

NXT-P-090 PLANETARY GEARBOX

Inline pulley drive gearbox

NXT-P-090-1-7

- 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

Axial load max	1900 N
Efficiency	96 %
Emergency brake torque	180 Nm
Input speed	3400 rpm
IP class	IP65
Max backlash	6 arcmin
Max radial load	4500 N
Max. input speed	6000 rpm
Moment of inertia	1.32 kgcm ²
Noise level	70 dB
Nominal torque	42 Nm
Reduction ratio	7
Starting torque	90 Nm
Stiffness	12,5 Nm/arcmin

Weight

3,8 kg