

Product data sheet

Characteristics

GBX0400200552F

gearbox with straight teeth GBX- Ø 40 mm-
reduction 20:1- < 28arcmin- 20 N.m



Main

| | |
|---------------------------|-------------------|
| Range compatibility | Lexium 32 |
| Product or component type | Planetary gearbox |
| Gear box type | Straight teeth |
| Device short name | GBX |
| Gearbox external diameter | 40 mm |
| Product compatibility | BSH0552... |
| Reduction ratio | 20:1 |

Complementary

| | |
|--------------------------|--|
| Torsional backlash | < 28 arc.min |
| Torsional rigidity | 1.1 N.m/arcmin |
| Housing colour | Black |
| Housing material | Black anodized aluminium |
| Shaft material | C 45 |
| Additional information | Lubricated for life |
| Service life in hours | At 100 rpm at 30 °C |
| Efficiency | 94 % |
| Maximum radial force Fr | 160 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 200 N at 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C |
| Maximum axial force Fa | 160 N at 100 rpm, during 30000 hour at 30°C 200 N at 100 rpm, during 10000 hour at 30°C |
| Continuous output torque | 20 N.m at 100 rpm at 30 °C |
| Maximum output torque | 32 N.m at 100 rpm at 30 °C |
| Product weight | 0.45 kg |

Environment

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|-----------------------------------|-----------------------|
| Noise level | 55 dB at 1 m, no-load |
| IP degree of protection | IP54 on shaft output |
| Ambient temperature for operation | -25...90 °C |

Contractual warranty

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