Product data sheet
Characteristics

GBX080040K
gearbox straight teeth GBX, Lexium, 80mm, reduction 40:1 , 9arc.min, 110N.m



Main

Range compatibility	Lexium 28 Lexium 32 Lexium 62 ILM Lexium 62 Lexium 52
Gear box type	Straight teeth
Product or component type	Planetary gearbox
Device short name	GBX
Product compatibility	BMH (70 mm, 1 motor stacks) BSH (70 mm, 1 motor stacks) BCH2 (80 mm, 1 motor stacks) SH3 MH3 ILM
Gearbox external diameter	80 Mm
Reduction ratio	40:1

Complementary

Maximum torsional backlash	9 Arc.Min
Torsional rigidity	6.5 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 at 100 rpm at 30 °C
Mounting position	Any position
Efficiency	97.0 %
Maximum radial force Fr	650 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C
Maximum axial force Fa	1200 N at 100 rpm, during 30000 hour at 30°C
Shaft moment of inertia	0.654 Kg.Cm²
Continuous output torque	110 N.M at 100 rpm at 30 °C
Maximum output torque	176 N.M at 100 rpm at 30 °C
Net weight	2.6 Kg
Internal diameter	19.0 Mm
No load running torque	0.1 N.M
Reduction ratio	40
Compatibility code	GBX
Length	89.5 Mm

Environment

Noise level	60 DB at 1 m, no-load
IP degree of protection	Shaft output: IP54
Ambient air temperature for operation	-25…90 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.500 Cm
Package 1 Width	11.000 Cm
Package 1 Length	18.500 Cm
Package 1 Weight	2.452 Kg
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	10.225 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	7c9e597c-8ccc-4daf-95fb-5d67fc70d561
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
PVC free	Yes
End of life manual availability	No need of specific recycling operations
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised