

NXT-P-070 PLANETARY GEARBOX

Inline pulley drive gearbox

NXT-P-070-1-3

- 70mm diameter, high efficiency
- Toothed pulley output shaft
- Low std backlash with tighter tolerance option
- Nominal torque up to 20Nm
- 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 | 1500 N |
| Efficiency | 96 % |
| Emergency brake torque | 60 Nm |
| Input speed | 3500 rpm |
| IP class | IP65 |
| Max backlash | 6 arcmin |
| Max radial load | 3000 N |
| Max. input speed | 6000 rpm |
| Moment of inertia | 0.32 kgcm ² |
| Noise level | 70 dB |
| Nominal torque | 16,5 Nm |
| Reduction ratio | 3 |
| Starting torque | 30 Nm |
| Stiffness | 3,5 Nm/arcmin |

Weight

1,75 kg