

# Product data sheet

Specifications



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

GBX0800161404F

⚠ Discontinued on: Mar 31, 2022

⚠ Discontinued

## Main

|                           |                   |
|---------------------------|-------------------|
| Range Compatibility       | Lexium 32         |
| Product Or Component Type | Planetary gearbox |
| Gear Box Type             | Straight teeth    |
| Device Short Name         | GBX               |
| Gearbox External Diameter | 80 mm             |
| Product Compatibility     | BSH1404...        |
| Reduction Ratio           | 16:1              |

## Complementary

|                            |  |
|----------------------------|--|
| 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 %   |
| Maximum Radial Force Fr    | 650 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C<br>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<br>900 N at 100 rpm, during 30000 hour at 30°C  |
| 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

|                                   |                       |
|-----------------------------------|-----------------------|
| Noise Level                       | 60 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

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

## Contractual warranty

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