

## NXR-080 PLANETARY GEARBOX

High torque transmission version

NXR-080-2-36

- 80mm diameter, modular design, customisable
- Very high torsional stiffness
- Low std backlash with tighter tolerance option
- Nominal torque up to 65Nm
- Ratios 3:1 to 100:1



### PRODUCT DESCRIPTION

NXR series offers coaxial planetary gearboxes in 3 sizes, this range provides very high torque transfer along with excellent torsional rigidity. Many aspects of this gearbox range can be customised to suit the specific requirements of the application, as standard there is 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. IP65 is standard.

### TECHNICAL DATA

<b>Axial load max</b>	3000 N
<b>Efficiency</b>	94 %
<b>Emergency brake torque</b>	180
<b>Input speed</b>	3400 rpm
<b>IP class</b>	IP65
<b>Max backlash</b>	12 arcmin
<b>Max radial load</b>	2500 N
<b>Max. input speed</b>	6000 rpm
<b>Moment of inertia</b>	1.2
<b>Noise level</b>	70 dB
<b>Nominal torque</b>	42
<b>Reduction ratio</b>	36
<b>Starting torque</b>	42
<b>Stiffness</b>	7.5 Nm/arcmin

**Weight**

4.7 kg