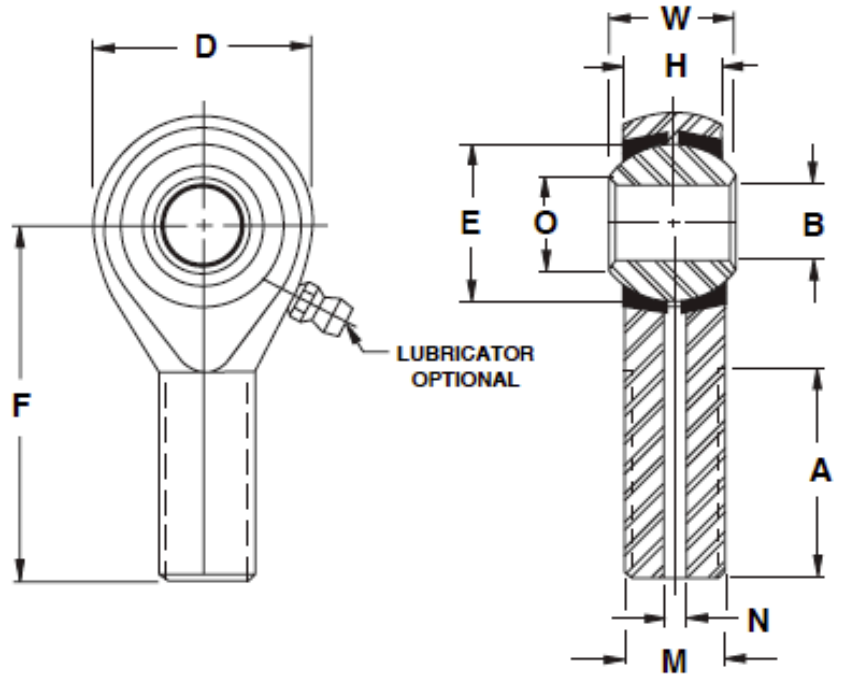




Precision Special Purpose Aircraft Series

Four Piece - Metal to Metal



Series M M

| ROD END NUMBER | DIMENSIONS IN INCHES | | | | | | | | | | MAXIMUM STATIC RADIAL LOAD | APPROX WEIGHT |
|----------------|----------------------|------------------|------------------|------------------|--------------------------|------------------|-------------|---------------|--------------------|----------------|----------------------------|---------------|
| | BORE | BALL WIDTH | HOUSING WIDTH | HEAD DIAMETER | LENGTH TO CENTER OF BALL | THREAD LENGTH | THREAD SIZE | BALL DIAMETER | BALL FLAT DIAMETER | DRILL DIAMETER | | |
| | B | W | H | D | F | A | M | E | O | N | | |
| | +0.0015 - .0005 | +0.000 - .005 | +0.005 - .005 | +0.010 - .010 | +0.031 - .031 | +0.062 - .031 | UNF -3A | REF | REF | REF | LBF | LBS |
| M3414M | .1900 | .437 | .328 | .750 | 1.560 | 1.000 | .2500-28 | .515 | .273 | - | 1,700 | .05 |
| MD3514M | .1900 | .437 | .328 | .875 | 1.375 | .750 | .3125-24 | .515 | .273 | .113 | 2,150 | .07 |
| MD3614M | .1900 | .437 | .328 | .750 | 1.375 | .750 | .3750-24 | .515 | .273 | .113 | 2,850 | .07 |
| MD3616M | .1900 | .500 | .375 | .812 | 1.812 | 1.062 | .3750-24 | .593 | .321 | .136 | 2,750 | .08 |
| M4414M | .2500 | .437 | .304 | .812 | 1.562 | 1.000 | .2500-28 | .562 | .354 | - | 1,700 | .06 |
| MD4615M | .2500 | .484 | .335 | .875 | 2.312 | 1.500 | .3750-24 | .625 | .395 | .136 | 3,150 | .10 |
| MD4616M | .2500 | .500 | .335 | .875 | 2.062 | 1.500 | .3750-24 | .625 | .375 | .159 | 2,750 | .09 |

Outer Member: Aircraft quality carbon steel, magnetic particle inspected, with protective coating for corrosion resistance

Ball: 52100 Alloy steel, heat treated, chrome plated

Inserts: Brass

NOTES

† Add letter "L" to prefix to indicate Left Hand thread
Example: ML3414M

□ For design options, see page 31

□ For Engineering data, see pages 28 thru 30

p "H" tolerance across inserts is +/-0.015