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REV.
C

AS4308

FEDERAL SUPPLY CLASS
4730

RATIONALE

CORRECTED END 2 TO STYLE "E" IN FIGURE 1, UPDATED NOTE /4/ TO DELETE "PRI" STATEMENT AND CORRECT THE NADCAP SCOPE TO AC7112/AC7112/2.

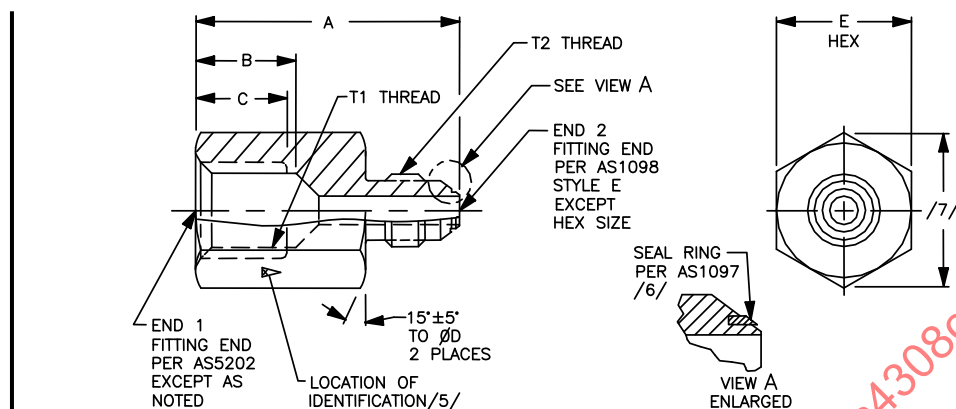


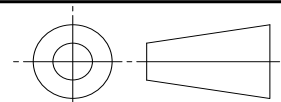
FIGURE 1 - FITTING, BUSHING-SCREW THREAD EXPANDER

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NUMBER AS4308 /15/ SIZE CODE	(NOMINAL TUBE SIZE) END 1	T1 THREAD PER AS8879 CLASS 3B END 1	(NOMINAL TUBE SIZE) END 2	T2 THREAD PER AS8879 CLASS 3A END 2	A + .000 - .076	B	C MIN	D ± .010	E	LB/EA APPROX REF ALUM	LB/EA APPROX REF CRES
0604	.375	.5625-18UNJF	.250	.4375-20UNJF	1.406	.630	.470	.792	.802-.815	.0447	.124
0804	.500	.7500-16 UNJF	.250	.4375-20UNJF	1.625	.750	.562	.980	.990-1.003	.0729	.202
0806	.500	.7500-16 UNJF	.375	.5625-18UNJF	1.562	.750	.562	.980	.990-1.003	.0705	.196
1004	.625	.8750-14 UNJF	.250	.4375-20UNJF	1.687	.810	.625	1.103	1.113-1.128	.0955	.265
1006	.625	.8750-14 UNJF	.375	.5625-18UNJF	1.656	.810	.625	1.103	1.113-1.128	.0918	.255
1008	.625	.8750-14 UNJF	.500	.7500-16 UNJF	1.766	.810	.625	1.103	1.113-1.128	.101	.279
1206	.750	1.0625-12UNJ	.375	.5625-18UNJF	1.828	.940	.688	1.353	1.363-1.380	.155	.429
1208	.750	1.0625-12UNJ	.500	.7500-16 UNJF	1.937	.940	.688	1.353	1.363-1.380	.164	.453
1210	.750	1.0625-12UNJ	.625	.8750-14 UNJF	2.031	.940	.688	1.353	1.363-1.380	.169	.468
1606	1.000	1.3125-12UNJ	.375	.5625-18UNJF	1.937	.970	.688	1.603	1.613-1.630	.224	.620
1608	1.000	1.3125-12UNJ	.500	.7500-16 UNJF	2.047	.970	.688	1.603	1.613-1.630	.233	.645
1610	1.000	1.3125-12UNJ	.625	.8750-14 UNJF	2.125	.970	.688	1.603	1.613-1.630	.233	.646
1612	1.000	1.3125-12UNJ	.750	1.0625-12UNJ	2.219	.970	.688	1.603	1.613-1.630	.242	.671
2008	1.250	1.6250-12UNJ	.500	.7500-16 UNJF	2.187	1.010	.688	1.853	1.863-1.880	.312	.865
2010	1.250	1.6250-12UNJ	.625	.8750-14 UNJF	2.266	1.010	.688	1.853	1.863-1.880	.310	.860
2012	1.250	1.6250-12UNJ	.750	1.0625-12UNJ	2.344	1.010	.688	1.853	1.863-1.880	.312	.865
2016	1.250	1.6250-12UNJ	1.000	1.3125-12UNJ	2.312	1.010	.688	1.853	1.863-1.880	.294	.816

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4308C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ KSC-F-124



AEROSPACE STANDARD

FITTING, BUSHING-SCREW
THREAD EXPANDER
FOR SEAL RING

AS4308
SHEET 1 OF 3

REV.
C

NOTES:

/1/ MATERIAL:

- a. CODE LETTER D: TYPE 2024-T6 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS4112; OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6.
- b. CODE LETTER J: 304 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5639.
- c. CODE LETTER K: 316 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5648.
- d. CODE LETTER R: 321 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5645.
- e. CODE LETTER S: 347 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5646.
- f. CODE LETTER W: TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9 OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124.

2. HEAT TREAT:

- a. ALL CODE LETTERS: NONE

3. FINISH:

- a. MATERIAL CODE LETTER D: ANODIZE PER AMS2472 OR MIL-A-8625 TYPE II, CLASS 2, DYE BLUE AND DUPLEX SEAL PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTERS J, K, R, AND S; PASSIVATE PER AMS2700, TYPE 6 OR TYPE 7.
- c. MATERIAL CODE LETTER W: ANODIZE PER AMS2472 OR MIL-A-8625, TYPE II, CLASS 2, DYE BROWN, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.

/4/ PROCUREMENT SPECIFICATION: KSC-F-124 JOHN F KENNEDY SPACE CENTER, NASA, SPECIFICATION FOR FITTINGS (PRESSURE CONNECTIONS), FLARED TUBE. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE NATIONAL AEROSPACE AND DEFENSE CONTRACTORS ACCREDITATION PROGRAM (NADCAP) QUALIFIED MANUFACTURERS LIST (QML) AC7112, AC7112/2 FOR SIMILAR FLARED FITTINGS. THE QML IS AVAILABLE AT www.eAuditNet.com.

/5/ IDENTIFICATION: MARK PER AS478 CLASS C OR CLASS D; METHOD 7A3, 15A3, OR 15B.

- a. FOR SIZES 06 (.375 OD TUBE SIZE) AND SMALLER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTERS "AS" AND MATERIAL CODE LETTER.
- b. FOR SIZES 08 (.500 OD TUBE SIZE) AND LARGER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER AND MATERIAL CODE LETTER.

/6/ THE SEAL RING IS ORDERED SEPARATELY AS AN AS1097.

/7/ HEX CORNERS MAY BE ROUNDED PER ARP1942.

8. INTERPRETATION OF DRAWING PER AS4296.

9. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES ARE TO BE 125 MICROINCHES Ra.

10. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.

11. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982.

	AEROSPACE STANDARD	AS4308 SHEET 2 OF 3	REV. C
	FITTING, BUSHING-SCREW THREAD EXPANDER FOR SEAL RING		