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NXT-D-090 PLANETARY GEARBOX

Inline direct drive gearbox

NXT-D-090-1-4



- 90mm diameter, high efficiency
- Very high torsional stiffness
- Low std backlash with tighter tolerance option
- Nominal torque up to 42Nm
- Ratios 3:1 to 100:1

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)	1.48
Axial load max	1900 N
Efficiency	96 %
Emergency brake torque	180
Input speed	3400 rpm
IP class	IP65
Max backlash	8 arcmin
Max radial load	2350 N
Max. input speed	6000 rpm
Noise level	70 dB
Nominal torque	42
Reduction ratio	4
Starting torque	90
Stiffness	7.5 Nm/arcmin
Weight	3.8 kg