

RM series male thread insert construction



Specification

Housing 30/40 tons carbon steel.
Corrosion protected.

Ball 1% carbon chromium steel.
Heat treated.

***Inserts** Naval brass/oil retaining sintered copper.

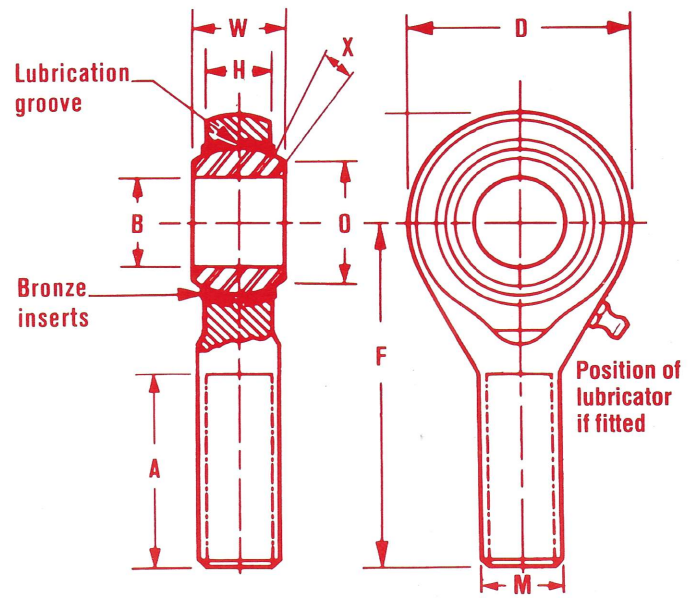
*Where alternative materials are specified, the right is reserved to supply whichever is available.

Temperature and fits

The normal maximum operating temperature for these rod ends is 180°C.

The clearance in the rod ends will be in line with the following chart:

Bearing size	Diametral clearance (in)
RM	
04 - 05	0.0002 - 0.0013
06 - 10	0.0003 - 0.0016
12	0.0004 - 0.0020



Imperial dimensions

Bearing number	B	W	H	O	D	F	A	M	X	Ball dia nom	Maximum static radial load in pounds approx	Weight in pounds each approx
	Bore	Ball width	Housing width	Ball flat dia	Head dia	Centre length	Thread length	Thread size	Angle deg			
	+0015 -0005	+000 -0005	+005 -0005		+010 -010	+010 -010	+060 -030	UNF 2A				
RM 04U	2500	375	281	355	750	1562	1000	250-28	12.5	516	1180	046
RM 05U	3125	437	344	447	875	1875	1250	312-24	10.5	625	1850	070
RM 06U	3750	500	406	517	1000	1938	1250	375-24	9.0	719	2450	120
RM 07U	4375	562	437	586	1125	2125	1375	437-20	10.5	812	3010	155
RM 08U	5000	625	500	698	1312	2438	1500	500-20	9.0	937	4290	234
	+0015 -0005	+000 -0005	+005 -0005		+030 -010	+030 -010	+060 -030					
RM 10GU	6250	750	562	832	1500	2625	1625	625-18	12.0	1125	4640	388
RM 12GU	7500	875	687	978	1750	2875	1750	750-16	9.5	1312	6580	612

For left hand thread insert L in bearing number, eg. RML 06U.

For BSF threads in Imperial units delete letter U in part number, eg. RM 06.

For applications where re-lubrication is desirable, RM series rod ends from sizes RM 04U to RM 08U are available with lubricators fitted, on request. The part number of a rod end with lubricator fitted would then carry the suffix 'G', eg. RM 05UG.

Other bearings outside the above range can be obtained, but will not be so readily available.