Product data sheet
Characteristics

GBX0600050702F
gearbox with straight teeth GBX - Ø 60 mm - reduction 5:1 - < 16 ° - 40 N.m

Main

Range compatibility	Lexium 05 Lexium 15
Product or component type	Planetary gearbox with straight teeth
Device short name	GBX
Product compatibility	BSH0702
Casing diameter	60 mm
Reduction ratio	5:1
Additional information	Lubricated for life

Complementary

Torsional backlash	< 16 °
Torsional rigidity	2.3 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	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	0.078 kg.cm²
Continuous output torque	40 N.m at 100 rpm at 30 °C
Maximum output torque	64 N.m at 100 rpm at 30 °C
Product weight	0.9 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

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