



Main

Range Compatibility	Lexium 62 ILM Lexium 15 Lexium 52 Lexium 32 Lexium 62
Product or Component Type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Gearbox external diameter	6.30 in (160 mm)
Product compatibility	BSH 5.51 in (140 mm), 3 BMH 5.51 in (140 mm), 3 SH3 MH3 ILM
Reduction ratio	8:1

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 °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	0.00 lb.in ² (4.63 g.cm ²)
Continuous output torque	3982.83 lbf.in (450 N.m) 100 rpm 86 °F (30 °C)
Maximum output torque	6372.53 lbf.in (720 N.m) 100 rpm 86 °F (30 °C)
Net Weight	39.68 lb(US) (18 kg)

Environment

Noise level	70 dB 1 m, no-load
IP Degree of Protection	Shaft output IP54
Ambient temperature for operation	-13...194 °F (-25...90 °C)

Ordering and shipping details

Category	18283-NEUGART GEARBOXES
Discount Schedule	PC53
GTIN	3389118145214
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.24 in (26.0 cm)
Package 1 Width	17.72 in (45.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	41.89 lb(US) (19.0 kg)

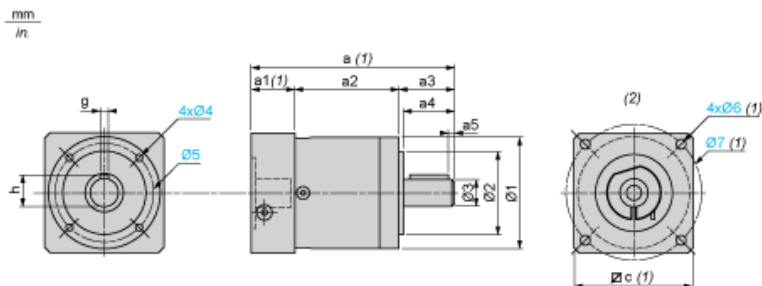
Offer Sustainability

Sustainable offer status	Green Premium product
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
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
PVC free	Yes

Contractual warranty

Warranty	18 months
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Dimensions



- (1) Dimensions a, a1, c, Ø6 and Ø7 depend on the planetary gearbox/servo motor combination
(2) Servo motor assembly

Dimensions in mm

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4 (oblong)	Ø5
104	87	80	8	43	12	160	130 h7	40 h7	M12 x 20	145

Dimensions in mm

a	a1	c	Ø6	Ø7
255.5	64.5	140 x 140	M10	165

Dimensions in in.

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4 oblong	Ø5
4.09	3.42	3.14	0.31	1.69	0.47	6.29	5.12 h7	1.57 h7	M12 x 0.79	5.70

Dimensions in in.

a	a1	c	Ø6	Ø7
10.05	2.53	0.21 x 0.21	M10	6.49