

GBX060005K

gearbox straight teeth GBX - Ø 60 mm - reduction
5:1 < 10 arc.min - 40 N.m

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



Price* : 454.00 USD



Main

Range compatibility	Lexium ILA Lexium ILS Lexium SD3 Lexium 32 Lexium 28 Lexium 62 ILM Lexium 52 Lexium 62
Product or component type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Product compatibility	BMH (2.76 in (70 mm), 1 motor stacks) BMH (2.76 in (70 mm), 2 motor stacks) BMH (2.76 in (70 mm), 3 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) BSH (2.76 in (70 mm), 3 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) BCH2 (2.36 in (60 mm), 1 motor stacks) BCH2 (2.36 in (60 mm), 2 motor stacks) SH3 MH3 ILM BRS3
Gearbox external diameter	2.36 in (60 mm)
Reduction ratio	5:1

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.

Complementary

Torsional backlash	< 10 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	96 %
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
Moment of inertia	0.078 kg.cm ²
Continuous output torque	353.98 lbf.in (40 N.m) at 100 rpm at 86 °F (30 °C)
Maximum output torque	566.37 lbf.in (64 N.m) at 100 rpm at 86 °F (30 °C)
Product weight	1.98 lb(US) (0.9 kg)

Environment

Noise level	58 dB at 1 m, no-load
IP degree of protection	IP54 on shaft output
Ambient temperature for operation	-13...194 °F (-25...90 °C)

Ordering and shipping details

Category	18283 - NEUGART GEARBOXES
Discount Schedule	PC53
GTIN	00785901932352
Nbr. of units in pkg.	1
Package weight(Lbs)	1.8300000000000001
Returnability	N
Country of origin	DE

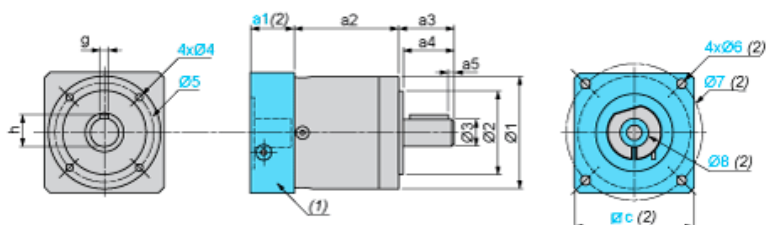
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1129 - 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
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Dimensions with Servo Motor Adaptation Kit



- (1) GBK adaptation kit
 (2) GBK adaptation kit related dimensions a1, c, Ø6, Ø7, Ø8 depend on the gearbox and servo motor combination
 Ø8 shaft end adaptor in case motor shaft diameter is smaller than gearbox input coupling diameter

Values in mm

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5
55	35	30	2.5	16	5	60	40 h7	14 h7	M5 x 8	52

Values in in.

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5
2.16	1.38	1.18	0.10	063	0.19	2.36	1.57 h7	0.55 h7	M5 x 0.31	2.05