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# NXR-060 PLANETARY GEARBOX

High torque transmission version

NXR-060-1-4



- 60mm diameter, modular design, customisable
- Very high torsional stiffness
- Low std backlash with tighter tolerance option
- Nominal torque up to 40Nm
- 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)** | 0.27 |
| **Axial load max** | 700 N |
| **Efficiency** | 96 % |
| **Emergency brake torque** | 70 |
| **Input speed** | 3500 rpm |
| **IP class** | IP65 |
| **Max backlash** | 8 arcmin |
| **Max radial load** | 600 N |
| **Max. input speed** | 6000 rpm |
| **Noise level** | 70 dB |
| **Nominal torque** | 20 |
| **Reduction ratio** | 4 |
| **Starting torque** | 35 |
| **Stiffness** | 3.2 Nm/arcmin |
| **Weight** | 1.75 kg |