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REV.
A

AS4971™

FEDERAL SUPPLY CLASS
4730

RATIONALE

GRAPHICS REDRAWN TO SHOW DIMENSIONAL CHANGE FOR MINIMUM INTERNAL RADIUS. TABLES 1A AND 1B REDRAWN FOR CLARITY. PROCUREMENT SPECIFICATION NOTE NOW INCLUDES THE CURRENT QML STATEMENT. CENTER BODY DIMENSION NOTE 8 REVISED TO REFER TO AS1376 TABLE 5 IN LIEU OF TABLE 2. REFERENCE SPECIFICATIONS UPDATED TO CURRENT NOMENCLATURE. NOTE 15 REVISED. NOTE 16 ADDED.

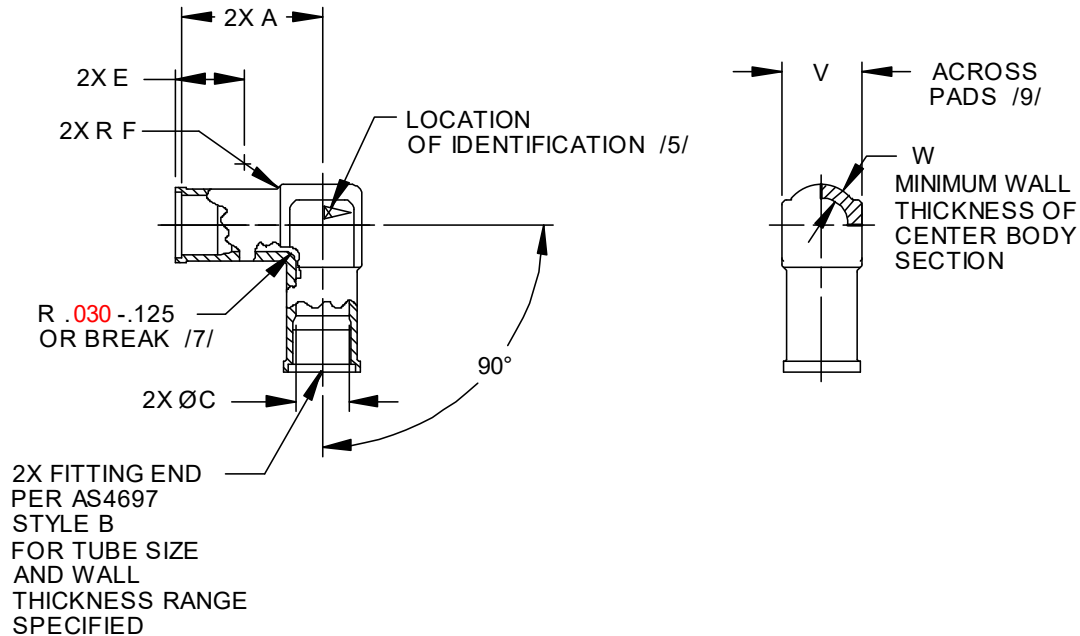
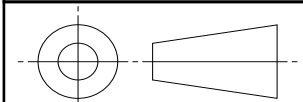


FIGURE 1 - FITTING, ELBOW, 90°

For more information on this standard, visit
<https://www.sae.org/standards/content/AS4971A/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4510 /4/



AEROSPACE STANDARD

(R) FITTING, ELBOW, 90°, WELD RING

AS4971™
SHEET 1 OF 3

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TABLE 1A - DIMENSIONS A TO F

BASIC NO. AS4971 /15/ SIZE AND TUBE WALL CODES	(RANGE OF NOMINAL TUBE WALLS) /6/ /15/	(NOMINAL TUBE SIZE)	A	C ±.005	E	F ±.015
04-022	.019-.022	.250	.906	.170	.650	.090
06-028	.023-.028	.375	.925	.283	.650	.090
06-032	.029-.032	.375	.925	.275	.650	.090
08-043	.033-.043	.500	.980	.378	.650	.090
10-055	.044-.055	.625	1.239	.479	.830	.125
12-055	.044-.055	.750	1.390	.604	.870	.125
12-065	.056-.065	.750	1.390	.584	.870	.125
16-078	.066-.078	1.000	1.640	.808	1.000	.125
16-089	.079-.089	1.000	1.640	.786	1.000	.125

TABLE 1B - DIMENSIONS V AND W

BASIC NO. AS4971 /15/ SIZE AND TUBE WALL CODES	V /9/	W	RECOMMENDED MAXIMUM PRESSURE PSI /6/	WEIGHT LB/EA MAX CRES	WEIGHT LB/EA MAX TI
04-022	.297- .314	.082	5000	.0245	.0140
06-028	.438- .455	.056	4000	.0362	.0207
06-032	.438- .455	.064	5000	.0383	.0219
08-043	.562- .580	.072	5000	.0662	.0378
10-055	.687- .705	.082	5000	.120	.0688
12-055	.875- .893	.112	4000	.192	.110
12-065	.875- .893	.125	5000	.209	.119
16-078	1.125-1.143	.130	4000	.376	.215
16-089	1.125-1.143	.152	5000	.406	.232

NOTES:

/1/ MATERIAL:

- a. CODE LETTER T: TYPE 6AI-4V TITANIUM ALLOY PER AMS4928.
- b. CODE LETTER V: TYPE 15-5PH CORROSION RESISTANT STEEL PER AMS5659.

2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER T: NONE.
- b. MATERIAL CODE LETTER V: HEAT TREAT TO CONDITION H1075 PER AMS2759/3.

3. FINISH: ALL MATERIAL CODES - NONE.

/4/ PROCUREMENT SPECIFICATION: AS4510. THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION IN A COMPLETE ASSEMBLY. PRODUCT MANUFACTURED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) AND VALUE ADDED DISTRIBUTORS (VAD) SHALL BE 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, 15B, MANUFACTURER'S NAME, CAGE CODE NUMBER OR TRADEMARK, BASIC PART NUMBER AND MATERIAL CODE LETTER, AND TUBE WALL CODE.

	AEROSPACE STANDARD		AS4971™ SHEET 2 OF 3	REV. A
	(R) FITTING, ELBOW, 90°, WELD RING			

 Documents


Documents

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