Product data sheet

Specifications





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

GBX1600051402F

! Discontinued on: Oct 9, 2023



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

Main

Range Compatibility	Lexium 15 Lexium 32	
Product or Component Type	mponent Type Planetary gearbox	
Gear box type	Straight teeth	
Device short name GBX		
Gearbox external diameter	ox external diameter 6.3 in (160 mm)	
Product compatibility	ompatibility BSH1402	
eduction ratio 5:1		

Complementary

Maximum torsional backlash	ximum 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	ours 30000 h 100 rpm 86.00000000000 °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 86.00000000000 °F (30 °C)	
let Weight 39.7 lb(US) (18 kg)		

Environment

Noise level 70 dB 1 m, no-load

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

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IP Degree of Protection	Shaft output IP54
ambient temperature for	-13.0000000000194.0000000000 °F (-2590 °C)

Ordering and shipping details

Category	US1PC5318283	
Discount Schedule	PC53	
GTIN	3389118145078	
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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Transparency RoHS/REACh

Well-being performance

	Mercury Free	
⊘	Rohs Exemption Information	Yes
Ø	Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov