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REV.
A

AS5227

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS5227A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

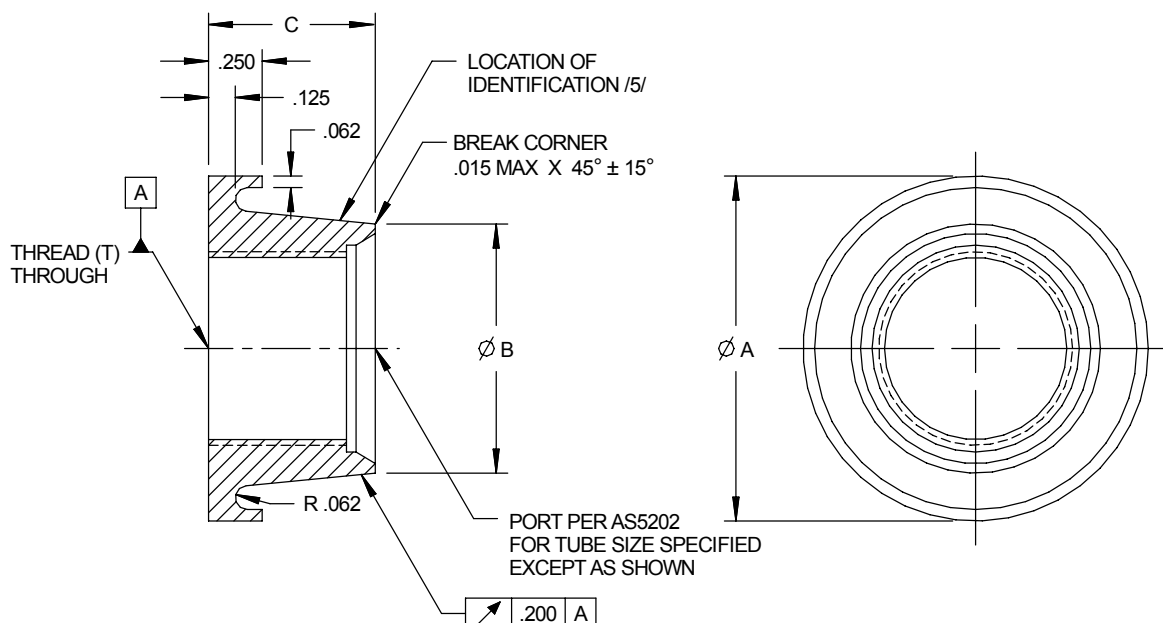


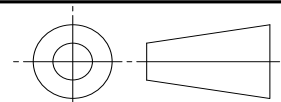
FIGURE 1 - FLANGE

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. AS5227 /12/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879	A	B +.060 -.000	C +.060 -.000	LB/EA APPROX REF AL	LB/EA APPROX REF STEEL
04	.250	.4375-20 UNJF-3B	1.437	.750	.593	.0600	.170
06	.375	.5625-18 UNJF-3B	1.562	.875	.593	.0700	.200
08	.500	.7500-16 UNJF-3B	1.750	1.062	.687	.100	.290
10	.625	.8750-14 UNJF-3B	1.875	1.187	.750	.110	.320
12	.750	1.0625-12 UNJ-3B	2.000	1.437	.906	.130	.370
16	1.000	1.3125-12 UNJ-3B	2.250	1.687	.937	.150	.450
20	1.250	1.6250-12 UNJ-3B	2.625	2.000	.984	.180	.520
24	1.500	1.8750-12 UNJ-3B	2.875	2.250	1.125	.220	.640

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS5227A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4875



AEROSPACE STANDARD

FLANGE, STRAIGHT
THREAD PORT, WELD

AS5227
SHEET 1 OF 3

REV.
A

NOTES:

/1/ MATERIAL:

- a. DASH AS CODE LETTER - TYPE F.S. 1020 OR F.S. 1025 CARBON STEEL PER ASTM A 108.
- b. CODE LETTER D - TYPE 6061-T6 ALUMINUM ALLOY BAR PER AMS 4117 OR AMS 4127.
- c. CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS 5648.

2. HEAT TREATMENT: NONE.

3. FINISH:

- a. DASH AS MATERIAL CODE LETTER - COAT STEEL PARTS WITH CORROSION PREVENTATIVE COMPOUND PER MIL-C-11796 OR MIL-PRF-16173.
- b. MATERIAL CODE LETTER D - NONE.
- c. MATERIAL CODE LETTER K - NONE.

/4/ PROCUREMENT SPECIFICATION: AS4875 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE NADCAP QUALIFIED MANUFACTURER LIST (QML) FOR THIS PRODUCT TYPE. THE QML IS AVAILABLE AT www.eauditnet.com.

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

- a. FOR SIZES 06 AND SMALLER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTERS "AS" AND MATERIAL CODE LETTER AND FORGING MANUFACTURER'S IDENTIFICATION WHEN MADE FROM FORGING.
- b. FOR SIZES 08 AND LARGER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER, MATERIAL CODE LETTER AND FORGING MANUFACTURER'S IDENTIFICATION WHEN MADE FROM FORGING.

6. INTENDED USE: THIS PART IS DESIGNED FOR USE IN SYSTEMS WITH MAXIMUM OPERATING PRESSURES AS FOLLOWS:

- a. SIZES 04 THROUGH 12 IN ALUMINUM ALLOY AND SIZES 04 THROUGH 16 IN STEEL AND CRES AT 3000 psi.
- b. SIZES 16 THROUGH 24 IN ALUMINUM ALLOY AND SIZES 20 THROUGH 24 IN STEEL AND CRES AT 1500 psi.

THIS STANDARD IS THE FUNCTIONAL EQUIVALENT OF AN871 AND IS INTENDED TO BE SUITABLE AS A REPLACEMENT STANDARD.

7. INTERPRETATION OF DRAWING PER ARP4296.

8. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 µin Ra. FORGED SURFACES MAY BE 250 µin Ra.

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

10. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.

	AEROSPACE STANDARD	AS5227	REV.
	FLANGE, STRAIGHT THREAD PORT, WELD	SHEET 2 OF 3	A



Documents

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