

Product data sheet

Specifications



gearbox with straight teeth GBX- Ø 80 mm- reduction 8:1- < 9arcmin- 50 N.m

GBX0800081002F

⚠ Discontinued - Service only

⚠ Discontinued on: Jun 15, 2023

⚠ To be end-of-service on: Mar 31, 2028

Main

Range Compatibility	Lexium 32
Product Or Component Type	Planetary gearbox
Gear Box Type	Straight teeth
Device Short Name	GBX
Gearbox External Diameter	3.15 in (80 mm)
Product Compatibility	BSH1002... BMH1002...
Reduction Ratio	8:1

Complementary

Maximum Torsional Backlash	9 arc.min
Torsional Rigidity	6 N.m/arcmin
Housing Colour	Black
Housing Material	Black anodized aluminium
Shaft Material	C 45
Additional Information	Lubricated for life
Service Life In Hours	30000 h 100 rpm 86 °F (30 °C)
Efficiency	94 %
Maximum Radial Force Fr	650 N 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 950 N 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum Axial Force Fa	1200 N 100 rpm, during 10000 hour at 30°C 900 N 100 rpm, during 30000 hour at 30°C
Continuous Output Torque	442.54 lbf.in (50 N.m) 100 rpm 86 °F (30 °C)
Maximum Output Torque	708.06 lbf.in (80 N.m) 100 rpm 86 °F (30 °C)
Net Weight	4.63 lb(US) (2.1 kg)

Environment

Noise Level	60 dB 1 m, no-load
Ip Degree Of Protection	Shaft output IP54
Ambient Temperature For Operation	-13...194 °F (-25...90 °C)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Ordering and shipping details

Gtin	3606481123862
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Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.94 in (10.0 cm)
Package 1 Width	3.94 in (10.0 cm)
Package 1 Length	3.94 in (10.0 cm)
Package 1 Weight	5.07 lb(US) (2.3 kg)

Contractual warranty

Warranty	18 months
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