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REV.
D

AS85421™/10

FEDERAL SUPPLY CLASS
4730

RATIONALE

CHANGE THE FINISH REQUIREMENT FOR TITANIUM MATERIAL TO "NONE" AND UPDATE TO LATEST SAE REQUIREMENTS.

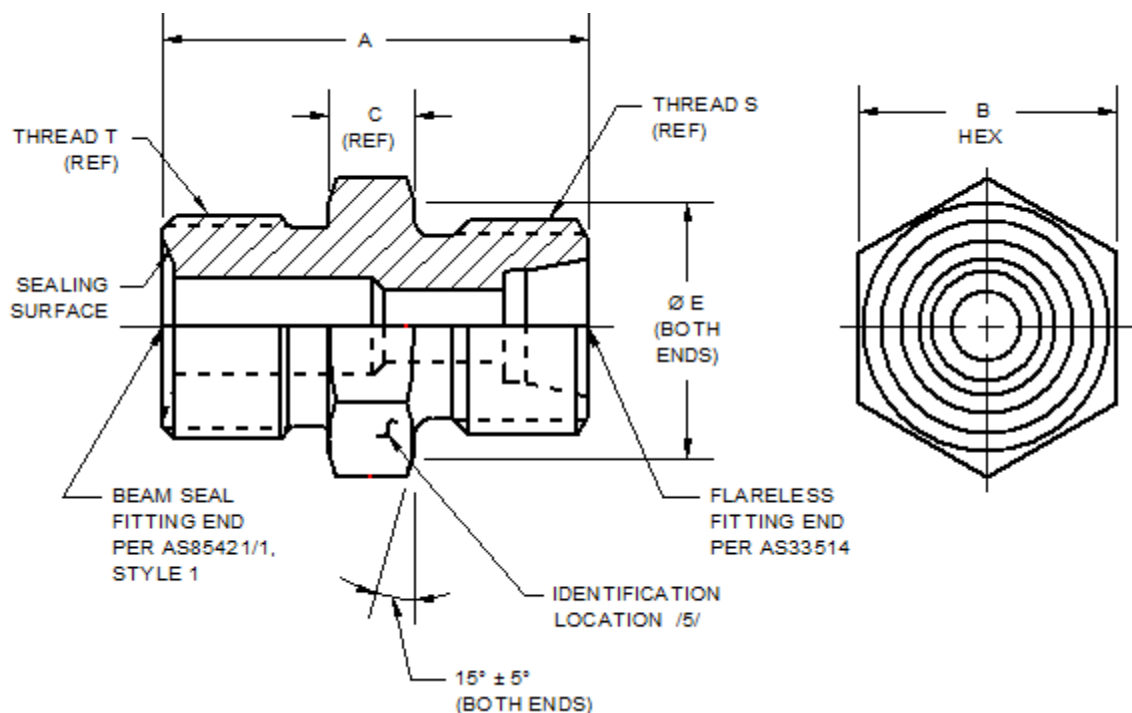
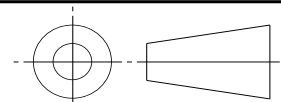


FIGURE 1

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS85421/10D>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G3-B

PROCUREMENT SPECIFICATION: AS85421 /4/



AEROSPACE STANDARD

FITTING, ADAPTER,
BEAM SEAL,
3000/4000 PSI, MALE TO FLARELESS

AS85421™/10
SHEET 1 OF 3

REV.
D

Documents

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TABLE 1 - DIMENSIONAL DATA

DASH NO.	TUBE OD	S THREAD AS8879	T THREAD AS8879	A	B		C REF	E	MASS, LB/EA, APPROX, REF	
									TI	CRES
-03	.188	.3750-24UNJF-3A	.3750-28UNJS-3A	.855	.375	+0.003 -0.004	.200	.350	.021	.038
-04	.250	.4375-20UNJF-3A	.4375-24UNJS-3A	.960	.438		.232	.413	.030	.052
-05	.313	.5000-20UNJF-3A	.5000-24UNJS-3A	.970	.500		.242	.475	.036	.064
-06	.375	.5625-18UNJF-3A	.5625-20UNJS-3A	1.052	.562		.288	.537	.046	.081
-08	.500	.7500-16UNJF-3A	.7188-20UNJS-3A	1.170	.750		.300	.725	.077	.137
-10	.625	.8750-14UNJF-3A	.8438-18UNJS-3A	1.303	.875		.306	.850	.102	.181
-12	.750	1.0625-12UNJ-3A	1.0000-16UNJ-3A	1.480	1.000		.380	.975	.156	.276
-16	1.000	1.3125-12UNJ-3A	1.2500-14UNJS-3A	1.560	1.250	±0.016	.412	1.225	.219	.388
-20	1.250	1.6250-12UNJ-3A	1.5781-14UNJS-3A	1.583	1.625		.438	1.600	.313	.553
-24	1.500	1.8750-12UNJ-3A	1.8438-14UNJS-3A	1.668	1.875		.438	1.850	.395	.699

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 6.4 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 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 H 1075 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 SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS85421 FOR THIS STANDARD. SEE www.eAuditNet.com FOR CURRENT QPL ON-LINE.

/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.

7. INTENDED USE: THIS PART IS DESIGNED FOR USE IN SYSTEMS WITH MAXIMUM OPERATING PRESSURES AS FOLLOWS:

- a. CORROSION RESISTANT STEEL AT 3000 PSI.
- b. TITANIUM ALLOY AT 4000 PSI.

8. DRY FILM LUBRICANT: APPLY DRY FILM LUBRICANT PER AS5272, TYPE I TO SEALING SURFACE. OVERSPRAY IN BORE IS NOT PERMITTED.

	AEROSPACE STANDARD		AS85421™/10 SHEET 2 OF 3	REV. D
	FITTING, ADAPTER, BEAM SEAL, 3000/4000 PSI, MALE TO FLARELESS			