

Product data sheet

Characteristics

GBY060003K

angular gearbox straight teeth GBY-Ø 60 mm -
reduction 3:1<16 arc.min -14 N.m

Product availability : Stock - Normally stocked in distribution facility



Price* : 915.63 USD



Main

Range compatibility	Lexium ILA Lexium ILS Lexium SD3 Lexium 32 Lexium 62 ILM Lexium 52 Lexium 62
Product or component type	Angular planetary gearbox
Gear box type	Straight teeth
Device short name	GBY
Product compatibility	BMH (2.76 in (70 mm), 1 motor stacks) BMH (2.76 in (70 mm), 2 motor stacks) BSH (2.17 in (55 mm), 1 motor stacks) BSH (2.17 in (55 mm), 2 motor stacks) BSH (2.17 in (55 mm), 3 motor stacks) BSH (2.76 in (70 mm), 1 motor stacks) BSH (2.76 in (70 mm), 2 motor stacks) ILA (2.24 in (57 mm), 1 motor stacks) ILA (2.24 in (57 mm), 2 motor stacks) ILS (2.24 in (57 mm), 1 motor stacks) ILS (2.24 in (57 mm), 2 motor stacks) ILS (2.24 in (57 mm), 3 motor stacks) SH3 MH3 ILM BRS3
Gearbox external diameter	2.36 in (60 mm)
Reduction ratio	3:1

Complementary

Torsional backlash	< 16 arc.min
Torsional rigidity	2.3 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 86 °F (30 °C)
Mounting position	Any position
Efficiency	94 %
Maximum radial force Fr	340 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C
Maximum axial force Fa	450 N at 100 rpm, during 30000 hour at 30 °C
Shaft moment of inertia	0.246 kg.cm ²
Continuous output torque	123.89 lbf.in (14 N.m) at 100 rpm at 86 °F (30 °C)
Maximum output torque	194.69 lbf.in (22 N.m) at 100 rpm at 86 °F (30 °C)
Product weight	3.75 lb(US) (1.7 kg)

Environment

Noise level	70 dB at 1 m, no-load
IP degree of protection	IP54 on shaft output
Ambient air temperature for operation	-13...194 °F (-25...90 °C)

Ordering and shipping details

Category	18283 - NEUGART GEARBOXES
Discount Schedule	PC53
GTIN	00785901630937
Nbr. of units in pkg.	1
Package weight(Lbs)	3.6699999999999999
Returnability	N
Country of origin	DE

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0912 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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