

## 955D SERIES 20mm dia. SPUR MINIATURE AND SUB MINIATURE GEARED MOTOR

### RE-955 MOTOR



RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.

955D101	(12v) WITH 955D MOTOR. RATIO 10:1	955D521	(12v) WITH 955D MOTOR. RATIO 52:1
955D991	(12v) WITH 955D MOTOR. RATIO 99:1	955D1501	(12v) WITH 955D MOTOR. RATIO 150:1
955D2251	(12v) WITH 955D MOTOR. RATIO 225:1	955D5491	(12v) WITH 955D MOTOR. RATIO 549:1

All metal spur geared motor suitable for miniature and sub miniature applications. The combination of a high torque motor with carbon brushes and a robust gearbox with sleeve bearings and a 4mm output shaft, provide excellent durability and reliable performance.

#### MOTOR DATA. (RE-955)

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-955	12	12v Constant	6200	0.024	4960	0.10	0.025	18	0.78	77	0.97	69.7

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

SUPPLY VOLTAGE	6v	9v	12v
955D101	310	465	620
955D521	60	89	119
955D991	32	47	63
955D1501	21	31	41
955D2251	14	21	28
955D5491	6	8	11

WEIGHT	
955D101	48g
955D521	51.5g
955D991	53g
955D1501	53g
955D2251	56g
955D5491	56g

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

#### GEARED MOTOR TORQUE RATINGS AT MAX. EFFICIENCY.

	At 12v (g.cm)
10:1	131
52:1	515
99:1	891
150:1	1350
225:1	1800
549:1	1800

955D SERIES	
No Load Backlash	Max 1.5 deg.
Max Radial Load (10mm from flange)	400gf.
Shaft Axial Load	200gf.

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

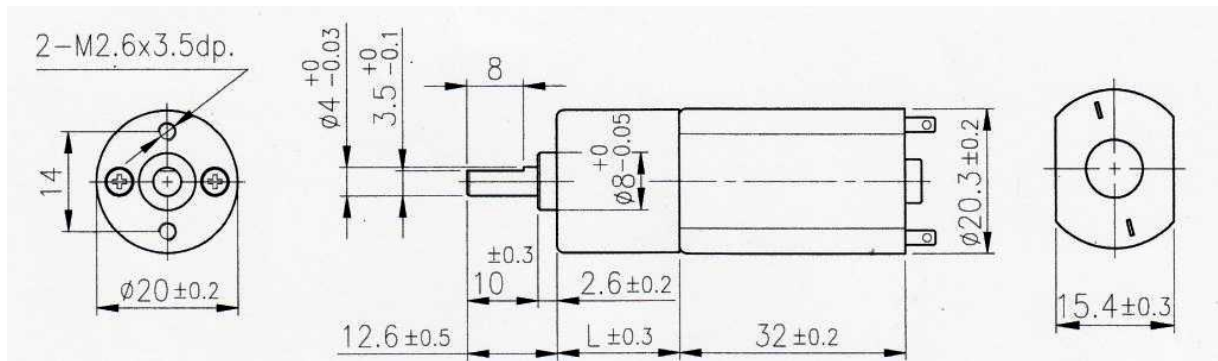
#### IMPORTANT NOTICE

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).

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RATIO	L
10:1	16.5
52:1	20.0
99:1	21.8
150:1	21.8
225:1	25.3
549:1	25.3

NOTE: all diameters in mm

FOR ACCESSORIES TO FIT THIS SERIES GEARBOX, REFER TO 918D 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 13:1 WITH 955 MOTOR  
 GEARBOX 18:1 WITH 955 MOTOR  
 GEARBOX 29:1 WITH 955 MOTOR  
 GEARBOX 67:1 WITH 955 MOTOR

GEARBOX 80:1 WITH 955 MOTOR  
 GEARBOX 120:1 WITH 955 MOTOR  
 GEARBOX 179:1 WITH 955 MOTOR

GEARBOX 275:1 WITH 955 MOTOR  
 GEARBOX 350:1 WITH 955 MOTOR  
 GEARBOX 430:1 WITH 955 MOTOR

GEARBOX 689:1 WITH 955 MOTOR  
 GEARBOX 794:1 WITH 955 MOTOR  
 GEARBOX 866:1 WITH 955 MOTOR