

RATIONALE

INACTIVE STATUS REPLACED BY "NOT RECOMMENDED." COLUMN FOR SIZE 28 ADDED TO TABLE 2. HEAT TREATMENT NOTE 2a REVISED AND NEW NOTE 2b ADDED. FINISH NOTES 3.b.2 AND 3.h.2 REVISED. REVISED QML STATEMENT REVISED. "INTENDED USE" NOTE REVISED. TABLE 4 REMOVED. USE OF TITANIUM AND CADMIUM IN OXYGEN AND POTABLE WATER SYSTEM WARNING NOTE REMOVED. GENERAL UPDATES INCORPORATED.

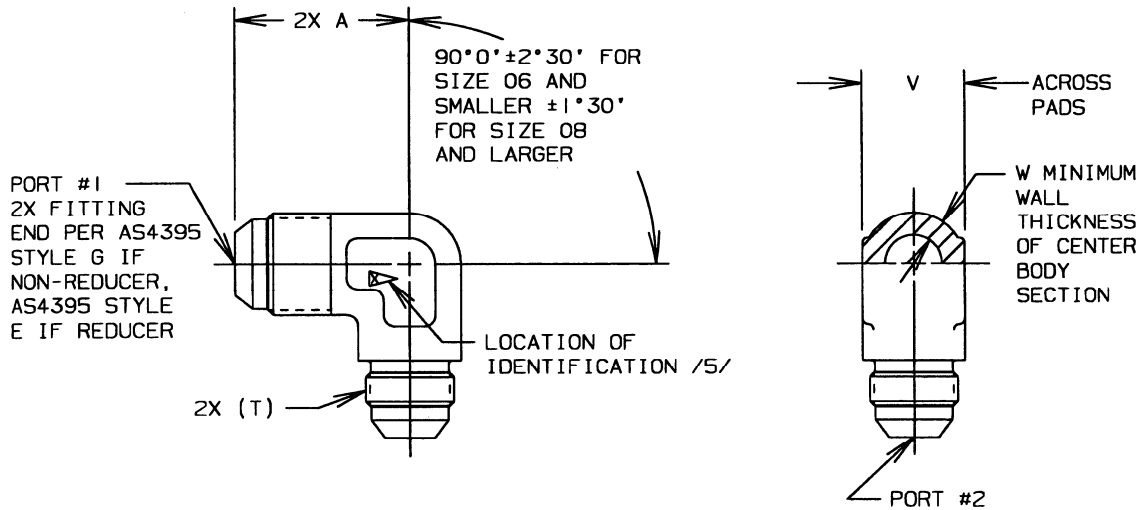


FIGURE 1 - ELBOW, 90°

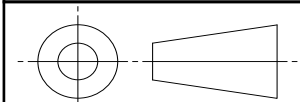
NOT RECOMMENDED IN PART /20/

TABLE 1 - DIMENSIONS AND WEIGHTS /12/

BASIC NO. AS1034 /11/ /19/ SIZE CODE	V	W	LB/EA APPROX REF ALUM	LB/EA APPROX REF STEEL	LB/EA APPROX REF TI
02	.297- .314	.090	.0091	.0262	.0131
03	.360- .377	.100	.0136	.0389	.0214
04	.423- .440	.110	.0187	.0537	.0296
05	.485- .502	.120	.0247	.0708	.0391
06	.547- .565	.120	.0324	.093	.0513
08	.735- .753	.150	.0700	.199	.111
10	.860- .878	.170	.0869	.249	.138
12	1.047-1.065	.185	.172	.493	.272
16	1.292-1.317	.205	.257	.736	.406
20	1.605-1.630	.240	.437	1.25	.692
24	1.855-1.880	.250	.604	1.74	.954
28	2.238-2.255	.310	1.05	3.00	1.651
32	2.542-2.572	.350	1.49	4.26	2.349

For more information on this standard, visit
<https://www.sae.org/standards/content/AS1034G/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS4841 /4/



AEROSPACE STANDARD

(R) FITTING, ELBOW, 90°,
STANDARD AND REDUCER,
FLARED

AS1034™
SHEET 1 OF 4

REV.
G

Documents

TABLE 2 - LEG LENGTH A

FORGING SIZE /11/	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2	TUBE SIZE OF PORT #1 OR #2
	02	03	04	05	06	08	10	12	16	20	24	28	32
02	.788	-	-	-	-	-	-	-	-	-	-	-	-
03	.820	.851	-	-	-	-	-	-	-	-	-	-	-
04	.820	.843	.914	-	-	-	-	-	-	-	-	-	-
05	.874	.905	.976	.976	-	-	-	-	-	-	-	-	-
06	.978	1.009	1.080	1.080	1.086	-	-	-	-	-	-	-	-
08	1.064	1.095	1.166	1.166	1.172	1.273	-	-	-	-	-	-	-
10	1.166	1.197	1.268	1.268	1.274	1.375	1.476	-	-	-	-	-	-
12	1.263	1.294	1.365	1.365	1.371	1.472	1.573	1.679	-	-	-	-	-
16	1.373	1.404	1.475	1.475	1.481	1.582	1.683	1.789	1.836	-	-	-	-
20	1.576	1.607	1.678	1.678	1.684	1.786	1.886	1.992	2.039	2.086	-	-	-
24	1.716	1.747	1.818	1.818	1.824	1.925	2.026	2.132	2.179	2.226	2.351	-	-
28	2.100	2.131	2.206	2.206	2.208	2.309	2.410	2.516	2.563	2.610	2.735	2.860	-
32	2.201	2.232	2.303	2.303	2.309	2.410	2.511	2.617	2.664	2.711	2.836	3.086	3.086

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
16	1.000	1.3125-12 UNJ
20	1.250	1.6250-12 UNJ
24	1.500	1.8750-12 UNJ
28	1.750	2.2500-12 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:

- DASH AS CODE LETTER - TYPE 4130 STEEL FORGING OR BAR PER AMS6370 OR AMS-S-6758, OR TYPE 4140 STEEL BAR PER AMS6349 OR AMS6382.
- CODE LETTER D - TYPE 2014-T6 ALUMINUM ALLOY FORGING PER AMS4133 OR AMS-QQ-A-367; OR 2024-T6 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6; OR 2024-T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6. /20/
- CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS5639.
- CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS5648.
- CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS5645.

	AEROSPACE STANDARD		AS1034™ SHEET 2 OF 4	REV. G
	(R) FITTING, ELBOW, 90°, STANDARD AND REDUCER, FLARED			

