

# Product data sheet

## Characteristics

# GBX0800040554F

gearbox with straight teeth GBX- Ø 80 mm-  
reduction 4:1- < 9arcmin- 115 N.m



### Main

Range compatibility	Lexium 32
Product or component type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Gearbox external diameter	80 mm
Product compatibility	BSH0554...
Reduction ratio	4:1

### Complementary

Torsional backlash	< 9 arc.min
Torsional rigidity	6 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	650 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 950 N at 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum axial force Fa	1200 N at 100 rpm, during 10000 hour at 30°C 900 N at 100 rpm, during 30000 hour at 30°C
Continuous output torque	115 N.m at 100 rpm at 30 °C
Maximum output torque	184 N.m at 100 rpm at 30 °C
Product weight	2.1 kg

### Environment

Noise level	60 dB at 1 m, no-load
IP degree of protection	IP54 on shaft output
Ambient temperature for operation	-25...90 °C

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Contractual warranty

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Warranty period	18 months
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