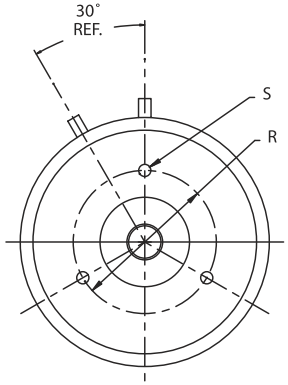
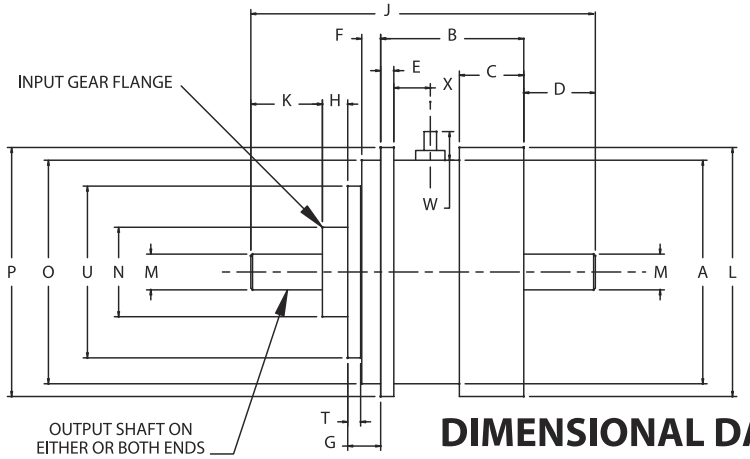
# SPECIFICATIONS

| | | MC-26 | MC-28 | MC-30 | MC-32 | MC-34 |
|---|---|---|---|---|---|---|
| Weight (Nominal) | *Oz.* | 1.3 | 2.0 | 3.8 | 6.3 | 9.4 |
| Volts | *D.C.* | 24 to 28 | 24 to 28 | 24 to 28 | 24 to 28 | 24 to 28 |
| Coil Resistance ±10% | *Ohms* | 275.0 | 169.0 | 165.0 | 151.0 | 138.0 |
| Clutch Torque Minimum @ 24 V.D.C. | *Oz. In.* | 5.0 | 16.0 | 16.0 | 32.0 | 100.0 |
| Brake Torque Minimum | *Oz. In.* | 3.0 | 12.0 | 16.0 | 32.0 | 80.0 |
| Response Time @ 28 V.D.C. (Energize) *MS Nom.* | | 7.0 | 7.0 | 10.0 | 14.0 | 20.0 |
| Maximum No Load Torque (Drag) Energized | *Oz. In.* | .25 | .25 | .40 | .60 | .80 |
| Maximum No Load Torque (Drag) De-energized | *Oz. In.* | .15 | .15 | .30 | .60 | .80 |
| Polar Moment of Inertia - Input Gear Flange | In. Lb. $Sec^2$ | $2.8 \times 10^{-6}$ | $4.9 \times 10^{-6}$ | $15.5 \times 10^{-6}$ | $42.0 \times 10^{-6}$ | $57.8 \times 10^{-6}$ |
| Polar Moment of Inertia - Output Shaft | In. Lb. $Sec^2$ | $1.1 \times 10^{-6}$ | $5.1 \times 10^{-6}$ | $11.6 \times 10^{-6}$ | $36.3 \times 10^{-6}$ | $63.6 \times 10^{-6}$ |




# DIMENSIONAL DATA

| | A | B | C | D | E | F | G | H | J | K | L | M* | N* | O* | P | R | S | T | U | W | X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | ±.010 | ±.015 | ±.010 | ±.020 | +.003 -.000 | ±.005 | ±.005 | ±.005 | ±.015 | ±.020 | ±.005 | +.0000 -.0005 | +.0000 -.0005 | +.0000 -.0005 | +.000 -.005 | ±.005 | 2B THD | ±.002 | ±.005 | REF | REF |
| MC-26 | .800 | .500 | .285 | .300 | .047 | .100 | .175 | .120 | 1.395 | .300 | .845 | .1248 | .3750 | .7500 | .877 | .625 | #2-56 | .061 | .740 | .220 | .065 |
| MC-28 | 1.025 | .500 | .280 | .300 | .060 | .100 | .175 | .120 | 1.395 | .300 | 1.105 | .1248 | .3750 | 1.0000 | 1.115 | .625 | #2-56 | .061 | .740 | .230 | .065 |
| MC-30 | 1.250 | .625 | .375 | .375 | .060 | .125 | .203 | .177 | 1.755 | .375 | 1.350 | .1873 | .5000 | 1.2500 | 1.370 | .750 | #2-56 | .064 | .934 | .218 | .065 |
| MC-32 | 1.500 | .750 | .450 | .500 | .060 | .125 | .230 | .177 | 2.157 | .500 | 1.600 | .2498 | .6250 | 1.5000 | 1.620 | 1.000 | #2-56 | .090 | 1.200 | .210 | .065 |
| MC-34 | 1.650 | 1.000 | .450 | .500 | .090 | .125 | .230 | .177 | 2.407 | .500 | 1.745 | .2498 | .6250 | 1.5620 | 1.740 | 1.000 | #2-56 | .090 | 1.200 | .200 | .255 |

* Concentric within .0015 T.I.R.