

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	120 mm
Reduction ratio	80:1
Additional information	Lubricated for life

Complementary

Torsional backlash	< 14 °
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	90 %
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	1.5 kg.cm ²
Continuous output torque	260 N.m at 100 rpm at 30 °C
Maximum output torque	416 N.m at 100 rpm at 30 °C
Product weight	10 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