



Main

Range compatibility	Lexium 32
Product or component type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Gearbox external diameter	40 mm
Product compatibility	BSH1003...
Reduction ratio	3:1

Complementary

Torsional backlash	< 24 arc.min
Torsional rigidity	1 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	200 N at 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C 160 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C
Maximum axial force Fa	200 N at 100 rpm, during 10000 hour at 30°C 160 N at 100 rpm, during 30000 hour at 30°C

Environment

Ambient temperature for operation	-25...90 °C
-----------------------------------	-------------