

Main

Range compatibility	Lexium 05 Lexium 15
Product or component type	Planetary gearbox with straight teeth
Device short name	GBX
Product compatibility	BSH0701
Casing diameter	60 mm
Reduction ratio	16:1
Additional information	Lubricated for life

Complementary

Torsional backlash	< 20 °
Torsional rigidity	2.5 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	94 %
Maximum radial force Fr	340 N at 100 rpm , force applied at mid-distance from output shaft during 30000 hour at 30 °C 500 N at 100 rpm , force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum axial force Fa	450 N at 100 rpm , during 30000 hour at 30°C 600 N at 100 rpm , during 10000 hour at 30°C
Moment of inertia	0.088 kg.cm²
Continuous output torque	44 N.m at 100 rpm at 30 °C
Maximum output torque	70 N.m at 100 rpm at 30 °C
Product weight	1.1 kg

Environment

Noise level	58 dB at 1 m , no-load
IP degree of protection	IP54 at shaft output
Ambient temperature for operation	-25...90 °C