



## 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     | BSH1004...        |
| Reduction ratio           | 16:1              |

## 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  | 200 N at 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C<br>160 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C |
| Maximum axial force Fa   | 200 N at 100 rpm, during 10000 hour at 30°C<br>160 N at 100 rpm, during 30000 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

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