

## 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

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

**Weight**

3,8 kg