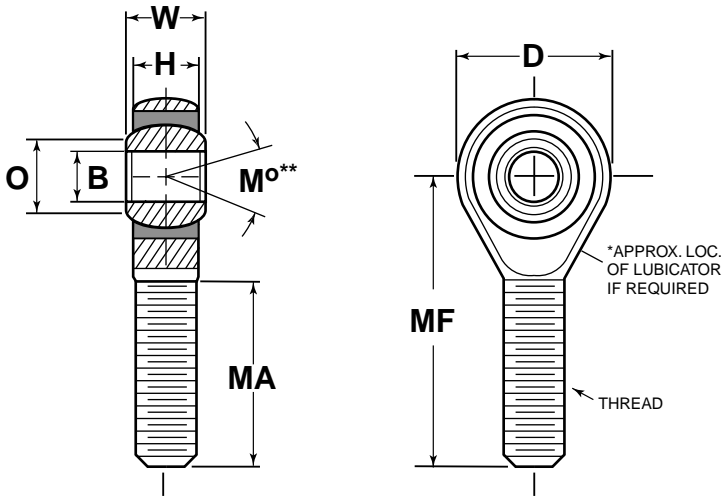
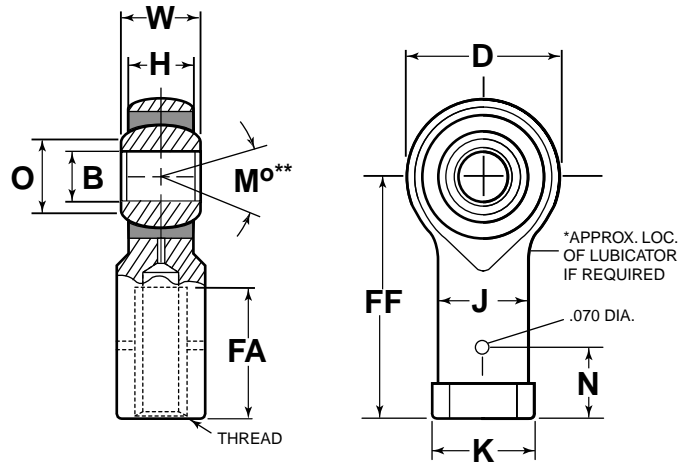


ROD END BEARINGS/METAL TO METAL

MALE SERIES



FEMALE SERIES



RM / RF

General Purpose Precision

| RADIAL PART NO. | | B | W | H | O | D | MF | FF | MA | FA | N | K | J | Ball Dia. | Thread | ** M° mis align angle | Max Static Radial Load (LBS) | | Approx. Weight (LBS) | |
|-----------------|---------|--------------------|------------------|-------|--------|-------|-------|-------|----------------|----------------|-------|-------|-------|-----------|-------------|-----------------------|------------------------------|--------|----------------------|--------|
| Male | Female | +0.0015 -0.0005 | +0.000 -0.005 | ±.005 | (REF.) | ±.010 | ±.010 | ±.010 | +1/16 -1/32 | +1/16 -1/32 | ±.020 | ±.010 | ±.010 | (REF.) | CLASS UNF-3 | | Male | Female | Male | Female |
| RM-3 | RF-3 | .1900 | .312 | .250 | .264 | .625 | 1.250 | 1.062 | .750 | .562 | .312 | .406 | .312 | .406 | 10-32 | 13 | 1,169 | 1531 | .028 | .038 |
| RM-4 | RF-4 | .2500 | .375 | .281 | .331 | .750 | 1.562 | 1.312 | 1.000 | .750 | .312 | .468 | .375 | .500 | 1/4-28 | 16 | 2,158 | 2,539 | .043 | .059 |
| RM-5 | RF-5 | .3125 | .437 | .344 | .428 | .875 | 1.875 | 1.375 | 1.250 | .750 | .406 | .500 | .437 | .610 | 5/16-24 | 14 | 2,784 | 3,133 | .072 | .092 |
| RM-6 | RF-6 | .3750 | .500 | .406 | .517 | 1.000 | 1.938 | 1.625 | 1.250 | .937 | .469 | .687 | .562 | .718 | 3/8-24 | 12 | 3,915 | 3,915 | .112 | .152 |
| RM-7 | RF-7 | .4375 | .562 | .437 | .586 | 1.125 | 2.125 | 1.812 | 1.375 | 1.062 | .531 | .750 | .625 | .812 | 7/16-20 | 14 | 4,218 | 4,218 | .160 | .198 |
| RM-8 | RF-8 | .5000 | .625 | .500 | .656 | 1.312 | 2.438 | 2.125 | 1.500 | 1.187 | .594 | .875 | .750 | .906 | 1/2-20 | 12 | 6,660 | 6,660 | .249 | .320 |
| RM-10 | RF-10 | .6250 | .750 | .562 | .821 | 1.500 | 2.625 | 2.500 | 1.625 | 1.500 | .750 | 1.000 | .875 | 1.110 | 5/8-18 | 16 | 7,364 | 7,364 | .382 | .477 |
| RM-12 | RF-12 | .7500 | .875 | .687 | .937 | 1.750 | 2.875 | 2.875 | 1.750 | 1.750 | .875 | 1.125 | 1.000 | 1.281 | 3/4-16 | 14 | 11,518 | 11,518 | .602 | .723 |
| * RM-16 | RF-16 | 1.000 | 1.375 | 1.000 | 1.269 | 2.750 | 4.125 | 4.125 | 2.125 | 2.125 | - | 1.625 | 1.500 | 1.875 | 1 1/4-12 | 17 | 43,540 | 43,540 | 2.41 | 2.13 |
| * RM-16-2 | RF-16-2 | 1.000 | 1.375 | 1.000 | 1.269 | 2.750 | 4.125 | 4.125 | 2.125 | 2.125 | - | 1.625 | 1.500 | 1.875 | 1-14 | 17 | 43,540 | 43,540 | 2.13 | 2.41 |
| * RM-16-3 | RF-16-3 | 1.000 | 1.375 | 1.000 | 1.269 | 2.750 | 4.125 | 4.125 | 2.125 | 2.125 | - | 1.625 | 1.500 | 1.875 | 1-12 | 17 | 43,540 | 43,540 | 2.13 | 2.41 |

Materials

| BALL | RACE | BODY |
|---------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| 52100 Steel Heat Treated Hard Chrome Plated | Low Carbon Steel Cadmium or Zinc Plated | Low Carbon Steel Cadmium or Zinc Plated |

Notes

1. Add letter L to prefix to indicate left hand threads.
Example: RML-6, RFL-6
2. Optional lubricators available on sizes 4-16 only. Add Z to suffix to indicate zerk type lubricator. Add F to suffix for flush type lubricator. Example: RM-6Z, RF-6Z.
3. Load ratings do not include effect of lubricators, consult with Radial Engineering Dept. for load ratings with lubricators.
4. Special sizes and materials can be furnished upon request. For brass races specify REM/REF.
- *5 Tolerances for -16: "D" +.030, "H" ±.010, "FF" & "MF" ±.020
-.010
- **6. M° equals total included misalignment angle for clevis mounted rod end

