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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

1651_Moment of inertia (kg/cm²)	0.09
Axial load max	450 N
Efficiency	96 %
Emergency brake torque	25
Input speed	3500 rpm
IP class	IP65
Max backlash	8 arcmin
Max radial load	500 N
Max. input speed	6000 rpm
Noise level	70 dB
Nominal torque	8
Reduction ratio	3
Starting torque	14
Stiffness	0.8 Nm/arcmin
Weight	0.8 kg