

970DLN SERIES NOISE ATTENUATED 35mm SPUR GEARED MOTOR. (CENTRAL OUTPUT SHAFT)

RE-540LN MOTOR



Part No. 727
Geared motor bracket (90 degree)
sold separately



Metal Gearbox cover
included with this series

RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.

970D61LN	(4.5v - 15v)	WITH RE 540LN MOTOR. RATIO 6:1
970D161LN	(4.5v - 15v)	WITH RE 540LN MOTOR. RATIO 16:1
970D471LN	(4.5v - 15v)	WITH RE 540LN MOTOR. RATIO 47:1
970D1561LN	(4.5v - 15v)	WITH RE 540LN MOTOR. RATIO 156:1
970D7501LN	(4.5v - 15v)	WITH RE 540LN MOTOR. RATIO 750:1
970D28131LN	(4.5v - 15v)	WITH RE 540LN MOTOR. RATIO 2813:1

Designed for heavier-duty industrial and model applications. These units boast a high quality, five pole low rpm motor providing approx 33% more motor torque than the standard RE540/1 motor, with a considerable reduction in motor noise level. The metal gearbox incorporates sleeve bearings, enabling the high torque transfer from the motor to be transmitted through the gearbox.

MOTOR DATA. (RE-540LN)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY					STALL TORQUE		
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	TORQUE	
			R.P.M.	A	R.P.M.	A	oz-in	g-cm	W	%	oz-in	g-cm
RE-540LN	4.5 - 12	12v Constant	6000	0.26	5258	1.42	3.1	223	12	71	25.3	1825

Stall Current RE-540/1 at 6v = 8.24A

REDUCTION TABLE. R.P.M. (NO LOAD)

SUPPLY VOLTAGE	4.5v	6v	9v	12v
970D61LN	329	438	657	876
970D161LN	123	165	247	329
970D471LN	42	56	84	112
970D1561LN	13	17	26	34
970D7501LN	3	4	5	7
970D28131LN	0.75	1	1.5	2

WEIGHT	
970D61LN	313g
970D161LN	317g
970D471LN	324g
970D1561LN	333g
970D7501LN	343g
970D28131LN	347g

Note: Motor speeds may vary by (+) or (-) 12.5%

GEARED MOTOR TORQUE RATINGS AT MAX. EFFICIENCY.

	At 12v (g.cm)
6:1LN	1000
16:1LN	2000
47:1LN	3000
156:1LN	6000
750:1LN	6000
2813:1LN	6000

970DLN SERIES	
No Load Backlash	Max 2 deg.
Max Radial Load (10mm from flange)	1000gf.
Shaft Axial Load	700gf.

NOTE: To establish Torque Rating in Nm, divide g.cm by 10,197.0

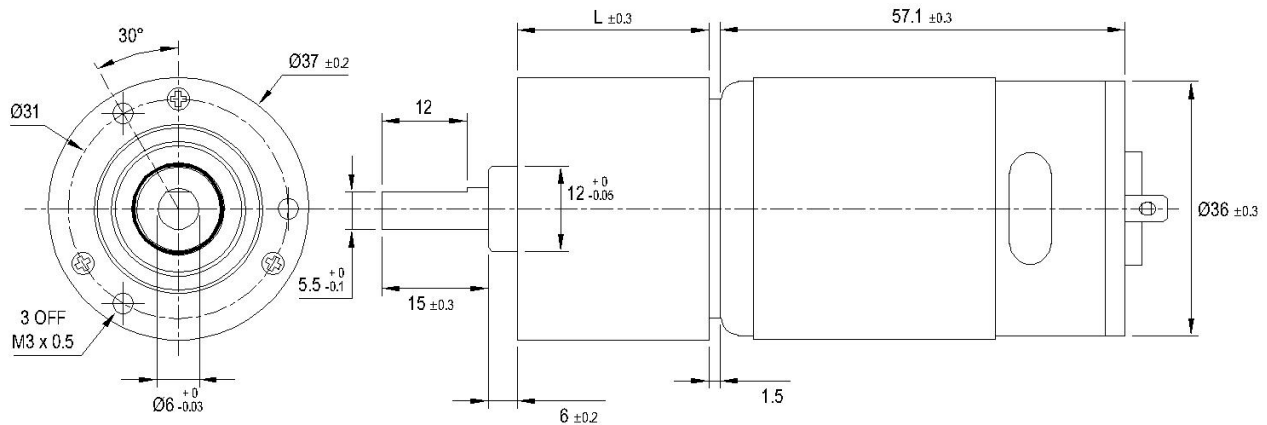
IMPORTANT NOTICE

At very low ratios the torque produced by this geared motor combination may exceed the maximum permissible torque of the gearbox. In this situation the unit must not be allowed to stall as this may damage the gears.

IMPORTANT NOTICE

Due to the wide range of applications for this product it is the users responsibility to establish the products suitability for their individual purpose(s).

**970DLN SERIES NOISE ATTENUATED 35mm SPUR GEARED MOTOR.
(CENTRAL OUTPUT SHAFT)**



RATIO	L
6:1LN	21.8
16:1LN	24.6
47:1LN	27.1
156:1LN	29.6
750:1LN	34.5
2813:1LN	37.0

NOTE: all diameters in mm

FOR ACCESSORIES TO FIT THIS SERIES GEARBOX, REFER TO 919D SERIES PAGE.

Subject to minimum order quantities of 250 units, the following ratios are also available with a six week lead-time. The physical dimensions of these other gearboxes may vary from the data as illustrated above. Details of individual gearboxes are available upon request.

GEARBOX 19:1 WITH 540LN MOTOR
 GEARBOX 21:1 WITH 540LN MOTOR
 GEARBOX 31:1 WITH 540LN MOTOR
 GEARBOX 38:1 WITH 540LN MOTOR
 GEARBOX 56:1 WITH 540LN MOTOR
 GEARBOX 63:1 WITH 540LN MOTOR
 GEARBOX 69:1 WITH 540LN MOTOR
 GEARBOX 75:1 WITH 540LN MOTOR

GEARBOX 94:1 WITH 540LN MOTOR
 GEARBOX 104:1 WITH 540LN MOTOR
 GEARBOX 113:1 WITH 540LN MOTOR
 GEARBOX 125:1 WITH 540LN MOTOR
 GEARBOX 169:1 WITH 540LN MOTOR
 GEARBOX 188:1 WITH 540LN MOTOR
 GEARBOX 219:1 WITH 540LN MOTOR
 GEARBOX 234:1 WITH 540LN MOTOR

GEARBOX 250:1 WITH 540LN MOTOR
 GEARBOX 281:1 WITH 540LN MOTOR
 GEARBOX 312:1 WITH 540LN MOTOR
 GEARBOX 375:1 WITH 540LN MOTOR
 GEARBOX 422:1 WITH 540LN MOTOR
 GEARBOX 438:1 WITH 540LN MOTOR
 GEARBOX 469:1 WITH 540LN MOTOR
 GEARBOX 563:1 WITH 540LN MOTOR

GEARBOX 625:1 WITH 540LN MOTOR
 GEARBOX 938:1 WITH 540LN MOTOR
 GEARBOX 1250:1 WITH 540LN MOTOR
 GEARBOX 1875:1 WITH 540LN MOTOR
 GEARBOX 3750:1 WITH 540LN MOTOR
 GEARBOX 5625:1 WITH 540LN MOTOR