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REV.
C

AS5808™

FEDERAL SUPPLY CLASS
4730

RATIONALE

REVISED NOTE 14 FOR DEFINITION CORRECTION OF DIMENSION "B1" (FITTING BODY LENGTH). ADDED SUFFIX CODE "B" FOR FITTING ASSEMBLIES WITH BLUE ANODIZED RINGS AND NOTE 16 AS AN OPTION FOR FUTURE REPLACEMENT OF "NO CODE" BLUE COATING OR PAINT. UPDATED FIGURE AND WEIGHTS. REVISED NOTES 1, 3, 7, AND 15. ADDED NOTES 13 AND 17 AND AS6449 AS A NEW LUBRICANT TYPE.

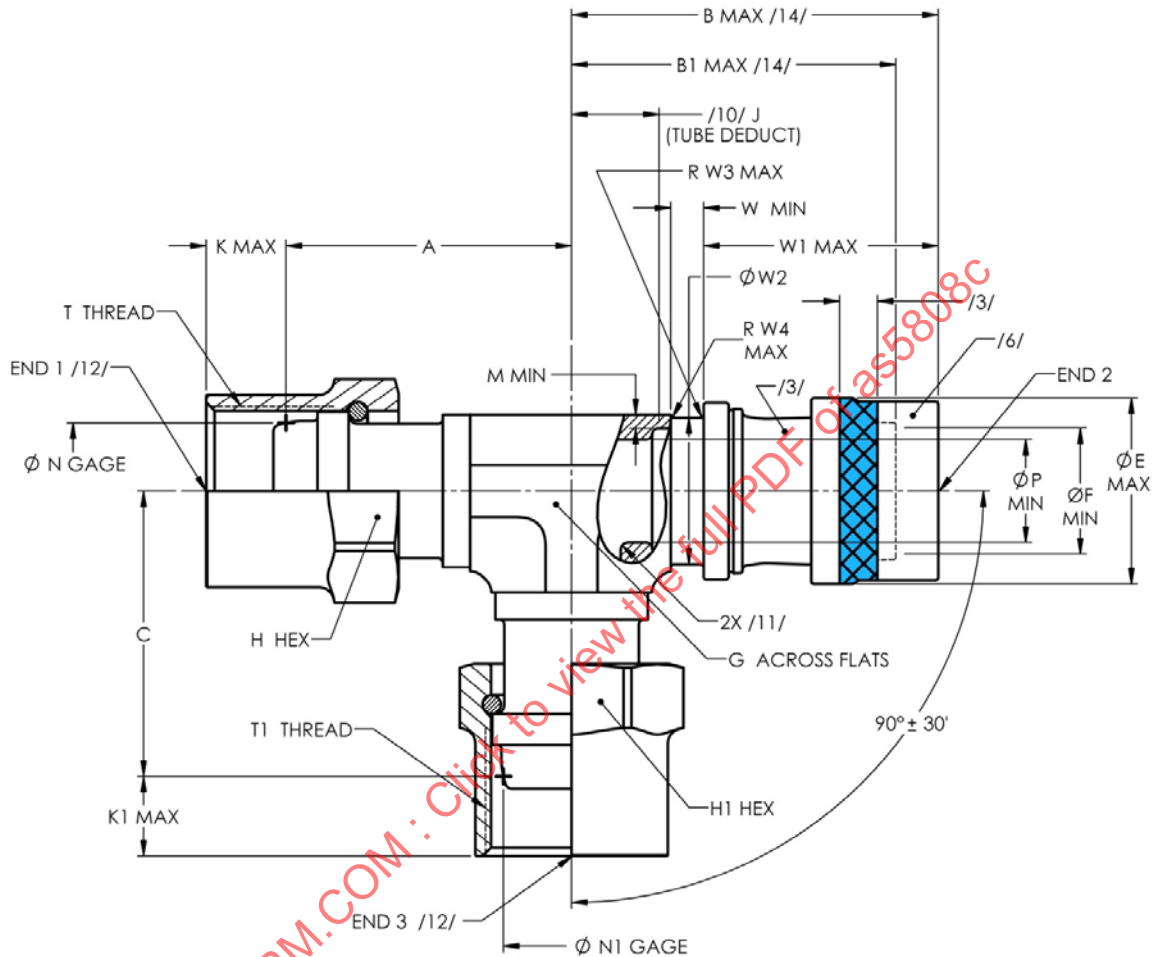
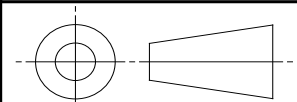


FIGURE 1 - TEE, FEMALE FLARELESS AND AXIALLY SWAGE ON RUN, FEMALE FLARELESS ON THE BRANCH

(SEE TABLES 1A THROUGH 1C FOR DIMENSIONS AND WEIGHTS)

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958 /4/



AEROSPACE STANDARD

(R) FITTING ASSEMBLY, TEE FEMALE FLARELESS
AND AXIALLY SWAGE ON RUN, FEMALE FLARELESS
ON THE BRANCH, HYDRAULIC, 3000 PSI

AS5808™
SHEET 1 OF 4

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ISSUED 2008-06 REAFFIRMED 2015-04 REVISED 2015-08

TABLE 1A - DIMENSIONS A THROUGH H1

BASIC NO. AS5808 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A ±.015	B MAX.	B1 MAX.	C ±.015.	E MAX.	F MIN.	G	(H)	(H1)
060606	.3750	.3750	.3750	1.040	1.215	1.099	1.040	.609	.378	.477-.509	.688	.688
060608	.3750	.3750	.5000	1.133	1.308	1.192	1.229	.609	.378	.615-.647	.688	.875
060808	.3750	.5000	.5000	1.133	1.516	1.370	1.229	.783	.504	.615-.647	.688	.875
080608	.5000	.3750	.5000	1.229	1.308	1.192	1.229	.609	.378	.615-.647	.875	.875
100812	.6250	.5000	.7500	1.560	1.704	1.558	1.592	.783	.504	.893-.925	1.000	1.250
101006	.6250	.6250	.3750	1.435	1.873	1.669	1.198	.939	.629	.751-.783	1.000	.688
101012	.6250	.6250	.7500	1.560	1.998	1.794	1.592	.939	.629	.893-.925	1.000	1.250
120812	.7500	.5000	.7500	1.592	1.704	1.558	1.592	.783	.504	.893-.925	1.250	1.250

TABLE 1B - DIMENSIONS J THROUGH T

BASIC NO. AS5808 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	J /10/ TUBE DUCT	K MAX.	K1 MAX.	M MIN.	N GAGE	N1 GAGE	P MIN.	T THREAD PER AS8879
060606	.3750	.3750	.3750	.416 ±.150	.337	.337	.045	.4160	.4160	.302	.5625-18 UNJF-3B
060608	.3750	.3750	.5000	.509 ±.150	.337	.380	.052	.4160	.5600	.302	.5625-18 UNJF-3B
060808	.3750	.5000	.5000	.517 ±.175	.337	.380	.052	.4160	.5600	.401	.5625-18 UNJF-3B
080608	.5000	.3750	.5000	.509 ±.150	.380	.380	.052	.5600	.5600	.302	.7500-16 UNJF-3B
100812	.6250	.5000	.7500	.705 ±.175	.418	.433	.065	.6860	.8100	.401	.8750-14 UNJF-3B
101006	.6250	.6250	.3750	.580 ±.175	.418	.337	.057	.6860	.4160	.507	.8750-14 UNJF-3B
101012	.6250	.6250	.7500	.705 ±.175	.418	.433	.065	.6860	.8100	.507	.8750-14 UNJF-3B
120812	.7500	.5000	.7500	.705 ±.175	.433	.433	.065	.8100	.8100	.401	1.0625-12 UNJ-3B

TABLE 1C - DIMENSIONS T1 THROUGH W4 AND WEIGHTS

BASIC NO. AS5808 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	T1 THREAD PER AS8879	W MIN.	W1 MAX.	W2 ±.0015	W3 MAX.	W4 MAX.	WEIGHT LB/EA APPROX. REF.
060606	.3750	.3750	.3750	.5625-18 UNJF-3B	.153	.675	.4475	.033	.065	.089
060608	.3750	.3750	.5000	.7500-16 UNJF-3B	.153	.675	.4475	.033	.065	.135
060808	.3750	.5000	.5000	.7500-16 UNJF-3B	.165	.871	.5945	.033	.129	.141
080608	.5000	.3750	.5000	.7500-16 UNJF-3B	.153	.675	.4475	.033	.065	.150
100812	.6250	.5000	.7500	1.0625-12 UNJ-3B	.165	.871	.5945	.033	.129	.327
101006	.6250	.6250	.3750	.5625-18 UNJF-3B	.140	1.190	.7365	.021	.078	.214
101012	.6250	.6250	.7500	1.0625-12 UNJ-3B	.140	1.190	.7365	.021	.078	.341
120812	.7500	.5000	.7500	1.0625-12 UNJ-3B	.165	.871	.5945	.033	.129	.350

NOTES:

/1/ MATERIALS:

CODE LETTER "T"

RING - AMS4965 TITANIUM ALLOY, 6.0Al - 4.0V SOLUTION HEAT TREATED AND AGED OR AMS4928 TITANIUM ALLOY 6.0Al - 4.0V ANNEALED WITH HIGH STRENGTH CARBON FIBER/EPOXY RESIN COMPOSITE REINFORCEMENT.

BODY - AMS4928 TITANIUM ALLOY, 6.0Al - 4.0V ANNEALED.

NUT - AMS4965 TITANIUM ALLOY, 6.0Al - 4.0V SOLUTION HEAT TREATED AND AGED OR AMS4928 TITANIUM ALLOY, 6.0Al - 4.0V ANNEALED.

WIRE - AMS5637 STEEL, CORROSION RESISTANT, BARS AND WIRE, 18Cr - 9.0Ni (SAE 30302) SOLUTION TREATED, COLD DRAWN AND STRESS RELIEVED, 125 KSI TENSILE STRENGTH.

- AS5685 STEEL, CORROSION RESISTANT, SAFETY WIRE 18Cr - 11.5Ni (UNS S30500) WIRE, SOLUTION HEAT TREATED, COLD FINISHED.

- ASTM A580 STEEL, CORROSION RESISTANT, WIRE, TYPE 302 OR 305 CONDITION A, COLD FINISHED.

2. FINISH:

TITANIUM - NONE REQUIRED

CRES - PASSIVATION PER AMS2700, TYPE 6 OR 7.

/3/ COATINGS/LUBRICANTS /16/:

a. NO SUFFIX CODE LETTER

- (1) RING - THE OUTER SURFACE SHALL HAVE A .125 INCH MINIMUM WIDTH BLUE COLORED RING OR SHALL BE COMPLETELY COLORED BLUE TO MATCH THE SWAGE TOOL COLOR CODE SPECIFIED IN THE AS5959 INSTALLATION PROCEDURE. BLUE PTFE COATING OR PAINT SHALL BE RESISTANT TO AS1241 FLUID WHEN USED. MARKING METHODS SHALL BE IN ACCORDANCE WITH AS5958.
- (2) BODY - LEAD FREE SOLID FILM LUBRICANT PER AS5272 TYPE I OR II, OR PER AS6449 TYPE III OR IV, PTFE OR PETROLEUM-BASED LUBRICANT SHALL BE APPLIED TO PORTIONS OF THE ID AND OD. THE PETROLEUM-BASED LUBRICANT AND /OR AS5272 LUBRICANT SHALL NOT BE IN CONTACT WITH THE SYSTEM FLUID.
- (3) NUT - LUBRICATE ID THREADS AND WIRE GROOVE LOAD BEARING SHOULDER OR MATING WIRE GROOVE LOAD BEARING SHOULDER WITH LEAD FREE SOLID FILM LUBRICANT PER AS5272 TYPE I OR II, OR PER AS6449 TYPE III OR IV.
- (4) WIRE - LUBRICATE THE WIRE WITH LEAD FREE SOLID FILM LUBRICANT PER AS5272 TYPE I OR II, OR PER AS6499 TYPE III OR IV.

b. SUFFIX CODE LETTER "B"

- (1) RING - THE OUTER SURFACE SHALL HAVE A .125 INCH MINIMUM WIDTH BLUE ANODIZED RING OR SHALL BE COMPLETELY ANODIZED BLUE TO MATCH THE SWAGE TOOL COLOR CODE SPECIFIED IN THE AS5959 INSTALLATION PROCEDURE. MARKING METHODS SHALL BE IN ACCORDANCE WITH AS5958.
- (2) BODY - LEAD FREE SOLID FILM LUBRICANT PER AS5272 TYPE I OR II, OR PER AS6449 TYPE III OR IV, PTFE OR PETROLEUM-BASED LUBRICANT SHALL BE APPLIED TO PORTIONS OF THE ID AND OD. THE PETROLEUM-BASED LUBRICANT AND/OR AS5272 LUBRICANT SHALL NOT BE IN CONTACT WITH THE SYSTEM FLUID.
- (3) NUT - LUBRICATE ID THREADS AND WIRE GROOVE LOAD BEARING SHOULDER OR MATING WIRE GROOVE LOAD BEARING SHOULDER WITH LEAD FREE SOLID FILM LUBRICANT PER AS5272 TYPE I OR II, OR PER AS6449 TYPE III OR IV.
- (4) WIRE - LUBRICATE THE WIRE WITH LEAD FREE SOLID FILM LUBRICANT PER AS5272 TYPE I OR II, OR PER AS6449 TYPE III OR IV.

	AEROSPACE STANDARD	AS5808™ SHEET 3 OF 4	REV. C
	(R) FITTING ASSEMBLY, TEE FEMALE FLARELESS AND AXIALLY SWAGE ON RUN, FEMALE FLARELESS ON THE BRANCH, HYDRAULIC, 3000 PSI		