

NXT-D-050 PLANETARY GEARBOX

Inline direct drive gearbox

NXT-D-050-1-3

- 50mm diameter, high efficiency
- Very high torsional stiffness
- Low std backlash with tighter tolerance option
- Nominal torque up to 12Nm
- Ratios 3:1 to 81:1



PRODUCT DESCRIPTION

NXT D series range offers coaxial planetary gearboxes in 4 sizes with high torsional rigidity and standard keyway output shaft.

- Gear ratios from 3:1 (single stage) to 100:1 (two stage)
- Nominal torque handling from 8-110Nm
- Torsional rigidity between 0.7-22Nm/arcmin

Two backlash tolerances are available in each configuration depending on application requirements.

NXT range also includes right-angle and toothed pulley-drive output options, IP65 is standard

TECHNICAL DATA

| | |
|-------------------------------|------------------------|
| Axial load max | 450 N |
| Efficiency | 96 % |
| Emergency brake torque | 25 Nm |
| Input speed | 3500 rpm |
| IP class | IP65 |
| Max backlash | 8 arcmin |
| Max radial load | 500 N |
| Max. input speed | 6000 rpm |
| Moment of inertia | 0.09 kgcm ² |
| Noise level | 70 dB |
| Nominal torque | 8 Nm |
| Reduction ratio | 3 |
| Starting torque | 14 Nm |
| Stiffness | 0,8 Nm/arcmin |

Weight

0,8 kg