

REV.
F

AS85421™/4

FEDERAL SUPPLY CLASS
4730

RATIONALE

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 12.

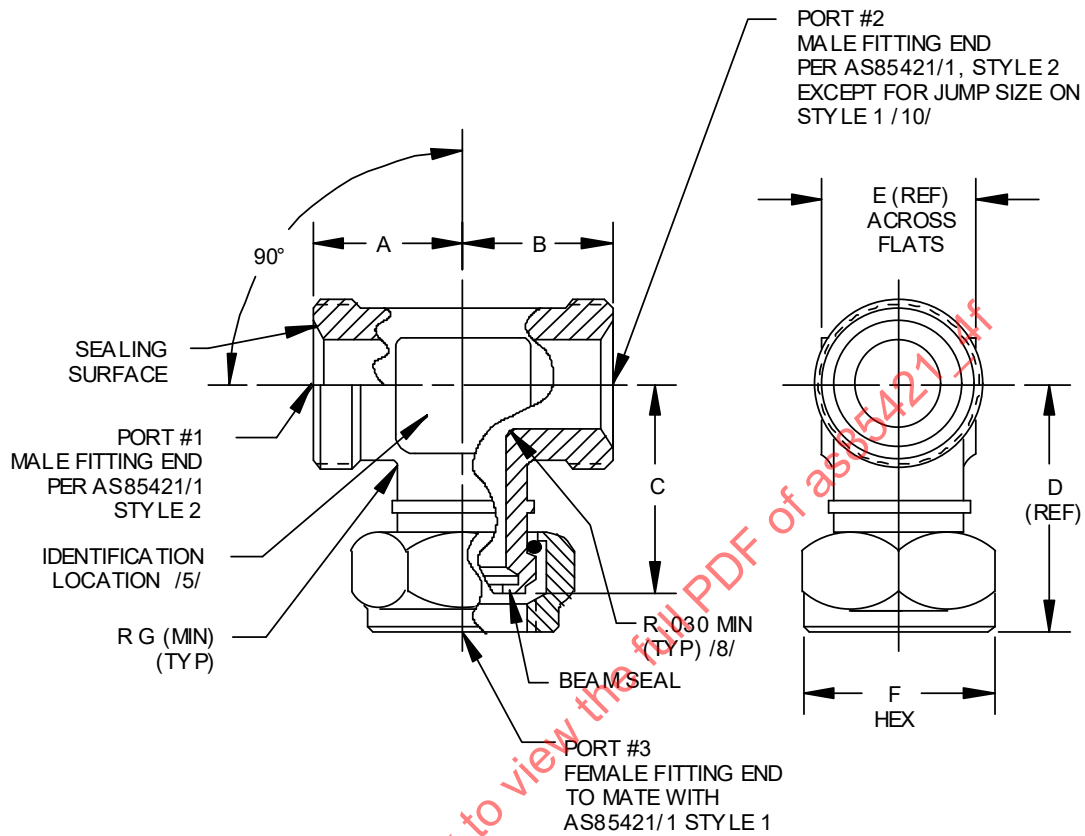
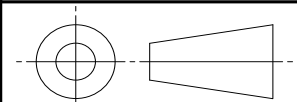


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85421/4F/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS85421 /4/



AEROSPACE STANDARD

FITTING, TEE, REDUCER AND NON-REDUCER,
BEAM SEAL, 3000/4000 PSI, MALE ON RUN,
SWIVEL NUT ON BRANCH

AS85421™/4
SHEET 1 OF 3

REV.
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TABLE 1 - DIMENSIONS A TO G

AS85421/4			A	B	C	D (REF)	E (REF)	F		G RAD (MIN)	MASS LB/EA APPROX REF	
PORT #1 SIZE CODE /17/	PORT #2 SIZE CODE /17/	PORT #3 SIZE CODE /17/						MIN	MAX		TI	CRES
04	04	04	.684	.684	.808	1.014	.500	.558	.565	.042	.056	.098
04	04	06	.684	.684	.945	1.178	.500	.684	.691	.042	.068	.118
06	06	04	.704	.704	.808	1.014	.500	.558	.565	.042	.054	.094
06	06	06	.704	.704	.945	1.178	.500	.684	.691	.042	.066	.116
06	06	08	.811	.811	1.045	1.294	.562	.871	.878	.070	.105	.184
06	06	10	.878	.878	1.178	1.485	.688	.996	1.003	.070	.151	.264
06	04	08	.811	.791	1.045	1.294	.562	.871	.878	.070	.106	.186
08	04	06	.824	.791	.945	1.178	.562	.684	.691	.070	.090	.157
08	08	08	.824	.824	1.045	1.294	.562	.871	.878	.070	.106	.186
10	10	10	.955	.955	1.178	1.485	.688	.996	1.003	.098	.148	.259
12	12	10	1.062	1.062	1.178	1.485	.875	.996	1.003	.098	.192	.338
12	12	12	1.062	1.062	1.316	1.659	.875	1.121	1.128	.098	.203	.357
16	10	10	1.246	1.158	1.275	1.582	1.125	.996	1.003	.098	.315	.555

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.

/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 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.

6. INVENTORIED PARTS CONFORMING TO THE PREVIOUS "LETTER CHANGE" MAY BE USED TO DEPLETION.

	AEROSPACE STANDARD	AS85421™/4 SHEET 2 OF 3	REV. F
	FITTING, TEE, REDUCER AND NON-REDUCER, BEAM SEAL, 3000/4000 PSI, MALE ON RUN, SWIVEL NUT ON BRANCH		