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REV.
D

AS5550™

FEDERAL SUPPLY CLASS
4730

RATIONALE

CLARIFY THAT LOCKRING PTFE COATING IS FOR 5080 PSI IDENTIFICATION AND THAT MINOR AREAS OF INCOMPLETE COVERAGE ARE ACCEPTABLE.

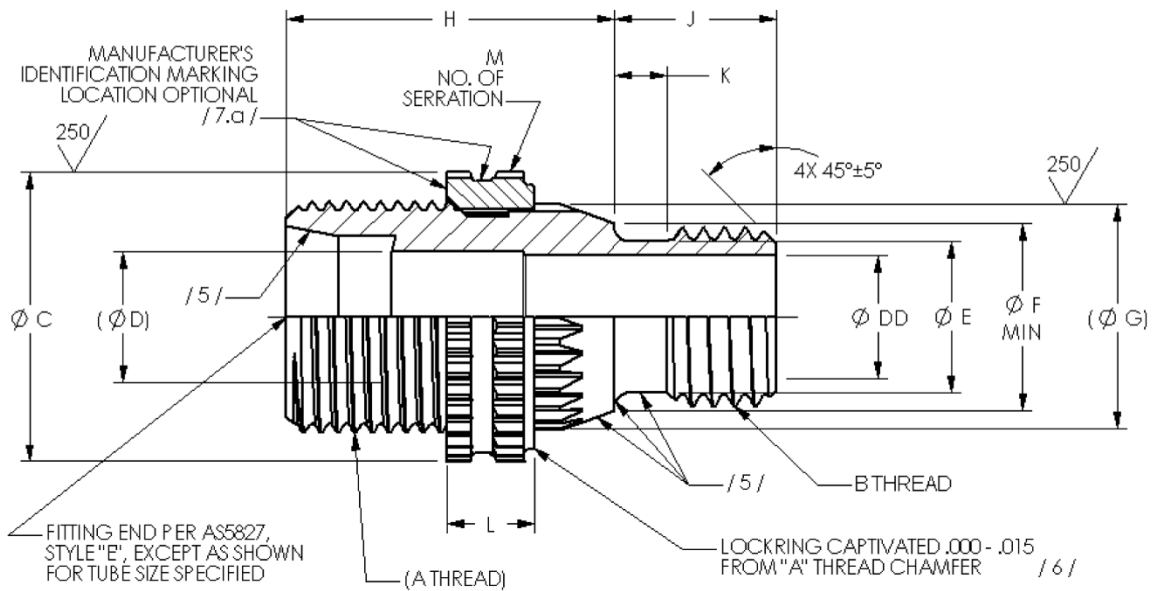


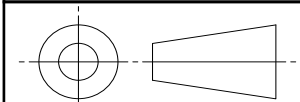
FIGURE 1 - FITTING ASSEMBLY

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	.4375-28 UNJEF-3A	.3125-24 UNJF-3A	.514	.184- .190	.160- .175	.239
06	.375	.5625-24 UNJEF-3A	.4375-20 UNJF-3A	.700	.294- .300	.273- .300	.364
08	.500	.7500-20 UNJEF-3A	.5625-18 UNJF-3A	.814	.419- .425	.377- .408	.482
10	.625	.8750-20 UNJEF-3A	.6875-24 UNJEF-3A	1.040	.497- .503	.477- .503	.625
12	.750	1.0625-18 UNJEF-3A	.8125-20 UNJEF-3A	1.170	.653- .659	.576- .614	.737
16	1.000	1.3125-16 UNJ-3A	1.1250-18 UNJEF-3A	1.456	.872- .878	.804- .851	1.000
20	1.250	1.6250-16 UNJ-3A	1.3125-18 UNJEF-3A	1.782	1.090-1.096	1.001-1.039	1.225

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5550D/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5000 /4/



AEROSPACE STANDARD

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

AS5550™
SHEET 1 OF 3

REV.
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Documents

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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 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: 34-40 HRC
3. FINISH:
 - a. FITTING: ANODIC TREATMENT PER AMS2488, TYPE 2, OR FLUORIDE PHOSPHATE CONVERSION PER AMS2486.
 - b. LOCKRING: PASSIVATE PER AMS2700, TYPE 2 OR TYPE 8, AND PTFE COATING (WHITE COLOR) FOR 5080 PSI IDENTIFICATION PURPOSES. MINOR AREAS OF INCOMPLETE COATING COVERAGE ARE ACCEPTABLE.
- /4/ PROCUREMENT SPECIFICATION: AS5000, EXCEPT AS SPECIFIED IN THIS STANDARD. PRODUCT MANUFACTURED TO THIS STANDARD 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. REFER TO www.eAuditNet.com 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.
9. FITTING ASSEMBLY TO BE INSTALLED PER AS5551.
10. INTERPRETATION OF DRAWING PER AS4296.
11. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 MICROINCHES Ra AND SEALING SURFACE TO BE 63 MICROINCHES Ra.
12. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
13. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.
14. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.005, ANGULAR DIMENSIONS ±0°30'.

	AEROSPACE STANDARD		AS5550™ SHEET 2 OF 3	REV. D
	FITTING ASSEMBLY, RING LOCKED, ADAPTER, FLARELESS TO PORT, EXTRA FINE THREADS, 5080 PSI			

