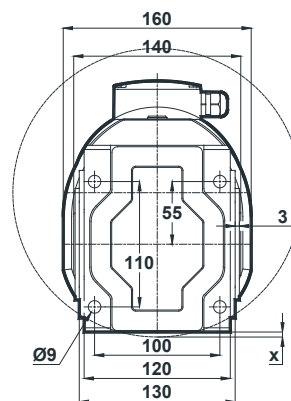
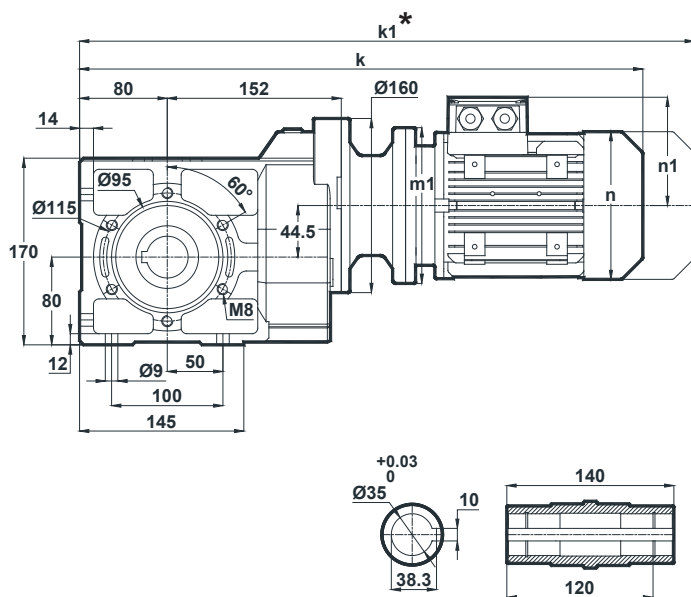


# KV202 + KV203 Kegelradgetriebemotor / Bevel Gear Motor

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

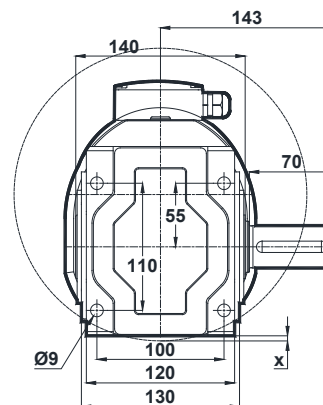
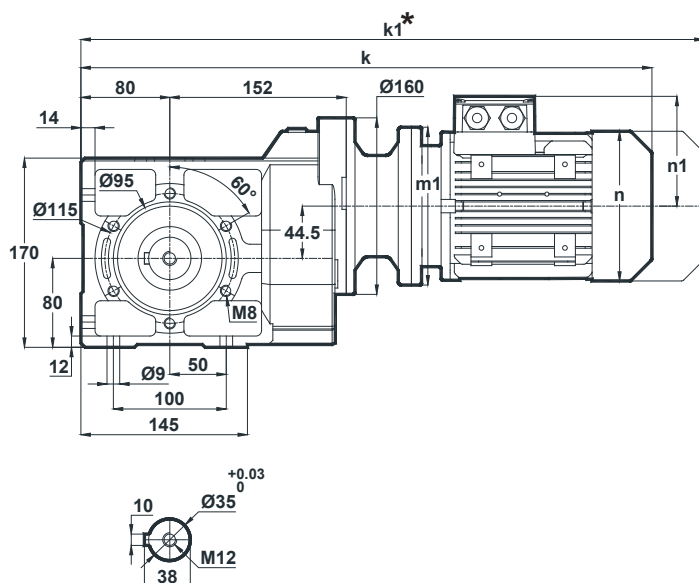
KV202.00  
KV203.00



x: If Motor is lower than foot mounting plane  
x: Wenn der Motor unter der Fußmontageebene ist

|          | 63/B5    | 71/B5<br>71/B14 | 80/B5<br>80/B14 | 90S/B5<br>90S/B14 | 90L/B5<br>90L/B14 | 100L/B5<br>100L/B14 | 112M/B5<br>112M/B14 |
|----------|----------|-----------------|-----------------|-------------------|-------------------|---------------------|---------------------|
| k        | 498.5    | 487.5           | 539.5           | 580.5             | 580.5             | 609                 | 629.5               |
| k1       | 559.5    | 578.5           | 632.5           | 684               | 684               | 717.5               | 734                 |
| n / n1   | 121 / 97 | 137 / 112       | 155 / 121       | 176 / 132         | 176 / 132         | 193 / 147           | 215 / 158           |
| m1 (B5)  | 140      | 160             | 200             | 200               | 200               | 250                 | 250                 |
| m1 (B14) | -        | 105             | 120             | 140               | 140               | 160                 | 160                 |
| x        | -        | -               | -               | -                 | -                 | 0,5                 | 0,5                 |

KV202.01  
KV203.01



x: If Motor is lower than foot mounting plane  
x: Wenn der Motor unter der Fußmontageebene ist

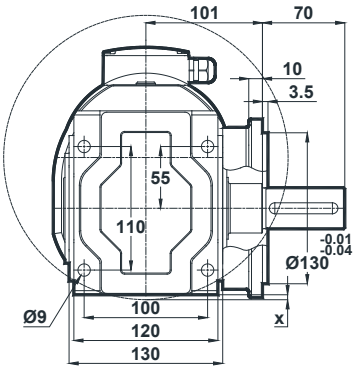
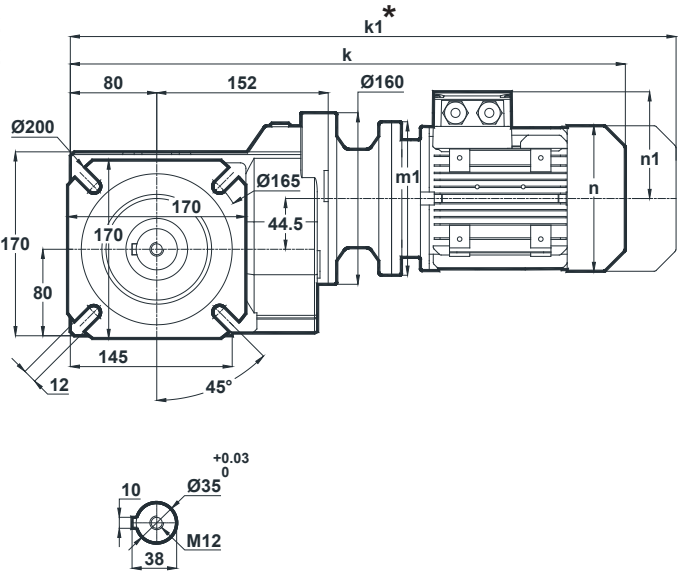
|          | 63/B5    | 71/B5<br>71/B14 | 80/B5<br>80/B14 | 90S/B5<br>90S/B14 | 90L/B5<br>90L/B14 | 100L/B5<br>100L/B14 | 112M/B5<br>112M/B14 |
|----------|----------|-----------------|-----------------|-------------------|-------------------|---------------------|---------------------|
| k        | 498.5    | 487.5           | 539.5           | 580.5             | 580.5             | 609                 | 629.5               |
| k1       | 559.5    | 578.5           | 632.5           | 684               | 684               | 717.5               | 734                 |
| n / n1   | 121 / 97 | 137 / 112       | 155 / 121       | 176 / 132         | 176 / 132         | 193 / 147           | 215 / 158           |
| m1 (B5)  | 140      | 160             | 200             | 200               | 200               | 250                 | 250                 |
| m1 (B14) | -        | 105             | 120             | 140               | 140               | 160                 | 160                 |
| x        | -        | -               | -               | -                 | -                 | 0,5                 | 0,5                 |

Dimension "k1" is for motors with brake.  
Maße "k1" ist für Bremsenmotoren.

# KV202 + KV203 Kegelradgetriebemotor / Bevel Gear Motor

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

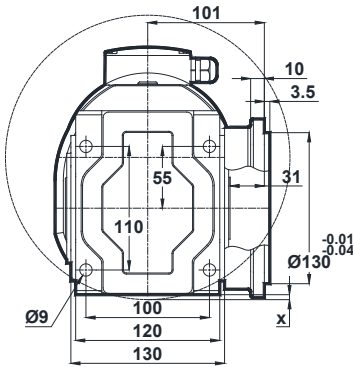
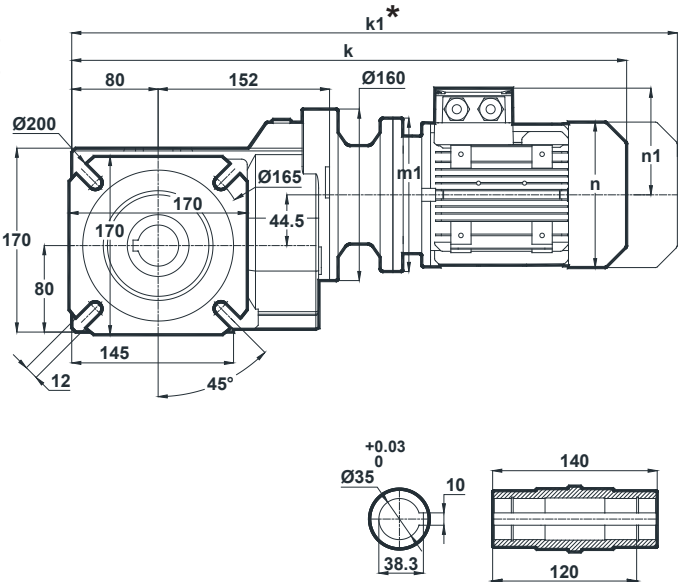
KV202.02  
KV203.02



x: If Motor is lower than foot mounting plane  
x: Wenn der Motor unter der Fußmontageebene ist

|          | 63/B5    | 71/B5<br>71/B14 | 80/B5<br>80/B14 | 90S/B5<br>90S/B14 | 90L/B5<br>90L/B14 | 100L/B5<br>100L/B14 | 112M/B5<br>112M/B14 |
|----------|----------|-----------------|-----------------|-------------------|-------------------|---------------------|---------------------|
| k        | 498.5    | 487.5           | 539.5           | 580.5             | 580.5             | 609                 | 629.5               |
| k1       | 559.5    | 578.5           | 632.5           | 684               | 684               | 717.5               | 734                 |
| n / n1   | 121 / 97 | 137 / 112       | 155 / 121       | 176 / 132         | 176 / 132         | 193 / 147           | 215 / 158           |
| m1 (B5)  | 140      | 160             | 200             | 200               | 200               | 250                 | 250                 |
| m1 (B14) | -        | 105             | 120             | 140               | 140               | 160                 | 160                 |
| x        | -        | -               | -               | -                 | -                 | 0,5                 | 0,5                 |

KV202.03  
KV203.03



x: If Motor is lower than foot mounting plane  
x: Wenn der Motor unter der Fußmontageebene ist

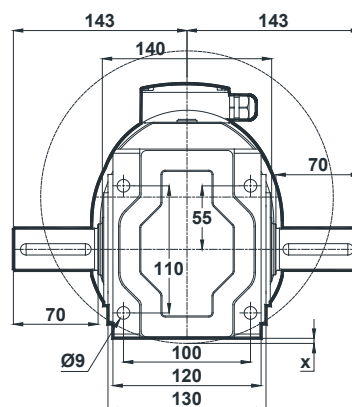
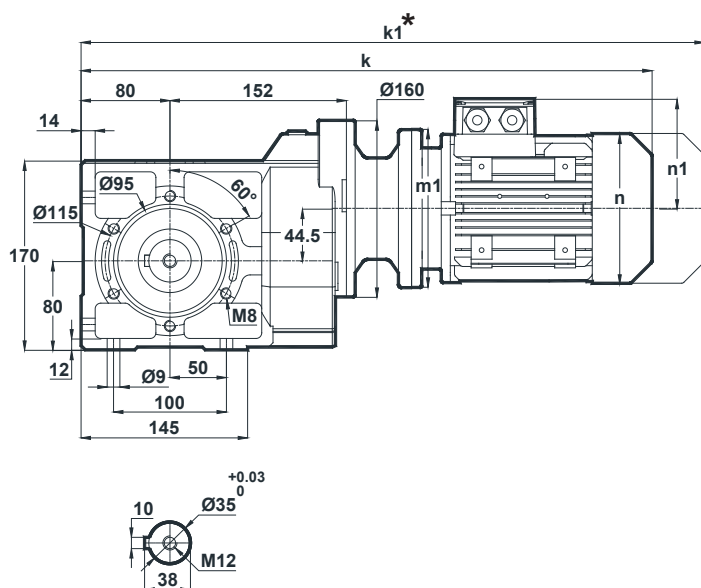
|          | 63/B5    | 71/B5<br>71/B14 | 80/B5<br>80/B14 | 90S/B5<br>90S/B14 | 90L/B5<br>90L/B14 | 100L/B5<br>100L/B14 | 112M/B5<br>112M/B14 |
|----------|----------|-----------------|-----------------|-------------------|-------------------|---------------------|---------------------|
| k        | 498.5    | 487.5           | 539.5           | 580.5             | 580.5             | 609                 | 629.5               |
| k1       | 559.5    | 578.5           | 632.5           | 684               | 684               | 717.5               | 734                 |
| n / n1   | 121 / 97 | 137 / 112       | 155 / 121       | 176 / 132         | 176 / 132         | 193 / 147           | 215 / 158           |
| m1 (B5)  | 140      | 160             | 200             | 200               | 200               | 250                 | 250                 |
| m1 (B14) | -        | 105             | 120             | 140               | 140               | 160                 | 160                 |
| x        | -        | -               | -               | -                 | -                 | 0,5                 | 0,5                 |

Dimension "k1" is for motors with brake.  
Maße "k1" ist für Bremsenmotoren.

## KV202 + KV203 Kegelradgetriebemotor / Bevel Gear Motor

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

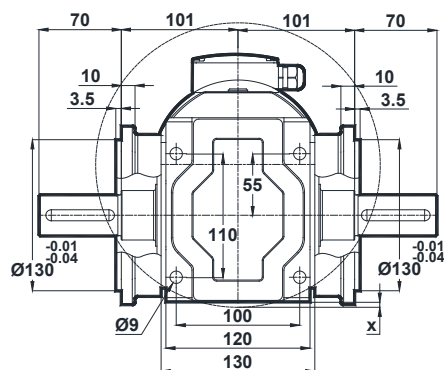
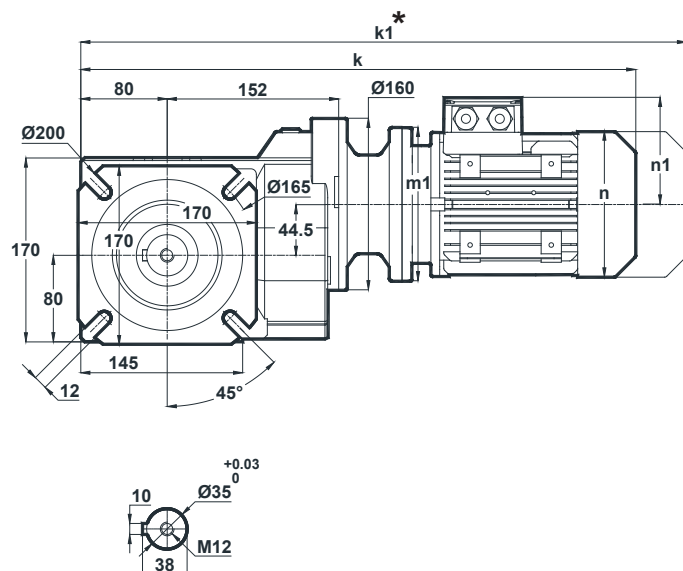
KV202.04  
KV203.04



x: If Motor is lower than foot mounting plane  
x: Wenn der Motor unter der Fußmontageebene ist

|                 | 63/B5    | 71/B5<br>71/B14 | 80/B5<br>80/B14 | 90S/B5<br>90S/B14 | 90L/B5<br>90L/B14 | 100L/B5<br>100L/B14 | 112M/B5<br>112M/B14 |
|-----------------|----------|-----------------|-----------------|-------------------|-------------------|---------------------|---------------------|
| <b>k</b>        | 498.5    | 487.5           | 539.5           | 580.5             | 580.5             | 609                 | 629.5               |
| <b>k1</b>       | 559.5    | 578.5           | 632.5           | 684               | 684               | 717.5               | 734                 |
| <b>n / n1</b>   | 121 / 97 | 137 / 112       | 155 / 121       | 176 / 132         | 176 / 132         | 193 / 147           | 215 / 158           |
| <b>m1 (B5)</b>  | 140      | 160             | 200             | 200               | 200               | 250                 | 250                 |
| <b>m1 (B14)</b> | -        | 105             | 120             | 140               | 140               | 160                 | 160                 |
| <b>x</b>        | -        | -               | -               | -                 | -                 | 0,5                 | 0,5                 |

**KV202.05**  
**KV203.05**



x: If Motor is lower than foot mounting plane  
x: Wenn der Motor unter der Fußmontageebene ist

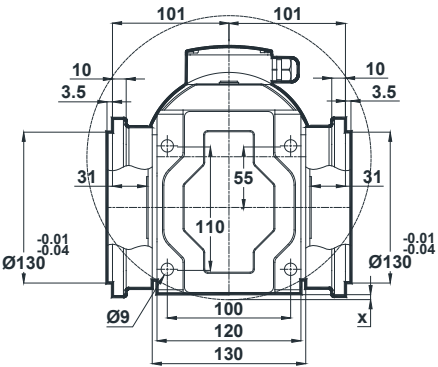
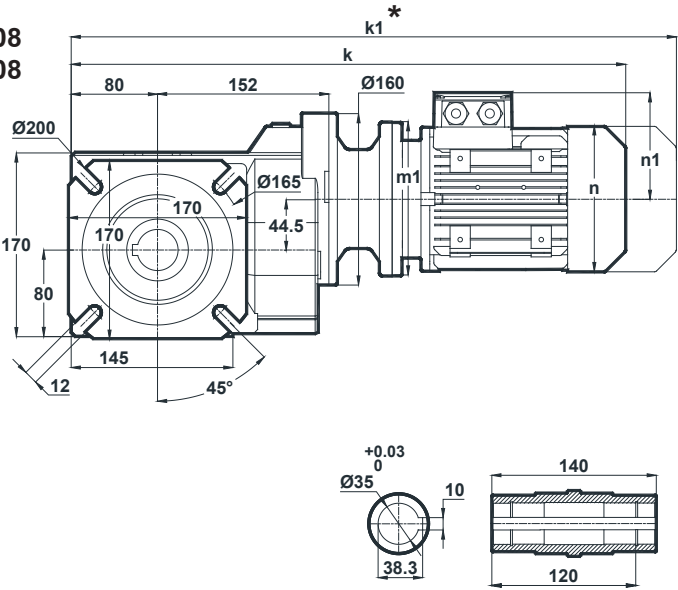
|                 | 63/B5    | 71/B5<br>71/B14 | 80/B5<br>80/B14 | 90S/B5<br>90S/B14 | 90L/B5<br>90L/B14 | 100L/B5<br>100L/B14 | 112M/B5<br>112M/B14 |
|-----------------|----------|-----------------|-----------------|-------------------|-------------------|---------------------|---------------------|
| <b>k</b>        | 498.5    | 487.5           | 539.5           | 580.5             | 580.5             | 609                 | 629.5               |
| <b>k1</b>       | 559.5    | 578.5           | 632.5           | 684               | 684               | 717.5               | 734                 |
| <b>n / n1</b>   | 121 / 97 | 137 / 112       | 155 / 121       | 176 / 132         | 176 / 132         | 193 / 147           | 215 / 158           |
| <b>m1 (B5)</b>  | 140      | 160             | 200             | 200               | 200               | 250                 | 250                 |
| <b>m1 (B14)</b> | -        | 105             | 120             | 140               | 140               | 160                 | 160                 |
| <b>x</b>        | -        | -               | -               | -                 | -                 | 0,5                 | 0,5                 |

Dimension "k1" is for motors with brake.  
Maße "k1" ist für Bremsenmotoren.

# KV202 + KV203 Kegelradgetriebemotor / Bevel Gear Motor

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV202.08  
KV203.08



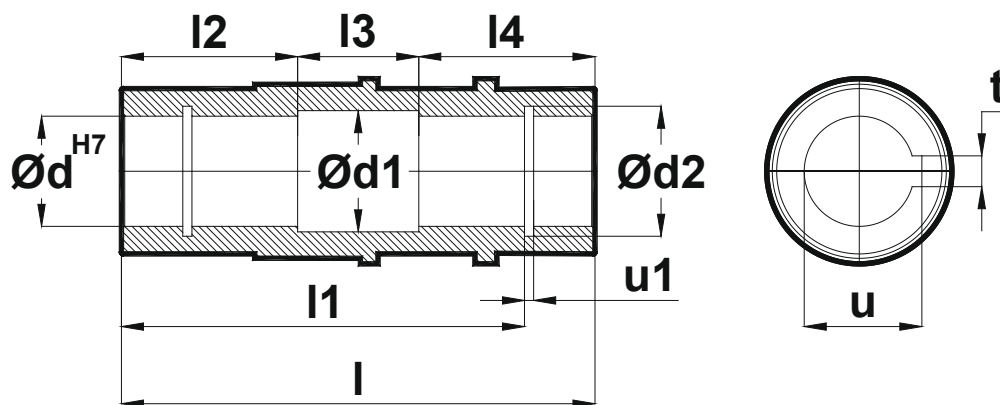
**x: Motor Ayak bağlantı yüzeyinin altında ise**  
**x: If Motor is lower than foot mounting plane**  
**x: Wenn der Motor unter der Fußmontageebene ist**

|                 | 63/B5    | 71/B5<br>71/B14 | 80/B5<br>80/B14 | 90S/B5<br>90S/B14 | 90L/B5<br>90L/B14 | 100L/B5<br>100L/B14 | 112M/B5<br>112M/B14 |
|-----------------|----------|-----------------|-----------------|-------------------|-------------------|---------------------|---------------------|
| <b>k</b>        | 498.5    | 487.5           | 539.5           | 580.5             | 580.5             | 609                 | 629.5               |
| <b>k1</b>       | 559.5    | 578.5           | 632.5           | 684               | 684               | 717.5               | 734                 |
| <b>n / n1</b>   | 121 / 97 | 137 / 112       | 155 / 121       | 176 / 132         | 176 / 132         | 193 / 147           | 215 / 158           |
| <b>m1 (B5)</b>  | 140      | 160             | 200             | 200               | 200               | 250                 | 250                 |
| <b>m1 (B14)</b> | -        | 105             | 120             | 140               | 140               | 160                 | 160                 |
| <b>x</b>        | -        | -               | -               | -                 | -                 | 0,5                 | 0,5                 |

Dimension "k1" is for motors with brake.  
 Maße "k1" ist für Bremsenmotoren.

Technische Änderungen unter Vorbehalt. / Technical changes under reserve.

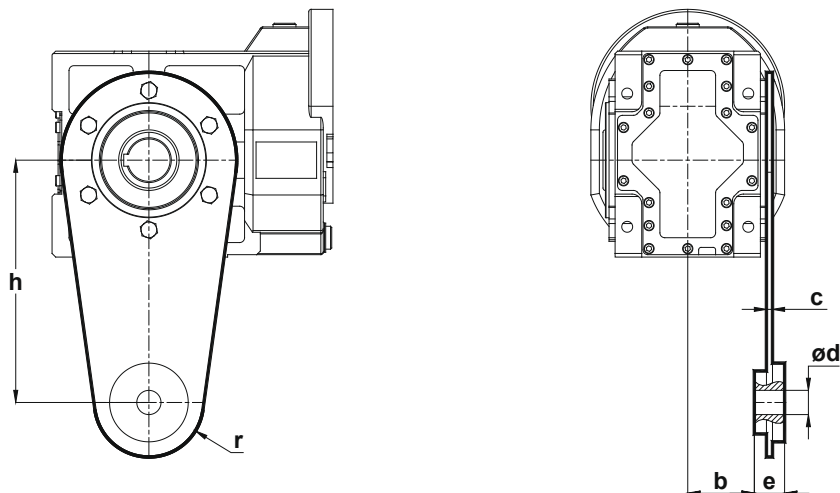
# Hohlwellenabmessungen / Hollow Shaft Dimensions



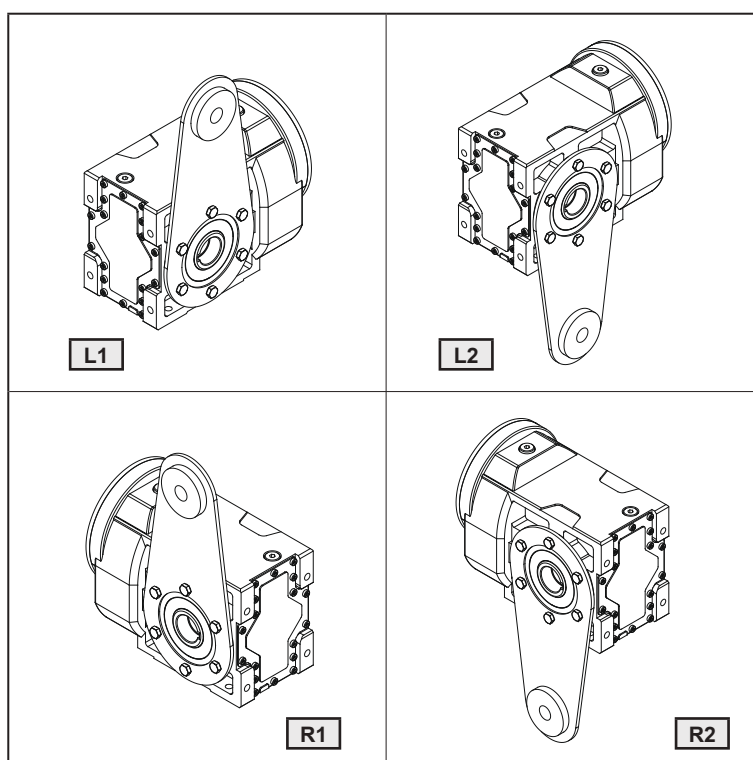
| Tip<br>Type<br>Typ | d   | d1  | d2   | l   | l1  | l2  | l3  | l4  | u1   | t  | u     |
|--------------------|-----|-----|------|-----|-----|-----|-----|-----|------|----|-------|
| K.00..             | 20  | 21  | 21   | 115 | 100 | 40  | 35  | 40  | 1.1  | 6  | 22.8  |
| K.10..             | 30  | 31  | 31.4 | 120 | 105 | 45  | 30  | 45  | 1.3  | 8  | 33.3  |
| K.20..             | 35  | 36  | 36.4 | 140 | 120 | 55  | 30  | 55  | 1.6  | 8  | 38.3  |
| K.27..             | 35  | 36  | 37   | 157 | 132 | 60  | 37  | 60  | 1.6  | 10 | 38.3  |
| K.28..             | 40  | 41  | 42.5 | 166 | 142 | 64  | 38  | 64  | 1.85 | 12 | 43.3  |
| K.37..             | 40  | 41  | 42.5 | 185 | 156 | 70  | 45  | 70  | 1.85 | 12 | 43.3  |
| K.47..             | 50  | 51  | 53   | 215 | 183 | 82  | 51  | 82  | 2.15 | 14 | 53.8  |
| K.57..             | 60  | 61  | 63   | 246 | 210 | 96  | 54  | 96  | 2.15 | 18 | 64.4  |
| K.67..             | 70  | 71  | 73   | 308 | 270 | 110 | 88  | 110 | 2.65 | 20 | 74.9  |
| K.77..             | 90  | 91  | 93.5 | 363 | 313 | 135 | 93  | 135 | 3.15 | 25 | 95.4  |
| K.87..             | 110 | 111 | 114  | 428 | 373 | 160 | 108 | 160 | 4.15 | 28 | 116.4 |

# Drehmomentstützen / Torque Arms

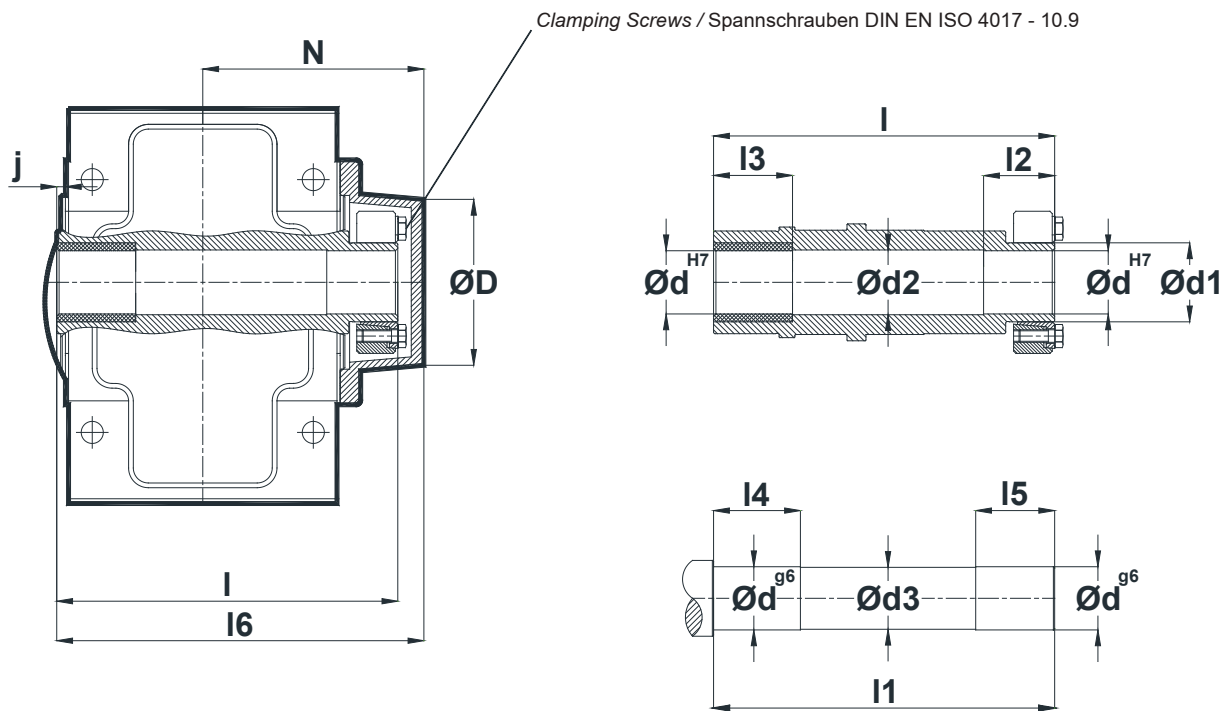
K.00.. - K.20.. TORQUE ARM ASSEMBLY DETAILS  
K.00.. - K.20.. DREHMOMENTSTÜTZE MONTAGEZEICHNUNGEN



| Tip    | b    | e  | d  | r  | h   | c |
|--------|------|----|----|----|-----|---|
| K.00.. | 47   | 16 | 10 | 32 | 100 | 3 |
| K.10.. | 49.5 | 16 | 10 | 36 | 150 | 3 |
| K.20.. | 54.5 | 25 | 20 | 45 | 200 | 5 |



# Hohlwelle mit Schrumpfscheibe / Hollow Shaft with Shrink Disc Connector



Desired surface roughness value:  $R_z \leq 16 \mu\text{m}$   
Gewünschtes Oberflächenrauheitswert:  $R_z \leq 16 \mu\text{m}$

|                  | ØD  | Ød  | Ød1 | Ød2 | Ød3 | I   | I1  | I2   | I3   | I4   | I5   | I6    | N     | j   | M x z    | Ta [Nm] |
|------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-------|-------|-----|----------|---------|
| <b>K..00..0S</b> | 69  | 20  | 24  | 21  | 19  | 137 | 140 | 27   | 20   | 25   | 35   | 147   | 89.5  | 4   | M5 x 6   | 4       |
| <b>K..10..0S</b> | 88  | 30  | 36  | 31  | 29  | 147 | 150 | 32   | 22   | 27   | 40   | 161   | 101   | 4   | M6 x 5   | 12      |
| <b>K..20..0S</b> | 94  | 35  | 44  | 36  | 34  | 170 | 173 | 35   | 25   | 30   | 43   | 183   | 113   | 5   | M6 x 7   | 12      |
| <b>K..27..0S</b> | 98  | 35  | 44  | 36  | 34  | 186 | 189 | 35   | 40   | 45   | 43   | 201   | 122.5 | 4.5 | M6 x 7   | 12      |
| <b>K..28.0S</b>  | 106 | 40  | 50  | 41  | 39  | 197 | 200 | 35   | 30   | 35   | 43   | 214   | 131   | 5   | M6 x 8   | 12      |
| <b>K..37..0S</b> | 106 | 40  | 50  | 41  | 39  | 214 | 219 | 35   | 40   | 45   | 43   | 233   | 140.5 | 5.5 | M6 x 8   | 12      |
| <b>K..47..0S</b> | 129 | 50  | 62  | 51  | 49  | 249 | 252 | 47,5 | 52,5 | 57,5 | 55,5 | 236.5 | 156   | 5.5 | M6 x 10  | 12      |
| <b>K..57..0S</b> | 164 | 60  | 75  | 61  | 59  | 282 | 285 | 55   | 60   | 65   | 63   | 302.5 | 179.5 | 5.5 | M8 x 7   | 30      |
| <b>K..67..0S</b> | 164 | 70  | 80  | 71  | 69  | 344 | 348 | 60   | 65   | 70   | 68   | 364   | 210   | 6   | M8 x 7   | 30      |
| <b>K..77..0S</b> | 219 | 90  | 110 | 91  | 79  | 418 | 421 | 80   | 80   | 90   | 93   | 438.5 | 257   | 7.5 | M10 x 9  | 59      |
| <b>K..87..0S</b> | 260 | 110 | 140 | 111 | 109 | 492 | 495 | 85   | 90   | 100  | 98   | 517   | 303   | 9   | M12 x 10 | 100     |