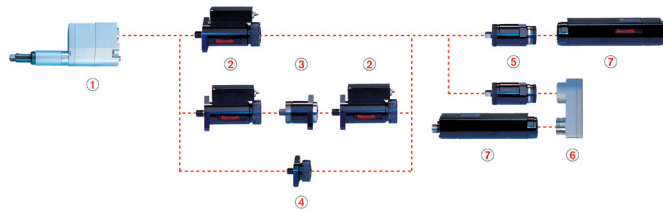
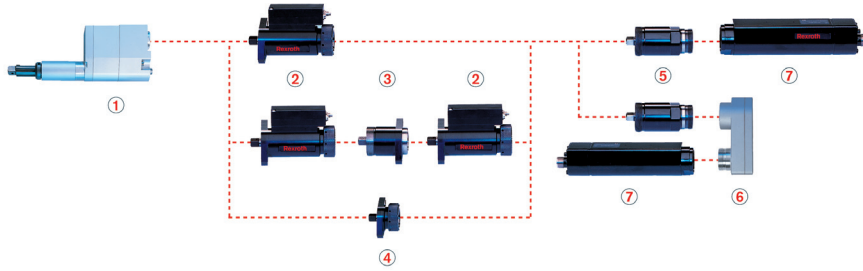


Offset Output Drive
6 - 340 Nm
Size 4



Offset Output Drive

6 - 340 Nm ■ Size 4



| Documentation |
|-----------------------|
| • outputs |
| • Tightening spindles |
| • Gearboxes |
| • EC motor |

Benefits:

- For tight hole templates
- Standard tool mounts
- Easy assembly due to flange connection
- Maintenance-free for 1 million full load cycles

Technical data


Offset Output Drive

6 - 340 Nm ■ Size 4

| Tightening spindle | | Offset Output Drive | | | | 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] | | | | | | | | | |
| 6 - 51 | 1000 | 50 | 1/2" square | | 0608800632 | 4DMC060 | 0608820114 | 4GE19 | 0608720056 | EC304 | 0608701018 |
| | | 50 | 1/2" square | | 0608800633 | | | | | | |
| | | 50 | 1/4" change chuck | | 0608800634 | | | | | | |
| | | 50 | 1/4" change chuck | | 0608800635 | | | | | | |
| | | 50 | 1/2" square with centering pin | | 0608800636 | | | | | | |
| | | 50 | 1/2" square with centering pin | | 0608800637 | | | | | | |
| | | 50 | 1/2" square | VNL2A | 0608800639 | | | | | | |
| | | 50 | 1/2" square with centering pin | VNL2C | 0608800643 | | | | | | |
| | 340 | 50 | 1/2" square with centering pin | VNL2C | 0608800643 | | | | | | |
| | | 50 | 1/2" square | | 0608800632 | | | | | | |
| | | 50 | 1/2" square | | 0608800633 | | | | | | |
| | | 50 | 1/4" change chuck | | 0608800634 | | | | | | |
| | | 50 | 1/4" change chuck | | 0608800635 | | | | | | |
| | | 50 | 1/2" square with centering pin | | 0608800636 | | | | | | |
| 8 - 75 | 740 | 50 | 3/4" square | | 0608PE0588 | 4GE19 | 0608720056 | | | | |
| | 240 | 50 | 3/4" square | | 0608PE0588 | 4GE59 | 0608720040 | | | | |
| 13 - 120 | 410 | 50 | 3/4" square | | 0608800644 | 4GE19 | 0608720056 | | | | |
| | | 50 | 3/4" square | | 0608800645 | | | | | | |
| 13 - 130 | 135 | 50 | 3/4" square | | 0608800644 | | | | | | |
| | | 50 | 3/4" square | | 0608800645 | | | | | | |
| | | 50 | 3/4" square | | 0608800644 | | | | | | |
| 15 - 136 | 340 | 50 | 1/2" square | | 0608800632 | 4DMC160 | 0608820115 | 4GE59 | 0608720040 | | |
| | | 50 | 1/2" square | | 0608800633 | | | | | | |
| | | 50 | 1/4" change chuck | | 0608800634 | | | | | | |
| | | 50 | 1/4" change chuck | | 0608800635 | | | | | | |
| | | 50 | 1/2" square with centering pin | | 0608800636 | | | | | | |
| | | 50 | 1/2" square with centering pin | | 0608800637 | | | | | | |
| | | 50 | 1/2" square | VNL2A | 0608800639 | | | | | | |
| | | 50 | 1/2" square with centering pin | VNL2C | 0608800643 | | | | | | |
| 20 - 200 | 240 | 50 | 3/4" square | | 0608PE0588 | | | | | | |
| 35 - 340 | 135 | 50 | 3/4" square | | 0608800645 | | | | | | |

Offset Output Drive

6 - 340 Nm ■ Size 4

| Side-by-side arrangement of tightening spindles (center-to-center distance) | | | | | | |
|--|--------------------------------------|-------|----|----|----|----|
|  | Number of tightening spindles | | 2 | 3 | 4 | 5 |
| | Smallest circle diameter Ø dmin [mm] | VN... | 44 | 51 | 63 | 75 |
| | | VU... | 57 | 66 | 81 | 97 |

*) Accuracy is limited if operating below the working range.

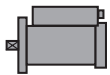
Components

1) Offset Output Drive



| | | | | | | | | | | | |
|---------------------|------|--------|------|--|--------|--------|--------|--------|--|--|--|
| Code | | | | | | | | | | | |
| Order no. | | | | | | | | | | | |
| Maximum torque | [Nm] | 150 | | | | 200 | | 340 | | | |
| Reduction | | 1 | | | | 1.46 | 2.59 | 2.56 | | | |
| Avg. efficiency | | 0.91 | | | | 0.92 | | | | | |
| Length A | [mm] | 181 | 251 | | 320 | 242 | 186 | 290 | | | |
| Installation Length | [mm] | 309 | 379 | | 448 | 370 | 354 | 458 | | | |
| Weight | [kg] | 3.4 kg | 4 kg | | 4.5 kg | 5,8 kg | 7.5 kg | 8.5 kg | | | |

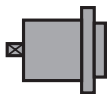
2) Tightening spindles



| | | | |
|---------------------|------|---------|---------|
| Code | | 4DMC060 | 4DMC160 |
| Order no. | | | |
| Nominal torque | [Nm] | 60 | 160 |
| Reduction | | 1 | |
| Avg. efficiency | | 1 | |
| Installation Length | [mm] | 122 | |
| Weight | [kg] | 1.6 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 | | 4AR |
| Order no. | | 0608810022 |
| Reduction | | 1 |
| Avg. efficiency | | 1 |
| Installation Length | [mm] | 65 |
| Weight | [kg] | 0,8 kg |

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

4) Adapter

Offset Output Drive

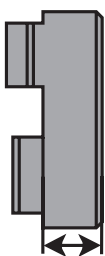
6 - 340 Nm ■ Size 4

| | | |
|---------------------|------------|--------|
| Code | 4A | |
| Order no. | 0608810026 | |
| Reduction | 1 | |
| Avg. efficiency | 1 | |
| Installation Length | [mm] | 26.5 |
| Weight | [kg] | 0.4 kg |

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

5) Planetary gearbox

| | | | |
|---------------------|------------|--------|------------|
| Code | 4GE19 | | 4GE59 |
| Order no. | 0608720056 | | 0608720040 |
| Reduction | 19.3 | | 58.6 |
| Avg. efficiency | 0.9 | | 0.85 |
| Installation Length | [mm] | 82.9 | 105.5 |
| Weight | [kg] | 0.7 kg | 1,1 kg |

6) Transverse gearbox

| | | |
|---------------------|------------|--------|
| Code | 4ULG | |
| Order no. | 0608PE0024 | |
| Reduction | 1 | |
| Avg. efficiency | 0.9 | |
| Installation Length | [mm] | 41.3 |
| Weight | [kg] | 1,4 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 | EC304 | |
| Order no. | 0608701018 | |
| Installation Length | [mm] | 269 |
| Weight | [kg] | 2.7 kg |

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

| BG | (A) | |
|------|-------|------------|
| | Code | Order no. |
| BG 4 | ML046 | 0608830222 |

Offset Output Drive

6 - 340 Nm ■ Size 4**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 4 | ML046 | 0608830222 | MLR033 | 0608830174 |

Tightening spindle with transverse gearbox

| BG | (A) | |
|------|-------|------------|
| | Code | Order no. |
| BG 4 | ML046 | 0608830222 |

Tightening spindle with transverse gearbox and redundant measurement transducer

| BG | (A) | | (B) | |
|------|-------|------------|--------|------------|
| | Code | Order no. | Code | Order no. |
| BG 4 | ML046 | 0608830222 | MLR033 | 0608830174 |

Connection cable straight – angle

| Length A | Code | Order no. |
|----------|-------|------------|
| [mm] | | |
| 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

Offset Output Drive

6 - 340 Nm ■ Size 4

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

Tightening spindle extension cable straight– straight

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

Tightening spindle extension cable angle –straight

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

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