

REV. B

AS4099

FEDERAL SUPPLY CLASS
4730

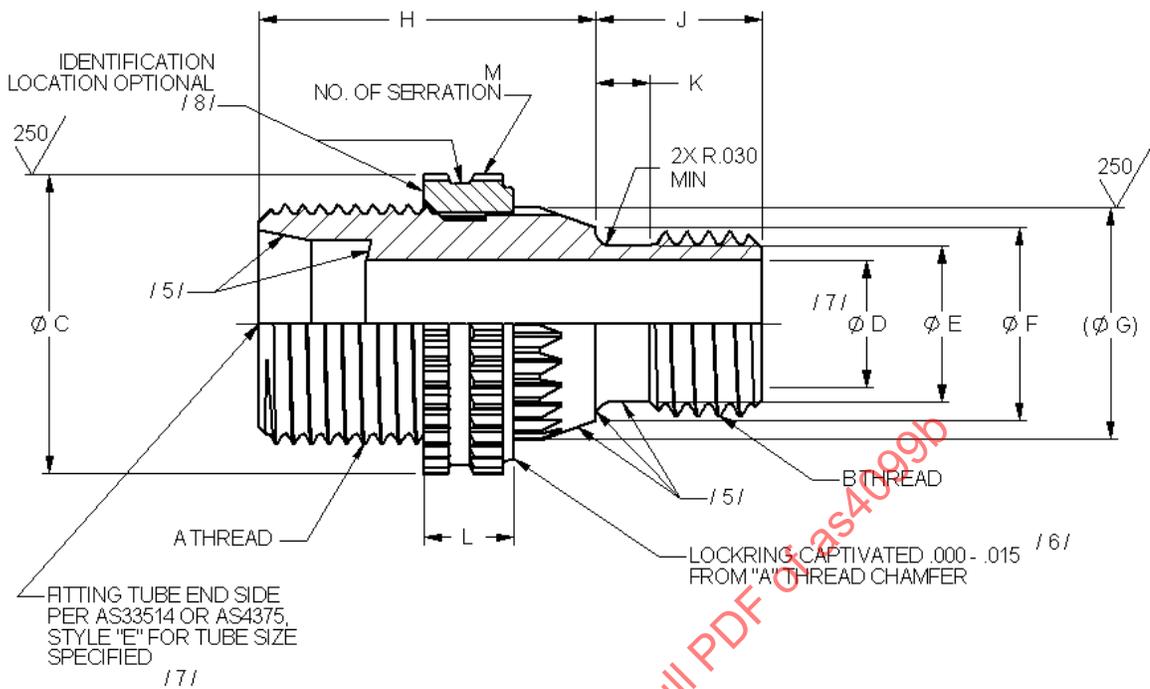
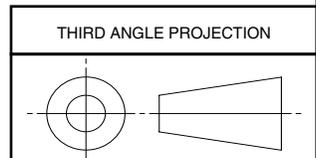


FIGURE 1 - ADAPTER, ASSEMBLY

TABLE 1A - DIMENSIONS A-G

BASIC NO. AS4099 /17/ SIZE CODE	(NOMINAL TUBE SIZE)	A THREAD AS8879	B THREAD AS8879	C	D /7/	E +.005 -.002	F MIN	G
02	.125	.3125-24UNJF-3A	.2160-28UNJF-3A	.400	.090- .096	.154	.246	.317
03	.188	.3750-24UNJF-3A	.2500-28UNJF-3A	.468	.122- .128	.186	.278	.349
04	.250	.4375-20UNJF-3A	.3125-24UNJF-3A	.514	.169- .175	.239	.331	.400
05	.312	.5000-20UNJF-3A	.3750-24UNJF-3A	.624	.231- .237	.301	.393	.491
06	.375	.5625-18UNJF-3A	.4375-20UNJF-3A	.700	.294- .300	.364	.456	.544
08	.500	.7500-16UNJF-3A	.5625-18UNJF-3A	.814	.419- .425	.482	.574	.670
10	.625	.8750-14UNJF-3A	.6875-24UNJEF-3A	1.040	.497- .503	.625	.717	.824
12	.750	1.0625-12UNJ-3A	.8125-20UNJEF-3A	1.170	.653- .659	.737	.891	.981
16	1.000	1.3125-12UNJ-3A	1.1250-18UNJEF-3A	1.456	.872- .878	1.000	1.154	1.251
20	1.250	1.6250-12UNJ-3A	1.3125-18UNJEF-3A	1.782	1.090-1.096	1.225	1.379	1.466
24	1.500	1.8750-12UNJ-3A	1.6250-18UNJEF-3A	2.031	1.341-1.347	1.502	1.656	1.768
32	2.000	2.5000-12UNJ-3A	2.1250-16UNJ-3A	2.548	1.810-1.816	2.040	2.194	2.311



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS18280



AEROSPACE STANDARD

(R) ADAPTER, ASSEMBLY - PORT CONNECTION
RING LOCKED TO FLARELESS TUBE END

AS4099
SHEET 1 OF 3

REV. B

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

ISSUED 1988-02 REAFFIRMED 2000-06 REVISED 2005-05

TABLE 1B - DIMENSIONS H-M AND WEIGHTS

BASIC NO. AS4099 /17/ SIZE CODE	H +.010 -.005	J +.000 -.015	K +.010 -.005	L ±.007	M	WEIGHT LB/EA MAX
02	.674	.300	.125	.192	24	.009
03	.721	.355	.125	.192	26	.013
04	.752	.355	.125	.192	30	.015
05	.752	.381	.125	.192	36	.022
06	.789	.395	.125	.210	36	.026
08	.882	.430	.125	.210	40	.039
10	.945	.465	.125	.210	38	.064
12	1.018	.527	.157	.220	40	.084
16	1.018	.564	.157	.220	36	.129
20	1.045	.569	.157	.240	56	.189
24	1.045	.608	.157	.240	81	.248
32	1.086	.730	.157	.240	102	.411

NOTES:

1. MATERIAL:

- a. FITTING: 6A1-4V TITANIUM ALLOY PER AMS 4928, AMS 4965, OR AMS 4967.
- b. LOCKRING: A286 CORROSION RESISTANT STEEL PER AMS 5731, AMS 5732, AMS 5734 OR AMS 5737.

2. HEAT TREATMENT:

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

3. FINISH:

- a. FITTING: ANODIC TREATMENT PER AMS 2488, TYPE 2.
- b. LOCKRING: PASSIVATE PER AMS-QQ-P-35, TY II.

/4/ PROCUREMENT SPECIFICATION: AS18280 EXCEPT AS SPECIFIED ON THIS STANDARD. COMPONENTS SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST FOR PRI-QPL-AS18280 FOR THIS STANDARD. SEE <http://www.pri.sae.org/QPL/as18280.pdf> FOR CURRENT QPL ONLINE. NOTE THAT MANUFACTURERS ARE ACCREDITED BY PART NUMBER, SIZE AND MATERIALS ON THE PRI-QPL-AS18280.

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

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

/7/ "D" DIAMETER FOR DASH -04 IS .184-.190 ON AS33514 OR AS4375 ENDS AND REDUCED TO "D" DIAMETER PER THIS STANDARD ON OPPOSITE END.

/8/ IDENTIFICATION:

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