Product data sheet

Specifications

gearbox with straight teeth GBX- Ø 160 mm- reduction 40:1- < 10arcmin- 700 N.m

GBX1600400554F

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	160 mm
Product Compatibility	BSH0554...
Reduction Ratio	40:1

Complementary

Maximum 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	30000 h 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
Net Weight	22 kg

Environment

Noise Level	70 dB at 1 m, no-load
Ip Degree Of Protection	Shaft output: IP54
Ambient Temperature For Operation	-25…90 °C

Packing Units

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

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Contractual warranty

Warranty	18 months