

Product data sheet

Specifications



gearbox with straight teeth GBX- Ø 80 mm- reduction 16:1- < 14arcmin- 120 N.m

GBX0800160854G

⚠ Discontinued

Main

| | |
|---------------------------|-------------------|
| Range Compatibility | Lexium 05 |
| Product Or Component Type | Planetary gearbox |
| Gear Box Type | Straight teeth |
| Device Short Name | GBX |
| Gearbox External Diameter | 80 mm |
| Product Compatibility | BRH0854 |
| Reduction Ratio | 16:1 |

Complementary

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|----------------------------|--|
| Maximum Torsional Backlash | 14 arc.min |
| Torsional Rigidity | 6.5 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 % |
| Mounting Position | Any position |
| 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 |
| Moment Of Inertia | 0.5 g.cm² |
| 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 | 2.6 kg |

Environment

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|-------------------------|-----------------------|
| Noise Level | 60 dB at 1 m, no-load |
| Ip Degree Of Protection | Shaft output: IP54 |

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

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| Ambient Temperature For Operation | -25...90 °C |
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Contractual warranty

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| Warranty | 18 months |
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