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REV.
A

AS4207

RATIONALE

AS4207A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

FEDERAL SUPPLY CLASS
4730

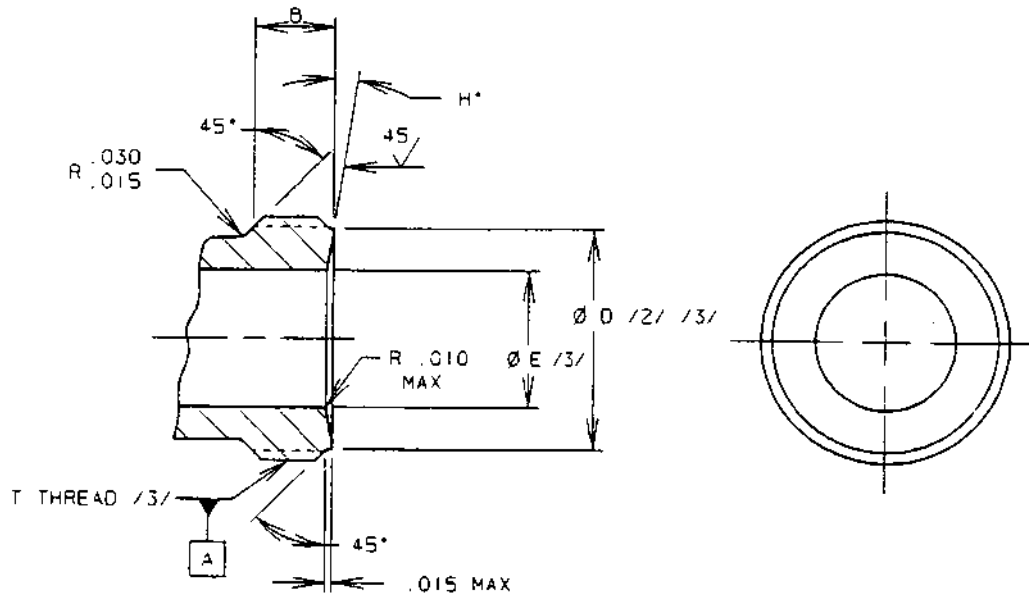


FIGURE 1 - FITTING END DESIGN, STYLE A

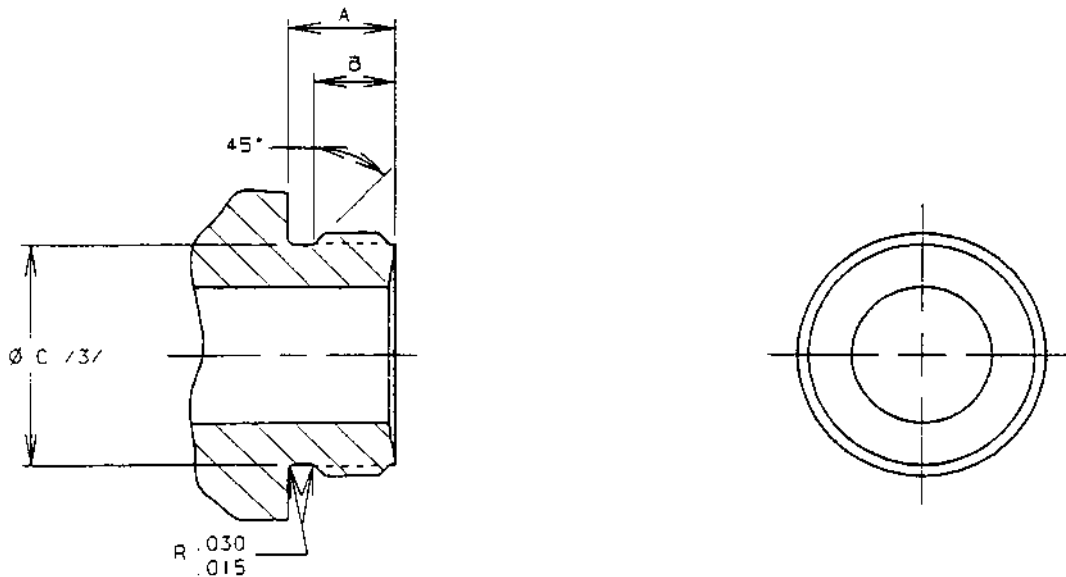
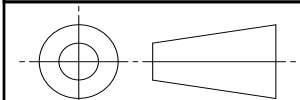


FIGURE 2 - FITTING END DESIGN, STYLE B
SAME AS STYLE A, EXCEPT AS SHOWN

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4207A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE /1/



AEROSPACE STANDARD

FITTING END, EXTERNAL THREAD,
BEAM SEAL, DESIGN STANDARD

AS4207
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Documents

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TABLE 1 - DIMENSIONS

BASIC NO. AS4207	(NOMINAL TUBE SIZE)	T THREAD PER MIL-S-8879	A	B	C ±.005	D /2/	E	H +0°30'/-0°
03	.188	.3750-28UNJS-3A	.233	.179	.318	.323-.329	.154-.164	3°00'
04	.250	.4375-24UNJS-3A	.275	.212	.373	.377-.383	.184-.194	8°30'
05	.312	.5000-24UNJS-3A	.275	.212	.436	.440-.446	.232-.242	8°30'
06	.375	.5625-20UNJS-3A	.295	.220	.488	.490-.497	.297-.307	8°30'
08	.500	.7188-20UNJS-3A	.308	.233	.644	.646-.654	.398-.408	8°30'
10	.625	.8438-18UNJS-3A	.372	.289	.762	.763-.772	.512-.523	8°30'
12	.750	1.0000-16UNJ-3A	.412	.318	.910	.910-.919	.649-.660	8°30'
14	.875	1.1250-16UNJ-3A	.430	.333	1.035	1.034-1.044	.769-.780	8°30'
16	1.000	1.2500-14UNJS-3A	.460	.353	1.149	1.148-1.158	.862-.874	8°30'
20	1.250	1.5781-14UNJS-3A	.457	.350	1.477	1.476-1.486	1.115-1.128	8°30'
24	1.500	1.8438-14UNJS-3A	.542	.435	1.742	1.741-1.751	1.324-1.337	8°30'

NOTES:

- /1/ THIS FITTING END IS DESIGNED FOR USE WITH BEAM SEAL FITTINGS PER MIL-F-85421 OR MIL-F-85720.
- (R) /2/ THREAD MARKS ON SURFACE DEFINED BY DIAMETER "D" ARE ACCEPTABLE.
- /3/ DIMENSIONS C, D, E, AND DATUM A SHALL HAVE CIRCULAR RUNOUT TO EACH OTHER AND WITH THE H ANGLE MEASURED AND CALCULATED AS AN INCLUDED ANGLE WITHIN .005 FULL INDICATOR MOVEMENT.
4. INTERPRETATION OF DRAWING PER ARP4296.
5. THE (R) IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS SPECIFICATION. IF THE SYMBOL IS NEXT TO THE SPECIFICATION TITLE, IT INDICATES A COMPLETE REVISION OF THE SPECIFICATION.
6. INVENTORIED PARTS WITH FITTING ENDS CONFORMING TO THE PREVIOUS "LETTER CHANGE" OF THIS STANDARD MAY BE USED TO DEPLETION.
7. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36; REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 μ in Ra.
8. BREAK EDGES .003 TO .005 UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994
10. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm$.015, ANGULAR DIMENSIONS $\pm$ 5°.
- /11/ EXAMPLE OF DRAWING CALLOUT:
- a. TABULATED PART DRAWING: FITTING END PER AS4207, STYLE A
- b. INDIVIDUAL PART DRAWING: AS4207 A 08

BASIC PART NUMBER _____ SIZE CODE, NOMINAL TUBE SIZE IN .062 INCREMENTS

STYLE DESIGNATION _____



AEROSPACE STANDARD

FITTING END, EXTERNAL THREAD,
BEAM SEAL, DESIGN STANDARD

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