

REV.
A

AS5550

FEDERAL SUPPLY CLASS
4730

RATIONALE

UPDATE WEIGHT VALUES IN TABLE 1B.

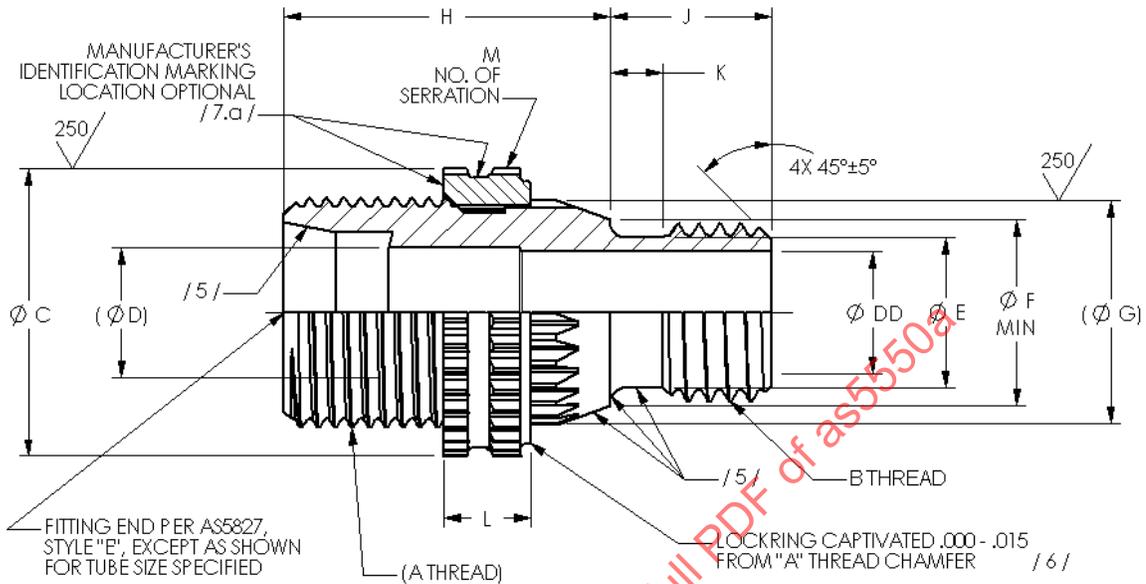
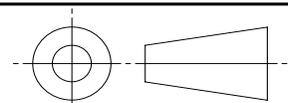


FIGURE 1 - FITTING ASSEMBLY

TABLE 1A DIMENSIONS A-E

BASIC NO. AS5550 /15/ SIZE CODE	(NOMINAL TUBE SIZE)	A THREAD ISO 3161	B THREAD ISO 3161	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

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS5000

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING ASSEMBLY, RING LOCKED, ADAPTER,
FLARELESS TO PORT,
EXTRA FINE THREADS, 5080 PSI

AS5550
SHEET 1 OF 3

**REV.
A**

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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	.018
06	.456	.544	.789	.395	.125	.210	36	.033
08	.574	.670	.882	.430	.125	.210	40	.050
10	.717	.824	.945	.465	.125	.210	38	.082
12	.891	.981	1.018	.527	.157	.220	40	.115
16	1.154	1.251	1.018	.564	.157	.220	36	.167
20	1.379	1.466	1.045	.569	.157	.240	56	.248

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 OR 8, 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.