

REV.  
D

AS85421™/3

RATIONALE

CUSTODIAN NOTE REVISED TO INCLUDE SUB-COMMITTEE GROUP. HEADINGS IN TABLE 1 REVISED. 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. ADDED NEW NOTE 11. TITANIUM USAGE NOTE 17 REMOVED (THIS NOTE SHOULD NOT BE PART OF THE PART STANDARD). REVISION INDICATOR NOTE REVISED TO CURRENT VERBIAGE.

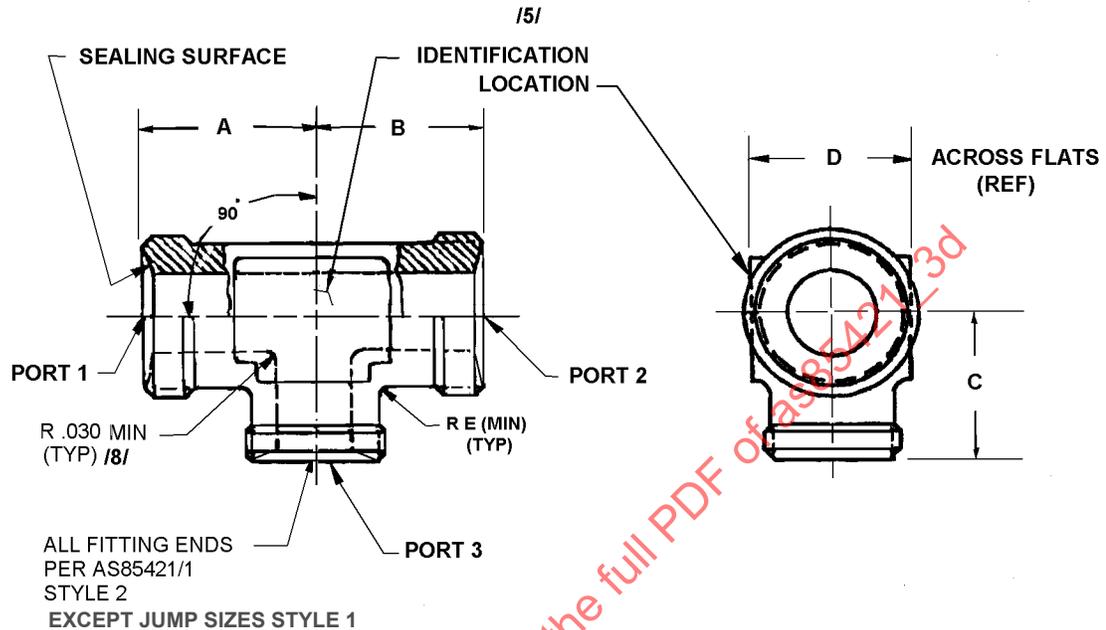
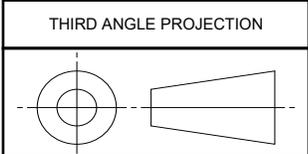


FIGURE 1

SAENORM.COM : Click to view the full PDF of AS85421/3d

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS85421/3D/>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS85421 /4/



**AEROSPACE STANDARD**

FITTING, TEE, REDUCER,  
BEAM SEAL, 3000/4000 PSI,  
3 MALE ENDS

AS85421™/3  
SHEET 1 OF 3

REV.  
D

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**TABLE 1 - DIMENSIONS A TO E**

AS85421/3			A	B	C	D (REF)	E RAD (MIN)	MASS LB/EA APPROX REF	
PORT #1 SIZE CODE /16/	PORT #2 SIZE CODE /16/	PORT #3 SIZE CODE /16/						TI	CRES
04	04	04	.684	.684	.684	.500	.042	.047	.083
04	04	06	.684	.684	.704	.500	.042	.046	.082
06	04	06	.704	.684	.704	.500	.042	.045	.080
06	06	04	.704	.704	.684	.500	.042	.045	.080
06	06	06	.704	.704	.704	.500	.042	.045	.080
06	06	08	.811	.811	.824	.562	.070	.074	.130
08	04	04	.824	.791	.791	.562	.070	.074	.131
08	04	08	.824	.791	.824	.562	.070	.074	.131
08	06	06	.824	.811	.811	.562	.070	.073	.129
08	08	04	.824	.824	.791	.562	.070	.074	.131
08	08	06	.824	.824	.811	.562	.070	.073	.130
08	08	08	.824	.824	.824	.562	.070	.074	.132
10	08	08	.955	.891	.891	.688	.070	.108	.191
10	10	08	.955	.955	.891	.688	.070	.107	.189
10	10	10	.955	.955	.955	.688	.070	.107	.189
12	08	08	1.062	.958	.958	.875	.098	.165	.292
12	10	08	1.062	1.022	.958	.875	.098	.165	.291
12	12	08	1.062	1.062	.958	.875	.098	.160	.283
12	12	12	1.062	1.062	1.062	.875	.098	.158	.279
12	12	16	1.198	1.198	1.246	1.125	.098	.294	.520
16	10	16	1.246	1.158	1.246	1.125	.098	.280	.495
16	12	12	1.246	1.198	1.198	1.125	.098	.286	.507
16	16	10	1.246	1.246	1.158	1.125	.098	.276	.488
16	16	16	1.246	1.246	1.246	1.125	.098	.266	.471

NOTES:

1/ MATERIAL:

- a. CODE LETTER P: TYPE 17-4PH CORROSION RESISTANT STEEL PER AMS5643.
- b. CODE LETTER T: TYPE 6Al-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.

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