



REF-TH-5 / REF-TH-6 Female/Aerospace Series *Teflon Lined/High Strength

RADIAL PART NO.	B	D	W	H	O	Ball Dia.	F	Thread	A	G	E	K	L	J	Ult. Static Radial Load (LBS)	Fatigue Load (LBS)	Axial Proof (LBS)	No Load Break-away Torque (Inch LBS)	M° mis-align angle	Approx Weight (LBS)
	+0.0000 -0.0005	±.010	+0.000 -0.002	±.005	(MIN.)	(REF.)	±.010	CLASS UNJF-3B	MIN	±.020	±.010	REF DIA.	+0.010 -0.062	+0.002 -0.010						
REF-3TH	.1900	.806	.437	.337	.300	.531	1.375	.3125-24	.750	.375	.422	.500	.188	.437	2,360	1,470	1,000	.5 to 6	15	.080
REF-4TH	.2500	.806	.437	.337	.300	.531	1.469	.3125-24	.750	.375	.422	.500	.188	.437	4,860	2,380	1,000	.5 to 6	15	.084
REF-5TH	.3125	.900	.437	.327	.360	.593	1.625	.3750-24	.875	.437	.485	.580	.250	.500	7,180	2,770	1,100	1 to 15	14	.102
REF-6TH	.3750	1.025	.500	.416	.470	.687	1.812	.3750-24	1.000	.437	.547	.660	.250	.562	8,550	3,670	1,660	1 to 15	8	.161
REF-7TH	.4375	1.150	.562	.452	.540	.781	2.000	.4375-20	1.125	.500	.610	.720	.250	.625	12,000	4,800	1,850	1 to 15	10	.212
REF-8TH	.5000	1.337	.625	.515	.610	.875	2.250	.5000-20	1.250	.562	.735	.880	.250	.750	19,500	7,680	2,040	1 to 15	9	.325
REF-10TH	.6250	1.525	.750	.577	.750	1.062	2.500	.6250-18	1.375	.687	.860	1.020	.375	.875	21,900	9,180	2,430	1 to 15	12	.481
REF-12TH	.7500	1.775	.875	.640	.850	1.250	2.875	.7500-16	1.625	.812	.985	1.160	.375	1.000	29,300	11,600	2,810	1 to 15	13	.673
REF-14TH	.8750	2.025	.875	.765	1.000	1.375	3.375	.8750-14	1.875	.937	1.110	1.300	.500	1.125	34,500	13,100	3,320	1 to 24	6	.959
REF-16TH	1.000	2.775	1.375	1.015	1.270	1.875	4.125	1.2500-12	2.125	1.312	1.688	2.020	.563	1.750	80,300	30,400	4,340	1 to 24	12	2.717

Materials

DESIGNATION	BALL	RACE	LINER	BODY
Basic Part No. +5	440C CRES Heat Treated	17-4 PH AMS-5643 CRES Heat Treated	Teflon* fabric permanently bonded to Race I. D.	4340 Steel Heat Treated See Note #4
Basic Part No. +6	Hard Chrome Plated			17-4 PH CRES Heat Treated

*A trade name of E. I. DuPont de Nemours & Co

Notes

1. Add letter "L" to prefix to indicate left hand threads. Example: REFL-3TH-6.
2. For keyway per NAS 559 add suffix "K" to part number. Example: REF-3TH-6K.
3. Bearings listed on this page conform to materials, dimensions, and configurations of Mil-B-81935; however, Radial is not approved for procurement under that specification. Consult factory for additional information.
4. Protective plating in accordance with latest revision of Mil-B-81935.