

REV.  
D

AS85421™/17

FEDERAL SUPPLY CLASS  
4730

RATIONALE

CUSTODIAN NOTE REVISED TO INCLUDE SUB-COMMITTEE GROUP. HEADINGS IN TABLE 1 REVISED. REFERENCE TO NOTE 6.4 OF THE PROCUREMENT SPECIFICATION MENTIONED BELOW TABLE 1 HAS BEEN REVISED TO POINT READER TO ACTUAL NAME OF PARAGRAPH (SAE PRACTICE IS TO NOT REFER TO PARAGRAPHS WITHIN ANOTHER DOCUMENT). FINISH FOR MATERIAL CODE LETTERS P AND V CHANGED FROM TYPE 6 OR 7 TO 2 OR 8. UPDATED PROCUREMENT SPECIFICATION NOTE TO CURRENT QPL VERBIAGE. TITANIUM USAGE NOTE 10 REMOVED (THIS NOTE SHOULD NOT BE PART OF THE PART STANDARD). ADDED NEW NOTE 11. REVISION INDICATOR NOTE REVISED TO CURRENT VERBIAGE.

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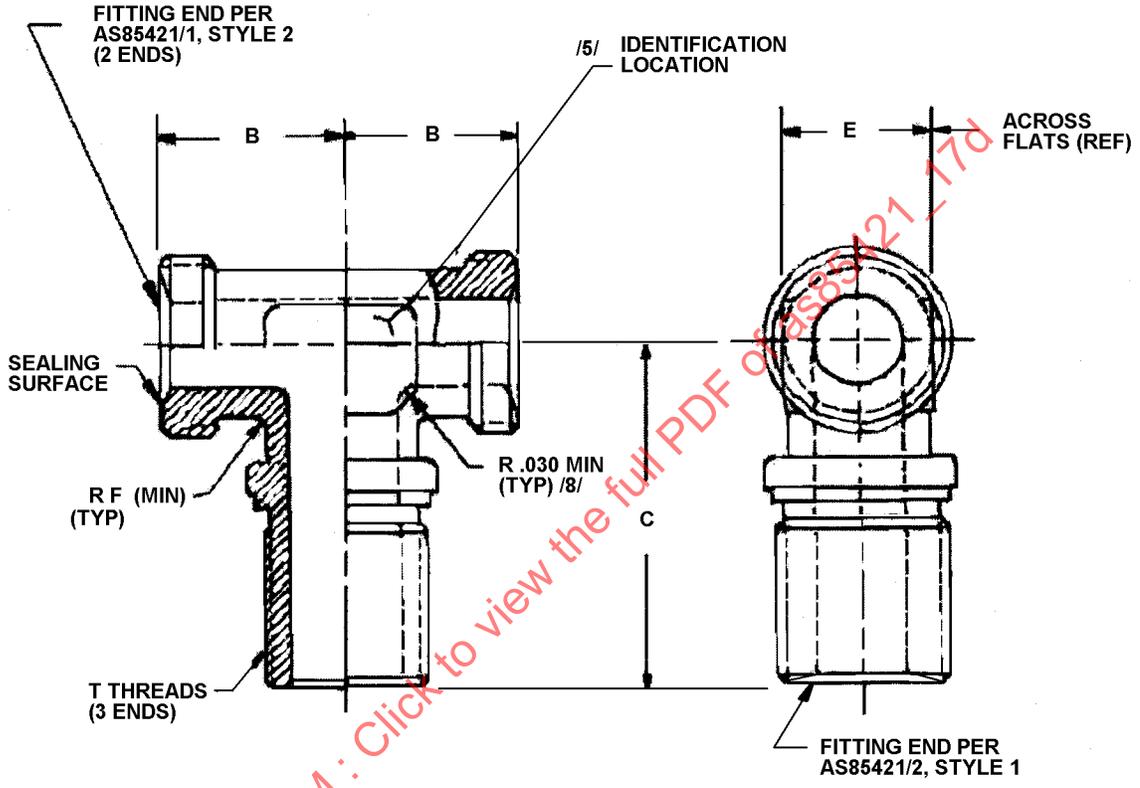
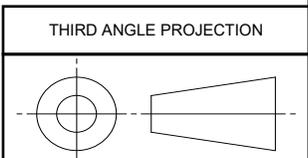


FIGURE 1

SAENORM.COM : Click to view the full PDF of AS85421-17D

For more information on this standard, visit <https://www.sae.org/standards/content/AS85421/17D/>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS85421 /4/



**AEROSPACE STANDARD**  
FITTING, TEE,  
BEAM SEAL, 3000/4000 PSI,  
BULKHEAD ON BRANCH, MALE ENDS

**AS85421™/17**  
SHEET 1 OF 3

**REV. D**

ISSUED 2001-05 REAFFIRMED 2015-05 REVISED 2022-10

**TABLE 1 - DIMENSIONS B TO F**

AS85421/17 SIZE CODE /16/	TUBE OD	T THREAD AS8879	B	C	E (REF)	F RAD (MIN)	MASS LB/EA APPROX REF	
							TI	CRES
03	.188	.3750-28UNJS-3A	.575	1.143	.375	.042	.035	.062
04	.250	.4375-24UNJS-3A	.617	1.225	.375	.042	.041	.073
05	.312	.5000-24UNJS-3A	.653	1.261	.438	.042	.054	.096
06	.375	.5625-20UNJS-3A	.704	1.353	.500	.042	.067	.119
08	.500	.7188-20UNJS-3A	.824	1.542	.562	.070	.114	.203
10	.625	.8438-18UNJS-3A	.955	1.769	.688	.070	.163	.288
12	.750	1.0000-16UNJ-3A	1.062	1.953	.875	.098	.233	.412
14	.875	1.1250-16UNJ-3A	1.216	2.188	1.125	.098	.387	.684
16	1.000	1.2500-14UNJS-3A	1.246	2.188	1.125	.098	.373	.659
20	1.250	1.5781-14UNJS-3A	1.387	2.326	1.375	.098	.572	1.012
24	1.500	1.8438-14UNJS-3A	1.688	2.712	1.625	.098	.928	1.643

SIZES -20 AND -24 WERE ORIGINALLY DESIGNATED AS SIZES -21 AND -25 ON SOME MANUFACTURER'S DRAWINGS. THESE SIZES WILL NOT CONNECT WITH THE ORIGINAL -20 AND -24 FITTINGS. SEE "DELETION OF SIZES 21 AND 25" NOTE IN THE PROCUREMENT SPECIFICATION FOR ADDITIONAL INFORMATION.

NOTES:

1/ MATERIAL:

- a. CODE LETTER P: TYPE 17-4PH CORROSION RESISTANT STEEL PER AMS5643.
- b. CODE LETTER T: TYPE 6AI-4V TITANIUM ALLOY BAR PER AMS4928 OR AMS4965.
- c. CODE LETTER V: TYPE 15-5PH, CORROSION RESISTANT STEEL PER AMS5659.

2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER P: CONDITION H1075 PER AMS2759/3.
- b. MATERIAL CODE LETTER T: NONE.
- c. MATERIAL CODE LETTER V: AGE TO CONDITION H1075 PER AMS-H-6875 OR AMS2759/3.

3. FINISH:

- a. MATERIAL CODE LETTER P: PASSIVATE PER AMS2700, TYPE 2 OR 8.
- b. MATERIAL CODE LETTER T: NONE.
- c. MATERIAL CODE LETTER V: PASSIVATE PER AMS2700, TYPE 2 OR 8.

4/ PROCUREMENT SPECIFICATION: AS85421 EXCEPT AS SPECIFIED ON THIS STANDARD. 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 PRI QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS85421 FOR THIS STANDARD. SEE [www.eAuditNet.com](http://www.eAuditNet.com) FOR CURRENT QPL ONLINE.

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 AND MATERIAL CODE LETTER, AND FORGING MANUFACTURER'S IDENTIFICATION WHEN MADE FROM FORGING.

	<b>AEROSPACE STANDARD</b>	<b>AS85421™/17</b> SHEET 2 OF 3	<b>REV.</b> <b>D</b>
	FITTING, TEE, BEAM SEAL, 3000/4000 PSI, BULKHEAD ON BRANCH, MALE ENDS		