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REV.
C

AS4665™

FEDERAL SUPPLY CLASS
4730

RATIONALE

ADDED CONDUCTIVE HIGH PURITY ALUMINUM COATING FOR ALUMINUM ALLOY FITTINGS.

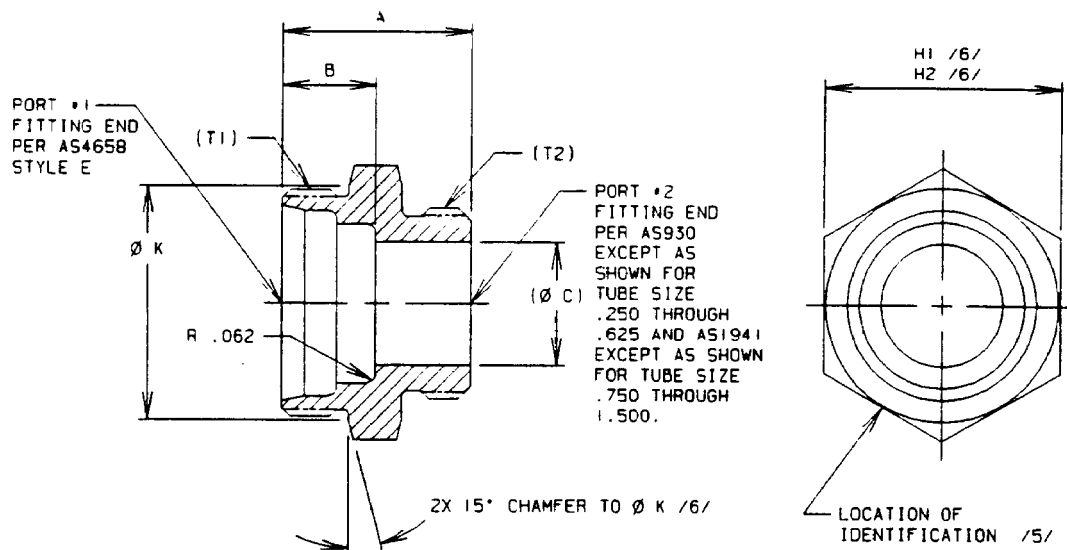


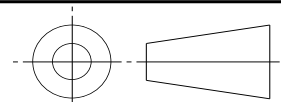
FIGURE 1 - FITTING, ADAPTER, UNION AND REDUCER

TABLE 1 - DIMENSIONS

PORT #1 SIZE /6/	A PORT #2 SIZE 04	A PORT #2 SIZE 06	A PORT #2 SIZE 08	A PORT #2 SIZE 10	A PORT #2 SIZE 12	A PORT #2 SIZE 16	A PORT #2 SIZE 20	A PORT #2 SIZE 24
20	1.238	1.238	1.278	1.278	1.451	1.520	1.520	--
24	--	--	--	--	1.514	1.583	1.583	1.614

SAE values your input. To provide feedback on this
Technical Report, please visit
<http://standards.sae.org/AS4665C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /4/



AEROSPACE STANDARD

FITTING, ADAPTER, UNION AND REDUCER,
SHORT FLARELESS TO BOSS

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Documents

TABLE 2 – PORT SIZES, CORRESPONDING, THREADS, HEX SIZES, AND HOLE DEPTH

PORT SIZE	(NOMINAL TUBE SIZE)	T1 THREAD PER AS8879 CLASS 3A	T2 THREAD PER AS8879 CLASS 3A	B	C	H1	H2	K1	K2
04	.250	--	.4375-20UNJF	--	.172	--	--	--	--
06	.375	--	.5625-18UNJF	--	.297	--	--	--	--
08	.500	--	.7500-16UNJF	--	.391	--	--	--	--
10	.625	--	.8750-14UNJF	--	.484	--	--	--	--
12	.750	--	1.0625-12UNJ	--	.609	--	--	--	--
16	1.000	--	1.3125-12UNJ	--	.845	--	--	--	--
20	1.250	1.5625-12UNJ	1.6250-12UNJ	.650	1.080	1.615-1.630	1.865-1.880	1.605	1.855
24	1.500	1.8125-12UNJ	1.8750-12UNJ	.682	1.314	1.865-1.880	2.115-2.135	1.855	2.105

NOTES

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

/1/ MATERIAL:

- a. CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS4928
- b. CODE LETTER V: TYPE 15-5PH CORROSION RESISTANT STEEL BAR PER AMS5659
- c. CODE LETTER W: TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124

2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER T: NONE
- b. MATERIAL CODE LETTER V: HEAT TREAT TO CONDITION H-1075 PER AMS2759/3
- c. MATERIAL CODE LETTER W: NONE

/3/ FINISH:

- a. MATERIAL CODE LETTER T - FLUORIDE PHOSPHATE CONVERSION COAT PER AMS2486
- b. MATERIAL CODE LETTER V:
 - (1) V CODE PARTS TO BE PASSIVATED ONLY WILL HAVE NO FINISH CODE LETTER AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE: PASSIVATE AMS2700 TYPE 2 OR 8.
 - (2) V CODE PARTS TO BE CADMIUM PLATED ONLY WILL HAVE THE FINISH CODE LETTER "P" AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE: CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
- c. MATERIAL CODE LETTER W:
 - (1) W CODE PARTS TO BE ANODIZED ONLY WILL HAVE NO FINISH CODE LETTER AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE ANODIZE PER AMS2472 OR PER MIL-A-8625, TYPE II, CLASS 2 DYED BROWN, SIMILAR TO COLOR 10080 OF AMS-STD-595.
 - (2) W CODE PARTS TO BE COATED WITH HIGH PURITY ALUMINUM ONLY WILL HAVE THE FINISH CODE LETTER "V" AFTER THE SIZE CODE IN THE PART NUMBER. SEE PROCUREMENT SPECIFICATION FOR REQUIREMENTS.

/4/ PROCUREMENT SPECIFICATION: AS18280, EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS18280 FOR THIS STANDARD. SEE www.eAuditNet.com FOR CURRENT QPL ONLINE.

	AEROSPACE STANDARD		AS4665™ SHEET 2 OF 3	REV. 6
	FITTING, ADAPTER, UNION AND REDUCER, SHORT FLARELESS TO BOSS			

