

REV. A AS85421/11	<p style="text-align: right;">FEDERAL SUPPLY CLASS 4730</p> <p>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.</p>
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<p>PREPARED BY SAE COMMITTEE G-3</p>	<p>PROCUREMENT SPECIFICATION: AS85421</p>
<p>SAE The Engineering Society For Advancing Mobility Land Sea Air and Space® INTERNATIONAL 400 Commonwealth Drive, Warrendale, PA 15096-0001</p>	<p>AEROSPACE STANDARD FITTING, UNION, BEAM SEAL, 3000/4000 PSI, MALE ENDS</p>
<p>AS85421/11 SHEET 1 OF 3</p>	<p>REV. A</p>

REV.
A
AS85421/11

TABLE I. DIMENSIONAL DATA

Dash No.	Tube O.D.	T Thread MIL-S-8879 (Ref)	A	B (Ref)	C (Ref)	ØE (Min)	Wt Lbs (Max)	
							Ti	Cres
-03	.188	.3750-28UNJS-3A	.637	.375	.156	.350	.017	.030
-04	.250	.4375-24UNJS-3A	.727	.438	.162	.413	.018	.031
-05	.312	.5000-24UNJS-3A	.739	.500	.174	.475	.021	.037
-06	.375	.5625-20UNJS-3A	.793	.562	.188	.537	.025	.045
-08	.500	.7188-20UNJS-3A	.873	.750	.242	.725	.041	.072
-10	.625	.8438-18UNJS-3A	1.051	.875	.292	.850	.073	.130
-12	.750	1.0000-16UNJ-3A	1.139	1.000	.300	.975	.102	.180
-14	.875	1.1250-16UNJ-3A	1.181	1.125	.306	1.100	.113	.200
-16	1.000	1.2500-14UNJS-3A	1.307	1.250	.372	1.225	.138	.244
-20	1.250	1.5781-14UNJS-3A	1.341	1.625	.412	1.600	.178	.316
-24	1.500	1.8438-14UNJS-3A	1.537	1.875	.438	1.850	.262	.463

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.

REQUIREMENTS:

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

NOTES:

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