

## NXT-D-050 PLANETARY GEARBOX

Inline direct drive gearbox

NXT-D-050-1-3

- 50mm diameter, high efficiency
- Very high torsional stiffness
- Low std backlash with tighter tolerance option
- Nominal torque up to 12Nm
- Ratios 3:1 to 81:1



### 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>	450 N
<b>Efficiency</b>	96 %
<b>Emergency brake torque</b>	25 Nm
<b>Input speed</b>	3500 rpm
<b>IP class</b>	IP65
<b>Max backlash</b>	8 arcmin
<b>Max radial load</b>	500 N
<b>Max. input speed</b>	6000 rpm
<b>Moment of inertia</b>	0.09 kgcm <sup>2</sup>
<b>Noise level</b>	70 dB
<b>Nominal torque</b>	8 Nm
<b>Reduction ratio</b>	3
<b>Starting torque</b>	14 Nm
<b>Stiffness</b>	0,8 Nm/arcmin

**Weight**

0,8 kg