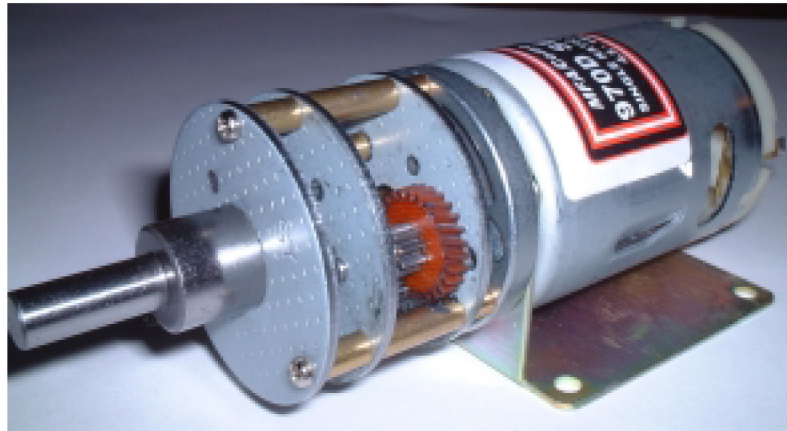


**970D SERIES SINGLE RATIO METAL GEARBOX  
(CENTRAL OUTPUT SHAFT)**

**(RE 540/1 MOTOR)**



**Metal Gearbox cover included with this series**

**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).

**RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.**

970D61	(4.5v - 15v)	WITH RE 540/1 MOTOR.	RATIO 6:1
970D161	(4.5v - 15v)	WITH RE 540/1 MOTOR.	RATIO 16:1
970D471	(4.5v - 15v)	WITH RE 540/1 MOTOR.	RATIO 47:1
970D1561	(4.5v - 15v)	WITH RE 540/1 MOTOR.	RATIO 156:1
970D7501	(4.5v - 15v)	WITH RE 540/1 MOTOR.	RATIO 750:1
970D28121	(4.5v - 15v)	WITH RE 540/1 MOTOR.	RATIO 2812:1

Designed for heavy-duty industrial and model applications this robust unit boasts a powerful high quality, three pole motor with sintered bronze bearings. The metal gearbox incorporates sleeved bearings, enabling the high torque transfer from the motor to be transmitted through the gearbox. The unit is mounted on a 1mm thick plated steel bracket.

**MOTOR DATA. (RE-540/1)**

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	oz - in	g - cm
			R.P.M.	A	R.P.M.	A	oz - in	g - cm	W	%		
RE - 540/1	4.5 - 15.0	6.0v CONSTANT	7500	0.45	6180	2.1	1.64	118.2	7.49	59.4	9.31	670
		12.0v CONSTANT	15800	0.52	13360	2.85	2.14	154.4	21.2	61.9	13.9	1000

**REDUCTION TABLE. R.P.M.**

SUPPLY VOLTAGE	4.5v	6.0v	9.0v	12.0v	15.0v	Direction of rotation
970D61	800	1050	1700	2150	2900	ACW
970D161	228	500	700	900	1250	CW
970D471	106	144	216	350	450	ACW
970D1561	32	44	68	94	124	CW
970D7501	7	9	14	19	23	CW
970D28121	2	3	4	5	7	ACW

WEIGHT	
970D61	247g
970D161	252g
970D471	257g
970D1561	261g
970D7501	270g
970D28121	271g

RATED TOLERANCE TORQUE (g.cm)	MAX MOMENTARY TOLERANCE TORQUE	
6:1	1000	3000
16:1	2000	6000
47:1	3000	9000
156:1	6000	18000
750:1	6000	18000
2812:1	6000	18000

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

24 volt versions are available for this range of motor-gearboxes. Performance data is similar to 12 volt versions. This version also has an extended 10mm rear shaft to accommodate motor encoders. When ordering please use 12v version part number suffixed with 24V. I.E. 919D111 will be 919D11124V