

Product datasheet

Specifications



gearbox with straight teeth GBX- Ø
160 mm- reduction 3:1- < 6arcmin-
400 N.m

GBX1600031404F

⚠ Discontinued on: 18 Apr 2024

⚠ To be end-of-service on: 18 Apr 2026

⚠ Discontinued

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 | BSH1404... |
| Reduction ratio | 3:1 |

Complementary

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | 12.14 g.cm² |
| Continuous output torque | 400 N.m at 100 rpm at 30 °C |
| Maximum output torque | 640 N.m at 100 rpm at 30 °C |
| Product weight | 18 kg |

Environment

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|-------------|-----------------------|
| Noise level | 70 dB at 1 m, no-load |
|-------------|-----------------------|

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

| | |
|-----------------------------------|--------------------|
| IP degree of protection | Shaft output: IP54 |
| ambient temperature for operation | -25...90 °C |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 26.0 cm |
| Package 1 Width | 45.0 cm |
| Package 1 Length | 26.0 cm |
| Package 1 Weight | 19.0 kg |

Contractual warranty

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