

# Product data sheet

Specifications



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

GBX1200080704F

⚠ Discontinued on: Mar 31, 2022

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## Main

Range Compatibility	Lexium 32
Product Or Component Type	Planetary gearbox
Gear Box Type	Straight teeth
Device Short Name	GBX
Gearbox External Diameter	120 mm
Product Compatibility	BSH0704...
Reduction Ratio	8:1

## Complementary

Maximum Torsional Backlash	8 arc.min
Torsional Rigidity	12 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	1500 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 2000 N at 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum Axial Force Fa	2100 N at 100 rpm, during 30000 hour at 30°C 2800 N at 100 rpm, during 10000 hour at 30°C
Continuous Output Torque	120 N.m at 100 rpm at 30 °C
Maximum Output Torque	192 N.m at 100 rpm at 30 °C
Net Weight	6 kg

## Environment

Noise Level	65 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