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NXT-P-090 PLANETARY GEARBOX

Inline pulley drive gearbox

NXT-P-090-2-16



- 90mm diameter, high efficiency
- Toothed pulley output shaft
- Low std backlash with tighter tolerance option
- Nominal torque up to 42Nm
- Ratios 3:1 to 100:1

PRODUCT DESCRIPTION

NXT P series range offers coaxial planetary gearboxes in 3 sizes with high torsional rigidity and toothed-pulley output shaft.

• Gear ratios from 3:1 (single stage) to 100:1 (two stage)
• Nominal torque handling from 16.5-110Nm
• Torsional rigidity between 2.8-22Nm/arcmin

Two backlash tolerances are available in each configuration depending on application requirements.
NXT range also includes in-line and right-angle output options with keyway shaft, IP65 is standard.

TECHNICAL DATA

1651_Moment of inertia (kg/cm²)	1.51
Axial load max	1900 N
Efficiency	94 %
Emergency brake torque	180
Input speed	3400 rpm
IP class	IP65
Max backlash	8 arcmin
Max radial load	4500 N
Max. input speed	6000 rpm
Noise level	70 dB
Nominal torque	42
Reduction ratio	16
Starting torque	90
Stiffness	12.5 Nm/arcmin
Weight	4.7 kg