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# NXT-A-120 SERIES

Right-angle planetary gearbox

NXT-A-120-2-50



- 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 A series range offers right-angle planetary gearboxes in 3 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 16.5-110Nm
• Torsional rigidity between 2.8-22Nm/arcmin

Two backlash tolerances are available in each configuration depending on application requirements.
NXT range also includes in-line and toothed pulley-drive output options, IP65 is standard.

## TECHNICAL DATA

| | |
|---|---|
| **1651_Moment of inertia (kg/cm²)** | 1.35 |
| **Axial load max** | 3800 N |
| **Efficiency** | 91 % |
| **Emergency brake torque** | 400 |
| **Input speed** | 2000 rpm |
| **IP class** | IP65 |
| **Max backlash** | 12 arcmin |
| **Max radial load** | 4500 N |
| **Max. input speed** | 3400 rpm |
| **Noise level** | 76 dB |
| **Nominal torque** | 110 |
| **Reduction ratio** | 50 |
| **Starting torque** | 210 |
| **Stiffness** | 22 Nm/arcmin |
| **Weight** | 12 kg |