

## NXT-D-120 PLANETARY GEARBOX

Inline direct drive gearbox

NXT-D-120-1-3

- 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/cm <sup>2</sup> ) | 6.9          |
| Axial load max                               | 3800 N       |
| Efficiency                                   | 96 %         |
| Emergency brake torque                       | 350          |
| Input speed                                  | 2600 rpm     |
| IP class                                     | IP65         |
| Max backlash                                 | 8 arcmin     |
| Max radial load                              | 4500 N       |
| Max. input speed                             | 5000 rpm     |
| Noise level                                  | 72 dB        |
| Nominal torque                               | 95           |
| Reduction ratio                              | 3            |
| Starting torque                              | 190          |
| Stiffness                                    | 20 Nm/arcmin |
| Weight                                       | 8 kg         |

