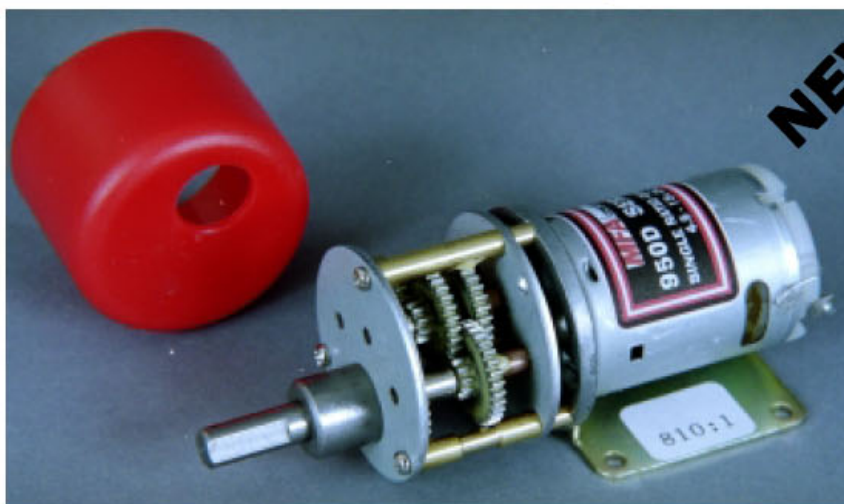


950D SERIES SINGLE RATIO METAL GEARBOX

(RE 385 MOTOR)



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.

| | | |
|-----------|--------------|---------------------------------|
| 950D2.51 | (4.5v - 15v) | WITH RE 385 MOTOR. RATIO 2.5:1 |
| 950D61 | (4.5v - 15v) | WITH RE 385 MOTOR. RATIO 6:1 |
| 950D111 | (4.5v - 15v) | WITH RE 385 MOTOR. RATIO 11:1 |
| 950D501 | (4.5v - 15v) | WITH RE 385 MOTOR. RATIO 50:1 |
| 950D1481 | (4.5v - 15v) | WITH RE 385 MOTOR. RATIO 148:1 |
| 950D8101 | (4.5v - 15v) | WITH RE 385 MOTOR. RATIO 810:1 |
| 950D30001 | (4.5v - 15v) | WITH RE 385 MOTOR. 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. (RE-385)

| 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 - 385 | 6.0 - 15.0 | 12v CONSTANT | 11000 | 0.155 | 9281 | 0.837 | | 65.3 | 6.21 | 61.85 | | 417.6 |

REDUCTION TABLE. R.P.M.

| SUPPLY VOLTAGE | 4.5v | 6.0v | 9.0v | 12.0v | 15.0v |
|----------------|------|------|------|-------|-------|
| 950D2.51 | 1890 | 2520 | 3375 | 5040 | 6300 |
| 950D61 | 787 | 1050 | 1575 | 2100 | 2625 |
| 950D111 | 429 | 572 | 858 | 1145 | 1430 |
| 950D501 | 94 | 126 | 189 | 252 | 315 |
| 950D1001 | 41 | 55 | 83 | 110 | 138 |
| 950D1481 | 32 | 42 | 64 | 85 | 106 |
| 950D5001 | 8 | 11 | 17 | 22 | 28 |
| 950D8101 | 5 | 7 | 11 | 15 | 18 |
| 950D30001 | 1.5 | 2 | 3 | 4 | 5 |

| WEIGHT | |
|-----------|------|
| 950D2.51 | 146g |
| 950D61 | 144g |
| 950D111 | 146g |
| 950D501 | 156g |
| 950D1481 | 162g |
| 950D8101 | 164g |
| 950D30001 | 168g |

| RATED TOLERANCE TORQUE (g.cm) | MAX MOMENTARY TOLERANCE TORQUE |
|-------------------------------|--------------------------------|
| 2.5:1 | 2000 |
| 6:1 | 3000 |
| 11:1 | 3000 |
| 50:1 | 3000 |
| 100:1 | 6000 |
| 148:1 | 6000 |
| 500:1 | 6000 |
| 810:1 | 6000 |
| 3000:1 | 6000 |

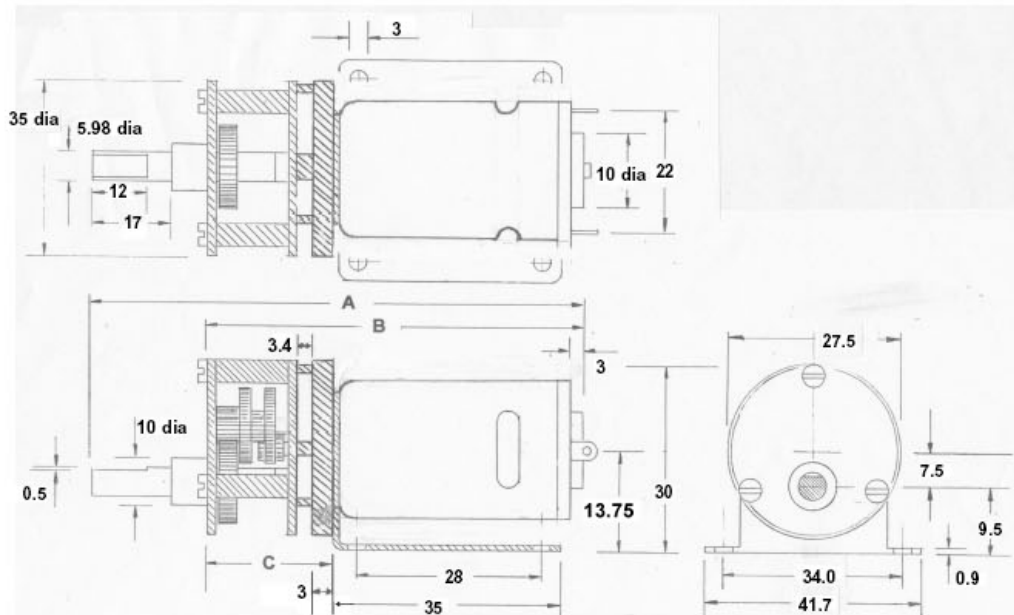
NOTE: To establish Torque Rating in nM, divide g.cm by 10,197.0

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. 950D111 will be 950D11124V

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GEARBOX DIMENSIONS



| GEARBOX REF. | A | B | C |
|------------------|-----|----|----|
| 950D2.5:1 | 85 | 60 | 19 |
| 950D61 (6:1) | 85 | 60 | 19 |
| 950D111 (11:1) | 85 | 60 | 19 |
| 950D501 (50:1) | 90 | 65 | 24 |
| 950D1481 (148:1) | 92 | 67 | 26 |
| 950D8101 (810:1) | 95 | 70 | 29 |
| 950D3000:1 | 102 | 87 | 31 |

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