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AS21429

FEDERAL SUPPLY CLASS
3110

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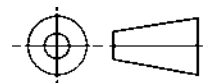
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THIRD ANGLE PROJECTION



ISSUED 2002-03

CUSTODIAN: SAE ACBG

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

BEARING, ROLLER, ANTIFRICTION, ROD END,
EXTERNAL THREAD, SELF-ALIGNING, AIR FRAME,
-67°F, TO 350°F TYPE 1, HEAVY DUTY, SEALED

AS21429
SHEET 1 OF 3

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THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DEPARTMENT OF INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION: MIL-B-8952

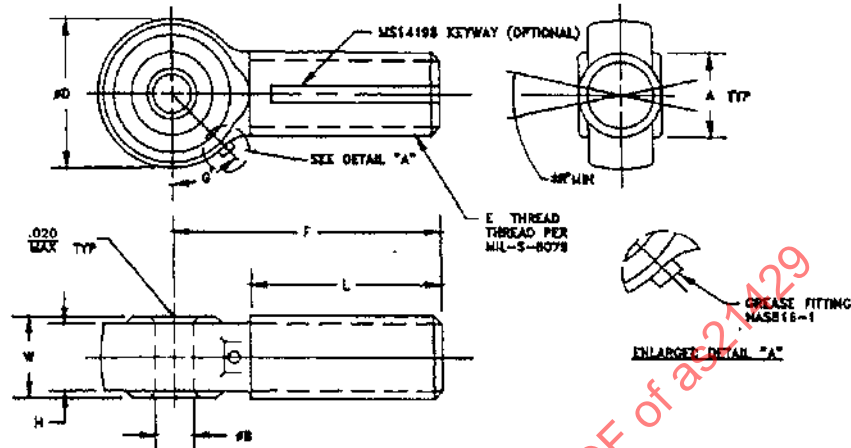


TABLE I

Dash No.	Ref. Part No.	B +.0000 -.0005	D +.000 -.050	W +.000 -.005	H +.000 -.015	A ±.005	R*	G*	F ±.015	L +.060 -.000	E Thread UNJF-3A	WT LB	Limit Load, LB		Radial Dynamic Load, LB
													Radial	Thrust	
-4	4-6A-44	.2500	1.073	.625	.479	.450	10	45	2.563	1.670	3/8 - 24	.18	3,080	1,690	2,560
-5	5-8A-44	.3125	1.449	.812	.665	.520	10	45	2.810	1.750	1/2 - 20	.37	8,010	4,550	6,650
-6	6-10A-44	.3750	1.760	.937	.760	.610	10	45	2.600	1.310	5/8 - 18	.58	10,600	6,100	8,610
-8	8-12A-44	.5000	2.186	1.125	.942	.940	10	45	3.400	2.000	3/4 - 16	1.15	18,900	9,450	15,700
-10	10-14A-44	.6250	2.630	1.812	1.130	.900	15	50	4.180	2.030	7/8 - 14	2.30	29,000	14,500	24,100
-12	12-18A-44	.7500	2.656	1.260	1.200	1.130	2	45	3.500	1.750	1 1/8 - 12	2.00	40,800	20,900	33,900
-14	14-16B-44	.8750	3.406	1.562	1.328	1.380	5	55	4.500	2.050	1 - 12	4.20	55,300	26,000	45,900

REQUIREMENTS:

- MATERIAL: INNER RACE AND ROLLERS: 52100, FED-STD-66. OUTER RING ROD END: AISI-SAE 8620H PER AMS 6274, SAE 4620 PER AMS 6294 OR COMPOSITION III (9310) PER MIL-S-7393 OR E52100 PER FED-STD-66.
- SEALS: POLYTETRAFLUOROETHYLENE PER AMS 3652 OR POLYTETRAFLUOROETHYLENE SHEET, GLASS FABRIC REINFORCED PER AMS 3666.
- LUBRICANT IDENTIFICATION: MIL-G-81322.
- INTERNAL CLEARANCE: RADIAL .0002 TO .0010, AXIAL .0005 TO .030.
- PLATING: ZINC NICKEL PLATE AMS 2417, TYPE 2, OR CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE I, CLASS 2, THICKNESS .0003 TO .0006 INCHES.
- SURFACE ROUGHNESS:

Raceways: $\sqrt{8}$, rollers $\sqrt{6}$, in accordance with ANSI/ASME B46.61.