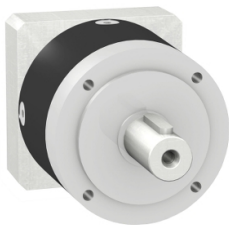


# Product data sheet

Specifications



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

GBX0400201402F

⚠ Discontinued on: Sep 20, 2022

⚠ To be end-of-service on: Mar 31, 2025

⚠ Discontinued

## Main

|                           |                          |
|---------------------------|--------------------------|
| Range Compatibility       | Lexium 32                |
| Product Or Component Type | Planetary gearbox        |
| Gear Box Type             | Straight teeth           |
| Device Short Name         | GBX                      |
| Gearbox External Diameter | 1.57 in (40 mm)          |
| Product Compatibility     | BSH1402...<br>BMH1402... |
| Reduction Ratio           | 20:1                     |

## Complementary

|                            |                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum 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      | 30000 h 100 rpm 86 °F (30 °C)                                                                                                                                                          |
| Efficiency                 | 94 %                                                                                                                                                                                   |
| Maximum Radial Force Fr    | 200 N 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C<br>160 N 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C |
| Maximum Axial Force Fa     | 200 N 100 rpm, during 10000 hour at 30°C<br>160 N 100 rpm, during 30000 hour at 30°C                                                                                                   |
| Continuous Output Torque   | 177.01 lbf.in (20 N.m) 100 rpm 86 °F (30 °C)                                                                                                                                           |
| Maximum Output Torque      | 283.22 lbf.in (32 N.m) 100 rpm 86 °F (30 °C)                                                                                                                                           |
| Net Weight                 | 0.99 lb(US) (0.45 kg)                                                                                                                                                                  |

## Environment

|                                   |                            |
|-----------------------------------|----------------------------|
| Noise Level                       | 55 dB 1 m, no-load         |
| Ip Degree Of Protection           | Shaft output IP54          |
| Ambient Temperature For Operation | -13...194 °F (-25...90 °C) |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

# Contractual warranty

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