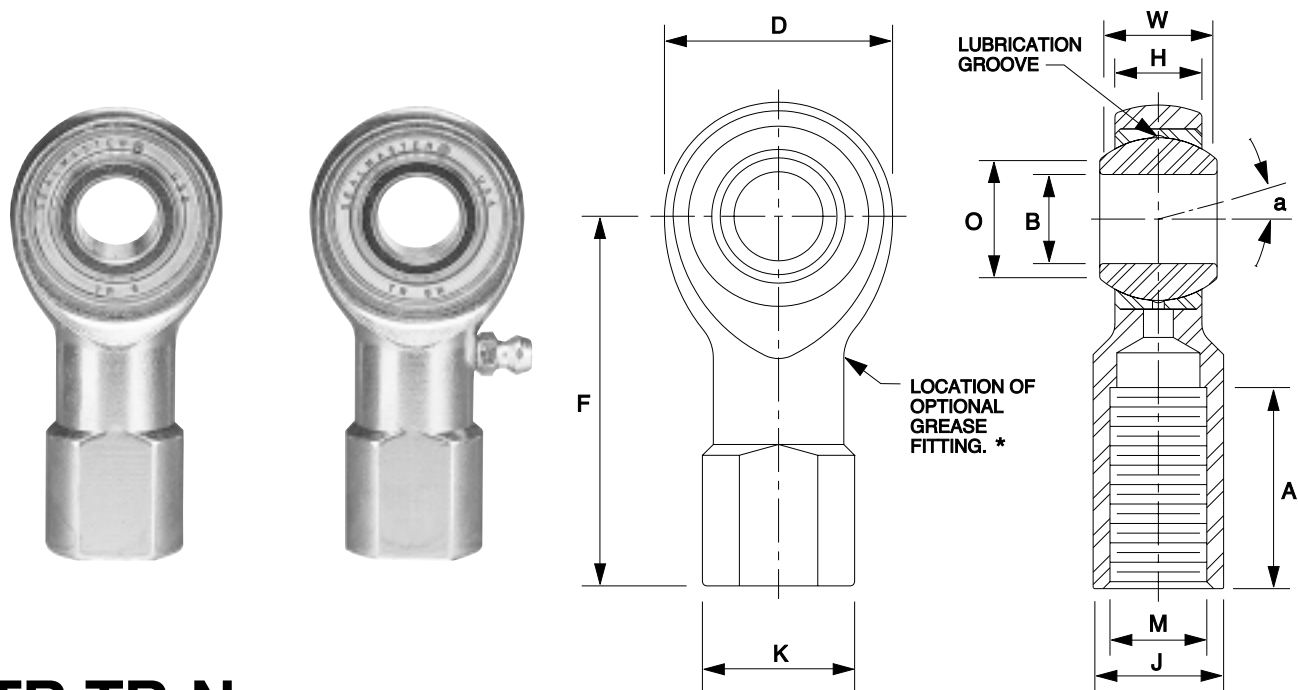




TR, TR-N Series Three-Piece Precision Female Rod Ends

PART NUMBER	BORE B +.0015 -.0005	BALL WIDTH W +.000 -.005	HOUSING WIDTH H +.005 -.005	HEAD DIA. D +.010 -.010	LENGTH TO CTR. OF BALL F +.015 -.015	THREAD LENGTH A MIN.	THREAD SIZE M CLASS UNF-2B	BASE DIA. K REF.	ACROSS WRENCH FLATS J +.010 -.010	BALL DIA. REF.	BALL FLAT DIA. O REF.	MAX. STATIC RADIAL LOAD LBS.	MIS-ALIGNMENT ANGLE a DEG. +/-	APPROX. WEIGHT LBS.
TR-3	.1900	.312	.250	.625	1.062	.531	#10-32	.375	.312	.437	.306	1,850	6 1/2	.03
TR-4	.2500	.375	.281	.750	1.312	.719	1/4-28	.469	.375	.500	.331	2,700	8	.06
TR-5	.3125	.437	.344	.875	1.375	.719	5/16-24	.531	.437	.625	.447	3,350	7	.08
TR-6	.3750	.500	.406	1.000	1.625	.906	3/8-24	.688	.562	.718	.517	4,450	6	.14
TR-7	.4375	.562	.437	1.125	1.812	1.031	7/16-20	.750	.625	.812	.586	5,350	7	.18
TR-8	.5000	.625	.500	1.312	2.125	1.156	1/2-20	.875	.750	.937	.698	7,400	6	.29
TR-10	.6250	.750	.562	1.500	2.500	1.469	5/8-18	1.000	.875	1.125	.839	8,050	8	.43
TR-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.125	1.000	1.312	.978	11,300	7	.64
**TR-16	1.0000	1.375	1.000	2.750	4.125	2.094	1 1/4-12	1.688	1.500	1.875	1.269	21,000	8 1/2	2.25

TR and TR-N precision series female rod ends are a popular choice for general industrial applications, including control linkages in packaging, printing, material handling, actuators and bag closures, etc.

MATERIAL SPECIFICATIONS

OUTER MEMBER - Carbon steel with protective plating for corrosion resistance

RACE - Carbon steel with protective plating for corrosion resistance

BALL - Alloy steel, heat treated, chrome plated

NOTES

- * 1. Rod ends with Zerk type grease fittings can be obtained by ordering the TR-N series; Example: TR-8N.
2. Grease fittings are available on sizes 4 through 16 only.
3. Optional flush type fittings are available on special order by adding "FN" suffix to the part numbers; Example: TR-8FN.
4. Load ratings apply to the TR series only. For TR-N load ratings contact engineering.
5. To order left hand threaded units add letter "L" to part number prefix; Example: TRL-8.
6. Add letter "Y" to the part number suffix to indicate stud. Example: TR-8Y.
7. For design modifications, see page 173.
- ** 8. Tolerances for "D" Dimension is +.030, -.010. For "H" Dimension is +.030, -.010.