

UPDATE MAXIMUM WEIGHT VALUES IN TABLE 1B AS VERIFIED THROUGH CAD MODELING

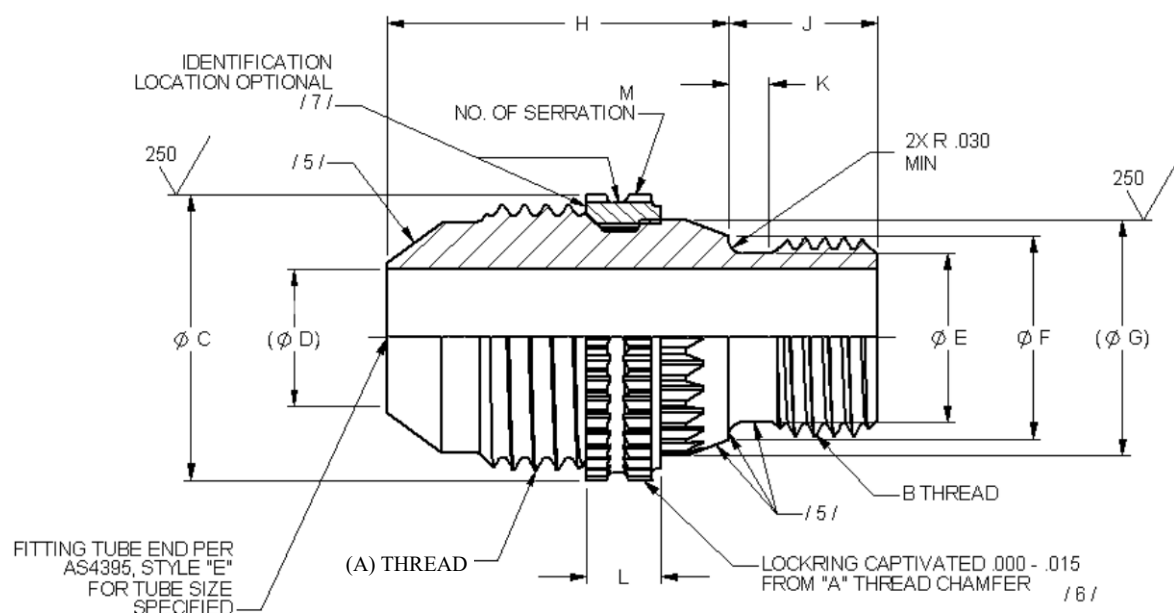


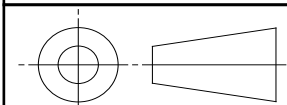
FIGURE 1 - ADAPTER, ASSEMBLY

TABLE 1A - DIMENSIONS A-G

BASIC NO. AS1985 /16/ SIZE CODE	(NOMINAL TUBE SIZE)	A THREAD AS8879	B THREAD AS8879	C	D	E + .005 - .002	F MIN	G
02	.125	.3125-24UNJF-3A	.2160-28UNJF-3A	.400	.058- .065	.154	.246	.317
03	.188	.3750-24UNJF-3A	.2500-28UNJF-3A	.468	.121- .128	.186	.278	.349
04	.250	.4375-20UNJF-3A	.3125-24UNJF-3A	.514	.168- .175	.239	.331	.400
05	.312	.5000-20UNJF-3A	.3750-24UNJF-3A	.624	.230- .237	.301	.393	.491
06	.375	.5625-18UNJF-3A	.4375-20UNJF-3A	.700	.293- .301	.364	.456	.544
08	.500	.7500-16UNJF-3A	.5625-18UNJF-3A	.814	.387- .395	.482	.574	.670
10	.625	.8750-14UNJF-3A	.6875-24UNJEF-3A	1.040	.480- .488	.625	.717	.824
12	.750	1.0625-12UNJ-3A	.8125-20UNJEF-3A	1.170	.604- .614	.737	.891	.981
16	1.000	1.3125-12UNJ-3A	1.1250-18UNJEF-3A	1.456	.839- .851	1.000	1.154	1.251
20	1.250	1.6250-12UNJ-3A	1.3125-18UNJEF-3A	1.782	1.073-1.086	1.225	1.379	1.466
24	1.500	1.8750-12UNJ-3A	1.6250-18UNJEF-3A	2.031	1.307-1.320	1.502	1.656	1.768
32	2.000	2.5000-12UNJ-3A	2.1250-16UNJ-3A	2.548	1.776-1.791	2.040	2.194	2.311

For more information on this standard, visit
<https://www.sae.org/standards/content/AS1985E/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4841 /4/



AEROSPACE STANDARD

FITTING, ASSEMBLY, ADAPTER RING LOCKED PORT CONNECTION TO FLARED TUBE END

AS1985™
SHEET 1 OF 3

REV.
E

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TABLE 1B - DIMENSIONS H-M AND WEIGHTS

BASIC NO. AS1985 /16/ SIZE CODE	H +.010 -.005	J +.000 -.015	K +.010 -.005	L ±.007	M	WEIGHT LB/EA MAX
02	.743	.300	.125	.192	24	.010
03	.774	.355	.125	.192	26	.014
04	.845	.355	.125	.192	30	.018
05	.845	.381	.125	.192	36	.025
06	.872	.395	.125	.210	36	.031
08	.973	.430	.125	.210	40	.050
10	1.074	.465	.125	.210	38	.083
12	1.190	.527	.157	.220	40	.116
16	1.237	.564	.157	.220	36	.175
20	1.311	.569	.157	.240	56	.253
24	1.435	.608	.157	.240	81	.355
32	1.726	.730	.157	.240	102	.688

NOTES:

1. MATERIAL:

- a. FITTING: 6AL-4V TITANIUM ALLOY PER AMS4928, AMS4965, OR AMS4967.
- b. LOCKRING: A286 CORROSION-RESISTANT STEEL PER AMS5731, AMS5732, AMS5734, AMS5737, OR AMS5853.

2. HEAT TREATMENT:

- a. FITTING: 130 KSI UTS MIN.
- b. LOCKRING: 34 TO 40 HRC.

3. FINISH:

- a. FITTING: ANODIC TREATMENT PER AMS2488, TYPE 2.
- b. LOCKRING: PASSIVATE PER AMS2700, TYPE 2.

/4/ PROCUREMENT SPECIFICATION: AS4841, EXCEPT AS SPECIFIED IN THIS STANDARD. PRODUCT MANUFACTURED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) SHALL BE LISTED IN THE NADCAP QUALIFIED MANUFACTURER LIST (QML) FOR THIS PRODUCT TYPE. THE QML IS AVAILABLE AT www.eAuditNet.com. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL BY STANDARD PAGE SUPPLEMENT OR SIMILAR MEANS.

/5/ SEALING SURFACE: NO VISIBLE DEFECTS. TO BE PROTECTED FOR SHIPMENT.

/6/ LOCKRING RETAINED ON FITTING BY CONTROLLED INTERFERENCE FIT.

/7/ IDENTIFICATION:

- a. MARK AT LOCATION(S) SHOWN PER AS478 METHOD 2 OR 15, MANUFACTURER'S NAME, TRADEMARK, OR CAGE CODE.
- b. BAG AND TAG PER AS478, METHOD 35D, MANUFACTURER'S NAME, TRADEMARK, OR CAGE CODE AND PART NUMBER.

8. WORKING PRESSURE: THIS PART IS DESIGNED FOR USE IN 4000 PSI WORKING PRESSURE SYSTEMS COMPATIBLE WITH TITANIUM.

9. ADAPTERS TO BE INSTALLED PER AS1301 INTO BOSS CAVITIES PER AS1300.

10. REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

	AEROSPACE STANDARD		AS1985™ SHEET 1 OF 3	REV. F
	FITTING, ASSEMBLY, ADAPTER RING LOCKED PORT CONNECTION TO FLARED TUBE END			

