

Main

| | |
|---------------------------|---------------------------------------|
| Range compatibility | Lexium 05 Lexium 15 |
| Product or component type | Planetary gearbox with straight teeth |
| Device short name | GBX |
| Product compatibility | BSH1402 |
| Casing diameter | 120 mm |
| Reduction ratio | 4:1 |
| Additional information | Lubricated for life |

Complementary

| | |
|--------------------------|--|
| Torsional backlash | < 8 ° |
| Torsional rigidity | 12 Nm/arcmin |
| Housing colour | Black |
| Housing material | Black anodized aluminium |
| Shaft material | C 45 |
| Service life in hours | 30000 h at 100 rpm at 30 °C |
| Mounting position | Any position |
| Efficiency | 96 % |
| Maximum radial force Fr | 1500 N at 100 rpm , force applied at mid-distance from output shaft during 30000 hour at 30 °C 2000 N at 100 rpm , force applied at mid-distance from output shaft during 10000 hour at 30 °C |
| Maximum axial force Fa | 2100 N at 100 rpm , during 30000 hour at 30°C 2800 N at 100 rpm , during 10000 hour at 30°C |
| Moment of inertia | 1.79 kg.cm ² |
| Continuous output torque | 155 N.m at 100 rpm at 30 °C |
| Maximum output torque | 248 N.m at 100 rpm at 30 °C |
| Product weight | 6 kg |

Environment

| | |
|-----------------------------------|------------------------|
| Noise level | 65 dB at 1 m , no-load |
| IP degree of protection | IP54 at shaft output |
| Ambient temperature for operation | -25...90 °C |