

990D SERIES 12mm DIA SUB MINIATURE (EPICYCLIC) METAL GEARBOX



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.

990D41	(3v)	RATIO 4:1
990D641	(3v)	RATIO 64:1
990D2561	(3v)	RATIO 256:1

A sub miniature epicyclic motor/gearbox combination with scintered steel output bearings and precious metal motor brushes. Ideal in situations requiring high torque in a limited space with low current consumption.

MOTOR DATA.

MODEL	VOLTAGE		NO LOAD		MAX EFFICIENCY					STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT	EFF	
			R.P.M.	mA	R.P.M.	mA	oz - in	g - cm	W	%	
RE990	3V	3v CONSTANT	12500	80	10300	340		5.6	0.59	58	22(est)

REDUCTION TABLE. R.P.M.

SUPPLY VOLTAGE	3.0v
990D41	3125
990D641	195
990D2561	49

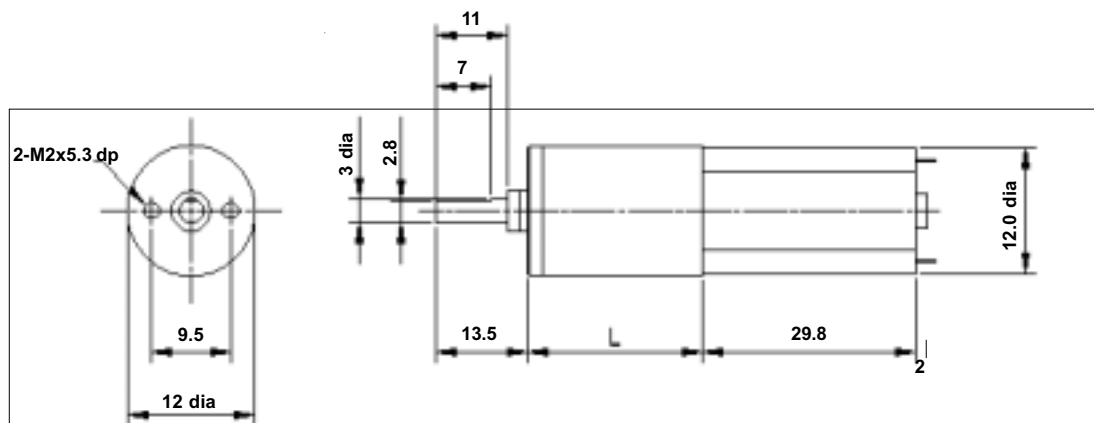
WEIGHT	
990D41	12.6g
990D641	16.8g
990D2561	18.9g

GEARBOX RATINGS

RATED TOLERANCE TORQUE (g.cm)		MAX. MOMENTARY TOLERANCE TORQUE	Efficiency %
4:1	800	2400	85
64:1	1600	4800	65
256:1	1800	5400	55

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

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GEARBOX REF.	L
990D41 (4:1)	12.9
990D641 (64:1)	19.8
990D2561 (256:1)	23.1

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 16:1

Gearbox 1024:1

Gearbox 4096:1