

# Product data sheet

Specifications



## gearbox with straight teeth GBX- Ø 160 mm- reduction 4:1- < 6arcmin- 450 N.m

GBX1600041403F

⚠ Discontinued on: Mar 31, 2023

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

⚠ Discontinued - Service only

## Main

Range Compatibility	Lexium 15 Lexium 32
Product Or Component Type	Planetary gearbox
Gear Box Type	Straight teeth
Device Short Name	GBX
Gearbox External Diameter	160 mm
Product Compatibility	BSH1403...
Reduction Ratio	4:1

## Complementary

Maximum Torsional Backlash	6 arc.min
Torsional Rigidity	38 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	96 %
Mounting Position	Any position
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
Moment Of Inertia	7.78 g.cm <sup>2</sup>
Continuous Output Torque	450 N.m at 100 rpm at 30 °C
Maximum Output Torque	720 N.m at 100 rpm at 30 °C
Net Weight	18 kg

## Environment

Noise Level	70 dB at 1 m, no-load
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<b>Ip Degree Of Protection</b>	Shaft output: IP54
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<b>Ambient Temperature For Operation</b>	-25...90 °C
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## Packing Units

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<b>Unit Type Of Package 1</b>	PCE
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<b>Number Of Units In Package 1</b>	1
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<b>Package 1 Height</b>	26.0 cm
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<b>Package 1 Width</b>	45.0 cm
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<b>Package 1 Length</b>	26.0 cm
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<b>Package 1 Weight</b>	19.0 kg
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## Contractual warranty

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<b>Warranty</b>	18 months
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