


Product data sheet

Specifications



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

GBX0800080551F

 **Discontinued on:** Mar 31, 2022

 **Discontinued**

Main

Range Compatibility	Lexium 32
Product Or Component Type	Planetary gearbox
Gear Box Type	Straight teeth
Device Short Name	GBX
Gearbox External Diameter	80 mm
Product Compatibility	BSH0551...
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 at 100 rpm at 30 °C
Efficiency	94 %
Maximum Radial Force Fr	650 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 950 N at 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum Axial Force Fa	1200 N at 100 rpm, during 10000 hour at 30°C 900 N at 100 rpm, during 30000 hour at 30°C
Continuous Output Torque	50 N.m at 100 rpm at 30 °C
Maximum Output Torque	80 N.m at 100 rpm at 30 °C
Net Weight	2.1 kg

Environment

Noise Level	60 dB at 1 m, no-load
Ip Degree Of Protection	Shaft output: IP54
Ambient Temperature For Operation	-25...90 °C

Contractual warranty

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

Warranty

18 months