FEDERAL SUPPLY CLASS
4730

RATIONALE

AS5767 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

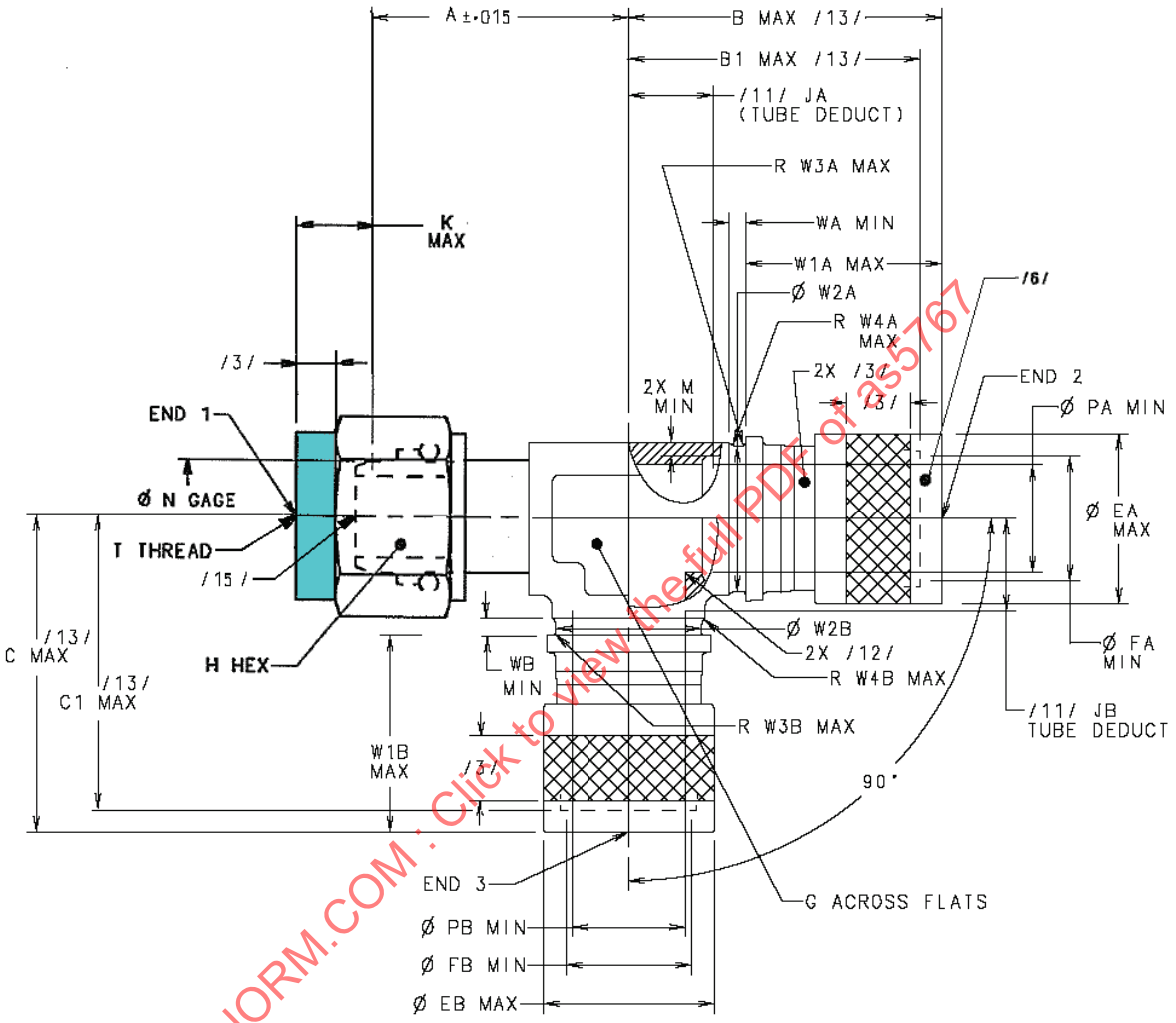
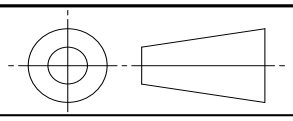


FIGURE 1 - TEE, FEMALE FLARELESS SWAGE

(SEE TABLES 1A, 1B, AND 1C FOR DIMENSIONAL INFORMATION)

SAE values your input. To provide feedback on this Technical Report, please visit
http://www.sae.org/technical/standards/AS5767

THIRD ANGLE PROJECTION



ISSUED 2007-12 REAFFIRMED 2015-04

CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958

AEROSPACE STANDARD

FITTING ASSEMBLY, TEE, FEMALE FLARELESS, AXIALLY SWAGED, HYDRAULIC, 5080 PSI

AS5767
SHEET 1 OF 4

TO PLACE A DOCUMENT ORDER: **Tel: 877-606-7323 (inside USA and Canada)** **Tel: +1 724-776-4970 (outside USA)**
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TABLE 1A - DIMENSIONS A THROUGH FB

BASIC NO. AS5767 /14/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	T THREAD PER AS8879	A	B Max.	B1 MAX.	C MAX.	C1 MAX	EA MAX.	EB MAX.	FA MIN.	FB MIN.
040404	.2500	.2500	.2500	.4375-28 UNJEF-3B	.878	.935	.848	.935	.848	.466	.466	.253	.253
060606	.3750	.3750	.3750	.5625-24 UNJEF-3B	1.040	1.215	1.099	1.215	1.099	.609	.609	.378	.378
080808	.5000	.5000	.5000	.7500-20 UNJEF-3B	1.229	1.516	1.370	1.516	1.370	.783	.783	.504	.504
101010	.6250	.6250	.6250	.8750-20 UNJEF-3B	1.435	1.873	1.669	1.873	1.669	.939	.939	.629	.629
121212	.7500	.7500	.7500	1.0625-18 UNJEF-3B	1.592	2.149	1.944	2.149	1.944	1.122	1.122	.754	.754
161616	1.0000	1.0000	1.0000	1.3125-16 UNJ-3B	1.862	2.606	2.392	2.606	2.392	1.495	1.495	1.004	1.004
202020	1.2500	1.2500	1.2500	1.6250-16 UNJ-3B	2.024	3.020	2.796	3.020	2.796	1.758	1.758	1.255	1.255

TABLE 1B - DIMENSIONS G THROUGH M

BASIC NO. AS5767 /14/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	G	(H)	/11/ JA TUBE DEDUCT	/11/ JB TUBE DEDUCT	K MAX.	M MIN.	Ø N GAGE
040404	.2500	.2500	.2500	.348 -.380	.563	.353 ±.150	.353 ±.150	.325	.043	.2930
060606	.3750	.3750	.3750	.477 - .509	.688	.416 ±.150	.416 ±.150	.337	.045	.4160
080808	.5000	.5000	.5000	.615 - .647	.875	.517 ±.175	.517 ±.175	.380	.052	.5600
101010	.6250	.6250	.6250	.751 - .783	1.000	.580 ±.175	.580 ±.175	.407	.057	.6860
121212	.7500	.7500	.7500	.893 -.925	1.250	.712 ±.175	.712 ±.175	.433	.065	.8100
161616	1.0000	1.0000	1.0000	1.181 - 1.213	1.500	.878 ±.200	.878 ±.200	.437	.084	1.0620
202020	1.2500	1.2500	1.2500	1.609 - 1.641	2.000	1.009 ±.200	1.009 ±.200	.448	.174	1.3160

TABLE 1C - DIMENSIONS WA THROUGH W4B AND WEIGHTS

BASIC NO. AS5767 /14/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	WA MIN.	WB MIN.	W1A MAX.	W1B MAX.	W2A ±.0015	W2B ±.0015	W3A MAX.	W3B MAX.	W4A MAX.	W4B MIN.	WEIGHT LBS/EA APPROX. REF
040404	.2500	.2500	.2500	.123	.123	.488	.488	.3005	.3005	.018	.018	.065	.065	.047
060606	.3750	.3750	.3750	.153	.153	.675	.675	.4475	.4475	.033	.033	.065	.065	.069
080808	.5000	.5000	.5000	.165	.165	.871	.871	.5945	.5945	.033	.033	.129	.129	.135
101010	.6250	.6250	.6250	.140	.140	1.190	1.190	.7365	.7365	.021	.021	.078	.078	.218
121212	.7500	.7500	.7500	.154	.154	1.327	1.327	.8805	.8805	.024	.024	.089	.089	.343
161616	1.0000	1.0000	1.0000	.167	.167	1.612	1.612	1.1725	1.1725	.027	.027	.099	.099	.668
202020	1.2500	1.2500	1.2500	.185	.185	1.886	1.886	1.4345	1.4345	.030	.030	.113	.113	1.171

NOTES:

/1/ MATERIALS:

CODE LETTER “T”

RING - AMS 4965 TITANIUM ALLOY 6.0AL 4.0V SOLUTION HEAT TREATED AND AGED OR AMS 4928 TITANIUM ALLOY 6.0AL 4.0V ANNEALED WITH HIGH STRENGTH CARBON FIBER/EPOXY RESIN COMPOSITE REINFORCEMENT.

BODY - AMS 4928 TITANIUM ALLOY 6.0AL 4.0V ANNEALED

NUT - AMS 4965 TITANIUM ALLOY 6.0AL 4.0V SOLUTION HEAT TREATED AND AGED

WIRE - AMS 5637 STEEL, CORROSION RESISTANT, 18Cr - 9.0 Ni (UNS30302) SOLUTION TREATED AND COLD DRAWN 125 KSI TENSILE STRENGTH.

- AMS 5685 STEEL, CORROSION RESISTANT, SAFETY WIRE 18Cr-11.5Ni, 305 WIRE, SOLUTION TREATED AND COLD FINISHED

- ASTM A 580 STEEL, CORROSION RESISTANT, WIRE, 302 OR 305 CONDITION A

2. FINISH:

TITANIUM - NONE REQUIRED

CRES - PASSIVATION PER AMS 2700 TYPE 6 OR 7

/3/ COATINGS/LUBRICANTS:

RINGS - THE OUTER SURFACE SHALL HAVE A .125" MINIMUM WIDTH BLUE COLORED RING OR COMPLETELY COLORED BLUE TO INDICATE 5080 PSI MAXIMUM OPERATION PRESSURE. AN AS1241 FLUID RESISTANT PTFE COATING OR PAINT MUST BE USED.

BODY - SOLID FILM LUBRICANT PER AS5272, TYPE I OR II. PTFE OR PETROLEUM-BASE LUBRICANT MAY BE APPLIED TO PORTIONS OF THE ID AND OD. THE PETROLEUM-BASE LUBRICANT AND/OR AS5272 LUBRICANT SHALL NOT BE IN CONTACT WITH THE SYSTEM FLUID.

NUT - LUBRICATE ID THREADS AND WIRE GROOVE LOAD BEARING SHOULDER OR MATING WIRE GROOVE LOAD BEARING SHOULDER WITH SOLID FILM LUBRICANT PER AS5272, TYPE I OR TYPE II. A BAND OF .125" MINIMUM WIDTH OF THE OUTER SURFACE AT LOCATION SHOWN SHALL BE COLORED BLUE TO INDICATE 5080 PSI MAXIMUM OPERATION PRESSURE. AN AS1241 FLUID RESISTANT PTFE COATING OR PAINT MUST BE USED.

WIRE - LUBRICATE THE WIRE WITH SOLID FILM LUBRICANT PER AS5272, TYPE I OR TYPE II.

/4/ PROCUREMENT SPECIFICATION: AS5958 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED AND ASSEMBLED BY AN ACCREDITED MANUFACTURER OR ASSEMBLED BY AN ACCREDITED DISTRIBUTOR LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS5958 FOR THIS STANDARD. SEE http:www.eAuditNet.com FOR CURRENT QPL ONLINE.

5. DIMENSIONS AND TOLERANCES NOT DEFINED ON THIS STANDARD SHALL BE SPECIFIED AND CONTROLLED BY THE MANUFACTURER. THE MANUFACTURER IS RESPONSIBLE TO INSURECOMPLIANCE WITH THE PROCUREMENT SPECIFICATION.

/6/ IDENTIFICATION SHALL BE IN ACCORDANCE WITH AS5958 AND SHALL BE IDENTIFIED ON ONE OF THE TWO RINGS IN THE AREA SHOWN.