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# NXT-D-120 PLANETARY GEARBOX

Inline direct drive gearbox

NXT-D-120-2-20



- 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

| | |
|---|---|
| **1651_Moment of inertia (kg/cm²)** | 5.29 |
| **Axial load max** | 3800 N |
| **Efficiency** | 94 % |
| **Emergency brake torque** | 400 |
| **Input speed** | 2600 rpm |
| **IP class** | IP65 |
| **Max backlash** | 12 arcmin |
| **Max radial load** | 4500 N |
| **Max. input speed** | 5000 rpm |
| **Noise level** | 72 dB |
| **Nominal torque** | 110 |
| **Reduction ratio** | 20 |
| **Starting torque** | 210 |
| **Stiffness** | 22 Nm/arcmin |
| **Weight** | 10.5 kg |