FEDERAL SUPPLY CLASS
4730

RATIONALE

AS4233C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

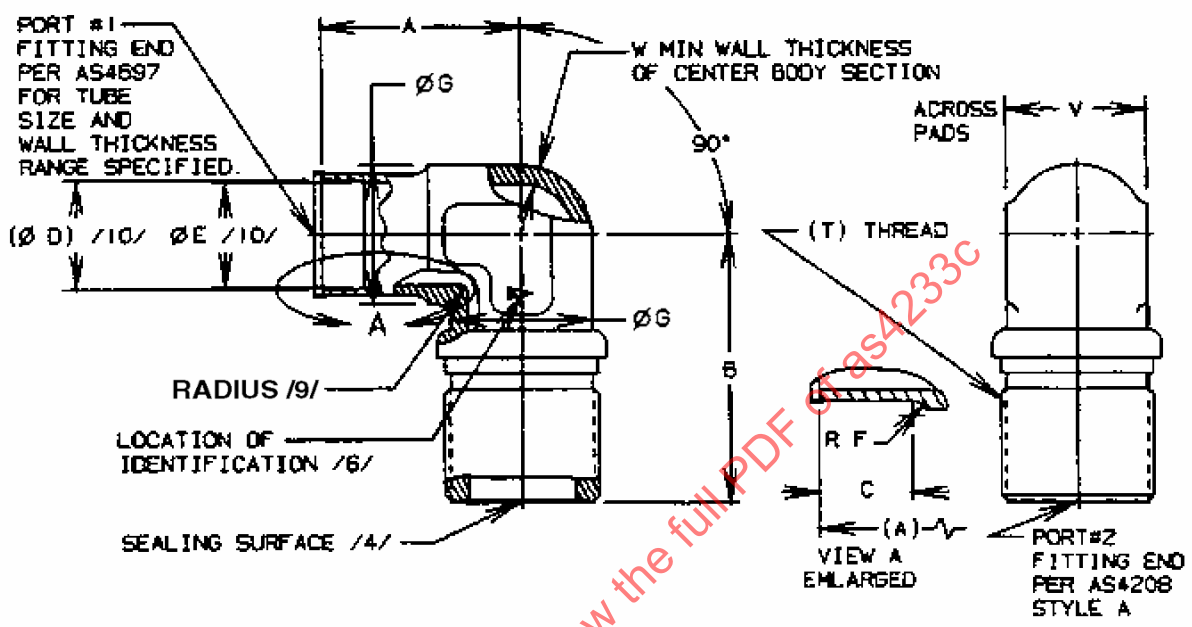
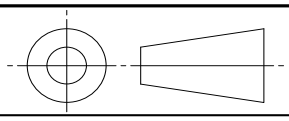


FIGURE 1 - FITTING, ELBOW, 90°, BULKHEAD

ISSUED 1996-05 REVISED 2007-09 REAFFIRMED 2015-04

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /5/ AS4510

SAE INTERNATIONAL

AEROSPACE STANDARD

FITTING, ELBOW, 90º, BULKHEAD, EXTERNAL THREAD, BEAM SEAL TO INTEGRAL WELD RING

AS4233
SHEET 1 OF 4

REV. C

TO PLACE A DOCUMENT ORDER: **Tel: 877-606-7323 (inside USA and Canada)** **Tel: +1 724-776-4970 (outside USA)**
Fax: 724-776-0790 **Email: CustomerService@sae.org** **SAE WEB ADDRESS: http://www.sae.org**

TABLE 1A - DIMENSIONS

BASIC NO. AS4233 /16/ SIZE AND TUBE WALL CODES	RANGE OF NOMINAL TUBE WALL FOR PORT #2 /7/ /16/	(NOMINAL TUBE SIZE)	PORT #1 STYLE /10/	T THREAD PER AS8879 CLASS 3A	A	B	C	D /10/
03-018	.016-.018	.188	A	.3750-28 UNJS	.832	1.143	.450	.146
03-022	.019-.022	.188	A	.3750-28 UNJS	.832	1.143	.450	.138
04-022	.019-.022	.250	B	.4375-24 UNJS	.832	1.225	.420	.200
05-022	.019-.022	.312	B	.5000-24 UNJS	.887	1.261	.460	.262
05-028	.023-.028	.312	B	.5000-24 UNJS	.887	1.261	.460	.250
06-022	.019-.022	.375	B	.5625-20 UNJS	1.005	1.353	.520	.325
06-028	.023-.028	.375	B	.5625-20 UNJS	1.005	1.353	.520	.313
06-032	.029-.032	.375	B	.5625-20 UNJS	1.005	1.353	.520	.305
08-022	.019-.022	.500	B	.7188-20 UNJS	1.180	1.542	.620	.450
08-043	.033-.043	.500	B	.7188-20 UNJS	1.180	1.542	.620	.408
10-028	.023-.028	.625	B	.8438-18 UNJS	1.243	1.769	.580	.563
10-043	.033-.043	.625	B	.8438-18 UNJS	1.243	1.769	.580	.533
10-055	.044-.055	.625	A	.8438-18 UNJS	1.243	1.769	.580	.509
12-028	.023-.028	.750	B	1.0000-16 UNJ	1.392	1.953	.740	.688
12-055	.044-.055	.750	A	1.0000-16 UNJ	1.392	1.953	.740	.634
12-065	.056-.065	.750	A	1.0000-16 UNJ	1.392	1.953	.740	.614
14-032	.029-.032	.875	B	1.1250-16 UNJ	1.562	2.188	.700	.805
14-065	.056-.065	.875	A	1.1250-16 UNJ	1.562	2.188	.700	.739
16-043	.033-.043	1.000	B	1.2500-14 UNJS	1.617	2.188	.750	.908
16-078	.066-.078	1.000	A	1.2500-14 UNJS	1.617	2.188	.750	.838
16-089	.079-.089	1.000	A	1.2500-14 UNJS	1.617	2.188	.750	.816
20-055	.044-.055	1.250	B	1.5781-14 UNJS	1.750	2.326	.670	1.134
20-089	.079-.089	1.250	A	1.5781-14 UNJS	1.750	2.236	.670	1.066
24-055	.044-.055	1.500	B	1.8438-14 UNJS	1.900	2.712	.680	1.384

TABLE 1B - DIMENSIONS AND WEIGHTS

BASIC NO. AS4233 /16/ SIZE AND TUBE WALL CODES	E /10/	F ±.005	G MIN	V	W	RECOMMENDED MAXIMUM PRESSURE PSI /7/	LB/EA MAX CRES	LB/EA MAX TI
03-018	--	.080	.285	.360- .377	.055	5000	.0578	.0331
03-022	--	.080	.285	.360- .377	.055	5000	.0578	.0331
04-022	.184- .194	.080	.329	.360- .377	.060	5000	.0689	.0394
05-022	.232- .242	.080	.391	.423- .440	.060	4000	.0910	.0520
05-028	.232- .242	.080	.391	.423- .440	.060	5000	.0910	.0520
06-022	.297- .307	.090	.454	.485- .502	.060	3000	.118	.0673
06-028	.297- .307	.090	.454	.485- .502	.060	4000	.118	.0673
06-032	.297- .307	.090	.454	.485- .502	.060	5000	.118	.0673
08-022	.398- .408	.090	.547	.547- .565	.065	2000	.176	.100
08-043	.398- .408	.090	.547	.547- .565	.065	5000	.176	.100
10-028	.512- .523	.125	.673	.673- .691	.070	2000	.253	.145
10-043	.512- .523	.125	.673	.673- .691	.070	4000	.253	.145
10-055	--	.125	.673	.673- .691	.070	5000	.253	.145
12-028	.649- .660	.125	.860	.860- .878	.095	2000	.389	.222
12-055	--	.125	.860	.860- .878	.095	4000	.389	.222
12-065	--	.125	.860	.860- .878	.095	5000	.389	.222
14-032	.769- .780	.125	1.110	1.110-1.128	.105	2000	.676	.374
14-065	--	.125	1.110	1.110-1.128	.105	4000	.676	.374
16-043	.862- .874	.125	1.110	1.110-1.128	.110	2000	.654	.374
16-078	--	.125	1.110	1.110-1.128	.110	4000	.654	.374
16-089	--	.125	1.110	1.110-1.128	.110	5000	.654	.374
20-055	1.115-1.128	.180	1.360	1.355-1.380	.110	2000	.953	.544
20-089	--	.180	1.360	1.355-1.380	.110	4000	.953	.544
24-055	1.324-1.337	.180	1.610	1.605-1.630	.130	2000	1.44	.820

NOTES:

/1/ MATERIAL:

a. CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY FORGING OR BAR PER AMS 4965.

b. CODE LETTER P - TYPE 17-4PH CORROSION RESISTANT STEEL FORGING OR BAR PER AMS 5643.

c. CODE LETTER V - TYPE 15-5PH CORROSION RESISTANT STEEL FORGING OR BAR PER AMS 5659.

2. HEAT TREATMENT:

a. MATERIAL CODE LETTER T - NONE.

b. MATERIAL CODE LETTERS P AND V - HEAT TREAT TO CONDITION H 1075 PER AMS 2759/3.

3. FINISH:

a. MATERIAL CODE LETTER T - NONE.

b. MATERIAL CODE LETTER P AND V - PASSIVATE PER AMS 2700.