FEDERAL SUPPLY CLASS
4030

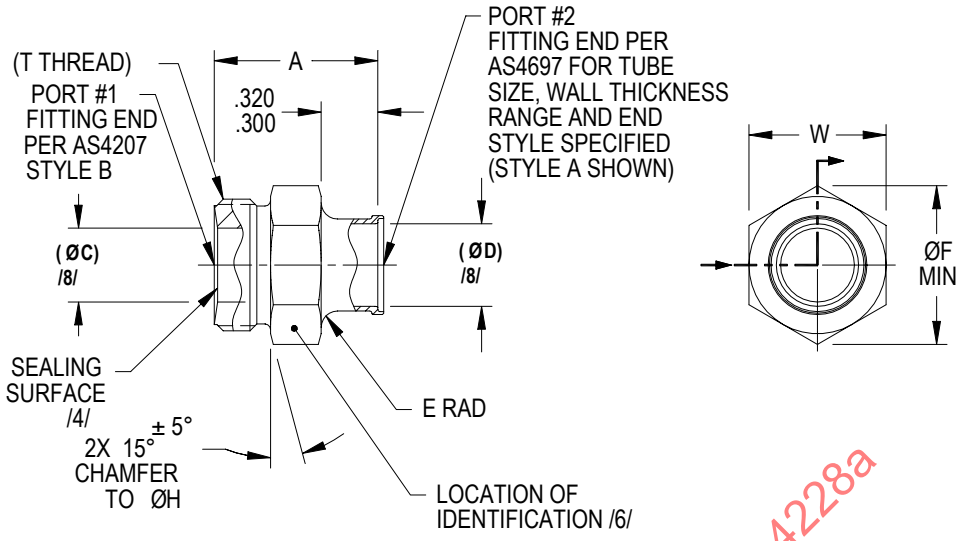


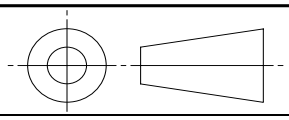
FIGURE 1 - FITTING, ADAPTER

TABLE 1A - DIMENSIONS

BASIC NO. AS4228 /14/ SIZE AND TUBE	FLANGE OF NOMINAL TUBE WALL FOR PORT #2 /7/ /14/	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3B	PORT #2 STYLE /8/	A ±.010	C /8/
03-018	.016-.018	.188	.3750-28 UNJS	A	.733	---
03-022	.019-.022	.188	.3750-28 UNJS	A	.733	---
04-022	.019-.022	.250	.4375-24 UNJS	B	.775	.189
05-022	.019-.022	.312	.5000-24 UNJS	B	.806	.237
05-028	.023-.028	.312	.5000-24 UNJS	B	.806	.237
06-022	.019-.022	.375	.5625-20 UNJS	B	.836	.302
06-028	.023-.028	.375	.5625-20 UNJS	B	.836	.302
06-032	.029-.032	.375	.5625-20 UNJS	B	.836	.302
08-022	.029-.032	.500	.7188-20 UNJS	B	.895	.403
08-043	.033-.043	.500	.7188-20 UNJS	A	.895	---
10-028	.023-.028	.625	.8438-18 UNJS	B	.977	.518
10-043	.033-.043	.625	.8438-18 UNJS	B	.977	.518
10-055	.044-.055	.625	.8438-18 UNJS	A	.977	---
12-028	.023-.028	.750	1.0000-16 UNJ	B	1.014	.654
12-055	.044-.055	.750	1.0000-16 UNJ	A	1.014	---
12-065	.056-.065	.750	1.0000-16 UNJ	A	1.014	---

ISSUED 1996-05 REAFFIRMED 2001-12 REVISED 2005-01

THIRD ANGLE PROJECTION



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CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /5/ AS4510

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AEROSPACE STANDARD

(R) FITTING, ADAPTER,
EXTERNAL THREAD,
BEAM SEAL TO INTEGRAL WELD RING

AS4228
SHEET 1 OF 4

REV. A

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

BASIC NO. AS4228 /14/ SIZE AND TUBE WALL CODES	RANGE OF NOMINAL TUBE WALL FOR PORT #2 /7/ /14/	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3B	PORT #2 STYLE /8/	A ±.010	C /8/
14-032	.029-.032	.875	1.1250-16 UNJ	B	1.036	.774
14-065	.056-.065	.875	1.1250-16 UNJ	A	1.036	---
16-043	.033-.043	1.000	1.2500-14 UNJ	B	1.065	.868
16-078	.066-.078	1.000	1.2500-14 UNJS	A	1.065	---
16-089	.079-.089	1.000	1.2500-14 UNJS	A	1.065	---
16-089	.079-.089	1.250	1.2500-14 UNJS	A	1.065	---
20-055	.044-.055	1.250	1.5781-14 UNJS	B	1.125	1.122
20-089	.079-.089	1.250	1.5781-14 UNJS	A	1.125	---
24-055	.044-.055	1.500	1.8438-14 UNJS	B	1.210	1.330

TABLE 1B - DIMENSIONS AND WEIGHTS

BASIC NO. AS4228 /14/ SIZE AND TUBE WALL CODES	D /8/	E	F	H ±.010	W	RECOMMENDED MAXIMUM PRESSURE PSI /7/	APPROX MASS CRES LBS/100	APPROX MASS TI LBS/100
03-018	.146	.080	.495	.418	.428- .440	5000	1.54	.882
03-022	.138	.080	.495	.418	.428- .440	5000	1.54	.882
04-022	.200	.080	.568	.480	.490- .502	5000	2.25	1.29
05-022	.262	.080	.638	.542	.552- .565	4000	3.04	1.74
05-028	.250	.080	.638	.542	.552- .565	5000	3.04	1.74
06-022	.325	.090	.709	.605	.615- .628	3000	3.70	2.11
06-028	.313	.090	.709	.605	.615- .628	4000	3.70	2.11
06-032	.305	.090	.709	.605	.615- .628	5000	3.70	2.11
06-022	.305	.090	.709	.605	.615- .628	5000	3.70	2.11
08-022	.450	.090	.851	.730	.740- .753	2000	.617	3.52
08-043	.408	.090	.851	.730	.740- .753	5000	.617	3.52
10-028	.563	.125	.993	.855	.865- .878	2000	.864	4.94
10-043	.533	.125	.993	.855	.865- .878	4000	.864	4.94
10-055	.509	.125	.993	.855	.865- .878	5000	.864	4.94
12-028	.688	.125	1.190	1.040	1.050-1.065	2000	12.00	6.85
12-055	.634	.125	1.190	1.040	1.050-1.065	4000	12.00	6.85
12-065	.614	.125	1.190	1.040	1.050-1.065	5000	12.00	6.85
14-032	.805	.125	1.330	1.166	1.176-1.191	2000	14.60	8.35
14-065	.739	.125	1.330	1.166	1.176-1.181	4000	14.60	8.35
16-043	.908	.125	1.470	1.290	1.300-1.317	2000	18.30	10.50
16-078	.838	.125	1.470	1.290	1.300-1.317	4000	18.30	10.50
16-089	.816	.125	1.470	1.290	1.300-1.317	5000	18.30	10.50
20-055	1.134	.180	1.788	1.603	1.613-1.630	2000	30.60	17.50
20-089	1.066	.180	1.788	1.603	1.613-1.630	4000	30.60	17.50
24-055	1.384	.180	2.063	1.853	1.863-1.880	2000	43.30	24.80

NOTES:

/1/ MATERIAL:

a. CODE LETTER P – TYPE 17-4PH CORROSION RESISTANT STEEL PER AMS 5643.
b. CODE LETTER T – TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4965.
c. CODE LETTER V – TYPE 15-5PH, CONDITION H1075 STA, CORROSION RESISTANT STEEL PER AMS 5659.
d. CODE LETTER Y – TYPE 718 CORROSION AND HEAT RESISTANT NICKEL ALLOY PER AMS 5663

2. HEAT TREATMENT:

a. MATERIAL CODE LETTER P – CONDITION H1075 PER AMS 2759/3.
b. MATERIAL CODE LETTER T, Y – NONE.
c. MATERIAL CODE LETTER V – AGE TO CONDITION H1075 PER AMS-H-6875 OR AMS 2759/3.

3. FINISH:

a. MATERIAL CODE LETTER P – PASSIVATE PER AMS-QQ-P-35, TYPE VI OR VII.
b. MATERIAL CODE LETTER T – NONE.
c. MATERIAL CODE LETTER V – PASSIVATE PER AMS-QQ-P-35, TYPE VI OR VII.

/4/ DRY FILM LUBRICANT

a. MATERIAL CODES: P, V, T, (400°F MAX) LUBRICANT CODE "L" AS5272 TYPE 1.
b. MATERIAL CODE:Y, (1300°F MAX) LUBRICANT CODE "H" AS1701 TYPE IV

APPLY DRY FILM LUBRICANT TO SEALING SURFACE. OVER SPRAY IN BORE IS NOT PERMITTED.

/5/ PROCUREMENT SPECIFICATION: AS4510 EXCEPT AS SPECIFIED ON THIS STANDARD. THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION IN A COMPLETE ASSEMBLY. The AS4207 FITTING END SHALL HAVE BEEN QUALIFIED TO THE APPLICABLE REQUIREMENTS ON AS85421 OR AS85721. USERS OF THIS STANDARD SHALL PROCURE THE PRODUCT FROM ACCREDITED MANUFACTURER(S), OR ACCREDITED DISTRIBUTOR(S), AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS85421 FOR THIS STANDARD. SEE http:www.pri.sae.org/QPL/AS85421/ FOR CURRENT QPL ON-LINE.

/6/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D, OR METHOD 7A3, 15A3, OR 15B. MANUFACTURER'S IDENTIFICATION, CAGE CODE NUMBER OR TRADEMARK, BASIC PART NUMBER, MATERIAL CODE LETTER AND TUBE WALL.

/7/ THIS PART IS DESIGNED FOR USE IN SYSTEMS WITH MAXIMUM OPERATING PRESSURES SHOWN IN TABLE 1B WITH RECOMMENDATION THAT THE MINIMUM WALL THICKNESS OF THE TUBING WELDED TO THE AS4697 FITTING END OF PORT #2 BE THE VALUE SHOWN FOR THE APPROPRIATE OPERATING PRESSURE IN ARP4698. THINNER WALL THICKNESSES MAY BE USED.

/8/ IF PORT #2 IS STYLE A, ØD WILL EXTEND THROUGHOUT THE PART AND ØC WILL NOT APPLY.

9. INTERPRETATION OF DRAWING PER ARP4296.

10. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 µin Ra. SURFACES OF HEX FLATS ON NUT MAY BE 250 µin Ra.

11. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.

12. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.

15. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.005, ANGULAR DIMENSIONS ±0°30'.