



Main

Range compatibility	Lexium 32
Product or component type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Gearbox external diameter	60 mm
Product compatibility	BSH0551...
Reduction ratio	4:1

Complementary

Torsional backlash	< 16 arc.min
Torsional rigidity	2.3 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	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
Continuous output torque	38 N.m at 100 rpm at 30 °C
Maximum output torque	61 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 on shaft output
Ambient temperature for operation	-25...90 °C