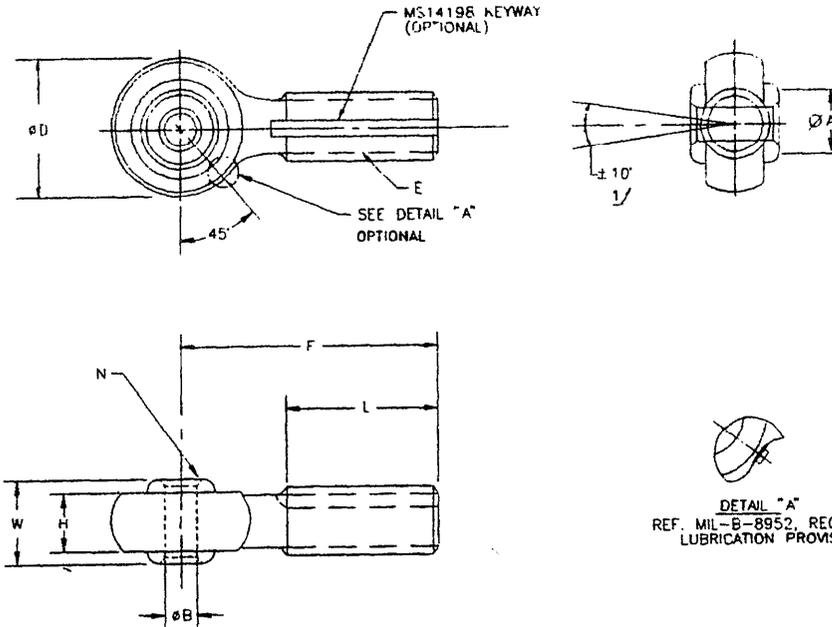


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIDER THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE SOURCE SPECIFIED IN THE SOLICITATION: MIL-B-8952



DETAIL "A"
REF: MIL-B-8952, REQUIREMENTS FOR LUBRICATION PROVISIONS

TABLE I. DIMENSIONS AND LOADS

MS DASH NO.	ϕA $\pm .005$	ϕB +.0000 -.0005	ϕD +.000 -.050	E UNJF-3A THREAD	F $\pm .015$	H +.000 -.015	L +.060 -.000	N CORNER CHAMFER $\pm .005$	W +.000 -.005	LIMIT LOAD RATING, LBS		RADIAL DYNAMIC LOAD RATING, LBS	NET WT LBS
										RADIAL	AXIAL		
-4G	.430	.2500	1.020	.375-24	1.880	.360	1.060		.500	2710	270	2240	.10
-5G	.580	.3125	1.340	.438-20	1.910	.340	.800	.015	.593	3900	390	3230	.13
-6G	.660	.3750	1.660		2.560	.480	1.310						

1/ THESE BEARINGS ARE SELF-ALIGNING FOR 10° IN EITHER DIRECTION.

REQUIREMENTS:

- 1. MATERIAL: INNER RING AND ROLLERS: STEEL, E52100 PER FED-STD-66. OUTER RING ROD END: STEEL, AIS-SAE 4620 PER AMS 6294 OR AISI-SAE 8620H PER AMS 6274 OR COMPOSITION III (9310) PER MIL-S-7395 OR E52100 PER FED-STD-66.
- 2. LUBRICANT: MIL-G-81322 OR MIL-G-23827. ALL BEARINGS SHALL BE PACKED WITH GREASE CONFORMING TO MIL-G-81322 UNLESS OTHERWISE SPECIFIED. ALL BEARINGS SHALL BE FILLED 80% MINIMUM WITH GREASE. IF MIL-G-23827 IS REQUIRED, ADD THE LETTER "H" AFTER THE MS21223 DASH NUMBER. IF A LUBRICATION FITTING IS NOT DESIRED, DELETE THE CODE "G" AFTER THE MS21223 DASH NUMBER. MIL-G-23827 SHALL NOT BE USED FOR OPERATION WHERE TEMPERATURES EXCEED 250°F
- 3. SEALS: POLYTETRAFLUOROETHYLENE PER AMS 3652 OR POLYTETRAFLUOROETHYLENE SHEET, GLASS FABRIC REINFORCED PER AMS 3666.
- 4. INTERNAL CLEARANCE: RADIAL .0001 TO .0015; AXIAL .001 TO .030.
- 5. SURFACE ROUGHNESS: RACEWAYS 8 MICROINCHES R_a MAXIMUM, ROLLERS 6 MICROINCHES R_a MAXIMUM, IN ACCORDANCE WITH ANSI/ASME B46.1.
- 6. BEARING RATINGS ARE FOR OPERATION UP TO 250°F MAX. FOR OPERATION UP TO 350°F, THE RATINGS SHALL BE REDUCED BY 20%.

Ⓧ DENOTES CHANGES

INCH-POUND

PREPARING ACTIVITY: NAVY-AS CUSTODIANS: ARMY-AT NAVY-AS AIR FORCE-99 DLA- REVIEW: ARMY-AV PROJECT NUMBER: 3110-0871 DISTRIBUTION STATEMENT	MILITARY SPECIFICATION SHEET TITLE BEARING, ROLLER, ROD END, EXTERNAL THREAD, SELF-ALIGNING, ANTI-FRICTION, AIRFRAME, HEAVY DUTY, TYPE I, -67° TO 350°F, SEALED	SPECIFICATION SHEET NUMBER MS21223 05 DEC 94 REV D SUPERSEDING MS21223 C 31 JAN 1990 AMSC- N/A FSC 3110
A. Approved for public release; distribution is unlimited.		Page <u>1</u> of <u>2</u>

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

