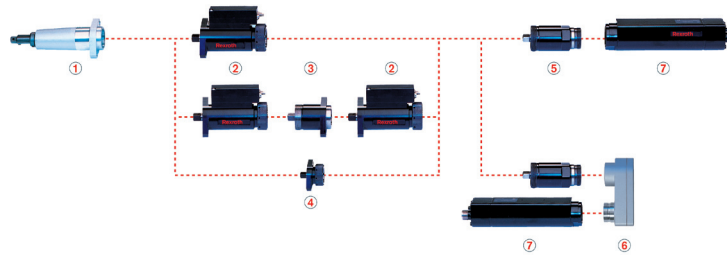


Spindle Bearing
48 - 500 Nm
Size 4

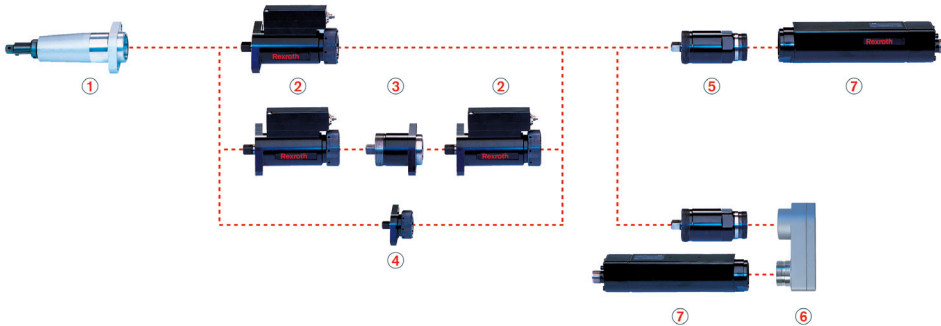


Spindle Bearing

48 - 500 Nm ■ Size 4

Documentation

- outputs
- Tightening spindles
- Gearboxes
- EC motor



Benefits:

- Various lengths with axial compensator
- Standard tool mounts
- Maximum efficiency
- Easy assembly due to flange connection
- Maintenance-free for 1 million full load cycles

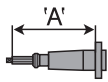
Technical data

| Tightening spindle | | Spindle bearing | | | | Tightening spindles | | PC-based | | Tightening spindles | |
|--------------------|-------|-----------------|--------------------------------|------|------------|---------------------|------------|----------|------------|---------------------|------------|
| | | Range of spring | Tool mount | Code | Order no. | Code | Order no. | Code | Order no. | Code | Order no. |
| [Nm] | [l/m] | [mm] | | | | | | | | | |
| 50 - 150 | 515 | 80 | 3/4" square with centering pin | | 0608800079 | 5DMC530 | 0608820116 | 5GE19 | 0608720058 | EC305 | 0608701019 |
| | | 80 | 3/4" square with centering pin | | 0608800081 | | | | | | |
| | | 80 | 3/4" square with centering pin | | 0608800084 | | | | | | |
| 50 - 500 | 145 | 80 | 3/4" square with centering pin | | 0608800079 | | | | | | |
| | | 80 | 3/4" square with centering pin | | 0608800081 | | | | | | |
| | | 80 | 3/4" square with centering pin | | 0608800084 | | | | | | |

| Side-by-side arrangement of tightening spindles (center-to-center distance) | | | | | | |
|-----------------------------------------------------------------------------|-------------------------------|--------------------------------------------------|----|-----|-----|-----|
| | Number of tightening spindles | 2 | 3 | 4 | 5 | 6 |
| | | Smallest circle diameter Ø d _{min} [mm] | 87 | 113 | 150 | 158 |

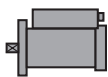
Accuracy is limited if operating below the working range.

Spindle Bearing

48 - 500 Nm ■ Size 4**Components****1) Spindle Bearing**

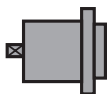
| | | | | |
|---------------------|------|------|--------|--------|
| Code | | | | |
| Order no. | | | | |
| Maximum torque | [Nm] | 500 | | |
| Reduction | | 1 | | |
| Avg. efficiency | | 1 | | |
| Length A | [mm] | 284 | 353 | 421 |
| Installation Length | [mm] | 302 | 371 | 439 |
| Weight | [kg] | 3 kg | 3,5 kg | 4.5 kg |

- You can configure your tightening spindle with a redundant measurement transducer from the same type. Connect both measurement transducers with the 2AR adapter.

2) Tightening spindles

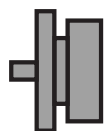
| | | | | |
|---------------------|------|------------|--|--|
| Code | | 5DMC530 | | |
| Order no. | | 0608820116 | | |
| Nominal torque | [Nm] | 530 | | |
| Reduction | | 1 | | |
| Avg. efficiency | | 1 | | |
| Installation Length | [mm] | 125.5 | | |
| Weight | [kg] | 3.7 kg | | |

- You can configure your tightening spindle with a redundant measurement transducer from the same type. Connect both measurement transducers with the 2AR adapter.

3) Redundant adapter

| | | | | |
|---------------------|------|------------|--|--|
| Code | | 5AR | | |
| Order no. | | 0608810023 | | |
| Reduction | | 1 | | |
| Avg. efficiency | | 1 | | |
| Installation Length | [mm] | 108 | | |
| Weight | [kg] | 2.4 kg | | |

- When configuring with a redundant measurement transducer, the 2AR adapter connects both measurement transducers.

4) Adapter

| | | | | |
|---------------------|------|------------|--|--|
| Code | | 5A | | |
| Order no. | | 0608810027 | | |
| Reduction | | 1 | | |
| Avg. efficiency | | 1 | | |
| Installation Length | [mm] | 48.5 | | |
| Weight | [kg] | 2.2 kg | | |

- When configuring without a measurement transducer, the 2A adapter connects the output drive and the planetary gearbox.

Spindle Bearing

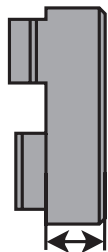
48 - 500 Nm ■ Size 4

5) Planetary gearbox



| | | | |
|---------------------|------|------------|------------|
| Code | | 5GE19 | 5GE68 |
| Order no. | | 0608720058 | 0608720041 |
| Reduction | | 19.3 | 67.9 |
| Avg. efficiency | | 0.93 | 0.9 |
| Installation Length | [mm] | 154 | 188 |
| Weight | [kg] | 2.9 kg | 3.7 kg |

6) Transverse gearbox



| | | |
|---------------------|------|------------|
| Code | | 5ULG |
| Order no. | | 0608PE0023 |
| Reduction | | 1 |
| Avg. efficiency | | 0.9 |
| Installation Length | [mm] | 63.8 |
| Weight | [kg] | 3.2 kg |

• The 2ULG transverse gearbox shortens the length of your tightening spindle by the installation length of the EC motor plus the installation length of the transverse gearbox.

7) EC motor



| | | |
|---------------------|------|------------|
| Code | | EC305 |
| Order no. | | 0608701019 |
| Installation Length | [mm] | 337 |
| Weight | [kg] | 6,4 kg |

Accessories

Tightening spindle with spindle bearing, offset output drive or angle head



| BG | (A) | |
|------|-------|------------|
| | Code | Order no. |
| BG 5 | ML061 | 0608830223 |

Tightening spindle with spindle bearing, offset output drive or angle head and redundant measurement transducer



| BG | (A) | | (B) | |
|------|-------|------------|--------|------------|
| | Code | Order no. | Code | Order no. |
| BG 5 | ML061 | 0608830223 | MLR040 | 0608830175 |

Tightening spindle with transverse gearbox



| BG | (A) | |
|------|-------|------------|
| | Code | Order no. |
| BG 5 | ML061 | 0608830223 |


Spindle Bearing

48 - 500 Nm ■ Size 4**Tightening spindle with transverse gearbox and redundant measurement transducer**


| BG | (A) | | (B) | |
|------|-------|------------|--------|------------|
| | Code | Order no. | Code | Order no. |
| BG 5 | ML061 | 0608830223 | MLR040 | 0608830175 |

Connection cable straight – angle

| Length A [mm] | Code | Order no. |
|------------------|-------|------------|
| 3 | SL003 | 0608830176 |
| 5 | SL005 | 0608830177 |
| 7 | SL007 | 0608830190 |
| 10 | SL010 | 0608830178 |
| 15 | SL015 | 0608830179 |
| 20 | SL020 | 0608830180 |
| 0 | SLF* | 3608872160 |

Connection cable angle – angle


| Length A [mm] | Code | Order no. |
|------------------|--------|------------|
| 3 | SLW003 | 0608830227 |
| 5 | SLW005 | 0608830230 |
| 7 | SLW007 | 0608830232 |
| 10 | SLW010 | 0608830242 |
| 0 | SLWF* | 3608872170 |

Tightening spindle extension cable straight– straight


| Length A [mm] | Code | Order no. |
|------------------|-------|------------|
| 3 | SV003 | 0608830188 |
| 5 | SV005 | 0608830189 |
| 7 | SV007 | 0608830247 |
| 10 | SV010 | 0608830181 |
| 15 | SV015 | 0608830182 |
| 20 | SV020 | 0608830183 |
| 0 | SVF* | 3608872180 |

Spindle Bearing

48 - 500 Nm ■ Size 4**Tightening spindle extension cable angle –straight**

| Length A [mm] | Code | Order no. |
|------------------|--------|------------|
| 3 | SVW003 | 0608830243 |
| 5 | SVW005 | 0608830244 |
| 7 | SVW007 | 0608830245 |
| 10 | SVW010 | 0608830246 |
| 0 | SVWF* | 3608872190 |

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