

FEDERAL SUPPLY CLASS
4730

RATIONALE

DRAWING NOTE #10 INCORRECTLY REFERENCED AS1376 TABLE 2. ALSO, QPL NOTE /4/ HAS BEEN CHANGED, PER THE NEWLY ADOPTED VERBIAGE AGREED TO DURING OUR SEPTEMBER G3 CONFERENCE.

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AS1004™

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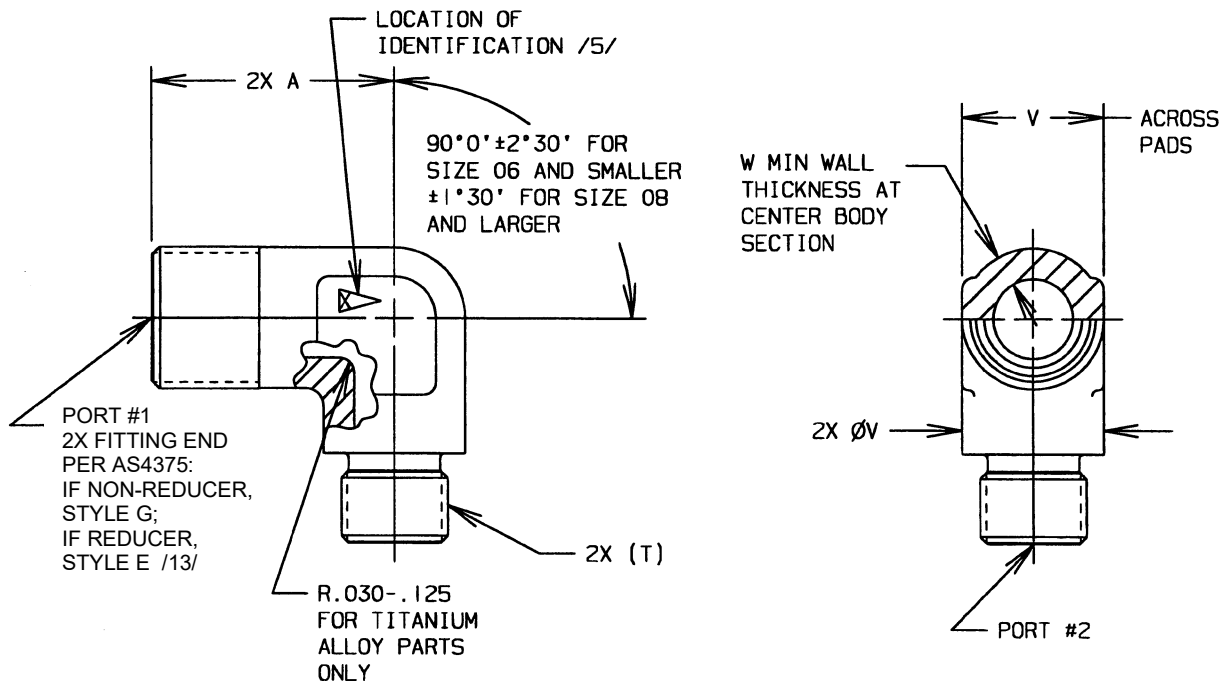
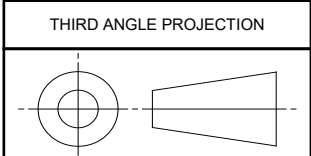


FIGURE 1 - FITTING, ELBOW, 90°, PORT #2 SHOWN AS REDUCER

TABLE 1 - DIMENSIONS AND WEIGHTS /12/

BASIC NO. AS1004 /11/ /21/ SIZE CODE	V	W	LB/EA APPROX REF ALUM	LB/EA APPROX REF STEEL	LB/EA APPROX REF TI
02	.297- .314	.090	.0105	.0300	.0166
03	.360- .377	.100	.0162	.0465	.0257
04	.423- .440	.110	.0217	.0624	.0344
05	.485- .502	.120	.0295	.0847	.0467
06	.547- .565	.120	.0378	.109	.0599
08	.735- .753	.150	.0783	.225	.124
10	.860- .878	.170	.0959	.275	.152
12	1.047-1.065	.185	.179	.514	.283
14	1.173-1.191	.200	.227	.652	.359
16	1.292-1.317	.205	.276	.791	.436
20	1.605-1.630	.240	.466	1.34	.739
24	1.855-1.880	.250	.595	1.71	.943
32	2.542-2.572	.350	1.40	4.01	2.21

For more information on this standard, visit
<https://www.sae.org/standards/content/AS1004H/>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /4/



AEROSPACE STANDARD

FITTING, ELBOW, 90°,
STANDARD AND REDUCER,
FLARELESS

AS1004™
SHEET 1 OF 4

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ISSUED 1966-03 REAFFIRMED 2005-06 REVISED 2022-05

TABLE 2 - LEG LENGTH A

FORGING SIZE /11/	TUBE SIZE OF PORT #1 OR #2 /13/												
	02	03	04	05	06	08	10	12	14	16	20	24	32
02	.773	-	-	-	-	-	-	-	-	-	-	-	-
03	.789	.836	-	-	-	-	-	-	-	-	-	-	-
04	.820	.867	.898	-	-	-	-	-	-	-	-	-	-
05	.883	.930	.961	.961	-	-	-	-	-	-	-	-	-
06	.961	1.008	1.039	1.039	1.055	-	-	-	-	-	-	-	-
08	1.086	1.133	1.164	1.164	1.180	1.273	-	-	-	-	-	-	-
10	1.180	1.226	1.258	1.258	1.274	1.367	1.430	-	-	-	-	-	-
12	1.272	1.320	1.351	1.351	1.367	1.460	1.523	1.586	-	-	-	-	-
14	1.398	1.445	1.476	1.476	1.492	1.585	1.648	1.742	1.680	-	-	-	-
16	1.429	1.476	1.507	1.507	1.523	1.616	1.679	1.742	1.742	1.742	-	-	-
20	1.585	1.632	1.663	1.663	1.679	1.772	1.835	1.898	1.898	1.898	1.898	-	-
24	1.710	1.757	1.788	1.788	1.804	1.897	1.960	2.023	2.023	2.023	2.023	2.023	-
32	2.148	2.195	2.226	2.226	2.242	2.335	2.398	2.461	2.461	2.461	2.461	2.461	2.461

TABLE 3 - TUBE SIZE AND CORRESPONDING THREAD

PORT SIZE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A
02	.125	.3125-24 UNJF
03	.188	.3750-24 UNJF
04	.250	.4375-20 UNJF
05	.312	.5000-20 UNJF
06	.375	.5625-18 UNJF
08	.500	.7500-16 UNJF
10	.625	.8750-14 UNJF
12	.750	1.0625-12 UNJ
14	.875	1.1875-12 UNJ
16	1.000	1.3125-12 UNJ
20	1.250	1.6250-12 UNJ
24	1.500	1.8750-12 UNJ
32	2.000	2.5000-12 UNJ

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

/1/ MATERIAL:

- CODE LETTER DASH (-): TYPE 4130 STEEL FORGING OR BAR PER AMS6370 OR AMS-S-6758, EXCEPT HEAT TREATMENT PER PROCUREMENT SPECIFICATION. /2/
- CODE LETTER D: TYPE 2024-T6 OR -T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR TYPE 2014-T6 ALUMINUM ALLOY FORGING PER AMS4133. /2/
- CODE LETTER F: TYPE 4130 LOW ALLOY STEEL FORGING OR BAR PER AMS6370 OR AMS-S-6758, EXCEPT HEAT TREATMENT PER PROCUREMENT SPECIFICATION. /2/
- CODE LETTER J: TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS5639 OR AMS-QQ-S-763, EXCEPT HARDNESS PER PROCUREMENT SPECIFICATION. /2/
- CODE LETTER K: TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS5648 OR AMS-QQ-S-763, EXCEPT HARDNESS PER PROCUREMENT SPECIFICATION. /2/

	AEROSPACE STANDARD		AS1004™ SHEET 2 OF 4	REV. H
	FITTING, ELBOW, 90°, STANDARD AND REDUCER, FLARELESS			