Product data sheet

Specifications

gearbox with straight teeth GBX- Ã˜ 160 mm- reduction 5:1- < 6arcmin- 450 N.m

GBX1600051404F

ⓘ **Discontinued on:** Jun 15, 2023

ⓘ **To be end-of-service on:** Mar 31, 2028

ⓘ **Discontinued - Service only**

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range Compatibility	Lexium 15 Lexium 32
Product or Component Type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Gearbox external diameter	6.3 in (160 mm)
Product compatibility	BSH1404...
Reduction ratio	5:1

Complementary

Maximum torsional backlash	6 arc.min
Torsional rigidity	38 N.m/arcmin
Housing Colour	Black
Housing material	Black anodized aluminium
Shaft material	C 45
Additional information	Lubricated for life
Service life in hours	30000 h 100 rpm 86.0000000000 °F (30 °C)
Efficiency	96 %
mounting position	Any position
Maximum radial force Fr	4200 N 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 6000 N 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum axial force Fa	6000 N 100 rpm, during 30000 hour at 30°C 8000 N 100 rpm, during 10000 hour at 30°C
moment of inertia	0.002 lb.in² (6.07 g.cm²)
Continuous output torque	3982.8 lbf.in (450 N.m) 100 rpm 86.0000000000 °F (30 °C)
Maximum output torque	6372.5 lbf.in (720 N.m) 100 rpm 86.0000000000 °F (30 °C)
Product Weight	39.7 lb(US) (18 kg)

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Noise level	70 dB 1 m, no-load
IP Degree of Protection	Shaft output IP54
ambient temperature for operation	-13.0000000000…194.0000000000 °F (-25…90 °C)

Ordering and shipping details

Category	US1PC5318283
Discount Schedule	PC53
GTIN	3389118145276
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.2 in (26.0 cm)
Package 1 Width	17.7 in (45.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package 1 Weight	41.9 lb(US) (19.0 kg)

Contractual warranty

Warranty	18 months

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