



TRE, TRE-N Series Three-Piece Precision Male 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-3A	BALL DIA. REF.	BALL FLAT DIA. O REF.	MAX. STATIC RADIAL LOAD LBS.	MIS-ALIGNMENT ANGLE a DEG. +/-	APPROX. WEIGHT LBS.
TRE-3	.1900	.312	.250	.625	1.250	.719	#10-32	.437	.306	900	6 1/2	.03
TRE-4	.2500	.375	.281	.750	1.562	.969	1/4-28	.500	.331	1,700	8	.05
TRE-5	.3125	.437	.344	.875	1.875	1.219	5/16-24	.625	.447	2,500	7	.08
TRE-6	.3750	.500	.406	1.000	1.938	1.219	3/8-24	.718	.517	4,000	6	.12
TRE-7	.4375	.562	.437	1.125	2.125	1.344	7/16-20	.812	.586	5,000	7	.17
TRE-8	.5000	.625	.500	1.312	2.438	1.469	1/2-20	.937	.698	7,000	6	.26
TRE-10	.6250	.750	.562	1.500	2.625	1.594	5/8-18	1.125	.839	8,050	8	.41
TRE-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.312	.978	11,300	7	.64
** TRE-16	1.0000	1.375	1.000	2.750	4.125	2.094	1 1/4-12	1.875	1.269	21,000	8 1/2	2.25

TRE and TRE-N precision series male 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 TRE-N series; Example: TRE-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: TRE-8FN.
4. Load ratings apply to the TRE series only. For TRE-N load ratings contact engineering.
5. To order left hand threaded units add letter "L" to part number prefix; Example: TREL-8.
6. Add letter "Y" to the part number suffix to indicate stud; Example: TRE-8Y.
7. For design modifications, see page 173.
- ** 8. Tolerances for "D" Dimension is +.030, -.010. For "H" Dimension is +.030, -.010.