

# Product data sheet

## Characteristics

# GBX1600400702F

gearbox with straight teeth GBX- Ø 160 mm-  
reduction 40:1- < 10arcmin- 700 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 | 160 mm                   |
| Product compatibility     | BMH0702...<br>BSH0702... |
| Reduction ratio           | 40:1                     |

### Complementary

|                          |  |
|--------------------------|--|
| Torsional backlash       | < 10 arc.min   |
| Torsional rigidity       | 41 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  | 4200 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C<br>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<br>8000 N at 100 rpm, during 10000 hour at 30°C   |
| Continuous output torque | 700 N.m at 100 rpm at 30 °C  |
| Maximum output torque    | 1120 N.m at 100 rpm at 30 °C   |
| Product weight           | 22 kg  |

### Environment

|                                   |                       |
|-----------------------------------|-----------------------|
| Noise level                       | 70 dB at 1 m, no-load |
| IP degree of protection           | IP54 on shaft output  |
| Ambient temperature for operation | -25...90 °C           |

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

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