

## Main

Range compatibility	Lexium 62 ILM Lexium 32i Lexium 15 Lexium 62 Lexium 32 Lexium 52
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 3.94 in (100 mm), 2 BMH 3.94 in (100 mm), 2 BMI 3.94 in (100 mm), 2 SH3 MH3 ILM
Reduction ratio	32:1

## Complementary

Maximum torsional backlash	10 arc.min
Torsional rigidity	41 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	94 %
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 <sup>2</sup> (6.36 g.cm <sup>2</sup> )
Continuous output torque	7080.59 lbf.in (800 N.m) 100 rpm 86 °F (30 °C)
Maximum output torque	11328.94 lbf.in (1280 N.m) 100 rpm 86 °F (30 °C)
Net Weight	48.50 lb(US) (22 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)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

### Ordering and shipping details

Category	18283 - NEUGART GEARBOXES
Discount Schedule	PC53
GTIN	03389118144576
Nbr. of units in pkg.	1
Package weight(Lbs)	50.6 lb(US) (22.95 kg)
Returnability	No
Country of origin	DE

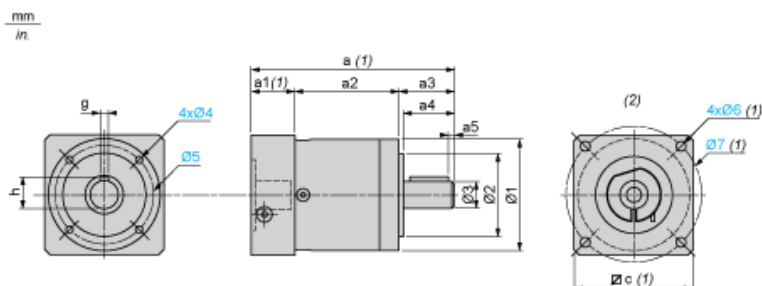
### Packing Units

Unit Type of Package 1	PCE
Package 1 Height	10.24 in (26 cm)
Package 1 width	17.72 in (45 cm)
Package 1 Length	10.24 in (26 cm)

### Contractual warranty

Warranty	18 months
----------	-----------

## 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
153.5	87	80	8	43	12	160	130 h7	40 h7	M12 x 20	145

Dimensions in mm

a	a1	c	Ø6	Ø7
305	64.5	140 x 140	M8	115

Dimensions in in.

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4 oblong	Ø5
6.04	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
12.00	2.53	0.21 x 0.21	M8	4.52