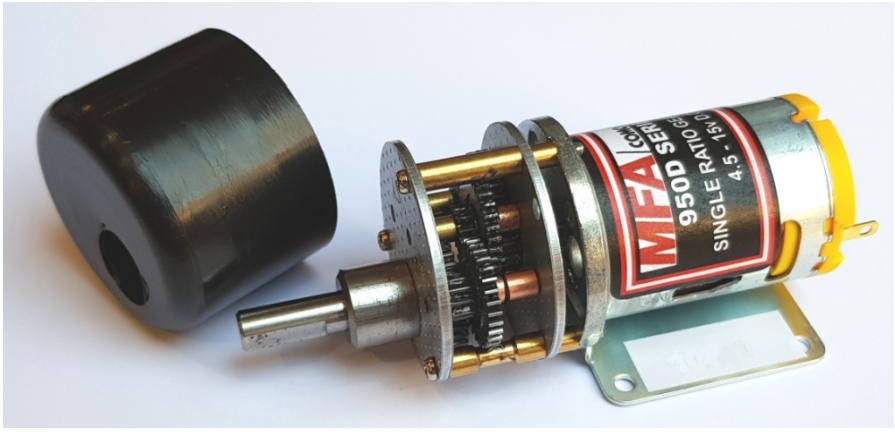
MFA/COMO DRILLS

950D SERIES 35mm SINGLE RATIO METAL GEARBOX (RE385 Motor)



Plastic gearbox cover & metal bracket included with this series.

RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.
Fitted with RE385 (4.5v - 15v) Motor:

950D2.51	Ratio	2.5:1
950D61	Ratio	6:1
950D111	Ratio	11:1
950D301	Ratio	30:1
950D501	Ratio	50:1
950D1001	Ratio	100:1
950D1481	Ratio	148:1
950D5001	Ratio	500:1
950D8101	Ratio	810:1
950D30001	Ratio	3000:1

Designed for heavy-duty industrial and model applications this robust unit boasts a powerful high quality, five 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. (RE385)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED R.P.M.	CURRENT A	SPEED R.P.M.	CURRENT A	TORQUE oz-in	TORQUE g-cm	OUTPUT W	EFF %	oz-in	g-cm
RE385	4.5 - 15	12v Constant	11646	0.18	9869	0.99	1.09	78.4	7.98	66.1	7.13	513.5

GEARBOX DATA.

PART NO	RATIO	REDUCTION TABLE RPM (No Load)°					WEIGHT	TORQUE RATING AT:
		4.5v	6v	9v	12v	15v		12v (g.cm)^
950D2.51	2.5:1	1747	2329	3494	4658	5823	143g	159
950D61	6:1	728	971	1456	1941	2426	149g	381
950D111	11:1	397	530	794	1059	1324	148g	699
950D301	30:1	146	194	291	388	485	154g	1717
950D501	50:1	87	117	175	233	291	159g	2587
950D1001	100:1	44	58	87	116	145	159g	5174
950D1481	148:1	30	40	59	79	99	163g	6000
950D5001	500:1	9	12	17	23	29	165g	6000
950D8101	810:1	5	7	11	14	18	165g	6000
950D30001	3000:1	1.5	2	3	4	5	170g	6000

NOTES:° Motor speeds may vary by + or - 12.5%
^ Geared Motor Torque Ratings at Maximum Efficiency. To establish Torque Rating in Nm, divide g.cm by 10197.0

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. 950D111 will be 950D11124V

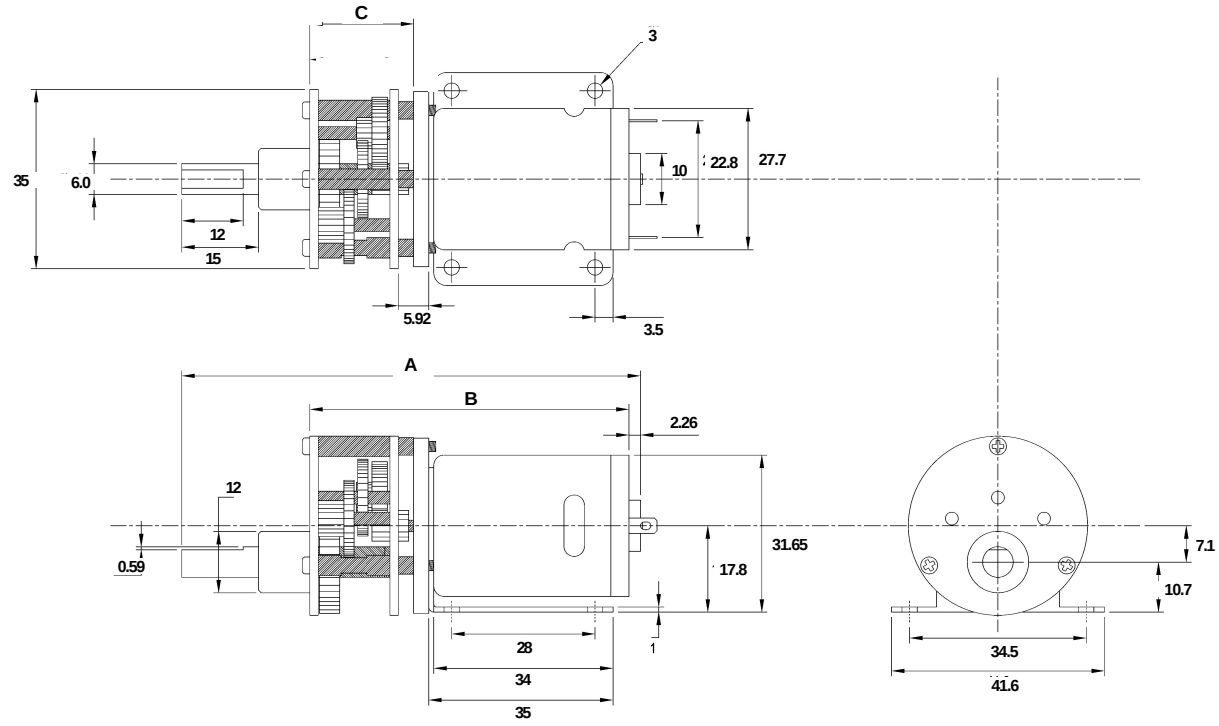
950D SERIES	
No Load Backlash	Max 2 deg.
Max Radial Load (10mm from flange)	1000gf.
Shaft Axial Load	700gf.

IMPORTANT NOTICES:
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. 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).

MFA/COMO DRILLS
Felderland Lane, Worth, Deal, Kent, CT14 0BT
TEL: 01304 612132 FAX: 01304 614696
EMAIL: info@mfacomo.com
WEB: www.mfacomodrills.com

950D SERIES 35mm SINGLE RATIO METAL GEARBOX (RE385 Motor)

950D SERIES TECHNICAL DRAWING



Screws: M2.5 x 5mm.

RATIO	A	B	C
2.5:1	85.7	58.7	16.9
6:1	84.7	57.7	15.9
11:1	84.7	57.7	15.9
30:1	87.2	60.2	18.4
50:1	89.7	62.7	20.9
100:1	89.7	62.7	20.9
148:1	92.2	65.2	23.4
500:1	94.7	67.7	25.9
810:1	94.8	67.8	26.0
3000:1	97.2	70.2	28.4

NOTE: All diameters in mm

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

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 18:1 with 385 motor
GEARBOX 60:1 with 385 motor
GEARBOX 70:1 with 385 motor
GEARBOX 75:1 with 385 motor
GEARBOX 90:1 with 385 motor
GEARBOX 120:1 with 385 motor
GEARBOX 180:1 with 385 motor
GEARBOX 200:1 with 385 motor
GEARBOX 250:1 with 385 motor
GEARBOX 300:1 with 385 motor
GEARBOX 350:1 with 385 motor
GEARBOX 400:1 with 385 motor
GEARBOX 450:1 with 385 motor
GEARBOX 600:1 with 385 motor
GEARBOX 700:1 with 385 motor
GEARBOX 900:1 with 385 motor
GEARBOX 1000:1 with 385 motor
GEARBOX 1500:1 with 385 motor

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