

NXT-D-050 PLANETARY GEARBOX

Inline direct drive gearbox

NXT-D-050-1-4

- 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	28
Input speed	4000 rpm
IP class	IP65
Max backlash	8 arcmin
Max radial load	500 N
Max. input speed	6000 rpm
Moment of inertia	0.08
Noise level	70 dB
Nominal torque	10
Reduction ratio	4
Starting torque	17
Stiffness	0.9 Nm/arcmin

Weight

0.8 kg