

ENGINEERING DATA

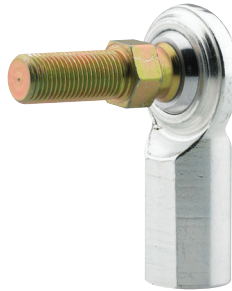
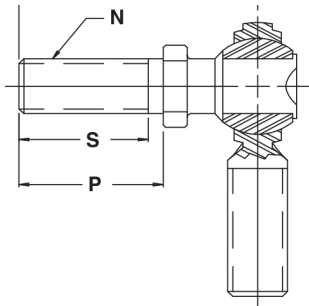
INCH/METRIC CONVERSION FACTORS

INCHES	X 25.4	= Millimeters
Millimeters	X .03937	= Inches
Sq. Inches	X 6.4515	= Sq. Centimeters
Sq. Centimeters	X .155	= Sq. Inches
Pounds	X .4536	= Kilograms
Kilograms	X 2.2046	= Pounds
Lbs. per In. ²	X .0703	= kg per cm ²
kg per cm ²	X 14.2231	= Lbs. per In. ²
Pounds (Force)	x 4.448	= Newtons
Newtons	x .2248	= Pounds (Force)
Temperature Conversion (Approximate)		
Degrees C = (Degrees F - 32) / 1.8		
Degrees F = (Degrees C) * 1.8 + 32		

Suggested Housing Bore For Press Fit of Spherical Bearings

BEARING SIZE	BEARING OUSTIDE DIAMETER +.0000 / -.0007	STEEL HOUSING		ALUMINUM HOUSING	
		Max.	Min.	Max.	Min.
COM SERIES					
3	.5625	.5619	.5614	.5618	.5612
4	.6562	.6556	.6551	.6555	.6549
5	.7500	.7494	.7489	.7493	.7487
6	.8125	.8119	.8114	.8118	.8112
7	.9062	.9056	.9051	.9055	.9049
8	1.0000	.9994	.9989	.9993	.9987
9	1.0937	1.0931	1.0925	1.0930	1.0923
10	1.1875	1.1869	1.1863	1.1868	1.1861
12	1.4375	1.4369	1.4363	1.4368	1.4361
14	1.5625	1.5619	1.5613	1.5618	1.5611
16	1.7500	1.7494	1.7486	1.7493	1.7485
COMH SERIES					
16	2.0000	1.9994	1.9986	1.9993	1.9985
19	2.3750	2.3744	2.3736	2.3743	2.3735
20	2.3750	2.3744	2.3736	2.3743	2.3735
24	2.7500	2.7494	2.7486	2.7493	2.7485
28	3.1250	3.1244	3.1236	3.1243	3.1235
32	3.5000	3.4994	3.4986	3.4993	3.4985

STUDED ROD ENDS



INCH SIZES					
ROD END SIZE	L LENGTH.	P LENGTH.	S LENGTH.	N THREAD	STUD HEX
	+.015 -.015	REF.	MIN.	UNF 2A	REF.
3	1.016	.500	.437	10-32	.375
4	1.031	.562	.500	1/4-28	.4375
5	1.219	.687	.593	5/16-24	.500
6	1.562	.906	.812	3/8-24	.500
7	1.750	1.062	.937	7/16-20	.5625
8	2.000	1.125	1.000	1/2-20	.625
10	2.500	1.500	1.375	5/8-18	.750
12	3.000	1.812	1.625	3/4-16	1.000

METRIC SIZES					
ROD END SIZE	L LENGTH.	P LENGTH.	S LENGTH.	N THREAD	STUD HEX
	+ .39 - .39	REF.	MIN.	MM	REF.
5	25.84	12.7	11.1	M5 X 0.8	9.52
6	26.09	14.27	12.7	M6 X 1.0	11.1
8	31.4	17.45	15	M8 X 1.25	12.7
10	44.31	27	23.8	M10 X 1.5	14.3
12	50.88	28.58	25.4	M12 X 1.75	15.88

NOTES:

1. AVAILABLE ON ALL SERIES.
2. STUD MATERIAL: LOW CARBON STEEL AND ALLOY STEEL (HEAT TREATED).
3. STUD MISALIGNMENT APPROX. +/- 25° IN ANY DIRECTION.
4. TO SPECIFY RIGHT HAND STUD, ADD SUFFIX "Y" TO PART NUMBER. EXAMPLE: CM6Y
5. TO SPECIFY LEFT HAND STUD, ADD SUFFIX "YL" TO PART NUMBER. EXAMPLE: CM6YL
6. TO SPECIFY HEAT TREATED STUD, ADD SUFFIX "YX" TO PART NUMBER (AVAILABLE ON SIZES 6-12 ONLY).
7. FOR LOAD RATINGS WITH STUDS, PLEASE CONTACT FK ENGINEERING DEPARTMENT

NOTE: The tables above are to be used as guides only. Consult the appropriate reference to determine best size based on fit requirements, material used, etc.