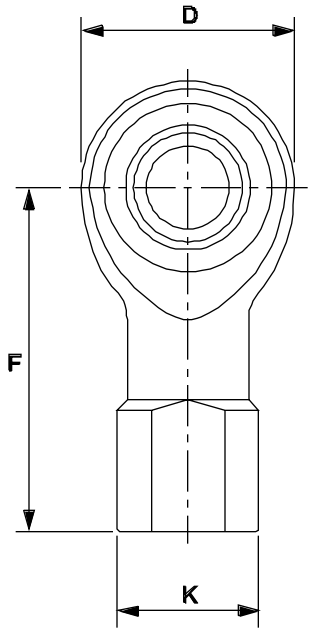

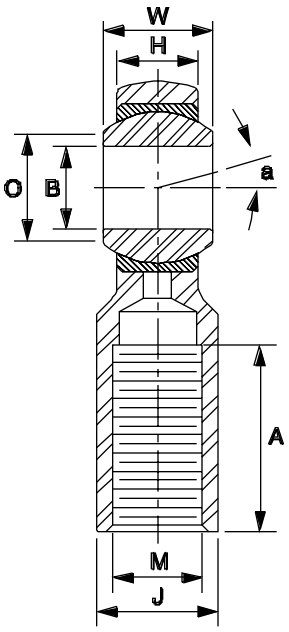

CTFD Series Three-Piece Commercial Female Rod Ends - Self Lubricating Delrin

PART NUMBER	BORE B +.0025 -.0005	BALL WIDTH W +.005 -.005	HOUSING WIDTH H +.010 -.010	HEAD DIA. D +.031 -.031	LENGTH TO CTR. OF BALL F REF.	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-ALIGN-MENT ANGLE a DEG. +/-	APPROX. WEIGHT LBS.
CTFD-3	.1900	.312	.250	.625	1.062	.531	#10-32	.375	.312	.437	.306	800	6½	.03
CTFD-4	.2500	.375	.281	.750	1.312	.719	¼-28	.469	.375	.500	.331	1,060	8	.06
CTFD-5	.3125	.437	.344	.875	1.375	.719	5/16-24	.531	.437	.625	.447	1,570	7	.08
CTFD-6	.3750	.500	.406	1.000	1.625	.906	⅜-24	.688	.562	.718	.517	2,150	6	.14
CTFD-7	.4375	.562	.437	1.125	1.812	1.031	7/16-20	.750	.625	.812	.586	2,600	7	.18
CTFD-8	.5000	.625	.500	1.312	2.125	1.156	½-20	.875	.750	.937	.698	3,420	6	.29
CTFD-10	.6250	.750	.562	1.500	2.500	1.469	⅝-18	1.000	.875	1.125	.839	4,620	8	.43
CTFD-12	.7500	.875	.687	1.750	2.875	1.719	¾-16	1.125	1.000	1.312	.978	6,600	7	.64

CTFD commercial three-piece female rod ends feature DELRIN races for applications where oil and grease should be avoided. This maintenance-free design is a popular choice in lighter duty applications such as food processing, packaging and textile equipment.

DELRIN features include:
Lower coefficient of friction than metal-to-metal types.
Withstands vibration without galling or fretting of the surface.
Absorbs less moisture compared to bearings with nylon races.

MATERIAL SPECIFICATIONS
OUTER MEMBER - Carbon steel with protective plating for corrosion resistance
RACE - DELRIN Acetal Resin
BALL - Alloy steel, heat treated, chrome plated

NOTES
1. To order left hand threaded units add letter “L” to part number prefix; Example: CTFDL-8.
2. Add letter “Y” to the part number suffix to indicate stud; Example: CTFD-8Y.
3. For design modifications, see page 173.
4. Caution: Prolonged exposure to ultraviolet light can cause loss of mechanical properties in DELRIN material. Consult our engineering department for application assistance.