FEDERAL SUPPLY CLASS
4730

RATIONALE

REVISED TO ADD OPTION FOR UNPAINTED FINISH (BARE RING) FOR USE IN FUEL TANK.

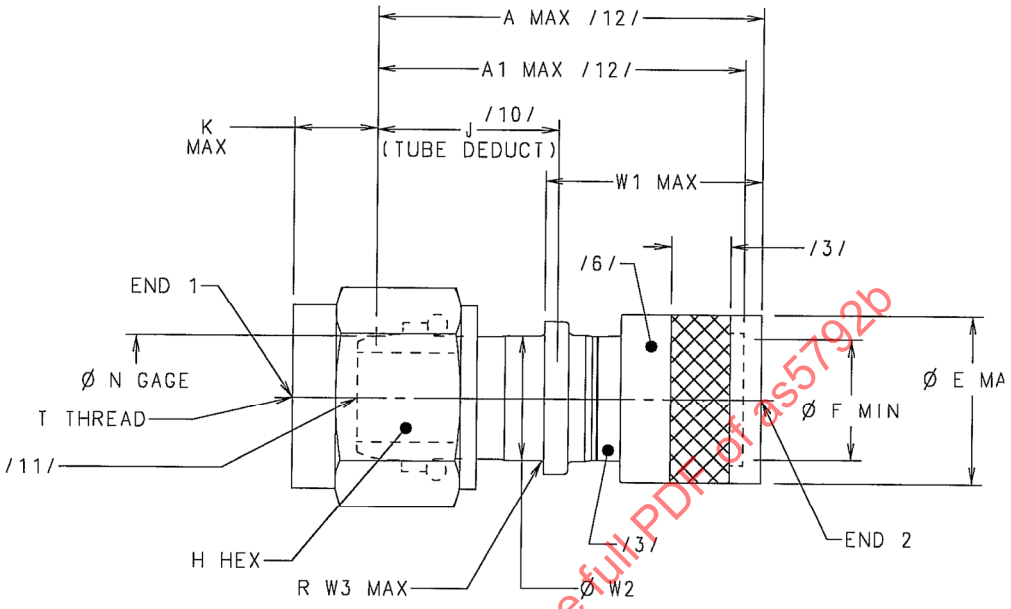
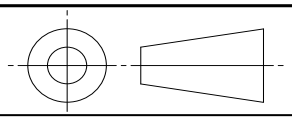


FIGURE 1 - ADAPTER, BEFORE SWAGE

(SEE TABLE 1A AND 1B FOR DIMENSIONAL INFORMATION)

THIRD ANGLE PROJECTION



ISSUED 2006-06 REVISED 2013-03

CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958 /4/

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) FITTING ASSEMBLY, STRAIGHT,
FEMALE FLARELESS,
AXIALLY SWAGED, HYDRAULIC

SAE AS5792

REV. B

TABLE 1A - DIMENSIONS A THROUGH K

BASIC NO. AS5792 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A MAX.	A1 MAX.	E MAX.	F MIN.	(H)	J /10/ TUBE DEDUCT		K MAX.
0404	.2500	.2500	1.131	1.044	.466	.253	.563	.669	±.030	.325
0604	.3750	.2500	1.316	1.229	.466	.253	.688	.734	±.150	.337
0406	.2500	.3750	1.325	1.209	.609	.378	.563	.646	±.030	.325
0606	.3750	.3750	1.373	1.257	.609	.378	.688	.694	±.030	.337
0806	.5000	.3750	1.711	1.595	.609	.378	.875	.912	±.150	.380
0608	.3750	.5000	1.624	1.478	.783	.504	.688	.770	±.030	.337
0808	.5000	.5000	1.664	1.518	.783	.504	.875	.810	±.030	.380
1008	.6250	.5000	2.044	1.898	.783	.504	1.000	1.045	±.175	.407
0810	.5000	.6250	2.129	1.925	.939	.629	.875	.981	±.030	.380
1010	.6250	.6250	2.127	1.923	.939	.629	1.000	.979	±.030	.407
1210	.7500	.6250	2.305	2.100	.939	.629	1.250	1.011	±.175	.433
1012	.6250	.7500	2.330	2.125	1.122	.754	1.000	1.038	±.030	.407
1212	.7500	.7500	2.295	2.090	1.122	.754	1.250	1.003	±.030	.433
1612	1.0000	.7500	2.567	2.362	1.122	.754	1.500	1.130	±.175	.437
1216	.7500	1.0000	2.662	2.448	1.495	1.004	1.250	1.104	±.030	.433
1616	1.0000	1.0000	2.692	2.478	1.495	1.004	1.500	1.134	±.030	.437
2016	1.2500	1.0000	2.904	2.690	1.495	1.004	2.000	1.173	±.200	.460
1620	1.0000	1.2500	3.156	2.932	1.758	1.255	1.500	1.315	±.030	.437
2020	1.2500	1.2500	3.006	2.782	1.758	1.255	2.000	1.165	±.030	.460

TABLE 1B - DIMENSIONS N THROUGH W3 AND WEIGHTS

BASIC NO. AS5792 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	N GAGE	T THREAD PER AS8879	W1 MAX.	W2 ±.0015	W3 MAX.	WEIGHT LB/EA APP. REF.
0404	.2500	.2500	.2930	.4375-20UNJF-3B	.488	.3005	.018	.024
0604	.3750	.2500	.4160	.5625-18UNJF-3B	.488	.3005	.018	.038
0406	.2500	.3750	.2930	.4375-20UNJF-3B	.675	.4475	.033	.043
0606	.3750	.3750	.4160	.5625-18UNJF-3B	.675	.4475	.033	.043
0806	.5000	.3750	.5600	.7500-16UNJF-3B	.675	.4475	.033	.065
0608	.3750	.5000	.4160	.5625-18UNJF-3B	.871	.5945	.033	.067
0808	.5000	.5000	.5600	.7500-16UNJF-3B	.871	.5945	.033	.068
1008	.6250	.5000	.6860	.8750-14UNJF-3B	.871	.5945	.033	.097
0810	.5000	.6250	.5600	.7500-16UNJF-3B	1.190	.7365	.021	.130
1010	.6250	.6250	.6860	.8750-14UNJF-3B	1.190	.7365	.021	.116
1210	.7500	.6250	.8100	1.0625-12UNJ-3B	1.190	.7365	.021	.157
1012	.6250	.7500	.6860	.8750-14UNJF-3B	1.327	.8805	.024	.163
1212	.7500	.7500	.8100	1.0625-12UNJ-3B	1.327	.8805	.024	.173
1612	1.0000	.7500	1.0620	1.3125-12UNJ-3B	1.327	.8805	.024	.233
1216	.7500	1.0000	.8100	1.0625-12UNJ-3B	1.612	1.1725	.027	.297
1616	1.0000	1.0000	1.0620	1.3125-12UNJ-3B	1.612	1.1725	.027	.352
2016	1.2500	1.0000	1.3160	1.6250-12UNJ-3B	1.612	1.1725	.027	.424
1620	1.0000	1.2500	1.0620	1.3125-12UNJ-3B	1.886	1.4345	.030	.440
2020	1.2500	1.2500	1.3160	1.6250-12UNJ-3B	1.886	1.4345	.030	.660

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 TREATED

WIRE - AMS5637 STEEL, CORROSION RESISTANT, 18CR - 9.0NI (UNS 30302) SOLUTION TREATED AND COLD DRAWN 125 KSI TENSILE STRENGTH.

AMS5685 STEEL, CORROSION RESISTANT, SAFETY WIRE 18CR - 11.5NI, 305 WIRE, SOLUTION TREATED, COLD FINISHED.

ASTM A580 STEEL, CORROSION RESISTANT, WIRE, 302 OR 305 CONDITION A.

2. FINISH:

TITANIUM - NONE REQUIRED.

CRES - PASSIVATION PER AMS2700, TYPE 6 OR 7

/3/ COATINGS/LUBRICANTS: RING DEPENDING ON PART NUMBER /13/

a. NO SUFFIX CODE LETTER

THE OUTER SURFACE OF THE RING SHALL HAVE A .125 INCH MINIMUM WIDTH BLUE COLORED RING OR COMPLETELY COLORED BLUE. AN AS2141 FLUID RESISTANT PTFE COATING OR PAINT MUST BE USED.

b. SUFFIX CODE LETTER A

NO BLUE PTFE COATING OR PAINT. THE WORD "BLUE" SHALL BE MARKED ON THE RING TO INDICATE 5080 PSI MAXIMUM OPERATING PRESSURE. MARKING METHODS SHALL BE IN ACCORDANCE WITH AS5958.

BODY - SOLID FILM LUBRICANT PER AS5272, TYPE I OR II, PTFE OR PETROLEUM-BASED LUBRICANT MAY 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.

NUT - LUBRICATE ID THREADS AND WIRE GROOVE LOAD BEARING SHOULDER OR MATING WIRE GROOVE LOAD BEARING SHOULDER WITH SOLID FILM LUBRICANT PER AS5272, TYPE 1 OR TYPE 2.

/4/ PRODUCT 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 ASSEMBLING DISTRIBUTOR LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS5958 FOR THIS STANDARD. See www.eAuditNet.com FOR THE CURRENT QPL ON-LINE.

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

/6/ IDENTIFICATION SHALL BE IN ACCORDANCE WITH AS5958 AND SHALL BE IDENTIFIED ON EITHER RING IN THE AREA SHOWN.

7. AXIALLY SWAGED FITTING PORT SHALL BE INSTALLED AND INSPECTED TO THE PROPER "AFTER SWAGE DIMENSION" IN ACCORDANCE WITH AS5959.