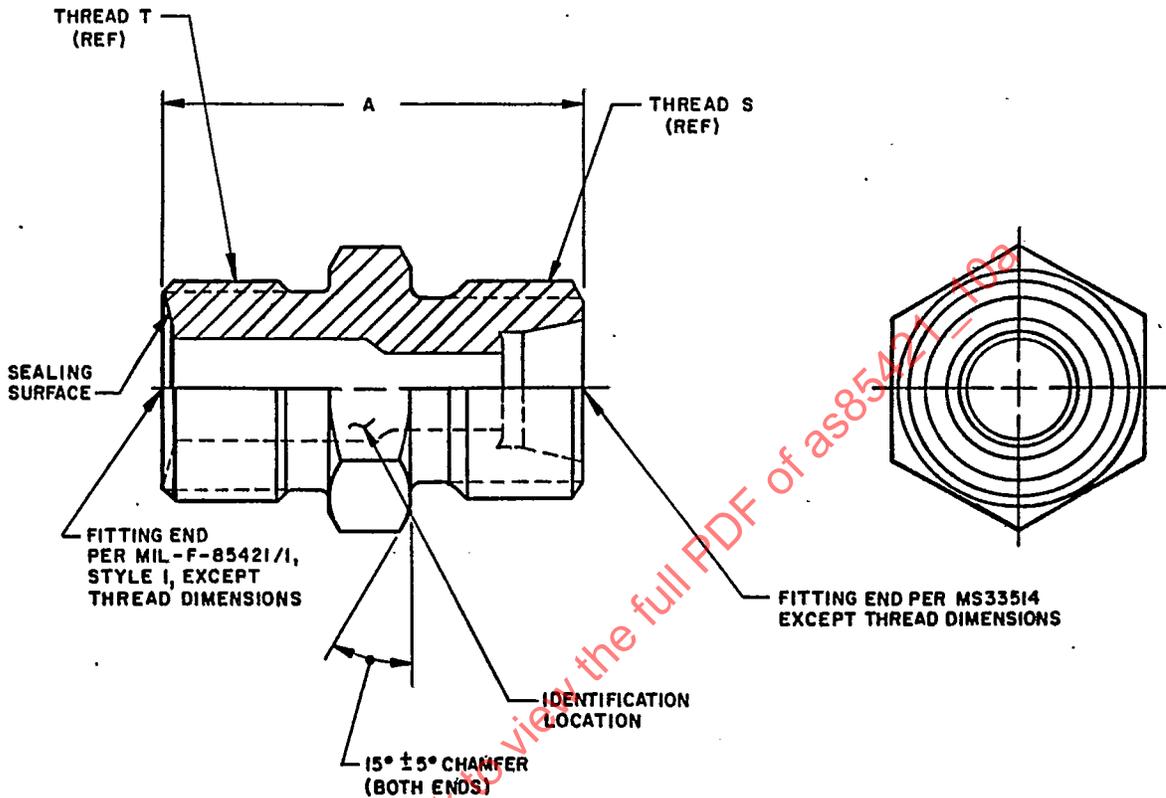


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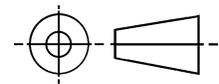
AS85421/10

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION: MIL-F-85421.



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THIRD ANGLE PROJECTION



ISSUED 2002-01 REVISED 2002-03

PREPARED BY SAE COMMITTEE G-3

PROCUREMENT SPECIFICATION: AS85421



**AEROSPACE STANDARD**

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

**AS85421/10**  
SHEET 1 OF 3

**REV.  
A**

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TABLE I. DIMENSIONAL DATA

Dash No.	Tube O.D.	S Thread MIL-S-8879 (Ref)	T Thread MIL-S-8879 (Ref)	A	Wt Lbs (Max)	
					Ti	Cres
-03	.188	.3750-24UNJF-3A	.3750-28UNJS-3A	.855	.019	.033
-04	.250	.4375-20UNJF-3A	.4375-24UNJS-3A	.960	.023	.042
-05	.312	.5000-20UNJF-3A	.5000-24UNJS-3A	.970	.031	.054
-06	.375	.5625-18UNJF-3A	.5625-20UNJS-3A	1.052	.037	.064
-08	.500	.7500-16UNJF-3A	.7188-20UNJS-3A	1.170	.066	.121
-10	.625	.8750-14UNJF-3A	.8438-18UNJS-3A	1.303	.088	.156
-12	.750	1.0625-12UNJ-3A	1.0000-16UNJ-3A	1.480	.144	.264
-16	1.000	1.3125-12UNJ-3A	1.2500-14UNJS-3A	1.560	.209	.370
-20	1.250	1.6250-12UNJ-3A	1.5781-14UNJS-3A	1.583	.304	.537
-24	1.500	1.8750-12UNJ-3A	1.8438-14UNJS-3A	1.668	.360	.636

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 paragraph 6.9 in the procurement specification for additional information. This note applies to the beam seal end only.

## REQUIREMENTS:

- Materials: Titanium Alloy } See procurement  
Corrosion Resistant Steel } specification
- Finish: Titanium: Fluoride phosphate coat per AMS 2486.  
Corrosion Resistant Steel: Surface shall be treated and passivated per QQ-P-35.

## NOTES:

- Dimensions are in inches. Unless otherwise specified, tolerances: decimals  $\pm .015$ .
- Remove all burrs and break all sharp edges.
- All machined surfaces shall be smooth to 125 microinches  $R_a$  per ANSI/ASME B46.1 unless otherwise specified.