



- Adaptable to various motors, standard option:
NEMA17 / 23 / 23XL stepper motor
- INI kit for zero position optionally adaptable

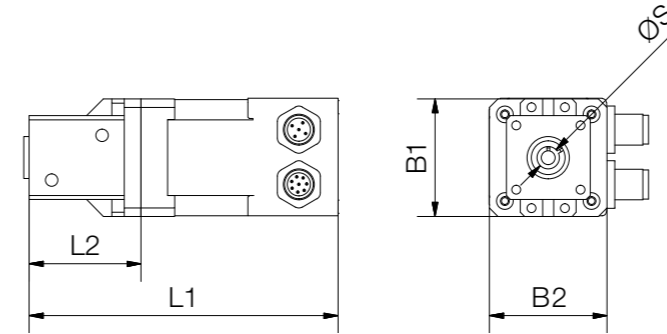
Motor kit

| Motor type | Distance over hubs [mm] | Versions |
|--------------------------|----------------------------|--|
| igus® stepper motor | | |
| NEMA17, NEMA23, NEMA23XL | 42, 56, 60 | -00: with strand wires -01: with stepper motor without encoder -02: with motor encoder -NM: version without motor |

Technical data

| Joint | Installation size 20 | | Installation size 30 | | Installation size 50 | |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | RL-D-20-101-38-xxxxx | RL-D-30-101-50-xxxxx | RL-D-30-101-50-xxxxx | RL-D-50-101-48-xxxxx | RL-D-50-101-48-xxxxx | RL-D-50-101-48-xxxxx |
| Motor | + NEMA17 | | + NEMA17 | + NEMA23 | + NEMA23 | + NEMA23XL |
| Motor type | Stepper motor | | | | | |
| Weight (with standard joint) | [g] | 890 | 1.1140 | 1,860 | 2,540 | 2,970 |
| Max. radial torque strength (short-term) | [Nm] | 5 | 6 | 12 | 21 | 38 |
| Max. radial torque strength (long-term) | [Nm] | 4 | 5 | 8 | 18 | 33 |
| Max. speed (at max. load) | [rpm] | 5 | 4 | 4 | 4 | 4 |
| Max. axial dynamic load (horizontal installation) | [N] | > 500 | > 700 | > 700 | > 1,200 | > 1,200 |

Delivery time
2-3 days



Dimensions [mm]

| Part No. | ØS | L1 | L2 | B1 | B2 |
|-----------------------|----|-------|----|------|------|
| NEMA17 | | | | | |
| RL-D-20-MK-C-N17-00 | 8 | 99.4 | 40 | 42.0 | 42.0 |
| RL-D-20-MK-C-N17-01 | 8 | 110.4 | 40 | 42.0 | 42.0 |
| RL-D-20-MK-C-N17-02 | 8 | 110.4 | 40 | 42.0 | 42.0 |
| RL-D-20-MK-C-N17-NM | 8 | - | 40 | 42.0 | 42.0 |
| RL-D-30-MK-C-N17-00 | 10 | 99.4 | 40 | 42.0 | 42.0 |
| RL-D-30-MK-C-N17-01 | 10 | 110.4 | 40 | 42.0 | 42.0 |
| RL-D-30-MK-C-N17-02 | 10 | 110.4 | 40 | 42.0 | 42.0 |
| RL-D-30-MK-C-N17-NM | 10 | - | 40 | 42.0 | 42.0 |
| NEMA23 | | | | | |
| RL-D-30-MK-C-N23-00 | 10 | 118 | 42 | 56.4 | 56.4 |
| RL-D-30-MK-C-N23-01 | 10 | 140 | 42 | 56.4 | 56.4 |
| RL-D-30-MK-C-N23-02 | 10 | 140 | 42 | 56.4 | 56.4 |
| RL-D-30-MK-C-N23-NM | 10 | - | 42 | 56.4 | 56.4 |
| RL-D-50-MK-C-N23-00 | 15 | 124 | 48 | 60.0 | 60.0 |
| RL-D-50-MK-C-N23-01 | 15 | 146 | 48 | 60.0 | 60.0 |
| RL-D-50-MK-C-N23-02 | 15 | 146 | 48 | 60.0 | 60.0 |
| RL-D-50-MK-C-N23-NM | 15 | - | 48 | 60.0 | 60.0 |
| NEMA23XL | | | | | |
| RL-D-50-MK-C-N23XL-00 | 15 | 136.5 | 48 | 60.0 | 60.0 |
| RL-D-50-MK-C-N23XL-01 | 15 | 158.5 | 48 | 60.0 | 60.0 |
| RL-D-50-MK-C-N23XL-02 | 15 | 158.5 | 48 | 60.0 | 60.0 |
| RL-D-50-MK-C-N23XL-NM | 15 | - | 48 | 60.0 | 60.0 |

RL-D-MONT-MOT-01

Motor assembly