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NXR-080 PLANETARY GEARBOX

High torque transmission version

NXR-080-1-3



- 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

1651_Moment of inertia (kg/cm²)	1.78
Axial load max	3000 N
Efficiency	96 %
Emergency brake torque	160
Input speed	3400 rpm
IP class	IP65
Max backlash	8 arcmin
Max radial load	2500 N
Max. input speed	6000 rpm
Noise level	70 dB
Nominal torque	40
Reduction ratio	3
Starting torque	40
Stiffness	6.7 Nm/arcmin
Weight	3.8 kg