

## NXT-D-120 PLANETARY GEARBOX

Inline direct drive gearbox

NXT-D-120-1-3

- 120mm diameter, high efficiency
- Very high torsional stiffness
- Low std backlash with tighter tolerance option
- Nominal torque up to 110Nm
- 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

<b>Axial load max</b>	3800 N
<b>Efficiency</b>	96 %
<b>Emergency brake torque</b>	350 Nm
<b>Input speed</b>	2600 rpm
<b>IP class</b>	IP65
<b>Max backlash</b>	8 arcmin
<b>Max radial load</b>	4500 N
<b>Max. input speed</b>	5000 rpm
<b>Moment of inertia</b>	6.9 kgcm <sup>2</sup>
<b>Noise level</b>	72 dB
<b>Nominal torque</b>	95 Nm
<b>Reduction ratio</b>	3
<b>Starting torque</b>	190 Nm
<b>Stiffness</b>	20 Nm/arcmin

**Weight**

8 kg