

# Product data sheet

## Characteristics

# GBX1600250702F

gearbox with straight teeth GBX- Ø 160 mm-  
reduction 25:1- < 10arcmin- 700 N.m



### Main

Range compatibility	Lexium 32
Product or component type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Gearbox external diameter	160 mm
Product compatibility	BMH0702... BSH0702...
Reduction ratio	25:1

### Complementary

Torsional backlash	< 10 arc.min
Torsional rigidity	41 N.m/arcmin
Housing colour	Black
Housing material	Black anodized aluminium
Shaft material	C 45
Additional information	Lubricated for life
Service life in hours	At 100 rpm at 30 °C
Efficiency	94 %
Maximum radial force Fr	4200 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 6000 N at 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum axial force Fa	6000 N at 100 rpm, during 30000 hour at 30°C 8000 N at 100 rpm, during 10000 hour at 30°C
Continuous output torque	700 N.m at 100 rpm at 30 °C
Maximum output torque	1120 N.m at 100 rpm at 30 °C
Product weight	22 kg

### Environment

Noise level	70 dB at 1 m, no-load
IP degree of protection	IP54 on shaft output
Ambient temperature for operation	-25...90 °C

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Contractual warranty

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Warranty period	18 months
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