronze mit Festschmierstoff, s= 10 mm                                                | 2.11 |
|  | <b>5133. Gleitplatte</b><br>Bronze mit Festschmierstoff, s= 10 mm                                                | 2.12 |
|  | <b>5132. Gleitplatte</b><br>Bronze mit Festschmierstoff, s= 5 mm                                                 | 2.13 |
|  | <b>5140. Flachleiste</b><br>Bronze mit Festschmierstoff, ohne Bohrung                                            | 2.14 |
|  | <b>5145. Deckleiste</b><br>Bronze mit Festschmierstoff, VDI 3357                                                 | 2.15 |
|  | <b>5146. Deckleiste, Stahl</b><br>VDI 3357                                                                       | 2.16 |

|                                                                                     |                                                                                                                           |      |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------|
|    | <b>5150. Führungslasche</b><br>Bronze mit Festschmierstoff, VDI 3387                                                      | 2.17 |
|    | <b>5152. Führungslasche</b><br>Stahl mit Festschmierstoff, VDI 3387                                                       | 2.18 |
|    | <b>5155. Winkelleiste</b><br>Bronze mit Festschmierstoff, VDI 3357                                                        | 2.19 |
|    | <b>5156. Winkelleiste</b><br>Bronze mit Festschmierstoff                                                                  | 2.20 |
|    | <b>5157. Winkelleiste ohne Befestigungsbohrung</b><br>Bronze mit Festschmierstoff                                         | 2.21 |
|    | <b>5160. Überlaufkeile</b><br>Bronze mit Festschmierstoff, VDI 3357                                                       | 2.22 |
|    | <b>5161. Überlaufkeile, Stahl</b><br>VDI 3357                                                                             | 2.23 |
|   | <b>5165. Prismenführung</b><br>Bronze mit Festschmierstoff, ähnl. VDI 3387                                                | 2.24 |
|  | <b>5165.1. Prismenführung, Stahl</b><br>ähnl. VDI 3387                                                                    | 2.25 |
|  | <b>5168. Schieber Mittenführung</b><br>Bronze mit Festschmierstoff                                                        | 2.26 |
|  | <b>5170. Führungsleiste mit 2 Gleitflächen</b><br>Bronze mit Festschmierstoff, VDI 3357                                   | 2.27 |
|  | <b>5175. Rechteckführung, Stahl gehärtet mit Festschmierstoff</b><br><b>5175.1. Führungsaufnahme zu Rechteckführungen</b> | 2.28 |
|  | <b>5176. Verriegelung</b>                                                                                                 | 2.29 |
|  | <b>5200. Zentriereinheit mit Abstimmscheibe</b>                                                                           | 2.30 |
|  | <b>5201. Zentrierbolzen</b><br>nach BMW- und VW-Norm                                                                      | 2.31 |
|  | <b>5202. Zentrierbolzen</b><br>nach DC-Norm                                                                               | 2.32 |



**5205. Einweiser**

**2.33**



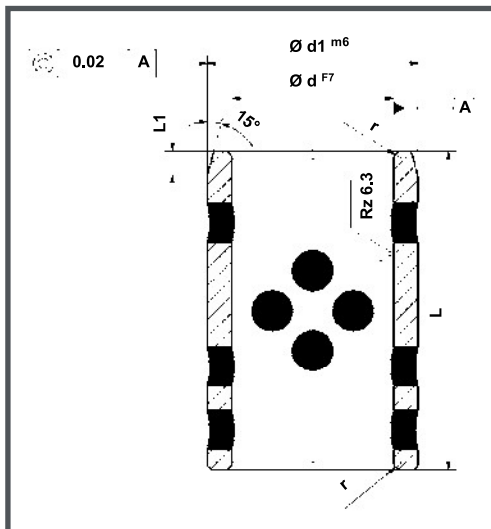
**5206. Einweiser mit Teillagekontrolle nach VDI**

**2.34**

**5317. Führungsbuchsen ohne Bund**

DIN ISO 2768 mittel, Bronze mit Festschmierstoff

Zeichnung zu 5317.

**Produkteigenschaften**

**Material:** Bronze mit Festschmierstoff, wartungsarm  
**Härte:** HB10: 190 - 220  
**Hinweis:** Empfohlene Aufnahmebohrung beim Einpressen H7, beim Einkleben G7 (evtl. mit Gewindestift sichern)

**Bestellbeispiel:**

5317.020.028.040

Führungsbuchsen ohne Bund

d = 20,0 mm

d1 = 28,0 mm

L = 40,0 mm

Tabelle zu 5317.

| ød  | 8  | 8  | 10 | 10 | 12 | 12 | 13 | 14 | 15 | 16 | 16 | 18 | 19 | 20 | 20 | 20 | 22 | 25 | 25 | 25 | 30 | 30 | 30 | 31 | 32 | 35 | 35 | 38 |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| ød1 | 11 | 12 | 14 | 15 | 16 | 18 | 19 | 20 | 21 | 20 | 22 | 24 | 26 | 26 | 28 | 30 | 32 | 30 | 33 | 35 | 38 | 40 | 45 | 40 | 42 | 44 | 45 | 48 |
| L1  | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| r   | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  |

| L   | -0,1 | -0,3 |
|-----|------|------|
| 8   | •    | •    |
| 10  | •    | •    |
| 12  | •    | •    |
| 14  | •    | •    |
| 15  | •    | •    |
| 16  | •    | •    |
| 18  | •    | •    |
| 20  | •    | •    |
| 25  | •    | •    |
| 28  | •    | •    |
| 30  | •    | •    |
| 35  | •    | •    |
| 40  | •    | •    |
| 45  | •    | •    |
| 50  | •    | •    |
| 60  | •    | •    |
| 100 | •    | •    |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

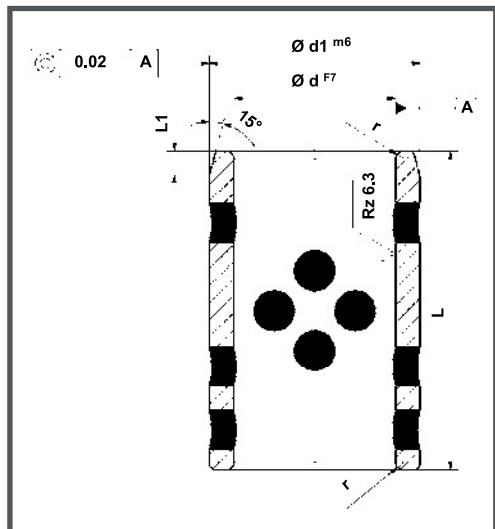
**5317. Führungsbuchsen ohne Bund**

DIN ISO 2768 mittel, Bronze mit Festschmierstoff

**Produkteigenschaften**

**Material:** Bronze mit Festschmierstoff, wartungsarm  
**Härte:** HB10: 190 - 220  
**Hinweis:** Empfohlene Aufnahmebohrung beim Einpressen H7, beim Einkleben G7 (evtl. mit Gewindestift sichern)

Zeichnung zu 5317.

**Bestellbeispiel:**

5317.020.028.040

Führungsbuchsen ohne Bund

d = 20,0 mm

d1 = 28,0 mm

L = 40,0 mm

Tabelle zu 5317.

|     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ød  | 40 | 40 | 45 | 45 | 45 | 50 | 50 | 50 | 55 | 60 | 60 | 60 | 63 | 65 | 70 | 70 | 75 | 75 | 80 | 80  | 90  | 100 | 110 | 120 | 125 | 130 | 140 | 150 | 160 |
| Ød1 | 50 | 55 | 55 | 56 | 60 | 60 | 62 | 65 | 70 | 70 | 74 | 75 | 75 | 80 | 85 | 90 | 90 | 95 | 96 | 100 | 110 | 120 | 130 | 140 | 145 | 150 | 160 | 170 | 180 |
| L1  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   |
| r   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |

|     |      |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----|------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L   | -0,1 | -0,3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 20  | ●    |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 25  | ●    | ●    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 30  | ●    | ●    | ● | ● | ● | ● | ● | ● |   | ● | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 35  | ●    | ●    | ● | ● |   | ● | ● |   |   | ● | ● |   |   | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 40  | ●    | ●    | ● | ● | ● | ● | ● | ● | ● | ● | ● |   |   | ● | ● |   |   | ● | ● |   |   |   |   |   |   |   |   |   |   |
| 45  |      |      |   |   |   |   |   |   |   |   | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 50  | ●    | ●    | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 60  | ●    | ●    | ● | ● | ● | ● | ● | ● | ● |   | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 70  |      |      |   |   | ● | ● | ● | ● | ● |   | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 80  | ●    |      |   |   | ● | ● | ● | ● |   |   | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 100 |      |      |   |   |   |   |   | ● |   |   | ● |   |   | ● |   | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 110 |      |      | ● |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 120 |      |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 130 |      |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   |   |   |
| 140 |      |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● |   |   | ● |   | ● |   |   |   | ● |   |   |
| 150 |      |      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ● | ● |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel



## 5316. Führungsbuchsen mit Bund

DIN 9834, Bronze mit Festschmierstoff

## 5301. Haltestücke

DIN 9832



### Produkteigenschaften

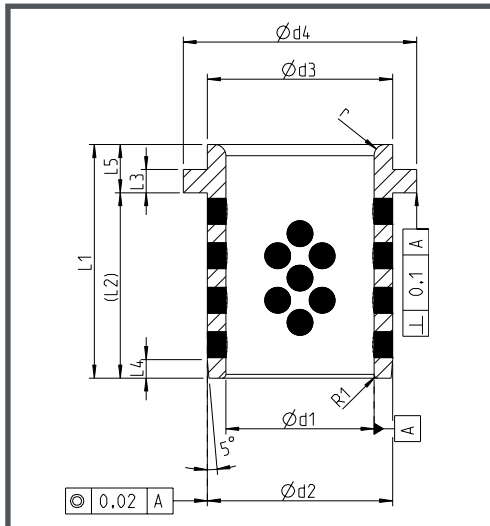
#### Führungsbuchsen

**Material:** Bronze mit Festschmierstoff, wartungsarm

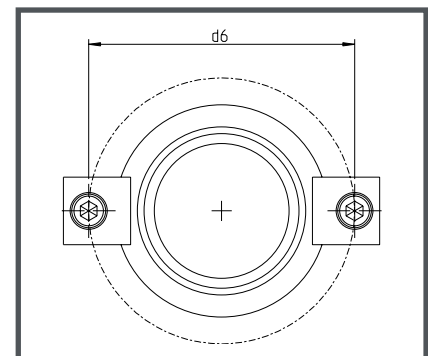
**Härte:** HB10: 190 - 220

**Hinweis:** Aufnahmebohrung H7  
Haltestücke inkl. Schrauben

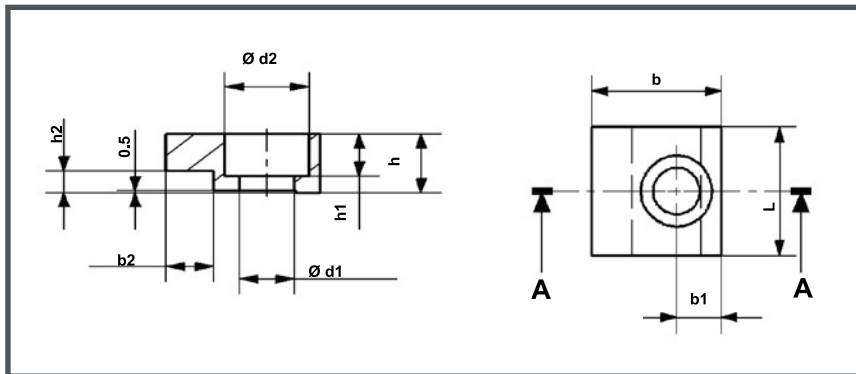
Zeichnung zu 5316.



Teilkreiszeichnung 1 zu 5316.



Zeichnung zu 5301.



Teilkreiszeichnung 2 zu 5316.

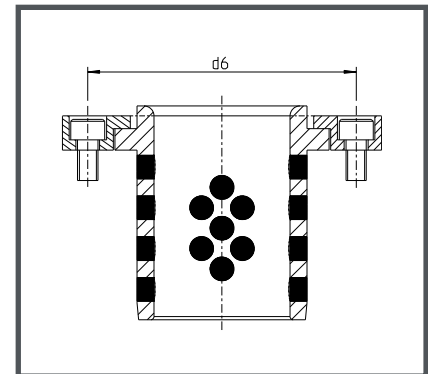


Tabelle zu 5316.

| Ød1<br>H7 | Ød2<br>h6 | Ød3<br>-0,25 | Ød4<br>-0,8 | L1<br>-0,5<br>-1 | L3<br>±0,1 | L4<br>±1 | L5<br>-0,5 | r  | Halte-<br>stück |
|-----------|-----------|--------------|-------------|------------------|------------|----------|------------|----|-----------------|
| 24/25     | 32        | 32           | 40          | 40               | 6,3        | 3        | 10         | 3  | ●               |
| 30/32     | 40        | 40           | 50          | 50               |            | 4        | 12         |    |                 |
| 38/40     | 50        | 50           | 63          | 63               |            | 5        | 15         |    |                 |
| 50        | 63        | 63           | 71          | 71               |            | 6,3      | 17         |    |                 |
| 60/63     | 80        | 80           | 90          | 80               | 10         | 8        | 19         | 6  | ○               |
| 80        | 100       | 100          | 112         | 100              |            | 10       | 22         |    |                 |
| 100       | 125       | 125          | 140         | 125              |            | 12,5     | 21         |    |                 |
| 125       | 160       | 160          | 180         | 160              |            | 16       | 30         |    |                 |
| 160       | 200       | 200          | 220         | 200              |            |          | 32         | 18 |                 |

Tabelle zu 5301.

| b<br>h9 | L<br>0<br>-0,4 | h<br>h11 | b1  | b2<br>+0,3<br>0 | h1<br>+0,2<br>0 | h2<br>0<br>-0,3 | Ød1<br>+0,2<br>0 | Ød2<br>+0,2<br>0 | Führungs-<br>buchsen | Bestell-<br>nummer |
|---------|----------------|----------|-----|-----------------|-----------------|-----------------|------------------|------------------|----------------------|--------------------|
| 20      | 20             | 10       | 7,5 | 5               | 7               | 6,3             | 7                | 11               | ●                    | 5301.06            |
| 32      | 32             | 16       | 11  | 10              | 11,5            | 10              | 11,5             | 17,5             | ○                    | 5301.10            |
| 25      | 20             | 12       | 10  | 5               | 8,5             | 6,3             | 9                | 15               |                      | 5301.08            |

Stahlsorte C45 K oder S235

#### Bestellbeispiel:

5316.025

Führungsbuchsen DIN 9834

d1 = 25,0 mm, d2 = 32,0 mm, L1 = 40,0 mm

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5318. Führungsbuchsen mit Bund

Bronze mit Festschmierstoff

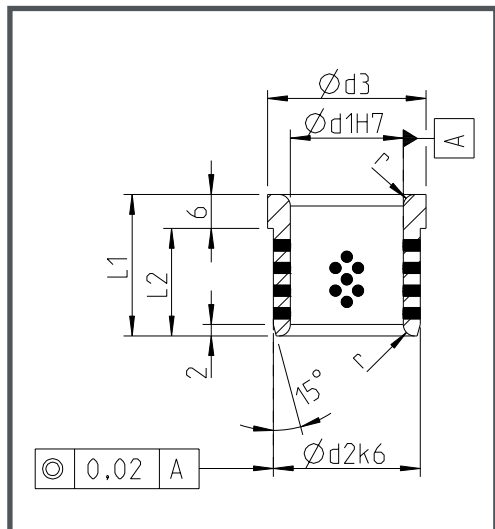


### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Hinweis:** Aufnahmebohrung G7  
Buchse kann auch eingeklebt werden.

Zeichnung zu 5318.



### Bestellbeispiel:

5318.012.020  
Führungsbuchsen mit Bund  
 $d1 = 12,0 \text{ mm}$   
 $L1 = 20,0 \text{ mm}$

Tabelle zu 5318.

| d1 | - | 12 | 16 | 20 | 24 |
|----|---|----|----|----|----|
| d2 | - | 16 | 20 | 26 | 30 |
| d3 | - | 18 | 24 | 28 | 35 |
| r  | - | 2  | 2  | 2  | 2  |

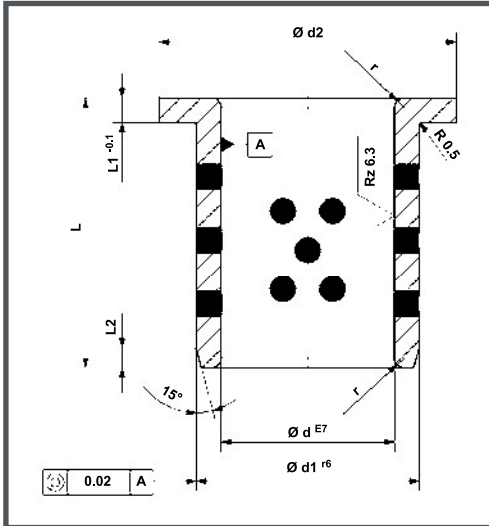
| L1 | L2 |   |   |   |   |
|----|----|---|---|---|---|
| 20 | 14 | ● | ● | ● | ● |
| 25 | 19 | ● | ● | ● | ● |
| 30 | 24 | ● | ● | ● | ● |



## 5319. Führungsbuchsen mit Bund

Bronze mit Festschmierstoff

Zeichnung zu 5319.



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm  
**Härte:** HB10: 190 - 220  
**Hinweis:** Aufnahmebohrung H7

### Bestellbeispiel:

5319.040.050  
 Führungsbuchsen mit Bund  
 $d = 40,0 \text{ mm}$   
 $L = 50,0 \text{ mm}$

Tabelle zu 5319.

| ød  | 10 | 12 | 13  | 14  | 15  | 16  | 20  | 25 | 30 | 31,5 | 35 | 40 | 45 | 50 | 55 | 60  | 63  | 70  | 75  | 80  | 90  | 100 | 120 |
|-----|----|----|-----|-----|-----|-----|-----|----|----|------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| ød1 | 14 | 18 | 19  | 20  | 21  | 22  | 30  | 35 | 40 | 40   | 45 | 50 | 55 | 60 | 65 | 75  | 75  | 85  | 90  | 100 | 110 | 120 | 140 |
| ød2 | 22 | 25 | 26  | 27  | 28  | 29  | 40  | 45 | 50 | 50   | 60 | 65 | 70 | 75 | 80 | 90  | 85  | 105 | 110 | 120 | 130 | 150 | 170 |
| L1  | 2  | 3  | 3   | 3   | 3   | 3   | 5   | 5  | 5  | 5    | 5  | 5  | 5  | 5  | 5  | 7,5 | 7,5 | 7,5 | 7,5 | 10  | 10  | 10  | 10  |
| L2  | 2  | 3  | 3   | 3   | 3   | 3   | 3   | 3  | 3  | 3    | 4  | 4  | 4  | 4  | 4  | 4   | 4   | 4   | 4   | 5   | 5   | 5   | 5   |
| r   | 1  | 1  | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 2  | 2  | 2    | 2  | 2  | 2  | 2  | 2  | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |

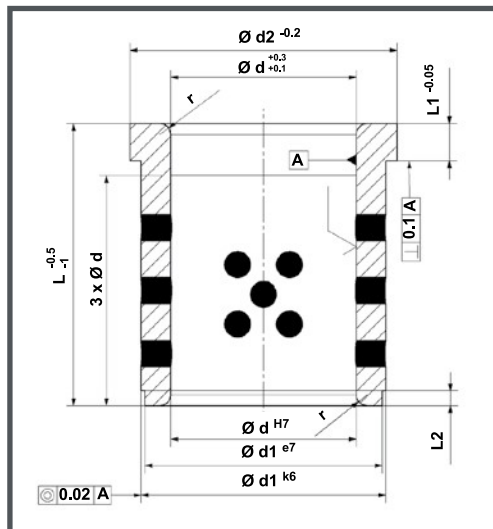
| L    | 15 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 67,5 | 80 | 100 |
|------|----|----|----|----|----|----|----|----|------|----|-----|
| 15   | ●  | ●  | ●  | ●  | ●  | ●  |    |    |      |    |     |
| 20   | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |      |    |     |
| 25   |    |    |    |    | ●  | ●  | ●  | ●  |      |    |     |
| 30   |    |    |    |    | ●  | ●  | ●  | ●  | ●    | ●  | ●   |
| 35   |    |    |    |    |    | ●  | ●  | ●  | ●    | ●  | ●   |
| 40   |    |    |    |    |    | ●  | ●  | ●  | ●    | ●  | ●   |
| 50   |    |    |    |    |    |    | ●  | ●  | ●    | ●  | ●   |
| 60   |    |    |    |    |    |    |    | ●  | ●    | ●  | ●   |
| 67,5 |    |    |    |    |    |    |    |    | ●    | ●  | ●   |
| 80   |    |    |    |    |    |    |    |    | ●    | ●  | ●   |
| 100  |    |    |    |    |    |    |    |    |      | ●  | ●   |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5320. Führungsbuchsen mit Bund

Bronze mit Festschmierstoff

Zeichnung zu 5320.



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm  
**Härte:** HB10: 190 - 220  
**Hinweis:** Aufnahmebohrung H7

### Bestellbeispiel:

5320.040.076  
 Führungsbuchsen mit Bund  
 d = 40,0 mm  
 L = 76,0 mm

Tabelle zu 5320.

| Ød  | 9  | 10 | 12  | 14  | 15  | 16  | 18  | 20  | 22 | 24 | 30 | 32 | 40 | 42 | 50 | 60 |
|-----|----|----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|
| Ød1 | 14 | 14 | 18  | 20  | 20  | 22  | 26  | 26  | 30 | 30 | 42 | 42 | 54 | 54 | 66 | 80 |
| Ød2 | 16 | 16 | 23  | 25  | 25  | 27  | 31  | 31  | 35 | 35 | 47 | 47 | 60 | 60 | 72 | 86 |
| L1  | 3  | 3  | 6   | 6   | 6   | 6   | 6   | 6   | 6  | 6  | 6  | 6  | 10 | 10 | 10 | 20 |
| L2  | 2  | 2  | 3   | 3   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4  |
| r   | 1  | 1  | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  |

| L   | 9 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 22 | 24 | 30 | 32 | 40 | 42 | 50 | 60 |
|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 12  | ● | ●  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 17  | ● | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |    |    |    |    |    |
| 22  | ● | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |    |    |    |    |    |
| 27  | ● | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |    |    |    |
| 36  | ● | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |    |    |
| 46  |   |    |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |    |    |
| 56  |   |    |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |    |
| 66  |   |    |    |    |    |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |    |
| 76  |   |    |    |    |    |    |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |
| 86  |   |    |    |    |    |    |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    |
| 96  |   |    |    |    |    |    |    |    |    |    | ●  | ●  | ●  | ●  | ●  | ●  |
| 116 |   |    |    |    |    |    |    |    |    |    | ●  | ●  | ●  | ●  | ●  | ●  |
| 136 |   |    |    |    |    |    |    |    |    |    |    | ●  | ●  | ●  | ●  | ●  |
| 156 |   |    |    |    |    |    |    |    |    |    |    |    | ●  | ●  | ●  | ●  |
| 196 |   |    |    |    |    |    |    |    |    |    |    |    |    |    | ●  | ●  |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

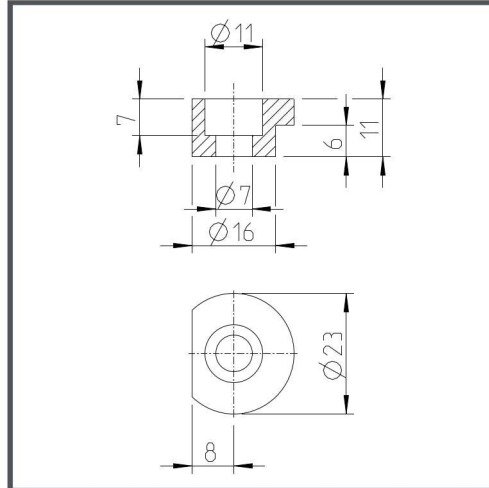
## N 4.45 Haltestück

### 5301.06., 5301.08. & 5301.10. Haltestück

#### N4.45. Haltestück

- inkl. Schraube
- Spannhöhe 6 mm
- Schraube M6

Zeichnung zu N4.45.



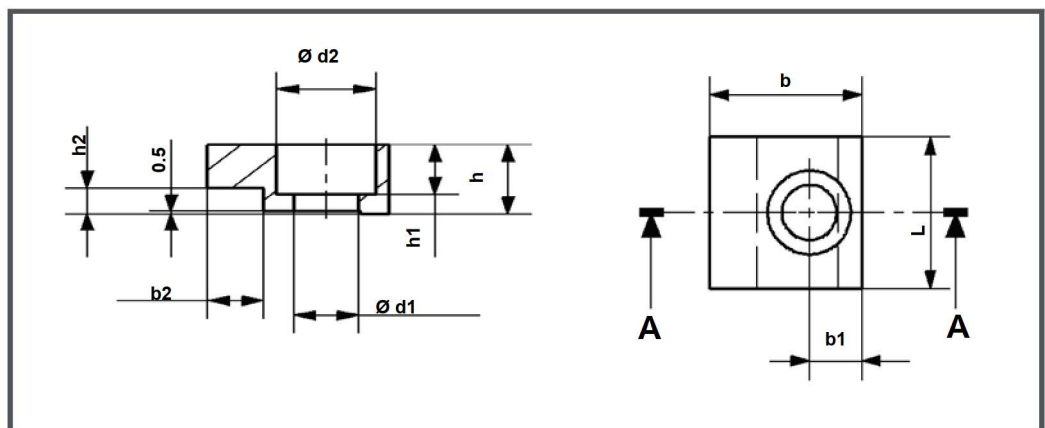
N4.45.



5301.06., 5301.08. & 5301.10.



Zeichnung zu 5301.06., 5301.08. & 5301.10.



#### 5301.06. Haltestück

- inkl. Schraube
- Stahl, gefräst
- Spannhöhe 6-6,3 mm
- Schraube M6

#### 5301.10 Haltestück

- inkl. Schraube
- Stahl, gefräst
- Spannhöhe 10 mm
- Schraube M10

#### 5301.08 Haltestück

- inkl. Schraube
- Stahl, gefräst
- Spannhöhe 8 mm
- Schraube M8

Tabelle zu 5301.06., 5301.08. & 5301.10.

| b<br>h9 | L<br>0 -0,4 | h<br>h11 | b1  | b2<br>+0,3 0 | h1<br>+0,2 0 | h2<br>0 -0,3 | Ød1<br>+0,2 0 | Ød2<br>+0,2 0 | Bestell-<br>nummer |
|---------|-------------|----------|-----|--------------|--------------|--------------|---------------|---------------|--------------------|
| 20      | 20          | 10       | 7,5 | 5            | 7            | 6,3          | 7             | 11            | 5301.06            |
| 32      | 32          | 16       | 11  | 10           | 11,5         | 10           | 11,5          | 17,5          | 5301.10            |
| 25      | 20          | 12       | 10  | 5            | 8,5          | 6,3          | 9             | 15            | 5301.08            |

## 5121. Gleitplatte

Bronze mit Festschmierstoff, VDI 3357, s= 20 mm

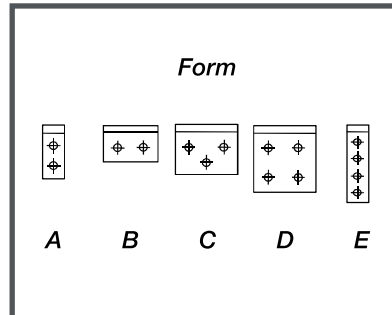
### i Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

Lochbild zu 5121.



### Bestellbeispiel:

5121.050.080

Gleitplatte VDI 3357

b1= 50,0 mm

L1= 80,0 mm

s = 20,0 mm

Zeichnung zu 5121.

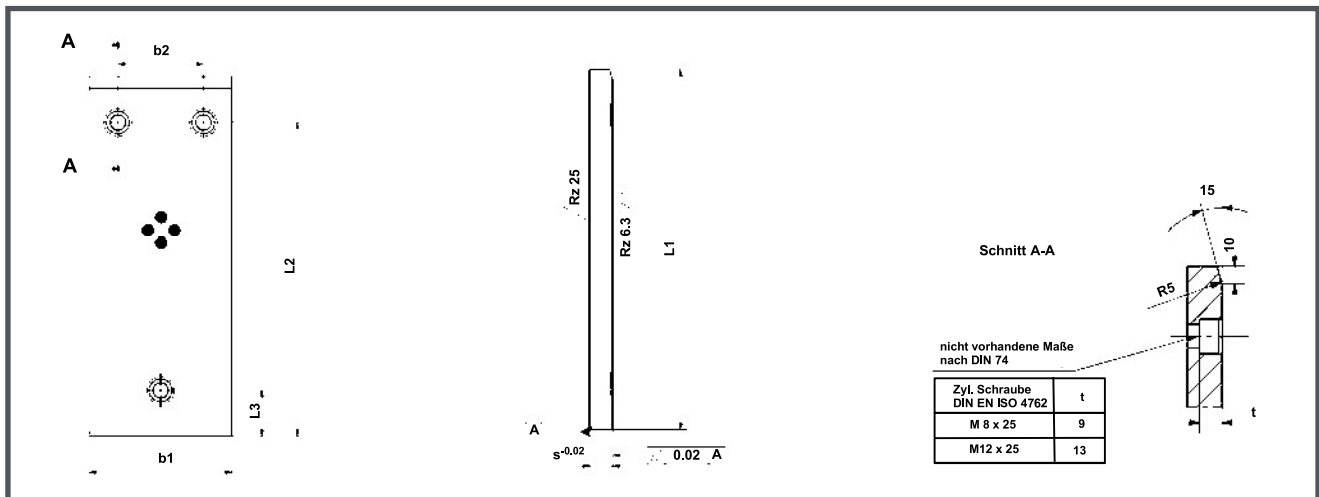


Tabelle zu 5121.

| b1 x L1 x s   | b2<br>±0,2 | L3<br>±0,2 | L2<br>±0,2 | Form | Zyl.-Schraube<br>DIN 912 | Stk. |  |
|---------------|------------|------------|------------|------|--------------------------|------|--|
| 50 x 80 x 20  | -          | 25         | 55         | A    | M8 x 25                  | 2    |  |
| 50 x 100 x 20 |            |            | 75         |      | M12 x 25                 |      |  |
| 50 x 125 x 20 |            |            | 100        |      |                          |      |  |
| 50 x 160 x 20 |            |            | 135        |      |                          |      |  |
| 50 x 200 x 20 |            |            | 175        |      |                          |      |  |
| 50 x 250 x 20 |            |            | 85         | E    |                          | 4    |  |
| 50 x 300 x 20 |            |            | 105        |      |                          |      |  |
| 50 x 350 x 20 |            |            | 125        |      |                          |      |  |
| 50 x 400 x 20 |            |            | 145        |      |                          |      |  |
| 50 x 450 x 20 |            |            | 165        |      |                          |      |  |
| 50 x 500 x 20 |            |            | 175        |      |                          |      |  |
| 80 x 50 x 20  | 30         | 25         | -          | B    | M8 x 25                  | 2    |  |
| 80 x 80 x 20  |            |            | 55         | A    |                          |      |  |
| 80 x 100 x 20 |            |            | 75         |      |                          |      |  |
| 80 x 125 x 20 |            |            | 100        |      |                          |      |  |
| 80 x 160 x 20 |            |            | 135        |      |                          |      |  |
| 80 x 200 x 20 |            |            | 175        |      |                          |      |  |
| 80 x 250 x 20 |            |            | 210        | E    |                          |      |  |
| 80 x 315 x 20 |            |            | 275        |      |                          |      |  |
| 80 x 250 x 20 |            | 85         |            |      |                          |      |  |
| 80 x 300 x 20 |            | 105        | E          |      |                          |      |  |
| 80 x 350 x 20 |            | 125        |            |      |                          |      |  |
| 80 x 400 x 20 |            | 145        |            |      |                          |      |  |
| 80 x 450 x 20 |            | 165        |            |      |                          |      |  |
| 80 x 500 x 20 |            | 175        |            |      |                          |      |  |
| 100 x 50 x 20 | 50         | 25         | -          | B    | M12 x 25                 | 2    |  |
| 100 x 80 x 20 |            | 40         | -          | B    | M12 x 25                 | 2    |  |

| b1 x L1 x s    | b2<br>±0,2 | L3<br>±0,2 | L2<br>±0,2 | Form | Zyl.-Schraube<br>DIN 912 | Stk. |   |
|----------------|------------|------------|------------|------|--------------------------|------|---|
| 100 x 100 x 20 | -          | 25         | 75         | A    | M12 x 25                 | 2    |   |
| 100 x 125 x 20 |            |            | 100        |      |                          |      |   |
| 100 x 160 x 20 |            |            | 135        |      |                          |      |   |
| 100 x 200 x 20 |            |            | 175        |      |                          |      |   |
| 100 x 250 x 20 |            |            | 210        | E    |                          | 4    |   |
| 100 x 315 x 20 |            |            | 275        |      |                          |      |   |
| 100 x 450 x 20 |            |            | 165        | B    |                          | 2    |   |
| 100 x 500 x 20 |            |            | 175        |      |                          |      |   |
| 125 x 50 x 20  |            | 75         | -          |      |                          |      | C |
| 125 x 80 x 20  |            |            | 75         |      |                          |      |   |
| 125 x 100 x 20 |            |            | 100        |      |                          |      |   |
| 125 x 125 x 20 |            |            | 135        |      |                          |      |   |
| 125 x 160 x 20 |            |            | 175        | E    |                          |      |   |
| 125 x 200 x 20 |            |            | 210        |      |                          |      |   |
| 125 x 250 x 20 |            |            | 275        |      |                          |      |   |
| 125 x 315 x 20 |            |            | 165        |      |                          |      |   |
| 125 x 450 x 20 |            |            | 110        | 25   |                          | B    |   |
| 125 x 500 x 20 |            | 175        |            |      |                          |      |   |
| 160 x 50 x 20  |            | 40         |            | C    |                          |      |   |
| 160 x 80 x 20  |            | 75         |            |      |                          |      |   |
| 160 x 100 x 20 |            | 100        |            |      |                          |      |   |
| 160 x 125 x 20 |            | 135        |            | D    |                          |      |   |
| 160 x 160 x 20 |            | 175        |            |      |                          |      |   |
| 160 x 200 x 20 |            | 210        |            |      |                          |      |   |
| 160 x 250 x 20 |            | 275        |            |      |                          |      |   |
| 160 x 315 x 20 |            |            |            |      |                          |      |   |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

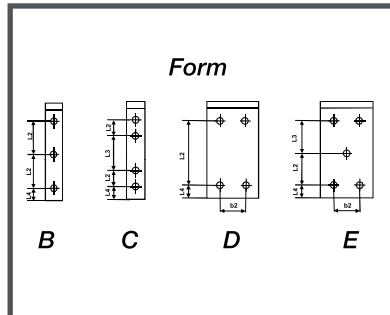
Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5122. Gleitplatte

Bronze mit Festschmierstoff, VDI 3357, s= 12 mm



Lochbild zu 5122.



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

### Bestellbeispiel:

5122.160.025

Gleitplatte VDI 3357

L1 = 160,0 mm

b1 = 25,0 mm

s = 12,0 mm

Zeichnung zu 5122.

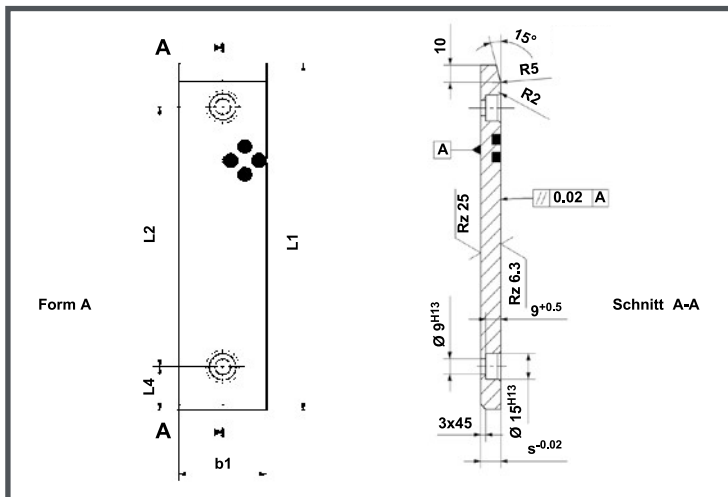


Tabelle zu 5122.

| L1 x b1 x s   | L2  | L3 | L4 | b2 | Form | Zyl.-Schraube<br>DIN 912 | Stk. |
|---------------|-----|----|----|----|------|--------------------------|------|
| 160 x 25 x 12 | 110 |    |    |    | A    | M8 x 25                  | 2    |
| 200 x 25 x 12 | 150 |    |    |    | B    |                          | 3    |
| 250 x 25 x 12 | 100 |    |    |    |      |                          |      |
| 80 x 30 x 12  | 30  |    |    |    | A    | M8 x 25                  | 2    |
| 100 x 30 x 12 | 50  |    |    |    |      |                          |      |
| 125 x 30 x 12 | 75  |    |    |    | B    | M8 x 25                  | 3    |
| 160 x 30 x 12 | 110 |    |    |    |      |                          |      |
| 200 x 30 x 12 | 150 |    |    |    |      |                          |      |
| 250 x 30 x 12 | 100 |    |    |    | A    | M8 x 25                  | 2    |
| 300 x 30 x 12 | 125 |    |    |    |      |                          |      |
| 80 x 40 x 12  | 30  |    |    |    |      |                          |      |
| 100 x 40 x 12 | 50  |    |    |    |      |                          |      |
| 125 x 40 x 12 | 75  |    |    |    |      |                          |      |
| 160 x 40 x 12 | 110 |    |    |    |      |                          |      |
| 200 x 40 x 12 | 150 |    |    |    |      |                          |      |
| 80 x 50 x 12  | 30  |    |    |    |      |                          |      |
| 100 x 50 x 12 | 50  |    |    |    |      |                          |      |
| 125 x 50 x 12 | 75  |    |    |    |      |                          |      |
| 160 x 50 x 12 | 110 |    |    |    |      |                          |      |
| 200 x 50 x 12 | 150 |    |    |    |      |                          |      |
| 250 x 50 x 12 | 60  |    |    |    |      |                          |      |
| 300 x 50 x 12 | 80  |    |    |    |      |                          |      |
| 350 x 50 x 12 | 100 |    |    |    |      |                          |      |
| 400 x 50 x 12 | 120 |    |    |    |      |                          |      |
| 80 x 60 x 12  | 30  |    |    |    |      |                          |      |
| 100 x 60 x 12 | 50  |    |    |    |      |                          |      |
| 125 x 60 x 12 | 75  |    |    |    |      |                          |      |

| L1 x b1 x s    | L2    | L3    | L4 | b2 | Form | Zyl.-Schraube<br>DIN 912 | Stk. |
|----------------|-------|-------|----|----|------|--------------------------|------|
| 160 x 60 x 12  | 110   | -     |    |    | A    | M8 x 25                  | 2    |
| 200 x 60 x 12  | 150   |       |    |    | B    |                          | 3    |
| 255 x 60 x 12  | 102,5 | 102,5 |    |    |      |                          |      |
| 300 x 60 x 12  | 125   | 125   |    |    |      |                          |      |
| 80 x 80 x 12   | 30    |       |    |    |      |                          |      |
| 100 x 80 x 12  | 50    |       |    |    |      |                          |      |
| 125 x 80 x 12  | 75    |       |    |    |      |                          |      |
| 160 x 80 x 12  | 110   |       |    |    |      |                          |      |
| 200 x 80 x 12  | 150   |       |    |    |      |                          |      |
| 250 x 80 x 12  | 70    | 60    |    |    |      |                          |      |
| 125 x 100 x 12 | 75    |       |    |    |      |                          |      |
| 160 x 100 x 12 | 110   |       |    |    |      |                          |      |
| 200 x 100 x 12 | 150   |       |    |    |      |                          |      |
| 250 x 100 x 12 | 200   |       |    |    |      |                          |      |
| 300 x 100 x 12 | 130   | 125   |    |    |      |                          |      |
| 145 x 125 x 12 | 95    |       |    |    |      |                          |      |
| 160 x 125 x 12 | 110   |       |    |    |      |                          |      |
| 145 x 150 x 12 | 95    |       |    |    |      |                          |      |
| 160 x 150 x 12 |       |       |    |    |      |                          |      |
| 160 x 160 x 12 | 110   |       |    |    |      |                          |      |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5130. Gleitplatte

Bronze mit Festschmierstoff, s= 10 mm



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

### Bestellbeispiel:

5130.028.075

Gleitplatte

b = 28,0 mm

L = 75,0 mm

s = 10,0 mm

Zeichnung zu 5130.

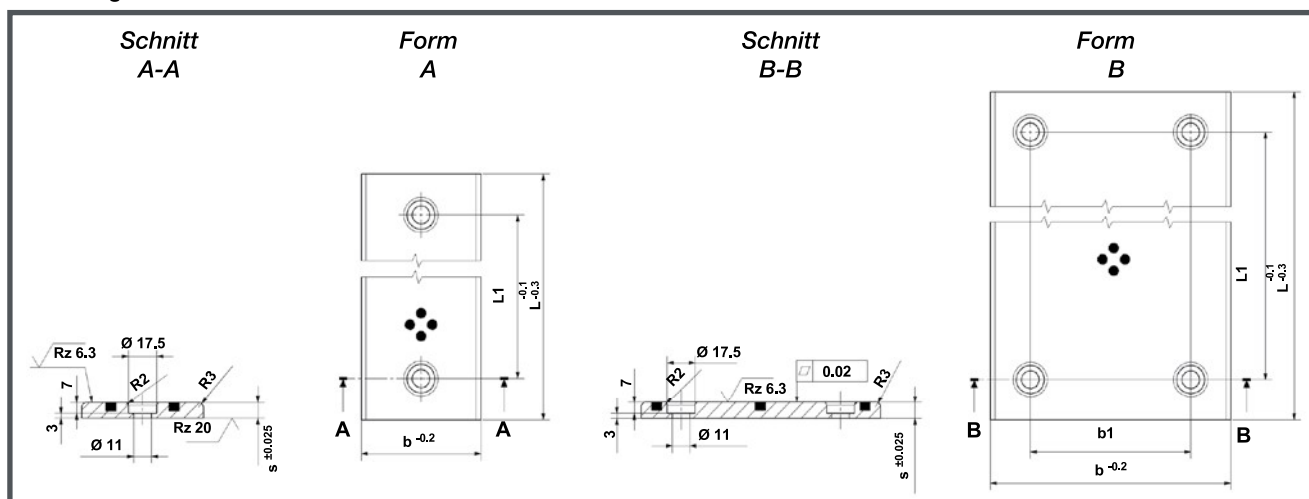


Tabelle zu 5130.

| b x L x s     | b1<br>±0,1 | L1<br>±0,1 | Form |
|---------------|------------|------------|------|
| 28 x 75 x 10  | -          | 45         | A    |
| 28 x 100 x 10 |            | 50         |      |
| 25 x 125 x 10 |            | 75         |      |
| 28 x 150 x 10 |            | 100        |      |
| 38 x 75 x 10  |            | 45         |      |
| 38 x 100 x 10 |            | 50         |      |
| 38 x 125 x 10 |            | 75         |      |
| 38 x 150 x 10 |            | 100        |      |
| 48 x 75 x 10  |            | 45         |      |
| 48 x 100 x 10 |            | 50         |      |
| 48 x 125 x 10 |            | 75         |      |
| 48 x 150 x 10 |            | 100        |      |
| 48 x 200 x 10 |            | 150        |      |
| 75 x 75 x 10  |            | 45         |      |
| 75 x 100 x 10 |            | 50         |      |

| b x L x s      | b1<br>±0,1 | L1<br>±0,1 | Form |
|----------------|------------|------------|------|
| 75 x 125 x 10  | -          | 75         | A    |
| 75 x 150 x 10  |            | 100        |      |
| 75 x 200 x 10  |            | 150        |      |
| 100 x 100 x 10 | 50         | 50         | B    |
| 100 x 125 x 10 |            | 75         |      |
| 100 x 150 x 10 |            | 100        |      |
| 100 x 200 x 10 |            | 150        |      |
| 100 x 250 x 10 |            | 200        |      |
| 125 x 150 x 10 |            | 100        |      |
| 125 x 200 x 10 |            | 150        |      |
| 125 x 250 x 10 |            | 200        |      |
| 150 x 150 x 10 | 100        | 100        | B    |
| 150 x 200 x 10 |            | 150        |      |
| 150 x 250 x 10 |            | 200        |      |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5131. Gleitplatte

Bronze mit Festschmierstoff, s= 10 mm



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

Zeichnung zu 5131.

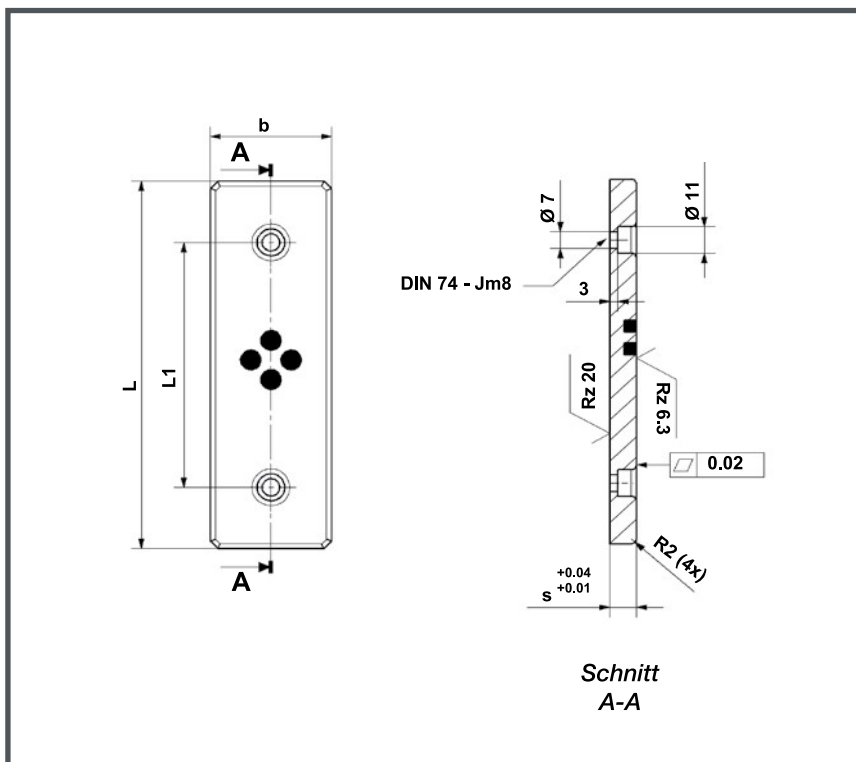


Tabelle zu 5131.

| b x L x s     | L1<br>±0,2 |
|---------------|------------|
| 18 x 75 x 10  | 45         |
| 18 x 100 x 10 | 50         |
| 18 x 125 x 10 | 75         |
| 18 x 150 x 10 | 100        |
| 28 x 75 x 10  | 45         |
| 28 x 100 x 10 | 50         |
| 28 x 125 x 10 | 75         |
| 28 x 150 x 10 | 100        |
| 38 x 75 x 10  | 45         |
| 38 x 100 x 10 | 50         |
| 38 x 125 x 10 | 75         |
| 38 x 150 x 10 | 100        |
| 48 x 75 x 10  | 45         |
| 48 x 100 x 10 | 50         |
| 48 x 125 x 10 | 75         |
| 48 x 150 x 10 | 100        |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

### Bestellbeispiel:

5131.018.100

Gleitplatte

b = 18,0 mm

L = 100,0 mm



## 5133. Gleitplatte

Bronze mit Festschmierstoff, s= 10 mm



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

Zeichnung zu 5133.

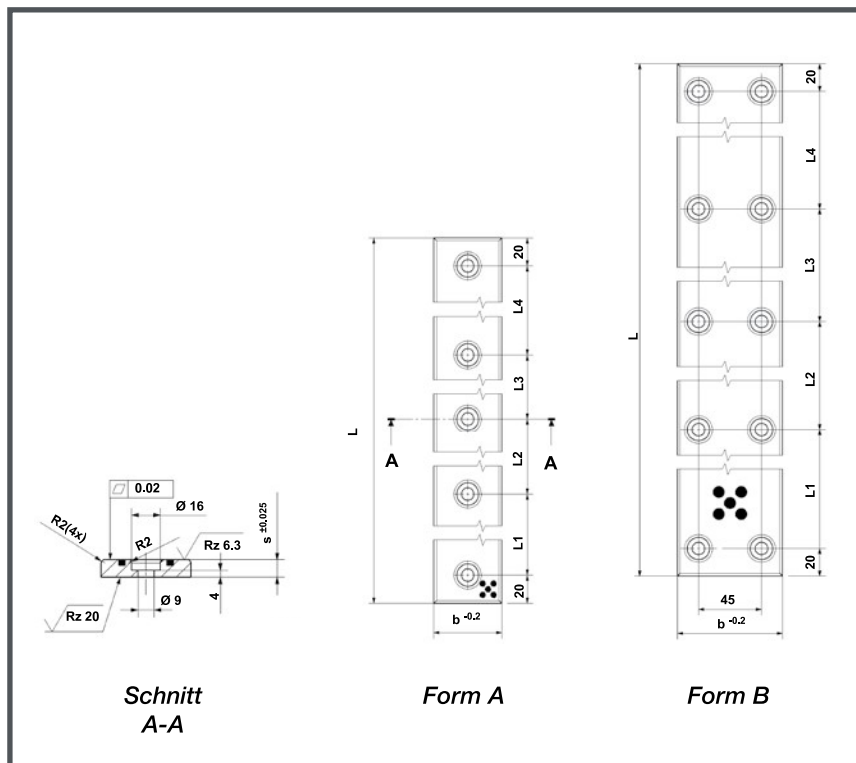


Tabelle zu 5133.

| b x L x s     | L1<br>±0,2 | L2<br>±0,2 | L3<br>±0,2 | L4<br>±0,2 | Form | Anzahl der<br>Schrauben |
|---------------|------------|------------|------------|------------|------|-------------------------|
| 35 x 100 x 10 | 60         | -          | -          | -          | A    | 2                       |
| 35 x 150 x 10 | 55         | 55         | -          | -          |      | 3                       |
| 35 x 200 x 10 | 55         | 50         | 55         | -          |      | 4                       |
| 35 x 250 x 10 | 70         | 70         | 70         | -          |      | 5                       |
| 35 x 300 x 10 | 65         | 65         | 65         | 65         |      | 5                       |
| 35 x 350 x 10 | 80         | 75         | 75         | 80         |      | 5                       |
| 50 x 100 x 10 | 60         | -          | -          | -          |      | 2                       |
| 50 x 100 x 10 | 55         | 55         | -          | -          |      | 3                       |
| 50 x 200 x 10 | 55         | 50         | 55         | -          |      | 4                       |
| 50 x 250 x 10 | 70         | 70         | 70         | -          |      | 5                       |
| 50 x 300 x 10 | 65         | 65         | 65         | 65         | B    | 5                       |
| 50 x 350 x 10 | 80         | 75         | 75         | 80         |      | 5                       |
| 75 x 150 x 10 | 110        | -          | -          | -          |      | 4                       |
| 75 x 200 x 10 | 80         | 80         | -          | -          |      | 6                       |
| 75 x 250 x 10 | 105        | 105        | -          | -          |      | 6                       |
| 75 x 300 x 10 | 85         | 90         | 85         | -          |      | 8                       |
| 75 x 400 x 10 | 120        | 120        | 120        | -          |      | 8                       |
| 75 x 500 x 10 | 115        | 115        | 115        | 115        |      | 10                      |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

### Bestellbeispiel:

5133.050.200

Gleitplatte

b = 50,0 mm

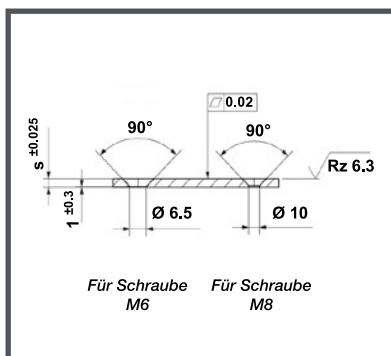
L = 200,0 mm

## 5132. Gleitplatte

Bronze mit Festschmierstoff,  $s = 5 \text{ mm}$



Schnitt A-A



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

### Bestellbeispiel:

5132.018.050

Gleitplatte

$b = 18,0 \text{ mm}$

$L = 50,0 \text{ mm}$

$s = 5,0 \text{ mm}$

Zeichnung zu 5132.

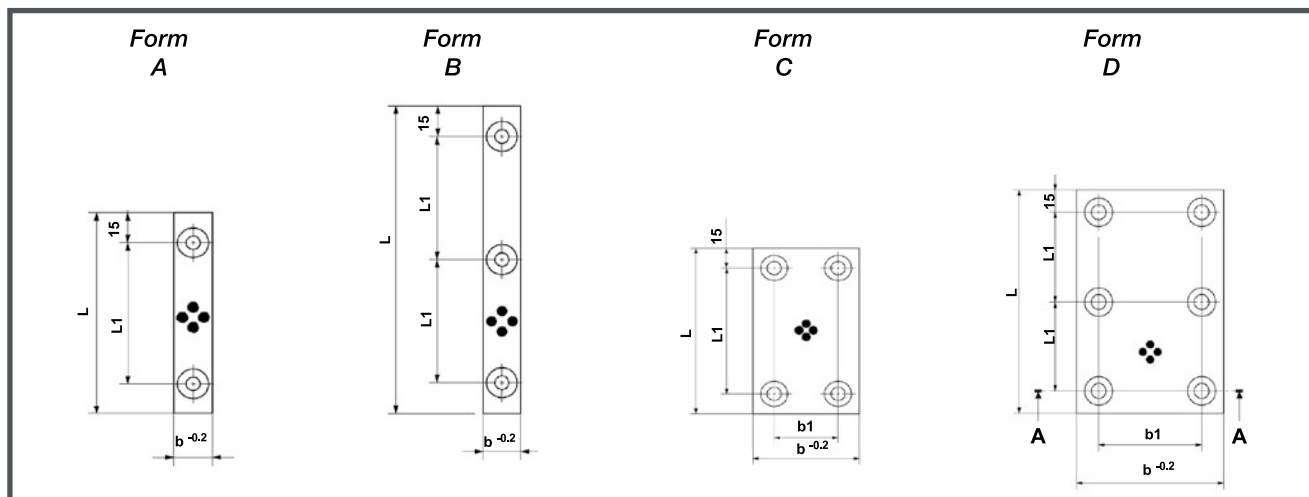


Tabelle zu 5132.

| $b \times L \times s$ | $b1 \pm 0,1$ | $L1 \pm 0,1$ | Form | Schrauben |
|-----------------------|--------------|--------------|------|-----------|
| 18 x 50 x 5           | -            | 20           | A    | M6        |
| 18 x 75 x 5           |              | 45           |      |           |
| 18 x 100 x 5          |              | 70           |      |           |
| 18 x 150 x 5          |              | 60           |      |           |
| 28 x 50 x 5           | -            | 20           | A    | M8        |
| 28 x 75 x 5           |              | 45           |      |           |
| 28 x 100 x 5          |              | 70           |      |           |
| 28 x 150 x 5          |              | 60           |      |           |
| 38 x 50 x 5           | -            | 20           | A    | M8        |
| 38 x 75 x 5           |              | 45           |      |           |
| 38 x 100 x 5          |              | 70           |      |           |
| 38 x 150 x 5          |              | 60           |      |           |

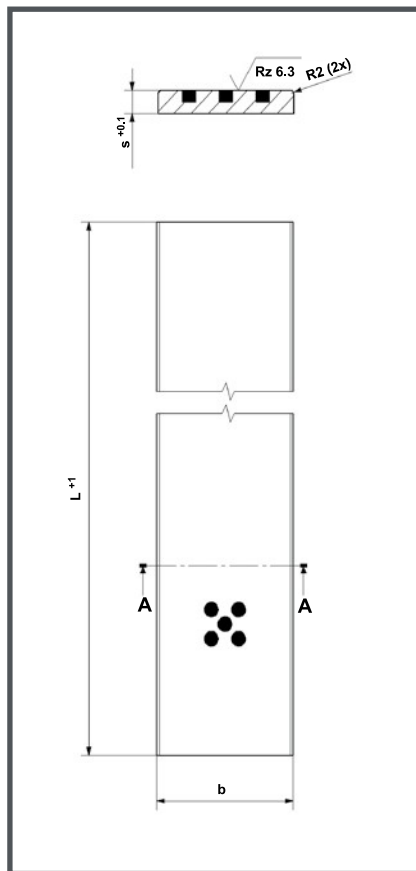
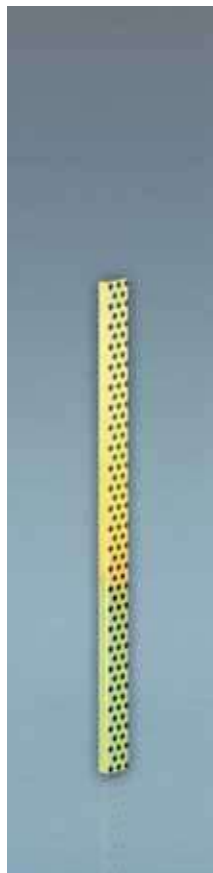
| $b \times L \times s$ | $b1 \pm 0,1$ | $L1 \pm 0,1$ | Form | Schrauben |
|-----------------------|--------------|--------------|------|-----------|
| 48 x 75 x 5           | -            | 45           | A    | M8        |
| 48 x 100 x 5          |              | 70           |      |           |
| 48 x 125 x 5          |              | 95           |      |           |
| 48 x 150 x 5          |              | 60           |      |           |
| 75 x 75 x 5           | 45           | 45           | C    | M8        |
| 75 x 100 x 5          |              | 70           |      |           |
| 75 x 125 x 5          |              | 95           |      |           |
| 75 x 150 x 5          |              | 60           |      |           |
| 100 x 100 x 5         | 70           | 70           | C    | M8        |
| 100 x 125 x 5         |              | 95           |      |           |
| 100 x 150 x 5         |              | 60           |      |           |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5140. Flachleiste

Bronze mit Festschmierstoff, ohne Bohrung

Schnitt A-A



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm  
**Härte:** HB10: 190 - 220  
**Ausführung:** Gleitflächen geschliffen

### Bestellbeispiel:

5140.020.04.0305  
 Flachleiste  
 b = 20,0 mm  
 s = 4,0 mm  
 L = 305,0 mm

Tabelle zu 5140.

| b x s   | L    |
|---------|------|
| 20 x 4  | 305  |
| 20 x 10 | 605  |
|         | 1005 |
| 20 x 12 | 1005 |
| 25 x 5  | 305  |
|         | 500  |
|         | 605  |
|         | 1005 |
| 30 x 6  | 500  |
|         | 605  |
|         | 1005 |
| 30 x 8  | 500  |
|         | 605  |
|         | 1005 |
| 30 x 10 | 1005 |
| 30 x 12 | 605  |
| 35 x 10 | 500  |
|         | 605  |
|         | 1005 |
| 40 x 8  | 500  |
|         | 605  |
|         | 1005 |
| 40 x 10 | 500  |
|         | 605  |

| b x s   | L    |
|---------|------|
| 40 x 10 | 1005 |
| 40 x 12 | 500  |
|         | 605  |
| 40 x 16 | 1005 |
|         | 500  |
|         | 605  |
|         | 1005 |
| 50 x 8  | 1005 |
| 50 x 10 | 500  |
|         | 605  |
|         | 1005 |
| 50 x 12 | 500  |
|         | 605  |
|         | 1005 |
| 50 x 20 | 605  |
|         | 1005 |
| 60 x 8  | 605  |
|         | 1005 |
| 60 x 10 | 605  |
|         | 1005 |
| 60 x 12 | 605  |
|         | 1005 |
| 60 x 16 | 500  |
|         | 605  |

| b x s    | L    |
|----------|------|
| 16 x 16  | 1005 |
| 60 x 20  | 500  |
|          | 1005 |
| 75 x 12  | 605  |
|          | 1005 |
| 80 x 12  | 500  |
|          | 605  |
|          | 1005 |
| 80 x 16  | 500  |
|          | 605  |
|          | 1005 |
| 80 x 20  | 500  |
|          | 605  |
|          | 1005 |
| 100 x 10 | 500  |
|          | 1005 |
| 100 x 12 | 1005 |
| 100 x 16 | 605  |
| 100 x 20 | 500  |
|          | 1005 |
| 125 x 20 | 605  |
|          | 1005 |
| 160 x 20 | 1005 |

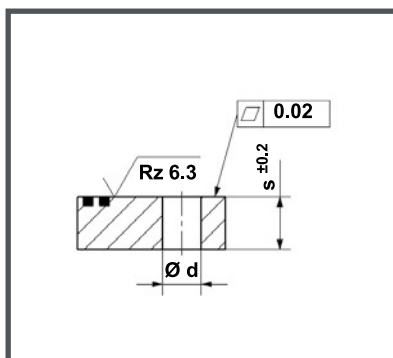
Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5145. Deckleiste

Bronze mit Festschmierstoff, VDI 3357



Schnitt A-A



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

### Bestellbeispiel:

5145.0160.085.30

Deckleiste VDI 3357

L = 160,0 mm

b = 85,0 mm

s = 30,0 mm

Zeichnung zu 5145.

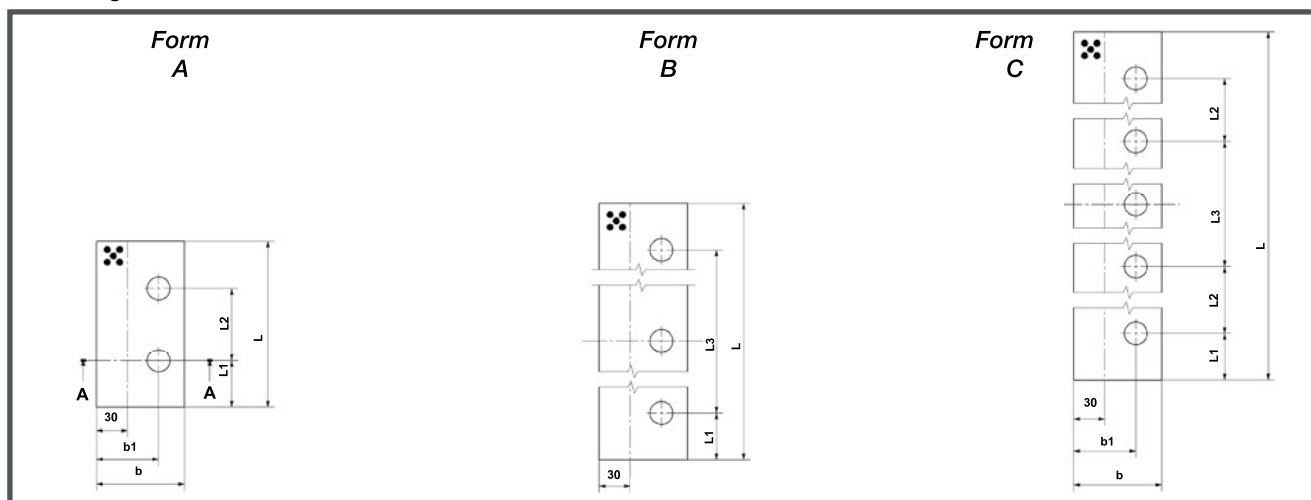


Tabelle zu 5145.

| L x b      | b1 | s  | L1 | L2<br>±0,2 | L3<br>±0,2 | Ød | Form | Zylinderschraube - Anzahl |
|------------|----|----|----|------------|------------|----|------|---------------------------|
| 160 x 85   | 60 | 30 | 45 | 70         | -          | 22 | A    | 2 x M 20                  |
| 200 x 85   |    |    |    | 110        |            |    |      |                           |
| 250 x 85   |    |    |    | -          | 160        |    | B    | 3 x M 20                  |
| 300 x 85   |    |    |    |            | 210        |    |      |                           |
| 350 x 85   |    |    |    |            | 260        |    |      |                           |
| 400 x 85   | -  | -  | -  | 80         | 150        | -  | C    | 5 x M 20                  |
| 1005 x 85  |    |    |    | -          | -          |    |      | ungebohrt                 |
| 160 x 125  |    |    |    | 70         | -          | 18 | A    | 2 x M 16                  |
| 200 x 125  | 75 | 25 | 45 | 110        |            |    |      |                           |
| 250 x 125  |    |    |    | -          | 160        |    | B    | 3 x M 16                  |
| 400 x 125  |    |    |    | 80         | 150        |    |      |                           |
| 1005 x 125 |    |    |    | -          | -          |    | C    | ungebohrt                 |
| 160 x 125  | 75 | 30 | 45 | 70         | -          | 22 | A    | 2 x M 20                  |
| 200 x 125  |    |    |    | 110        |            |    |      |                           |
| 250 x 125  |    |    |    | -          | 160        |    | B    | 3 x M 20                  |
| 300 x 125  |    |    |    |            | 210        |    |      |                           |
| 350 x 125  |    |    |    |            | 260        |    |      |                           |
| 400 x 125  |    |    | 50 | 80         | 150        |    | C    | 5 x M 20                  |
| 450 x 125  |    |    |    |            | 190        |    |      |                           |
| 500 x 125  |    |    |    |            | 240        |    |      |                           |
| 1005 x 125 |    |    | -  | -          | -          |    | C    | ungebohrt                 |
|            |    |    | -  | -          | -          |    |      |                           |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5146. Deckleiste, Stahl

VDI 3357



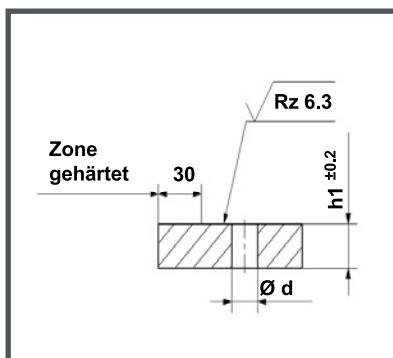
### Produkteigenschaften

**Material:** Stahl, oberflächengehärtet

**Hinweis:** Lieferung ohne Schrauben



Schnitt A-A



### Bestellbeispiel:

5146.160.100.25

Deckleiste VDI 3357

L1 = 160,0 mm

b1 = 100,0 mm

s = 25,0 mm

Zeichnung zu 5146.

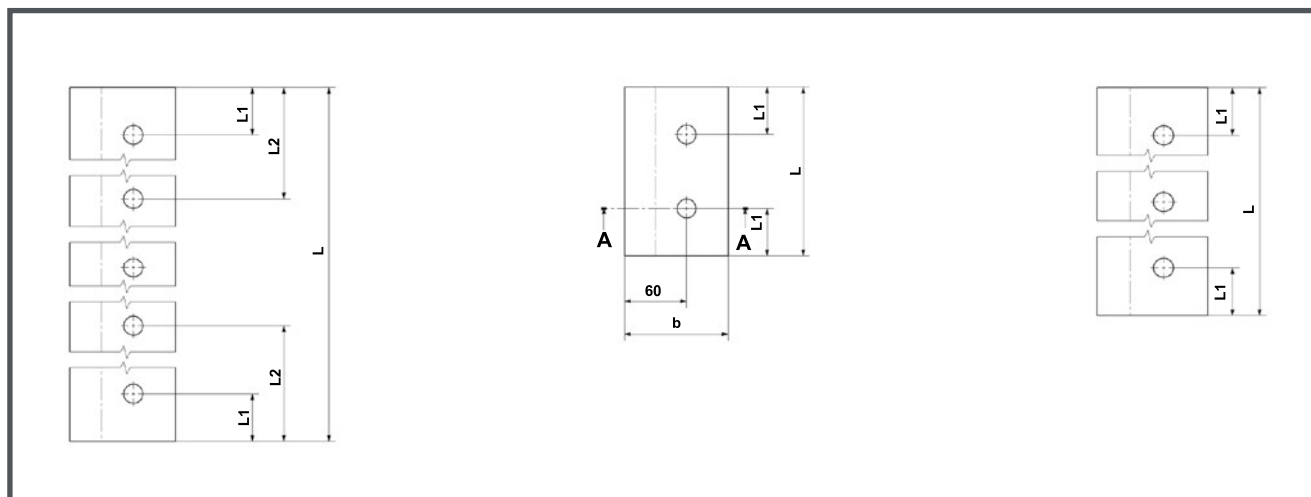


Tabelle zu 5146.

| L1 x b1   | h1 | L2 | L3  | Ød<br>H13 | Zylinderschraube - Anzahl |
|-----------|----|----|-----|-----------|---------------------------|
| 160 x 100 | 25 | 45 | -   | 17,5      | 2 x M 16                  |
| 200 x 100 |    |    |     |           | 3 x M 16                  |
| 250 x 100 |    |    |     |           |                           |
| 400 x 100 |    |    | 125 |           | 5 x M 16                  |
| 160 x 100 | 30 | 45 | -   | 22        | 2 x M 20                  |
| 200 x 100 |    |    |     |           | 3 x M 20                  |
| 250 x 100 |    |    |     |           |                           |
| 400 x 100 |    |    | 125 |           | 5 x M 20                  |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5150. Führungslasche

Bronze mit Festschmierstoff, VDI 3387



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben



#### Bestellbeispiel:

5150.063.180.25

Führungslasche

a = 63,0 mm

L1 = 180,0 mm

b = 25,0 mm

#### Bestellbeispiel:

5150.140.315.45

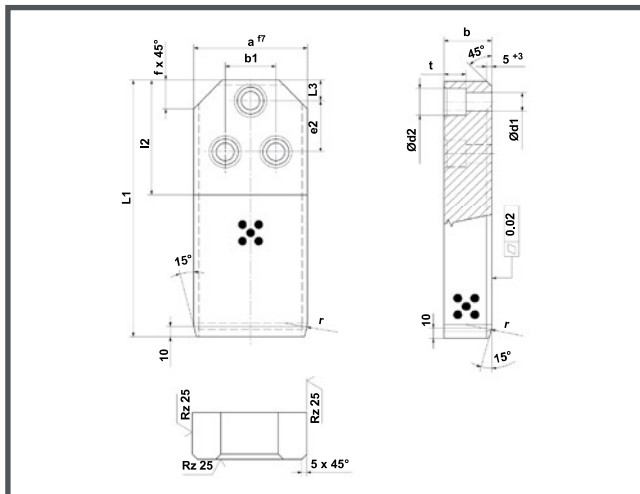
Führungslasche

a = 140,0 mm

L1 = 315,0 mm

b = 45,0 mm

Zeichnung zu 5150. (3 Schrauben)



Zeichnung zu 5150. (4 Schrauben ab 140 x 315 mm)

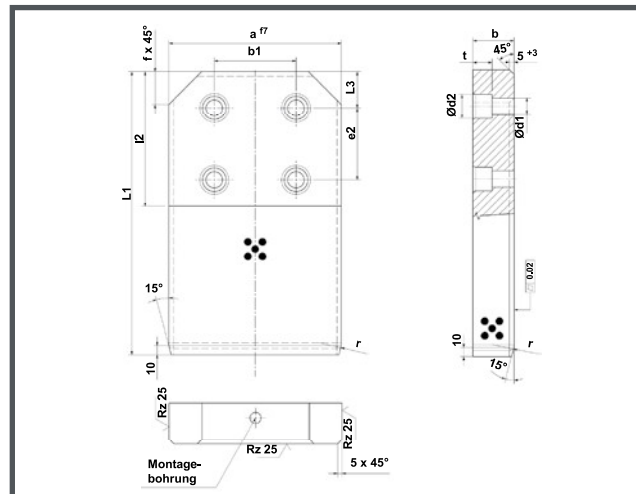


Tabelle zu 5150. (3 Schrauben)

| a   | L1  | b  | e1 | L3  | e2<br>±0,2 | f  | r   | t     | l2    | Ø<br>d1/d2 |  |  |  |  |  |  |  |  |
|-----|-----|----|----|-----|------------|----|-----|-------|-------|------------|--|--|--|--|--|--|--|--|
| 63  | 180 | 25 | 36 | 20  | 50         | 18 | 16  | 16    | 90    | 14/20      |  |  |  |  |  |  |  |  |
|     | 200 |    |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
|     | 224 |    |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
|     | 180 | 36 |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
|     | 200 |    |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
| 224 | 36  | 18 |    |     |            | 16 | 16  | 90    | 14/20 |            |  |  |  |  |  |  |  |  |
| 71  |     |    |    |     |            |    |     |       |       | 180        |  |  |  |  |  |  |  |  |
|     |     |    |    |     |            |    |     |       |       | 200        |  |  |  |  |  |  |  |  |
|     | 224 |    |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
|     | 180 |    |    |     |            |    |     |       |       | 36         |  |  |  |  |  |  |  |  |
|     | 200 |    |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
| 224 | 36  | 28 | 25 |     |            | 21 | 100 | 18/26 |       |            |  |  |  |  |  |  |  |  |
| 90  |     |    |    |     |            |    |     |       | 200   |            |  |  |  |  |  |  |  |  |
|     |     |    |    |     |            |    |     |       | 224   |            |  |  |  |  |  |  |  |  |
|     | 250 |    |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
|     | 200 |    |    |     |            |    |     |       | 45    |            |  |  |  |  |  |  |  |  |
|     | 224 |    |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
| 250 | 36  | 28 | 25 |     |            | 21 | 100 | 18/26 |       |            |  |  |  |  |  |  |  |  |
| 112 |     |    |    |     |            |    |     |       | 200   |            |  |  |  |  |  |  |  |  |
|     |     |    |    |     |            |    |     |       | 224   |            |  |  |  |  |  |  |  |  |
|     |     |    |    | 250 |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
|     |     |    |    | 200 | 45         |    |     |       |       |            |  |  |  |  |  |  |  |  |
|     | 224 |    |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |
| 250 |     |    |    |     |            |    |     |       |       |            |  |  |  |  |  |  |  |  |

Tabelle zu 5150. (4 Schrauben ab 140 x 315 mm)

| a   | L1  | b  | e1  | L3 | e2<br>±0,2 | f  | r    | t    | l2  | ø<br>d1/d2 | Montage-<br>bohrung |    |     |    |      |      |      |       |          |          |
|-----|-----|----|-----|----|------------|----|------|------|-----|------------|---------------------|----|-----|----|------|------|------|-------|----------|----------|
| 140 | 315 | 45 | 90  | 40 | 80         | 36 | 31,5 | 25,5 | 150 | 22/33      | -                   |    |     |    |      |      |      |       |          |          |
|     | 355 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 400 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 315 | 56 |     |    |            |    |      |      |     |            | M16 x 37            |    |     |    |      |      |      |       |          |          |
|     | 400 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
| 190 | 315 | 45 |     |    |            |    |      |      |     |            |                     | 90 | 40  | 80 | 36   | 31,5 | 25,5 | 150   | 22/33    | M16 x 37 |
|     | 400 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 315 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 400 | 71 |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 315 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
| 240 | 500 | 56 | 160 | 40 | 160        | 36 | 31,5 | 30,5 | 250 | 26/40      | M16 x 37            |    |     |    |      |      |      |       |          |          |
|     | 630 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 500 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 630 | 90 |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 500 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
| 290 | 500 | 56 |     |    |            |    |      |      |     |            | 160                 | 40 | 160 | 36 | 31,5 | 30,5 | 250  | 26/40 | M16 x 37 |          |
|     | 630 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 500 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
|     | 630 | 71 |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          | M20 x 41 |
|     | 500 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |
| 630 | 90  |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |      |       |          |          |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5152. Führungslasche

Stahl mit Festschmierstoff, VDI 3387



### Produkteigenschaften

**Material:** Stahl, oberflächengehärtet  
Gleitflächen mit eingelagertem Festschmierstoff (20 - 25 %)

**Hinweis:** Lieferung ohne Schrauben



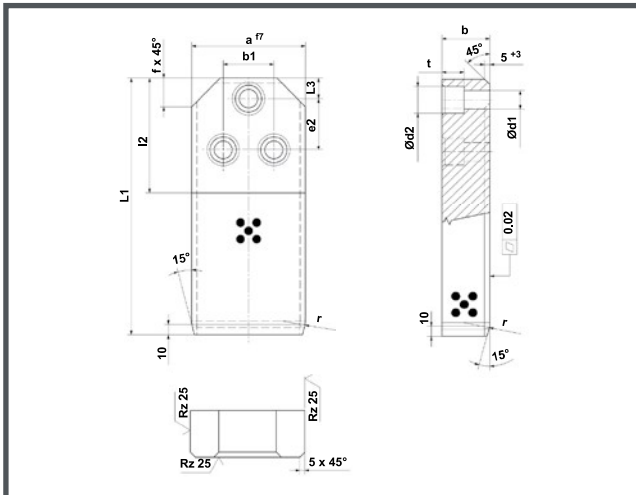
#### Bestellbeispiel:

5152.063.180.25  
Führungslasche  
a = 63,0 mm  
L1 = 180,0 mm  
b = 25,0 mm

#### Bestellbeispiel:

5152.140.315.45  
Führungslasche  
a = 140,0 mm  
L1 = 315,0 mm  
b = 45,0 mm

Zeichnung zu 5152. (3 Schrauben)



Zeichnung zu 5152. (4 Schrauben ab 140 x 315 mm)

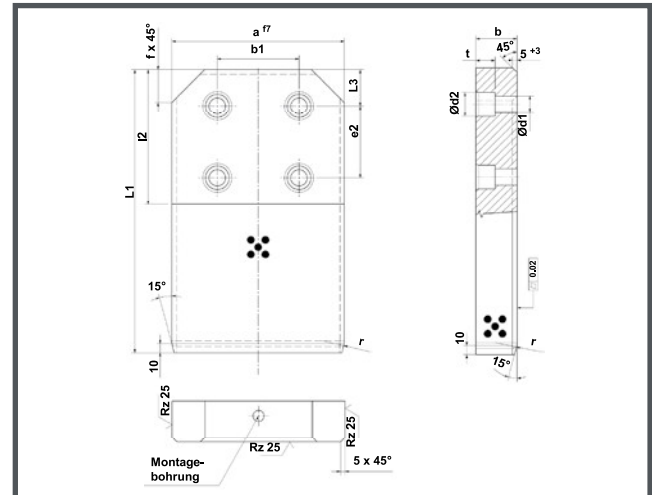


Tabelle zu 5152. (3 Schrauben)

| a   | L1  | b  | e1 | L3 | e2<br>±0,2 | f  | r  | t  | l2 | Ø<br>d1/d2 |       |  |  |  |  |  |  |  |  |
|-----|-----|----|----|----|------------|----|----|----|----|------------|-------|--|--|--|--|--|--|--|--|
| 63  | 180 | 25 | 36 | 20 | 50         | 18 | 16 | 16 | 90 | 14/20      |       |  |  |  |  |  |  |  |  |
|     | 200 |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
|     | 224 |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
|     | 180 | 36 |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
|     | 200 |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
| 224 | 71  | 25 |    |    |            | 36 | 18 | 16 | 16 | 90         | 14/20 |  |  |  |  |  |  |  |  |
| 180 |     |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
| 200 |     |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
| 224 |     | 36 |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
| 200 |     |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
| 90  | 200 | 36 | 50 |    |            |    | 28 | 25 | 21 | 100        | 18/26 |  |  |  |  |  |  |  |  |
|     | 224 |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
|     | 250 |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
|     | 200 | 45 |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
|     | 224 |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
| 112 | 250 | 36 |    |    |            | 50 | 28 | 25 | 21 | 100        | 18/26 |  |  |  |  |  |  |  |  |
|     | 200 |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
|     | 224 |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
|     | 250 | 45 |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |
|     | 224 |    |    |    |            |    |    |    |    |            |       |  |  |  |  |  |  |  |  |

Tabelle zu 5152. (4 Schrauben ab 140 x 315 mm)

| a   | L1  | b  | e1  | L3 | e2<br>±0,2 | f  | r    | t    | l2  | Ø<br>d1/d2 | Montage-<br>bohrung |    |     |    |      |      |     |       |          |
|-----|-----|----|-----|----|------------|----|------|------|-----|------------|---------------------|----|-----|----|------|------|-----|-------|----------|
| 140 | 315 | 45 | 90  | 40 | 80         | 36 | 31,5 | 25,5 | 150 | 22/33      | -                   |    |     |    |      |      |     |       |          |
|     | 355 |    |     |    |            |    |      |      |     |            | M16 x 37            |    |     |    |      |      |     |       |          |
|     | 400 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 315 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 400 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
| 190 | 315 | 45 |     |    |            |    |      |      |     |            | 90                  | 40 | 80  | 36 | 31,5 | 25,5 | 150 | 22/33 | M16 x 37 |
|     | 400 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 315 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 400 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 315 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
| 240 | 500 | 56 | 160 | 40 | 160        | 36 | 31,5 | 30,5 | 250 | 26/40      |                     |    |     |    |      |      |     |       | M16 x 37 |
|     | 630 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 500 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 630 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 500 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
| 290 | 500 | 56 |     |    |            |    |      |      |     |            | 160                 | 40 | 160 | 36 | 31,5 | 30,5 | 250 | 26/40 | M16 x 37 |
|     | 630 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 500 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 630 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
|     | 500 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |
| 290 | 630 | 90 | 160 | 40 | 160        | 36 | 31,5 | 30,5 | 250 | 26/40      |                     |    |     |    |      |      |     |       | M20 x 41 |
|     | 630 |    |     |    |            |    |      |      |     |            |                     |    |     |    |      |      |     |       |          |

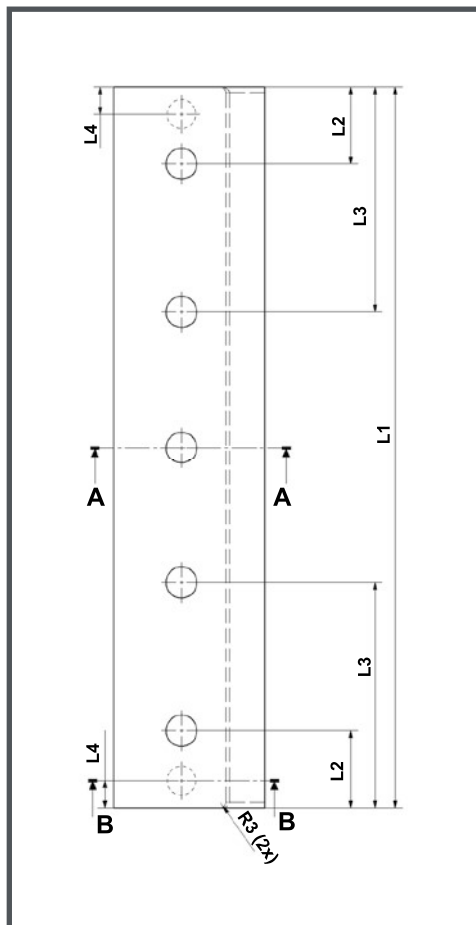
Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5155. Winkelleiste

Bronze mit Festschmierstoff, VDI 3357



Zeichnung zu 5155.



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

### Bestellbeispiel:

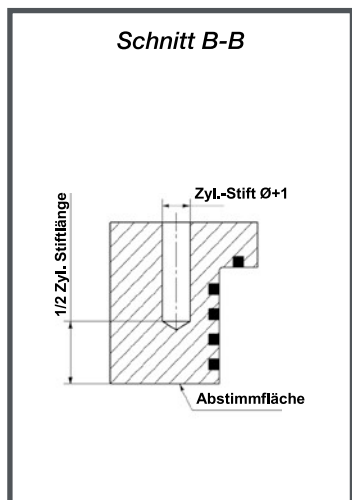
5155.045.100

Winkelleiste VDI 3357

b1 = 45,0 mm

L1 = 100,0 mm

### Zylinderstift



### Zylinderschraube

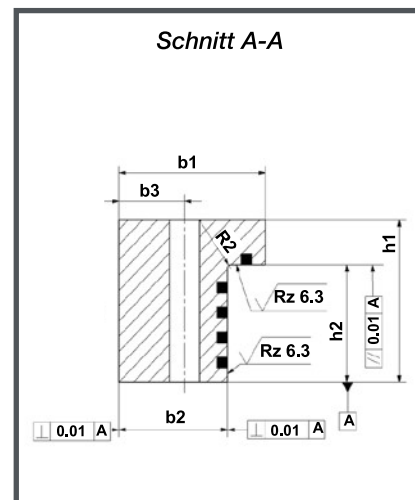


Tabelle zu 5155.

| b1  | L1<br>-0,2 | b2<br>-0,2 | h1    | b3<br>±0,2 | h2<br>±0,025 | L2<br>±0,2 | L3<br>±0,2 | L4   | Zyl-Schraube<br>DIN 912 Stk. |   | Zyl-Stift<br>DIN 7979 Stk. |   |
|-----|------------|------------|-------|------------|--------------|------------|------------|------|------------------------------|---|----------------------------|---|
| 45  | 100        | 30         | 50,5  | 15         | 34,5         | 27,5       |            | 10   | M12                          | 2 | 10 x 60                    | 2 |
|     | 125        |            |       |            |              |            |            | -    |                              |   |                            |   |
|     | 160        |            |       |            |              |            |            | 10   |                              |   |                            |   |
| 55  | 100        | 37         | 55,5  | 20         | 39,5         | 27,5       | -          | 10   | M12                          | 2 | 10 x 60                    | 2 |
|     | 160        |            |       |            |              |            |            |      |                              |   |                            |   |
| 70  | 160        | 50         | 75,5  | 30         | 55,5         | 35         |            | 12,5 | M16                          | 2 | 12 x 70                    | 2 |
|     | 200        |            |       |            |              |            |            |      |                              | 3 |                            |   |
|     | 250        |            |       |            |              |            |            |      |                              | 5 |                            |   |
|     | 400        |            |       |            |              |            |            | 125  |                              |   |                            |   |
| 85  | 160        | 63         | 90,5  | 38         | 65,5         | 42,5       | -          | 15   | M20                          | 2 | 16 x 70                    | 2 |
|     | 200        |            |       |            |              |            |            |      |                              | 3 |                            |   |
|     | 250        |            |       |            |              |            |            |      |                              | 5 |                            |   |
|     | 400        |            |       |            |              |            |            | 125  |                              |   |                            |   |
| 100 | 160        | 75         | 100,5 | 45         | 75,5         | 45         | -          | 15   | M24                          | 2 | 16 x 70                    | 2 |
|     | 200        |            |       |            |              |            |            |      |                              | 3 |                            |   |
|     | 250        |            |       |            |              |            |            |      |                              |   |                            |   |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

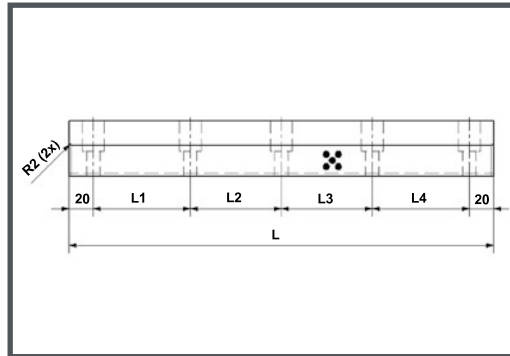


## 5156. Winkelleiste

Bronze mit Festschmierstoff



Zeichnung zu 5156.



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

### Bestellbeispiel:

5156.032.100

Winkelleiste

Form D = 32,0 mm

L = 100,0 mm

Zeichnung zu 5156.

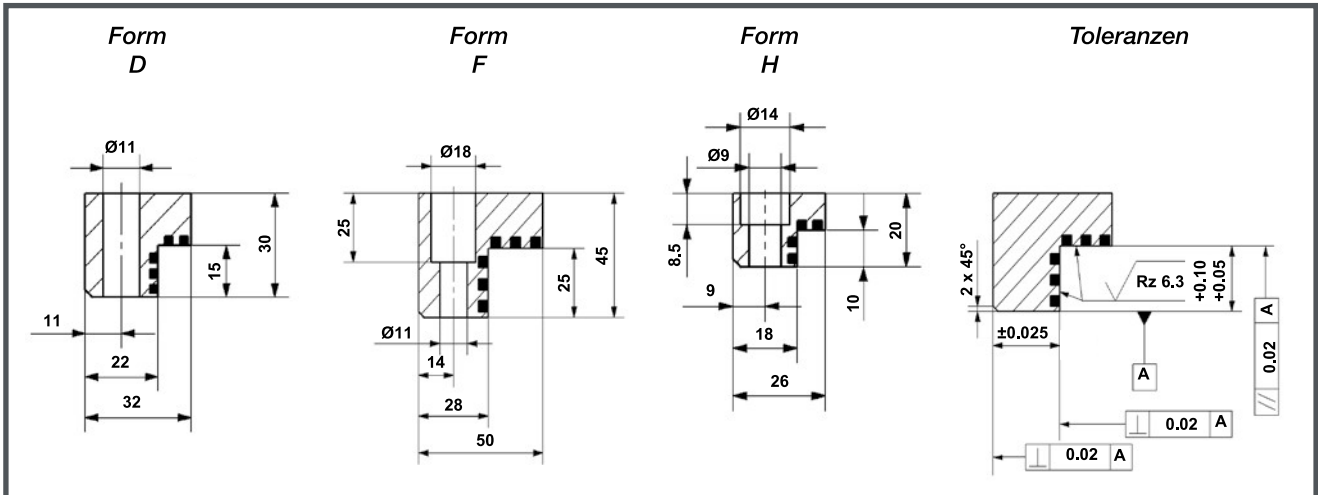


Tabelle zu 5156.

| L   | L1 | L2 | L3 | L4 | Form | Zyl-Schraube<br>DIN 912 Stk. |    |
|-----|----|----|----|----|------|------------------------------|----|
| 100 | 60 | -  | -  | -  | H    | M8                           | 2  |
| 150 | 55 | 55 |    |    |      |                              | 3  |
| 200 | 55 | 50 |    |    |      |                              | 4  |
| 100 | 60 | -  | -  |    | D    | M10                          | 2  |
| 150 | 55 | 55 |    |    |      |                              | 3  |
| 200 | 55 | 50 |    |    |      |                              | 55 |
| 250 | 70 | 70 | 70 |    |      |                              |    |
| 200 | 55 | 50 | 55 |    |      |                              |    |
| 250 | 70 | 70 | 70 |    |      |                              |    |
| 300 | 65 | 65 | 65 | F  | 5    |                              |    |
| 350 | 80 | 75 | 75 |    |      |                              | 80 |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel / Es ist jeder Zuschnitt bis 1005 mm lieferbar.

## 5157. Winkelleiste ohne Befestigungsbohrung

Bronze mit Festschmierstoff

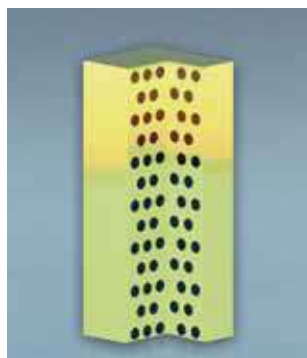


### Produkteigenschaften

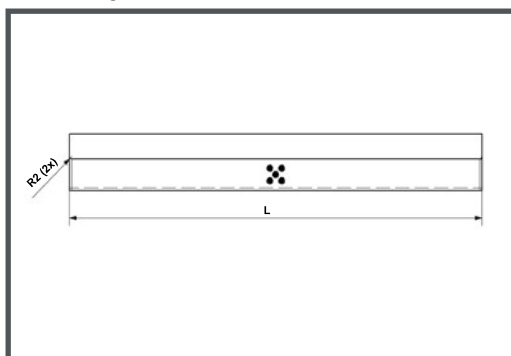
**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben



Zeichnung zu 5157.



### Bestellbeispiel:

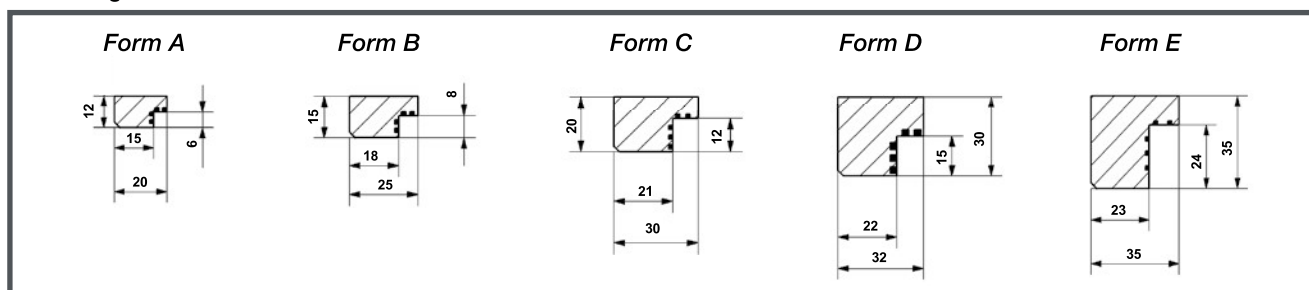
5157.020.012.0500

Winkelleiste

Form A = 20 x 12 mm

L = 500 mm

Zeichnung zu 5157.



Zeichnung zu 5157.

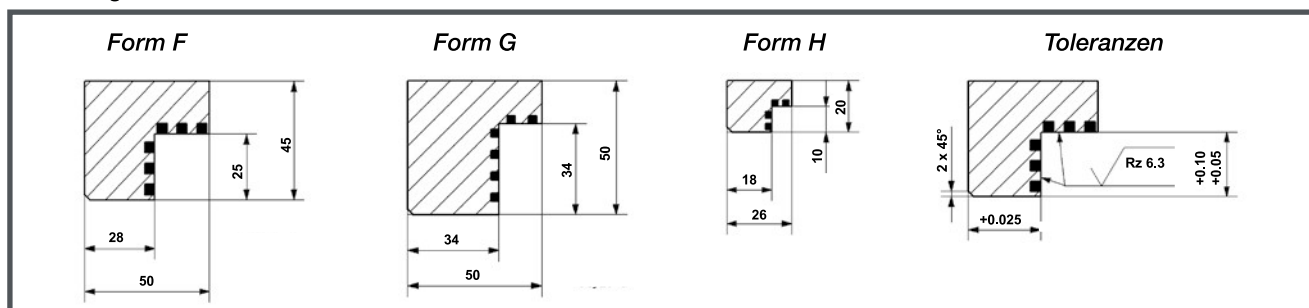


Tabelle zu 5157.

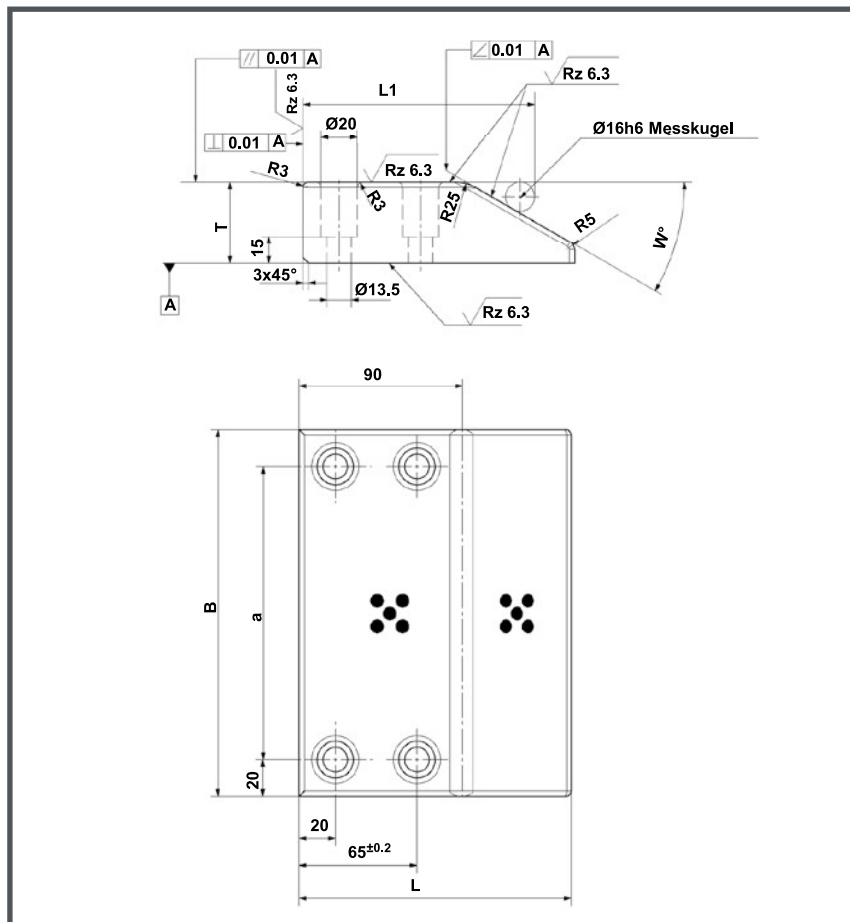
| Form        | Länge | Form | Länge | Form | Länge |
|-------------|-------|------|-------|------|-------|
| A (20 x 12) | 500   | A    | 605   | B    | 1005  |
| B (25 x 15) |       | B    |       | C    |       |
| C (30 x 20) |       | C    |       | D    |       |
| D (32 x 30) |       | D    |       | E    |       |
| E (35 x 35) |       | E    |       | F    |       |
| F (50 x 45) |       | F    |       | G    |       |
| G (50 x 50) |       | G    |       | H    |       |
| H (26 x 20) |       | H    |       |      |       |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel / Es ist jeder Zuschnitt bis 1005 mm lieferbar.

## 5160. Überlaufkeile

Bronze mit Festschmierstoff, VDI 3357

Zeichnung zu 5160.



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

### Bestellbeispiel:

5160.100.170.45

Überlaufkeile VDI 3357

B = 100,0 mm

L = 170,0 mm

T = 45,0 mm

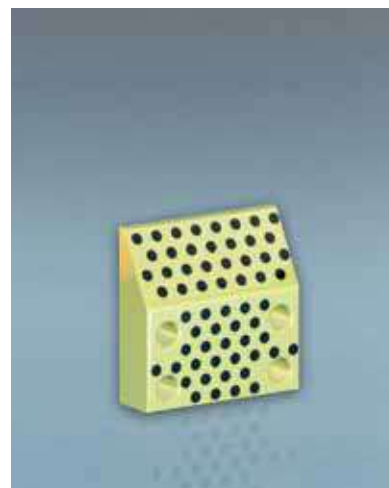


Tabelle zu 5160.

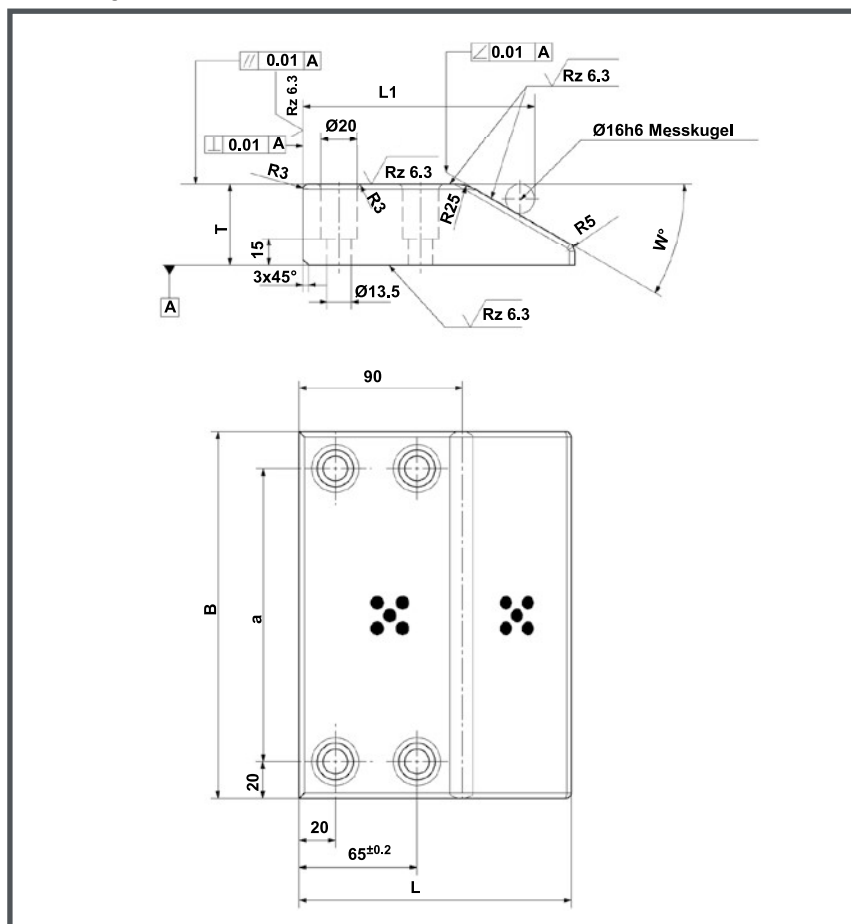
| B x L x T      | a   | L1<br>+0,05 | W°  |
|----------------|-----|-------------|-----|
| 100 x 170 x 45 | 60  | 143,37      | 20° |
| 125 x 170 x 45 | 85  |             |     |
| 150 x 170 x 45 | 110 |             |     |
| 200 x 170 x 45 | 160 |             |     |
| 100 x 150 x 45 | 60  | 127,86      | 30° |
| 100 x 170 x 60 |     |             |     |
| 125 x 150 x 45 | 85  |             |     |
| 125 x 170 x 60 |     |             |     |
| 150 x 150 x 45 | 110 |             |     |
| 150 x 170 x 60 |     |             |     |
| 200 x 150 x 45 | 160 |             |     |
| 200 x 170 x 60 |     |             |     |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5161. Überlaufkeile, Stahl

VDI 3357

Zeichnung zu 5161.



### Produkteigenschaften

**Material:** Stahl, durchgehärtet

**Hinweis:** Lieferung ohne Schrauben

### Bestellbeispiel:

5161.100.170.45

Überlaufkeile VDI 3357

B = 100,0 mm

L = 170,0 mm

T = 45,0 mm



Tabelle zu 5161.

| B x L x T      | a   | L1<br>+0,05 | W°  |
|----------------|-----|-------------|-----|
| 100 x 170 x 45 | 60  | 143,37      | 20° |
| 125 x 170 x 45 | 85  |             |     |
| 150 x 170 x 45 | 110 |             |     |
| 200 x 170 x 45 | 160 |             |     |
| 100 x 150 x 45 | 60  | 127,86      | 30° |
| 100 x 170 x 60 |     |             |     |
| 125 x 150 x 45 | 85  |             |     |
| 125 x 170 x 60 |     |             |     |
| 150 x 150 x 45 | 110 |             |     |
| 150 x 170 x 60 |     |             |     |
| 200 x 150 x 45 | 160 |             |     |
| 200 x 170 x 60 |     |             |     |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5165. Prismenführung

Bronze mit Festschmierstoff, ähnl. VDI 3387

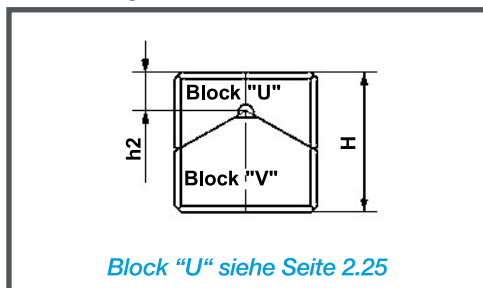


### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm  
**Härte:** HB10: 190 - 220  
**Hinweis:** Lieferung ohne Schrauben und Stifte



Zusammgebauter Zustand 5165. + 5165.1.



### Bestellbeispiel:

5165.065.47.150

Prismenführung VDI 3387

b1 = 65,0 mm

H1 = 47,0 mm

L1 = 150,0 mm

Zeichnung zu 5165.

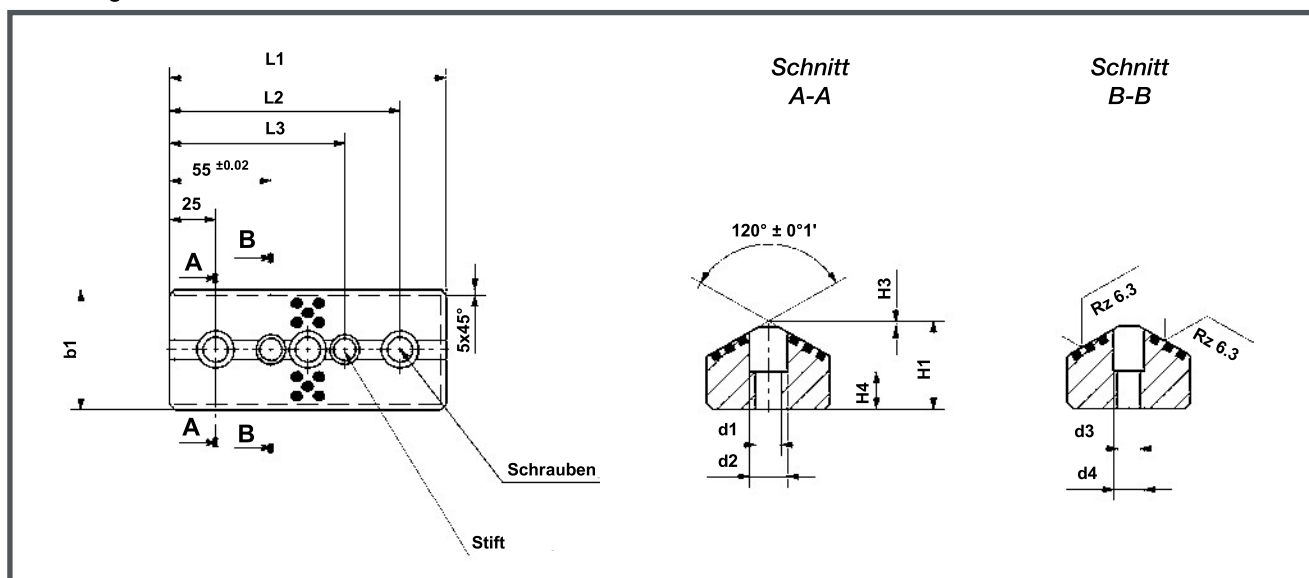


Tabelle zu 5165.

| b1<br>h6 | H1<br>±0,01 | L1<br>-0,2 | L2<br>±0,2 | L3<br>±0,01 | L4<br>±0,2 | H<br>+0,05 | h1<br>±0,025 | H2<br>±0,2 | H3<br>±0,2 | H4 | d1<br>H13 | d2<br>H13 | d3<br>H7 | d4<br>H13 |
|----------|-------------|------------|------------|-------------|------------|------------|--------------|------------|------------|----|-----------|-----------|----------|-----------|
| 65       | 47          | 150        | 125        | 100         | -          | 65         | 18           | 20         | 3          | 20 | 13,5      | 20        | 12       | 16        |
|          |             | 200        | 175        | 150         |            |            |              |            |            |    |           |           |          |           |
|          |             | 250        | 225        | 200         |            |            |              |            |            |    |           |           |          |           |
|          |             | 300        | 275        | 250         |            |            |              |            |            |    |           |           |          |           |
| 125      | 57          | 150        | 125        | 100         | -          | 85         | 28           | 15         | 5          | 30 | 17,5      | 26        | 16       | 20        |
|          |             | 200        | 175        | 150         |            |            |              |            |            |    |           |           |          |           |
|          |             | 250        | 225        | 200         |            |            |              |            |            |    |           |           |          |           |
|          |             | 300        | 275        | 250         |            |            |              |            |            |    |           |           |          |           |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5165.1. Prismenführung, Stahl

äbnl. VDI 3387

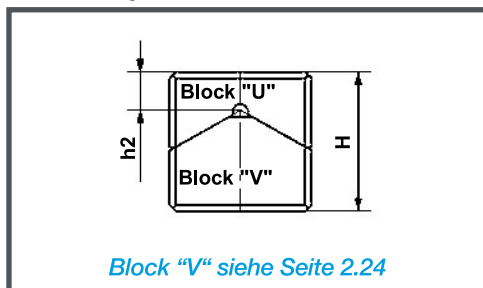


### Produkteigenschaften

**Material:** Stahl, Gleitflächen  
oberflächengehärtet

**Hinweis:** Lieferung ohne Schrauben  
und Stifte

Zusammengebauter Zustand 5165. + 5165.1.



### Bestellbeispiel:

5165.1.065.35.150

Prismenführung VDI 3387

b1 = 65,0 mm

h1 = 35,0 mm

L1 = 150,0 mm

Zeichnung zu 5165.1.

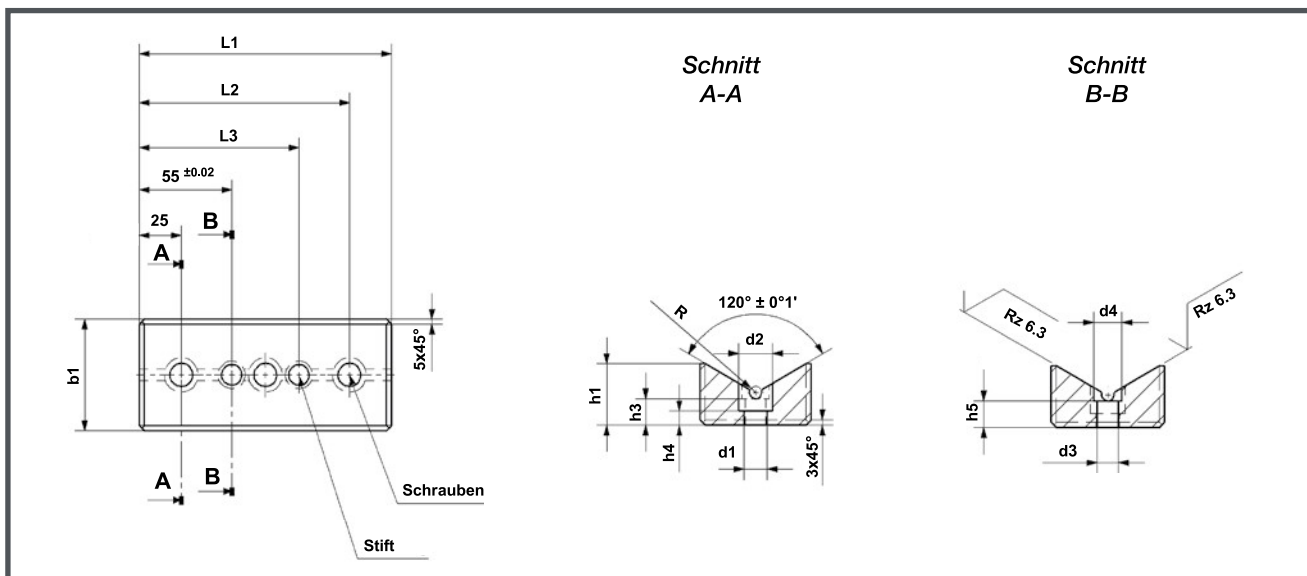


Tabelle zu 5165.1.

| b1<br>h6 | h1<br>±0,2 | L1<br>-0,2 | L2<br>±0,2 | L3<br>±0,02 | A<br>±0,12 | H<br>+0,05 | h2<br>±0,01 | h3<br>±0,2 | h4<br>±0,2 | h5 | R  | d1<br>H13 | d2<br>H13 | d3<br>H7 | d4<br>H13 |
|----------|------------|------------|------------|-------------|------------|------------|-------------|------------|------------|----|----|-----------|-----------|----------|-----------|
| 65       | 35         | 150        | 125        | 100         | -          | 65         | 18          | 15         | 8          | 15 | 7  | 13,5      | 20        | 12       | 16        |
|          |            | 200        | 175        | 150         |            |            |             |            |            |    |    |           |           |          |           |
|          |            | 250        | 225        | 200         | 125        |            |             |            |            |    |    |           |           |          |           |
|          |            | 300        | 275        | 250         | 150        |            |             |            |            |    |    |           |           |          |           |
| 125      | 60         | 150        | 125        | 100         | -          | 85         | 28          | 24         | 15         | 24 | 10 | 17,5      | 26        | 16       | 20        |
|          |            | 200        | 175        | 150         |            |            |             |            |            |    |    |           |           |          |           |
|          |            | 250        | 225        | 200         | 125        |            |             |            |            |    |    |           |           |          |           |
|          |            | 300        | 275        | 250         | 150        |            |             |            |            |    |    |           |           |          |           |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5168. Schieber Mittenführung

Bronze mit Festschmierstoff



### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

**Hinweis:** Lieferung ohne Schrauben

Zeichnung zu 5168.

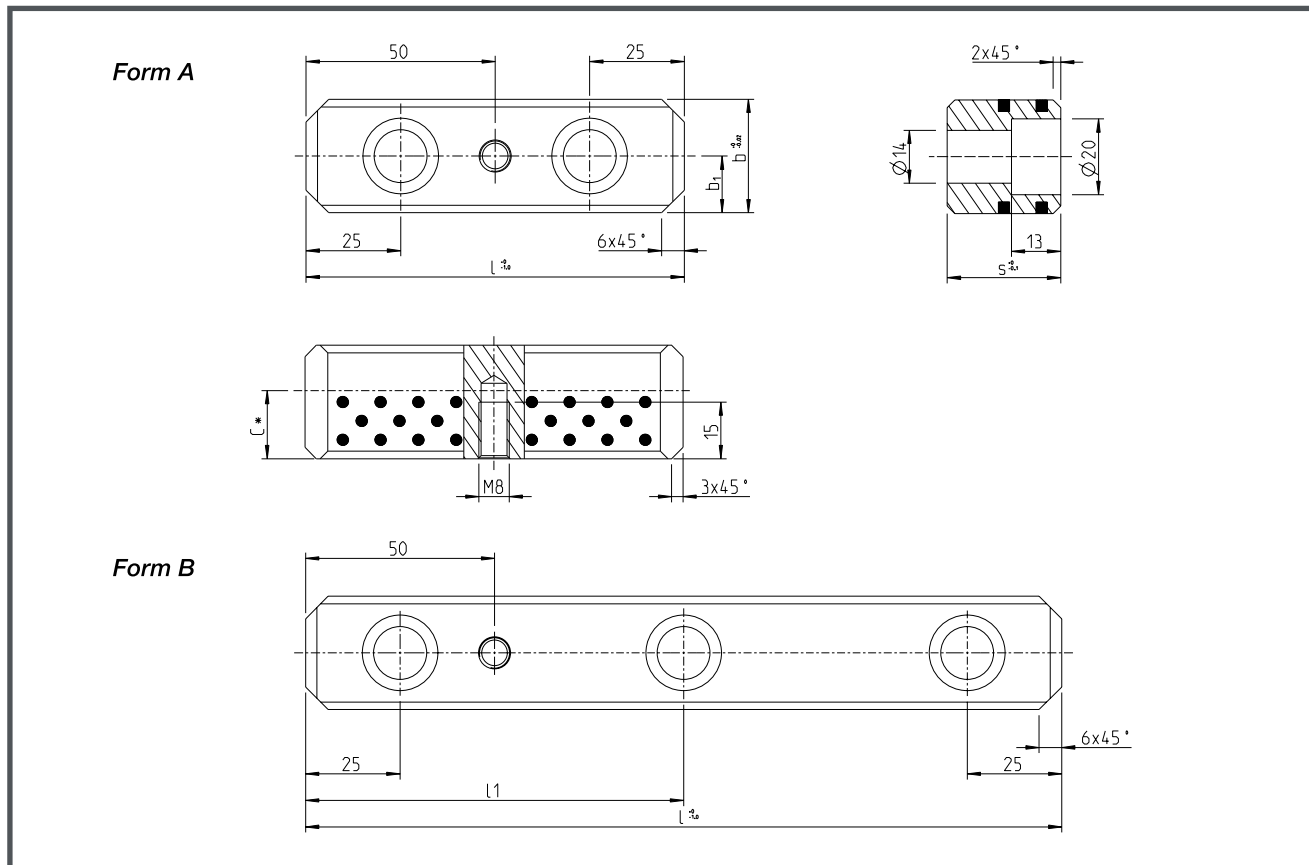


Tabelle zu 5168.

| Form | b  | l   | s  | b1 | l1  | c  | Anzahl Bohrungen |
|------|----|-----|----|----|-----|----|------------------|
| A    | 30 | 100 | 30 | 15 | -   | 18 | 2                |
| A    | 30 | 150 | 30 | 15 | -   | 18 | 2                |
| B    | 30 | 200 | 30 | 15 | 100 | 18 | 3                |
| B    | 30 | 250 | 30 | 15 | 125 | 18 | 3                |
| B    | 30 | 300 | 30 | 15 | 150 | 18 | 3                |
| B    | 30 | 350 | 30 | 15 | 175 | 18 | 3                |
| A    | 40 | 100 | 30 | 20 | -   | 18 | 2                |
| A    | 40 | 150 | 30 | 20 | -   | 18 | 2                |
| B    | 40 | 200 | 30 | 20 | 100 | 18 | 3                |
| B    | 40 | 250 | 30 | 20 | 125 | 18 | 3                |
| B    | 40 | 300 | 30 | 20 | 150 | 18 | 3                |
| B    | 40 | 350 | 30 | 20 | 175 | 18 | 3                |
| A    | 40 | 100 | 40 | 20 | -   | 20 | 2                |
| A    | 40 | 150 | 40 | 20 | -   | 20 | 2                |
| B    | 40 | 200 | 40 | 20 | 100 | 20 | 3                |
| B    | 40 | 250 | 40 | 20 | 125 | 20 | 3                |
| B    | 40 | 300 | 40 | 20 | 150 | 20 | 3                |
| B    | 40 | 350 | 40 | 20 | 175 | 20 | 3                |



### Bestellbeispiel:

5168.030.100.030

Schieber Mittenführung

b = 30,0 mm

l = 100,0 mm

s = 30,0 mm

## 5170. Führungsleiste mit 2 Gleitflächen

Bronze mit Festschmierstoff, VDI 3357

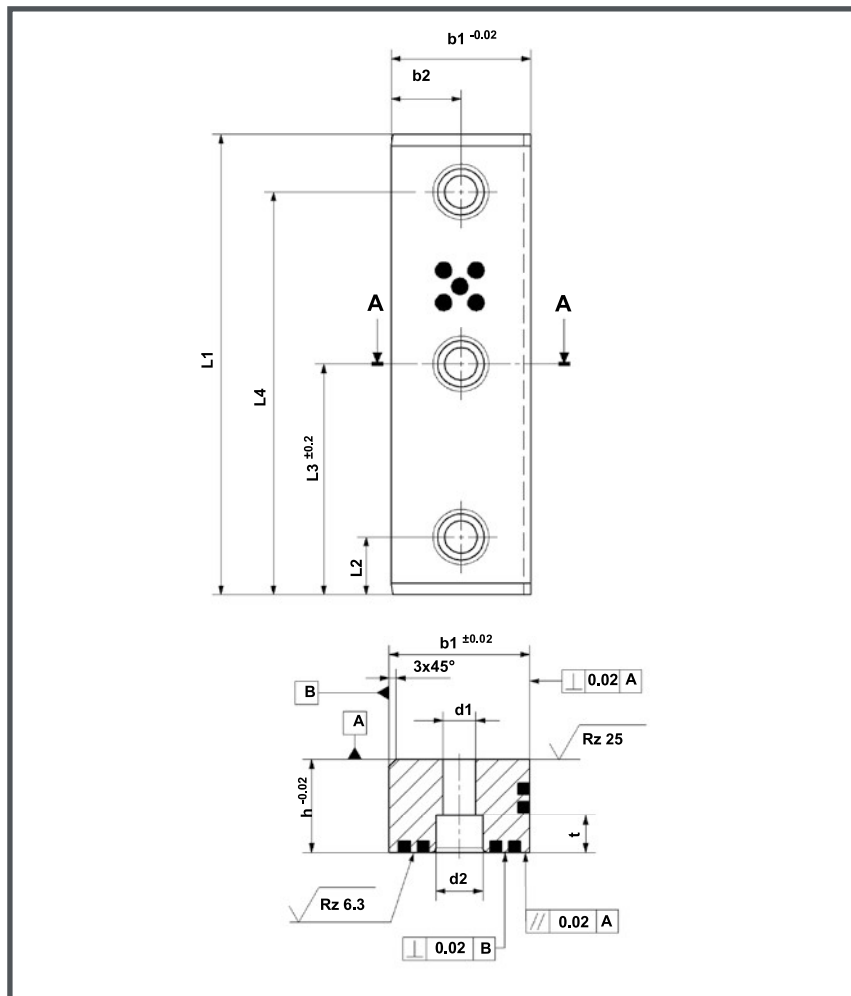


### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

Zeichnung zu 5170.



### Bestellbeispiel:

5170.60.125.30

Führungsleiste VDI 3357

b1 = 60,0 mm

L1 = 125,0 mm

h = 30,0 mm



Tabelle zu 5170.

| b1 x L1 x h   | L2 | L3  | L4  | b2 | d1   | d2 | t  | Zyl-Schraube<br>DIN 912 | Stk. |
|---------------|----|-----|-----|----|------|----|----|-------------------------|------|
| 60 x 125 x 30 | 25 | 100 | -   | 30 | 13,5 | 20 | 13 | M12                     | 2    |
| 60 x 150 x 30 |    | 125 |     |    |      |    |    |                         | 2    |
| 60 x 160 x 30 |    | 135 |     |    |      |    |    |                         | 2    |
| 60 x 200 x 30 |    | 100 | 175 |    |      |    |    |                         | 3    |
| 60 x 125 x 40 |    | 100 | -   |    |      |    |    |                         | 2    |
| 60 x 150 x 40 |    | 125 |     |    |      |    |    |                         | 2    |
| 60 x 160 x 40 |    | 135 |     |    |      |    |    |                         | 2    |
| 60 x 200 x 40 |    | 100 | 175 |    |      |    |    |                         | 3    |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel



## 5175. Rechteckführung, Stahl gehärtet mit Festschmierstoff

### 5175.1. Führungsaufnahme zu Rechteckführungen



#### Produkteigenschaften

**Material:** Stahl, gehärtet,  
mit Festschmierstoff

5175.



5175.1.



#### Bestellbeispiel:

5175.042.016

Rechteckführung

$L = 42,0 \text{ mm}$  |  $b1 = 16,0 \text{ mm}$

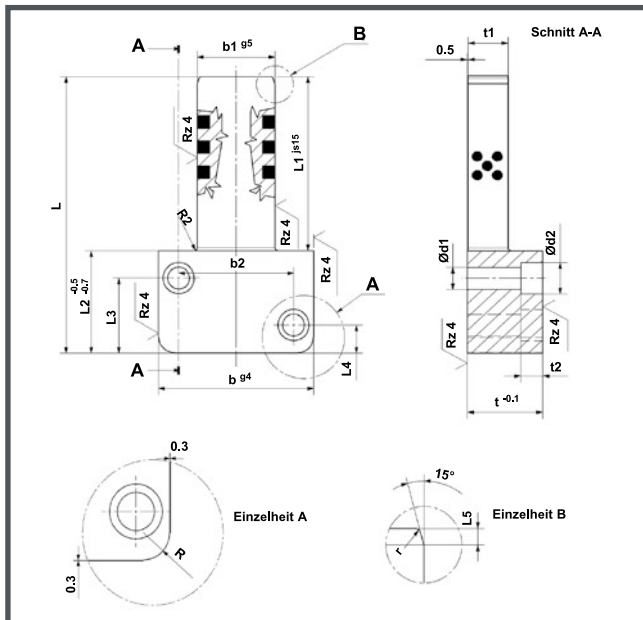
#### Bestellbeispiel:

5175.1.22.016

Führungsaufnahme

$L = 22,0 \text{ mm}$  |  $b1 = 16,0 \text{ mm}$

Zeichnung zu 5175.



Zeichnung zu 5175.1.

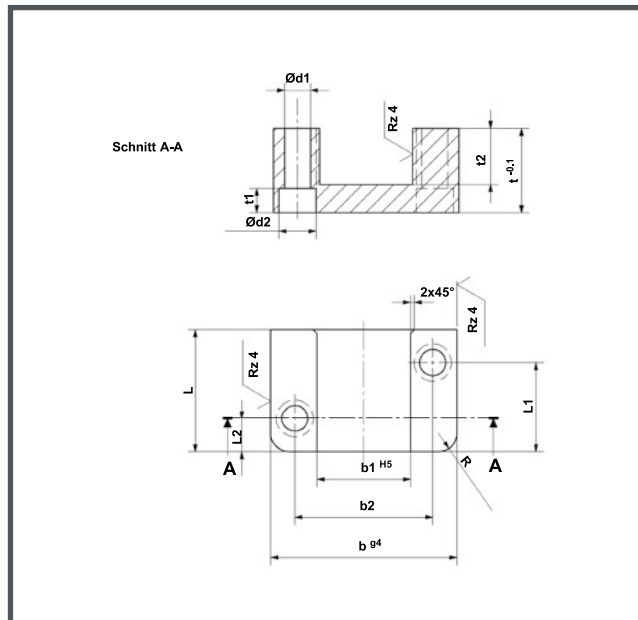


Tabelle zu 5175.

| L   | b   | t  | L1  | L2 | L3 | L4 | b1 | b2 | t1 | t2 | Ød1 | Ød2 | R | r   | L5 |
|-----|-----|----|-----|----|----|----|----|----|----|----|-----|-----|---|-----|----|
| 42  | 40  | 20 | 20  | 22 | 15 | 7  | 16 | 26 | 11 |    |     |     | 6 | 1,5 | 4  |
| 52  | 45  | 22 | 25  | 27 | 19 |    | 20 | 31 | 13 | 7  | 7   | 11  |   |     | 5  |
| 68  | 50  | 25 | 32  | 36 | 27 | 9  | 25 | 35 | 14 |    |     |     | 8 |     | 7  |
| 86  | 63  | 32 | 40  | 46 | 35 | 11 | 32 | 45 | 19 | 9  | 9   | 15  |   | 2   | 8  |
| 106 | 85  | 36 | 50  | 56 | 40 | 15 | 40 | 60 | 22 | 11 | 11  | 18  |   | 10  | 10 |
| 122 | 100 | 40 | 56  | 66 | 48 | 18 | 50 | 74 | 24 | 13 | 14  | 20  |   |     |    |
| 62  | 40  | 20 | 40  | 22 | 15 | 7  | 16 | 26 | 11 |    |     |     | 6 | 1,5 | 4  |
| 77  | 45  | 22 | 50  | 27 | 19 |    | 20 | 31 | 13 | 7  | 7   | 11  |   |     | 5  |
| 99  | 50  | 25 | 63  | 36 | 27 | 9  | 25 | 35 | 14 |    |     |     | 8 |     | 7  |
| 126 | 63  | 32 | 80  | 46 | 35 | 11 | 32 | 45 | 19 | 9  | 9   | 15  |   | 2   | 8  |
| 156 | 85  | 36 | 100 | 56 | 40 | 15 | 40 | 60 | 22 | 11 | 11  | 18  |   |     |    |
| 178 | 100 | 40 | 112 | 66 | 48 | 18 | 50 | 74 | 24 | 13 | 14  | 20  |   | 10  | 10 |

Maße ohne Toleranzangabe DIN ISO 2768 mittel

Tabelle zu 5175.1.

| L  | b   | t  | L1 | L2 | b1 | b2 | t1  | t2 | Ød1 | Ød2 |
|----|-----|----|----|----|----|----|-----|----|-----|-----|
| 22 | 40  | 20 | 15 | 7  | 16 | 26 |     | 12 |     |     |
| 27 | 45  | 22 | 19 |    | 20 | 31 | 6,9 | 14 | 6,6 | 11  |
| 36 | 50  | 25 | 27 | 9  | 25 | 35 |     | 15 |     |     |
| 46 | 63  | 32 | 35 | 11 | 32 | 45 | 9   | 20 | 9   | 15  |
| 56 | 85  | 36 | 40 | 15 | 40 | 60 | 11  | 23 | 11  | 18  |
| 66 | 100 | 40 | 48 | 18 | 50 | 74 | 13  | 25 | 14  | 20  |

Maße ohne Toleranzangabe DIN ISO 2768 mittel

## 5176. Verriegelung

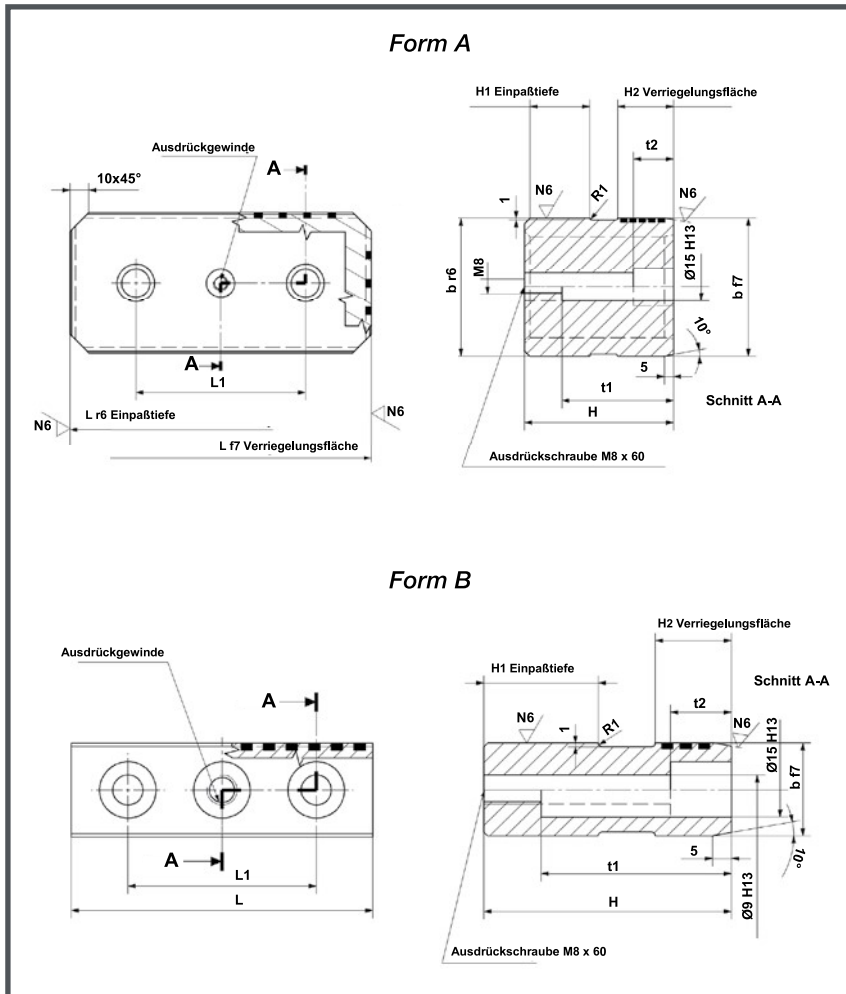


### Produkteigenschaften

**Material:** Bronze mit Festschmierstoff, wartungsarm

**Härte:** HB10: 190 - 220

Zeichnung zu 5176.



### Bestellbeispiel:

5176.080.35

Verriegelung

L = 80,0 mm

b = 35,0 mm

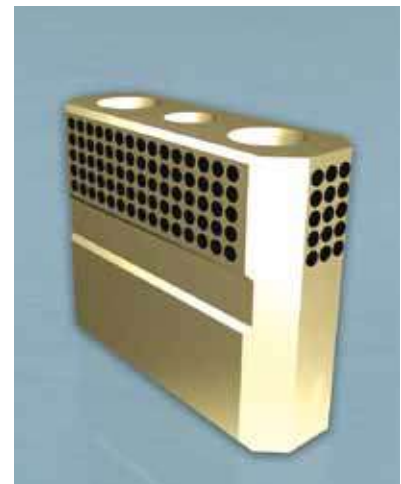


Tabelle zu 5176.

| L   | b  | H  | L1  | t1 | t2   | H1 | H2 | Form | Schrauben |    |   |          |    |   |          |
|-----|----|----|-----|----|------|----|----|------|-----------|----|---|----------|----|---|----------|
| 80  | 35 | 80 | 50  | 60 | 13   | 35 | 30 | A    | M12 x 90  |    |   |          |    |   |          |
| 100 |    |    | 60  |    |      |    |    |      |           |    |   |          |    |   |          |
| 125 |    |    | 80  |    |      |    |    |      |           |    |   |          |    |   |          |
| 160 |    |    | 100 |    |      |    |    |      |           |    |   |          |    |   |          |
| 100 | 55 |    | 60  |    | 17,5 |    |    |      | 35        | 30 | A | M16 x 90 |    |   |          |
| 125 |    |    | 70  |    |      |    |    |      |           |    |   |          |    |   |          |
| 160 |    |    | 100 |    |      |    |    |      |           |    |   |          |    |   |          |
| 100 |    |    | 50  |    |      |    |    |      |           |    |   |          |    |   |          |
| 125 | 75 |    | 70  |    | 21,5 |    |    |      |           |    |   | 35       | 30 | A | M20 x 90 |
| 160 |    |    | 90  |    |      |    |    |      |           |    |   |          |    |   |          |
| 80  |    |    | 50  |    |      |    |    |      |           |    |   |          |    |   |          |
| 100 |    |    | 70  |    |      |    |    |      |           |    |   |          |    |   |          |
| 80  | 25 | 65 | 50  | 50 | 16   | 30 | 20 | B    |           |    |   |          |    |   | M8 x 80  |
| 100 |    |    | 70  |    |      |    |    |      |           |    |   |          |    |   |          |

Maße ohne Toleranzangabe | DIN ISO 2768 mittel

## 5200. Zentriereinheit mit Abstimmscheibe



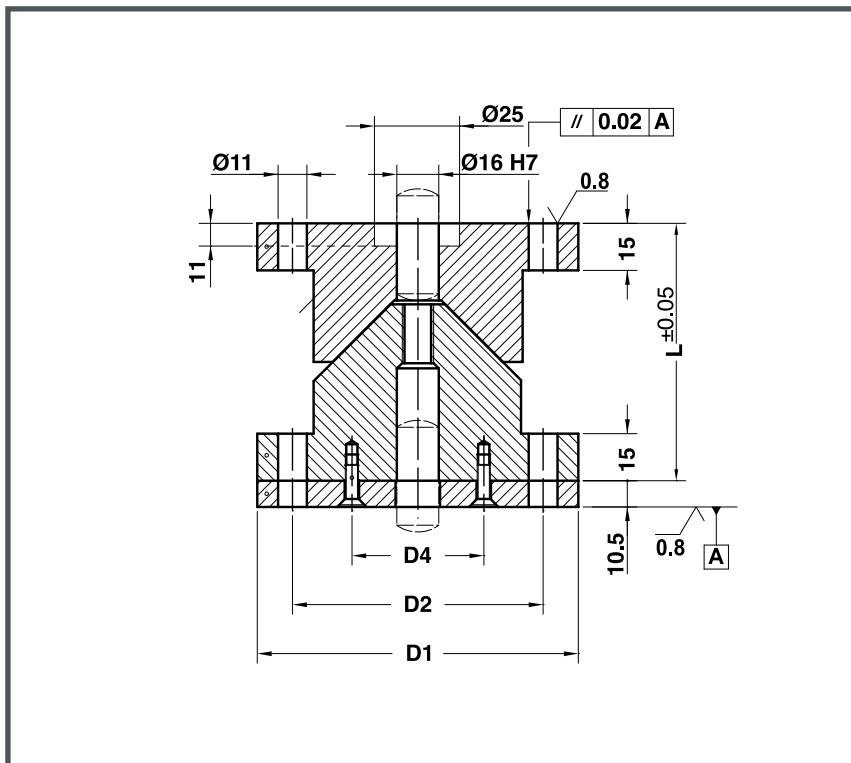
### Produkteigenschaften

#### Material Zentriereinheit:

16MnCr5, nitriert, 600<sup>+50</sup> HV 50

Material Abstimmscheibe: C45 o. ähnl.

Zeichnung zu 5200.



### Bestellbeispiel:

5200.100.1

Zentriereinheit mit Abstimmscheibe

D1 = 100,0 mm

Form = 1



Zeichnung zu 5200.

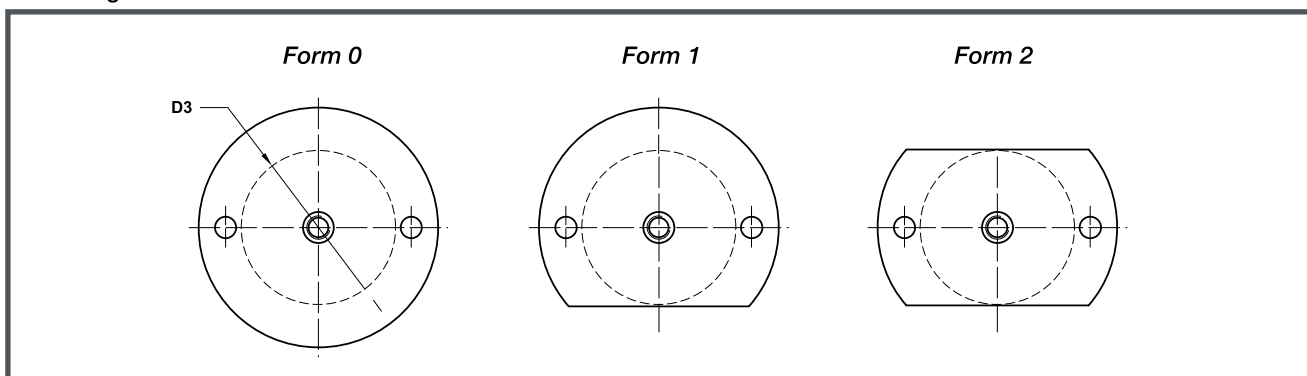


Tabelle zu 5200.

| D1  | D2 | D3 | D4   | L  | Form |
|-----|----|----|------|----|------|
| 100 | 76 | 58 | 40,5 | 80 | 0    |
| 100 | 76 | 58 | 40,5 | 80 | 1    |
| 100 | 76 | 58 | 40,5 | 80 | 2    |
| 120 | 96 | 78 | 50,5 | 90 | 0    |
| 120 | 96 | 78 | 50,5 | 90 | 1    |
| 120 | 96 | 78 | 50,5 | 90 | 2    |

Hinweis: Zentriereinheit inkl. Abstimmscheibe wird montiert geliefert.  
Lieferung mit Schrauben.

## 5201. Zentrierbolzen nach BMW- und VW-Norm



### Produkteigenschaften

**Material:** Stahl, gehärtet

**Hinweis:** Lieferung ohne Schrauben

Zeichnung zu 5201.

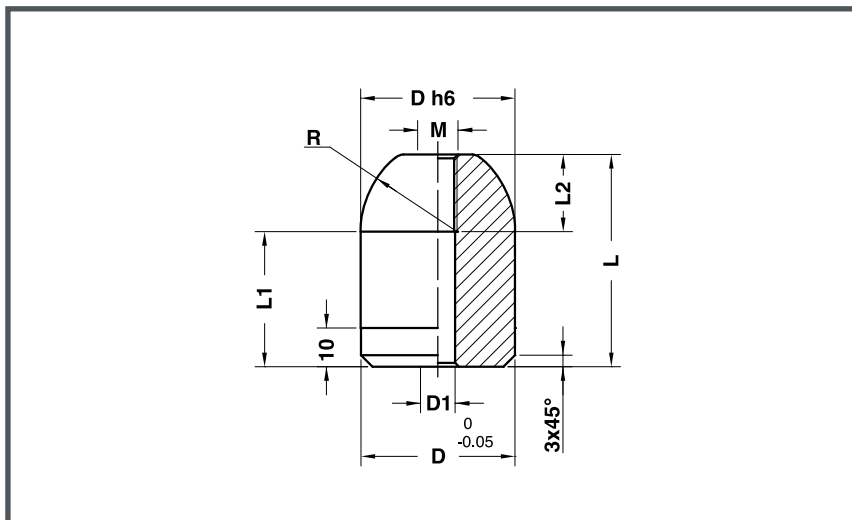


Tabelle zu 5201.

| D  | D1 | L  | L1    | L2 | M   | R  | Norm |
|----|----|----|-------|----|-----|----|------|
| 22 | 7  | 45 | 35    | 16 | M8  | 15 | ★ ●  |
| 22 | 7  | 55 | 45    | 16 | M8  | 15 | ●    |
| 32 | 9  | 50 | 37,5  | 20 | M10 | 20 | ★    |
| 40 | 9  | 55 | 35    | 20 | M10 | 25 | ★ ●  |
| 40 | 9  | 65 | 45    | 20 | M10 | 25 | ●    |
| 50 | 9  | 55 | 41,25 | 20 | M10 | 25 | ★    |
| 56 | 9  | 80 | 60    | 20 | M10 | 30 | ★    |

★ = BMW-Norm

● = VW-Norm

### Bestellbeispiel:

5201.022.045

Zentrierbolzen

D = 22,0 mm

L = 45,0 mm

## 5202. Zentrierbolzen nach DC-Norm



### Produkteigenschaften

**Material:** Stahl, gehärtet

**Hinweis:** Lieferung ohne Schrauben

**Befestigung:**

Zylinderschrauben DIN EN ISO 4762  
verwenden.

M6x50, M8x50

Zeichnung zu 5202.

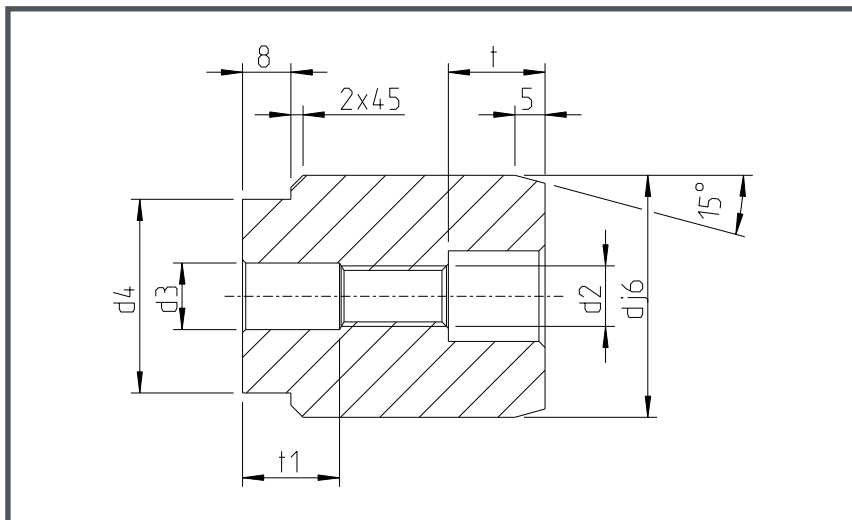


Tabelle zu 5202.

| d  | d1 | d2  | d3 | d4 | t  | t1 |
|----|----|-----|----|----|----|----|
| 22 | 11 | M8  | 9  | 16 | 13 | 16 |
| 25 | 11 | M8  | 9  | 18 | 13 | 16 |
| 32 | 11 | M8  | 9  | 25 | 13 | 16 |
| 40 | 15 | M10 | 11 | 32 | 16 | 20 |
| 50 | 15 | M10 | 11 | 42 | 16 | 20 |

### Bestellbeispiel:

5202.22

Zentrierbolzen nach DC-Norm  
d = 22,0 mm

## 5205. Einweiser



### Produkteigenschaften

Material: CK60

Zeichnung zu 5205.

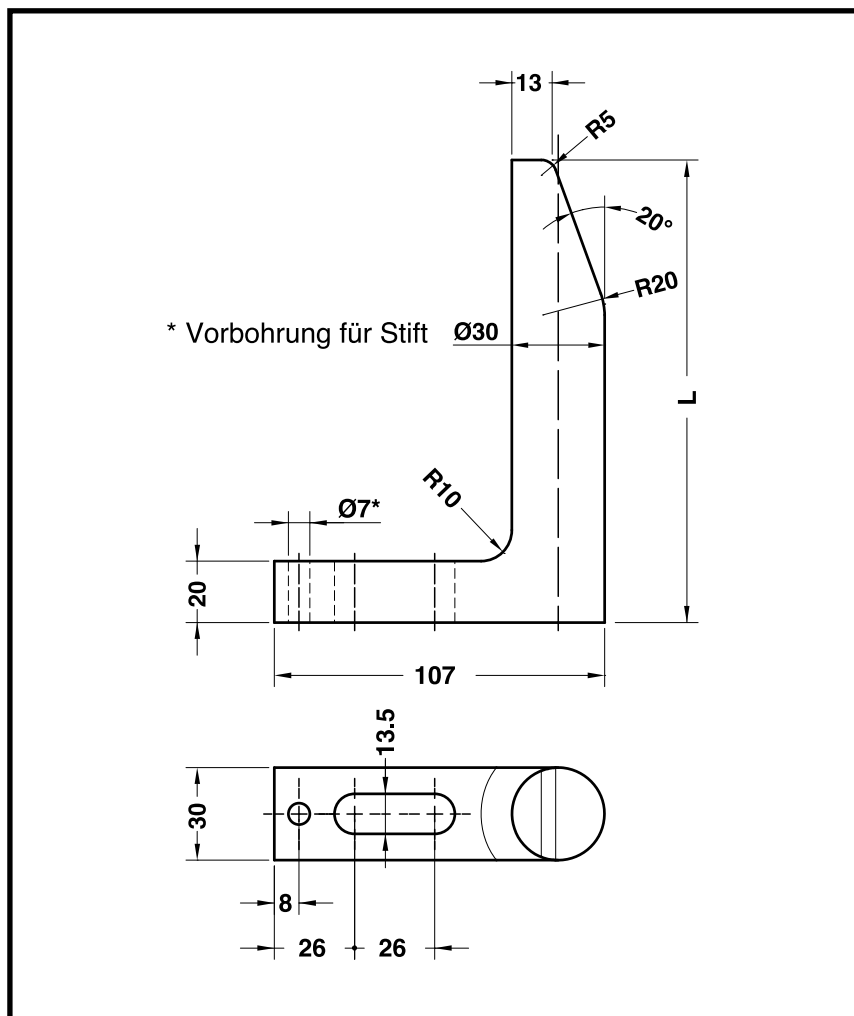


Tabelle zu 5205.

| L   |
|-----|
| 65  |
| 90  |
| 120 |
| 150 |
| 180 |
| 250 |
| 300 |
| 350 |

Bestellbeispiel:

5205.065

Einweiser

L = 65,0 mm

## 5206. Einweiser mit Teillagekontrolle nach VDI



### Produkteigenschaften

Material: CK60

Zeichnung zu 5206.

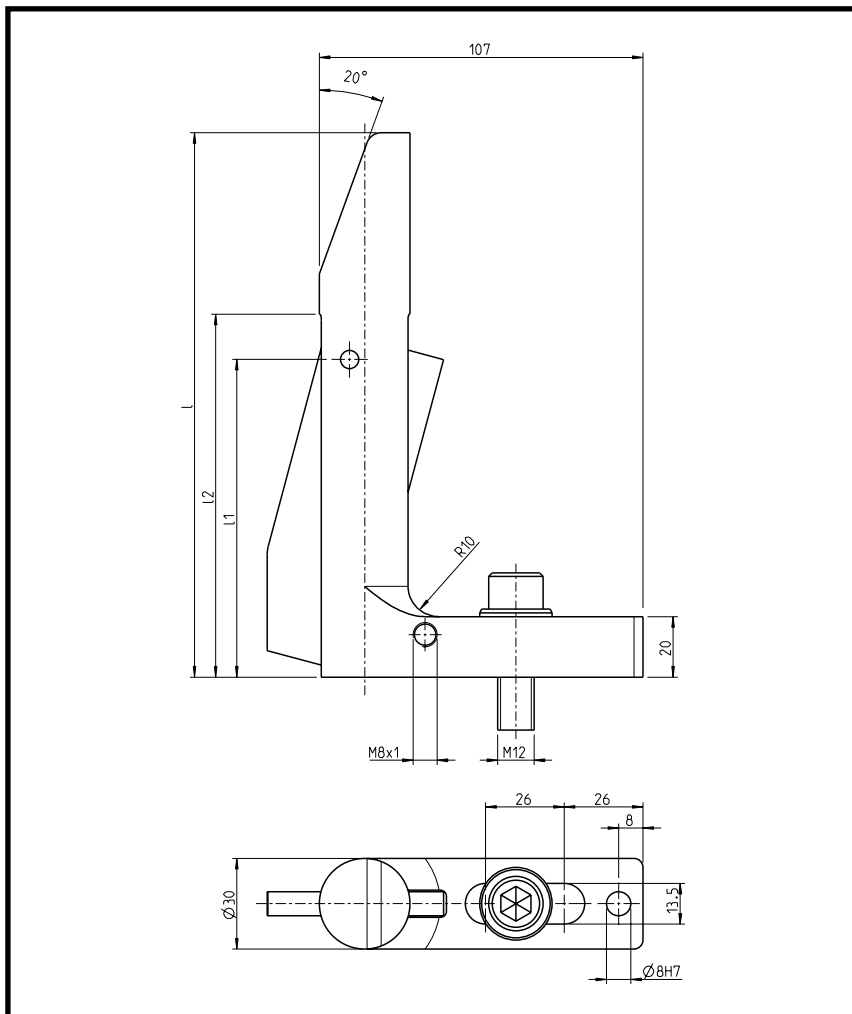


Tabelle zu 5206.

| L   | L1  | L2  |
|-----|-----|-----|
| 120 | 55  | 70  |
| 150 | 55  | 70  |
| 180 | 105 | 120 |
| 240 | 105 | 120 |

### Bestellbeispiel:

5206.120  
Einweiser mit Teillagekontrolle  
L = 120,0 mm