

IDENTIFICATION LOCATION OPTIONAL

250

ϕC

151

NO. OF SERRATION

M

K

2X R.030 MIN

171

ϕD

ϕE

ϕF

(ϕG)

A THREAD

L

B THREAD

151

LOCKING CAPTIVATED .000 - .015 FROM "A" THREAD CHAMFER

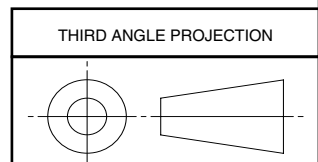
FITTING TUBE END SIDE PER AS33514 OR AS4375, STYLE "E" FOR TUBE SIZE SPECIFIED

171

Full PDF of as4099C

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



PROCUREMENT SPECIFICATION: /4/ AS18280

SAE WEB ADDRESS: <http://www.sae.org>

SSUED 1988-02	REAFFIRMED 2000-06	REVISED 2007-07
---------------	--------------------	-----------------

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	LB/EA MAX
02	.674	.300	.125	.192	24	.012
03	.721	.355	.125	.192	26	.017
04	.752	.355	.125	.192	30	.022
05	.752	.381	.125	.192	36	.027
06	.789	.395	.125	.210	36	.033
08	.882	.430	.125	.210	40	.052
10	.945	.465	.125	.210	38	.083
12	1.018	.527	.157	.220	40	.111
16	1.018	.564	.157	.220	36	.165
20	1.045	.569	.157	.240	56	.236
24	1.045	.608	.157	.240	81	.285
32	1.086	.730	.157	.240	102	.535

NOTES:

1. MATERIAL:

- a. FITTING: 6AL-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 2700, TYPE 2 or 8.

/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.

/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 15, MANUFACTURER'S NAME, TRADEMARK, OR CAGE CODE.
- b. MARK PER AS478, METHOD 35D, MANUFACTURER'S NAME, TRADEMARK, OR CAGE CODE AND PART NUMBER.