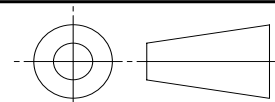


SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.



TABLE 1A - DIMENSIONS A-E

BASIC NO. AS5550 /15/ SIZE CODE	(NOMINAL TUBE SIZE)	A THREAD AS8879	B THREAD AS8879	C	(D)	DD	E +.005 -.002
04	.250	.4375-28UNJEF-3A	.3125-24UNJF-3A	.514	.184- .190	.160- .175	.239
06	.375	.5625-24UNJEF-3A	.4375-20UNJF-3A	.700	.294- .300	.273- .300	.364
08	.500	.7500-20UNJEF-3A	.5625-18UNJF-3A	.814	.419- .425	.377- .408	.482
10	.625	.8750-20UNJEF-3A	.6875-24UNJEF-3A	1.040	.497- .503	.477- .503	.625
12	.750	1.0625-18UNJEF-3A	.8125-20UNJEF-3A	1.170	.653- .659	.576- .614	.737
16	1.000	1.3125-16UNJ-3A	1.1250-18UNJEF-3A	1.456	.872- .878	.804- .851	1.000
20	1.250	1.6250-16UNJ-3A	1.3125-18UNJEF-3A	1.782	1.090-1.096	1.001-1.039	1.225



PROCUREMENT SPECIFICATION: /4/ AS5000



ISSUED 2005-10

TABLE 1B - DIMENSIONS F-M AND WEIGHTS

BASIC NO. AS5550 /15/ SIZE CODE	F MIN	(G)	H	J +.000 -.015	K +.010 -.005	L ±.007	M	LB/EA MAX
04	.331	.400	.752	.355	.125	.192	30	.016
06	.456	.544	.789	.395	.125	.210	36	.027
08	.574	.670	.882	.430	.125	.210	40	.041
10	.717	.824	.945	.465	.125	.210	38	.066
12	.891	.981	1.018	.527	.157	.220	40	.091
16	1.154	1.251	1.018	.564	.157	.220	36	.155
20	1.379	1.466	1.045	.569	.157	.240	56	.197

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 OR FLUORIDE PHOSPHATE CONVERSION PER AMS 2486.
- b. LOCKRING: PASSIVATE PER AMS 2700, TYPE 2, AND PTFE COATING (WHITE COLOR)

/4/ PROCUREMENT SPECIFICATION: PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCT LIST FOR PRI-QPL-AS5000 FOR THIS STANDARD. SEE <http://www.pri.org/qpl/as5000.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/ IDENTIFICATION:

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

8. WORKING PRESSURE FOR ALL SIZES: THIS PART IS DESIGNED FOR USE IN 5080 PSI WORKING PRESSURE SYSTEMS COMPATIBLE WITH TITANIUM.