

AS4229

FEDERAL SUPPLY CLASS
4730

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

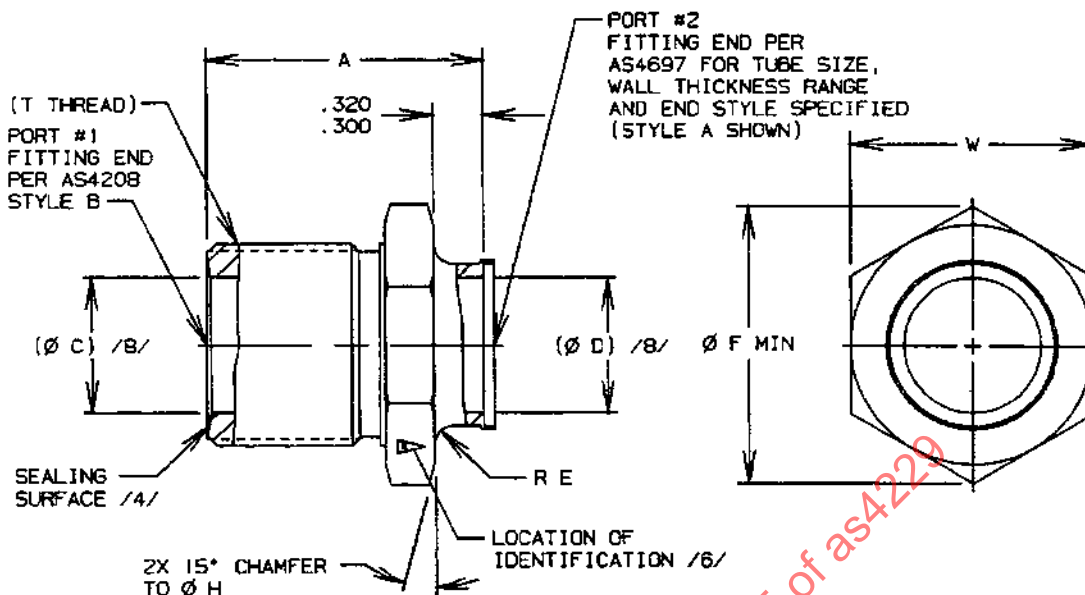
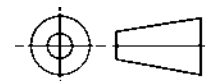


FIGURE 1 - FITTING, ADAPTER, BULKHEAD

TABLE 1A - DIMENSIONS

BASIC NO. AS4229 /14/ SIZE AND TUBE WALL CODES	RANGE OF NOMINAL TUBE WALL FOR PORT #2 /7/ /14/	(NOMINAL TUBE SIZE)	T THREAD PER MIL-S-8879 CLASS 3A	PORT #2 STYLE /8/	A ±.010	C /8/
03-018	.016-.018	.188	.3750-28 UNJS	A	1.086	—
03-022	.019-.022	.188	.3750-28 UNJS	A	1.086	—
04-022	.019-.022	.250	.4375-24 UNJS	B	1.178	.184
05-022	.019-.022	.312	.5000-24 UNJS	B	1.211	.237
05-028	.023-.028	.312	.5000-24 UNJS	B	1.211	.237
06-022	.019-.022	.375	.5625-20 UNJS	B	1.260	.302
06-028	.023-.028	.375	.5625-20 UNJS	B	1.260	.302
06-032	.029-.032	.375	.5625-20 UNJS	B	1.260	.302
08-022	.019-.022	.500	.7188-20 UNJS	B	1.342	.403
08-043	.033-.043	.500	.7188-20 UNJS	A	1.342	—
10-028	.023-.028	.625	.8438-18 UNJS	B	1.499	.518
10-043	.033-.043	.625	.8438-18 UNJS	B	1.499	.518
10-055	.044-.055	.625	.8438-18 UNJS	A	1.499	—
12-028	.023-.028	.750	1.0000-16 UNJ	B	1.592	.654
12-055	.044-.055	.750	1.0000-16 UNJ	A	1.592	—
12-065	.056-.065	.750	1.0000-16 UNJ	A	1.592	—

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /5/ AS4510

SAE Aerospace
 An SAE International Group

AEROSPACE STANDARD
 FITTING, ADAPTER, BULKHEAD, EXTERNAL THREAD,
 BEAM SEAL TO INTEGRAL WELD RING

AS4229
 SHEET 1 OF 3

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ISSUED 1996-05 REAFFIRMED 2007-10

TABLE 1A (CONTINUED)

BASIC NO. AS4229 /14/ SIZE AND TUBE WALL CODES	RANGE OF NOMINAL TUBE WALL FOR PORT #2 /7/ /14/	(NOMINAL TUBE SIZE)	T THREAD PER MIL-S-8879 CLASS 3B	PORT #2 STYLE /8/	A ±.010	C /8/
14-032	.029-.032	.875	1.1250-16 UNJ	B	1.648	.774
14-065	.056-.065	.875	1.1250-16 UNJ	A	1.648	—
16-043	.033-.043	1.000	1.2500-14 UNJS	B	1.687	.868
16-078	.066-.078	1.000	1.2500-14 UNJS	A	1.687	—
16-089	.079-.089	1.000	1.2500-14 UNJS	A	1.687	—
20-055	.044-.055	1.250	1.5781-14 UNJS	B	1.744	1.122
20-089	.079-.089	1.250	1.5781-14 UNJS	A	1.744	—
24-055	.044-.055	1.500	1.8438-14 UNJS	B	1.906	1.330

TABLE 1B - DIMENSIONS AND WEIGHTS

BASIC NO. AS4229 /14/ SIZE AND TUBE WALL CODES	D /8/	E	F	H	W	RECOMMENDED MAXIMUM PRESSURE PSI /7/	LB/EA MAX CRES	LB/EA MAX TI
03-018	.146	.080	.709	.605	.615-.628	5000	.0364	.0208
03-022	.138	.080	.709	.605	.615-.628	5000	.0364	.0208
04-022	.200	.080	.780	.668	.678-.691	5000	.0480	.0274
05-022	.262	.080	.851	.730	.740-.753	4000	.0637	.0364
05-028	.250	.080	.851	.730	.740-.753	5000	.0637	.0364
06-022	.325	.090	.922	.792	.802-.815	3000	.0770	.0440
06-028	.313	.090	.922	.792	.802-.815	4000	.0770	.0440
06-032	.305	.090	.922	.792	.802-.815	5000	.0770	.0440
08-022	.450	.090	1.120	.980	.990-1.003	2000	.135	.0772
08-043	.408	.090	1.120	.980	.990-1.003	5000	.135	.0772
10-028	.563	.125	1.260	1.103	1.113-1.128	2000	.188	.107
10-043	.533	.125	1.260	1.103	1.113-1.128	4000	.188	.107
10-055	.509	.125	1.260	1.103	1.113-1.128	5000	.188	.107
12-028	.688	.125	1.400	1.228	1.238-1.253	2000	.241	.138
12-055	.634	.125	1.400	1.228	1.238-1.253	4000	.241	.138
12-065	.614	.125	1.400	1.228	1.238-1.253	5000	.241	.138
14-032	.805	.125	1.540	1.353	1.363-1.380	2000	.300	.171
14-065	.739	.125	1.540	1.353	1.363-1.380	4000	.300	.171
16-043	.908	.125	1.650	1.478	1.488-1.505	2000	.368	.210
16-078	.838	.125	1.650	1.478	1.488-1.505	4000	.368	.210
16-089	.816	.125	1.470	1.290	1.300-1.317	5000	.183	.105
20-055	1.134	.180	2.063	1.853	1.863-1.880	2000	.624	.356
20-089	1.066	.180	2.063	1.853	1.863-1.880	4000	.624	.356
24-055	1.384	.180	2.338	2.099	2.109-2.135	2000	.870	.497