

Product data sheet

Specifications



gearbox with straight teeth GBX- Ø
120 mm- reduction 80:1- <
14arcmin- 260 N.m

GBX1200801004F

⚠ Discontinued on: Mar 31, 2022

⚠ Discontinued

Main

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|---------------------------|-------------------|
| 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 | BSH1004... |
| Reduction Ratio | 80:1 |

Complementary

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|----------------------------|--|
| Maximum Torsional Backlash | 14 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 | 260 N.m at 100 rpm at 30 °C |
| Maximum Output Torque | 416 N.m at 100 rpm at 30 °C |
| Net Weight | 10 kg |

Environment

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|-----------------------------------|-----------------------|
| Noise Level | 65 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

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

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
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