

REV.
B

AS6104™

FEDERAL SUPPLY CLASS
4730

RATIONALE

HEAT TREATMENT NOTE 2a REVISED AND NEW NOTE 2b ADDED. QML STATEMENT REVISED. INTENDED USE" NOTE REVISED. NOTES 6a, 6b, AND 6c DELETED.

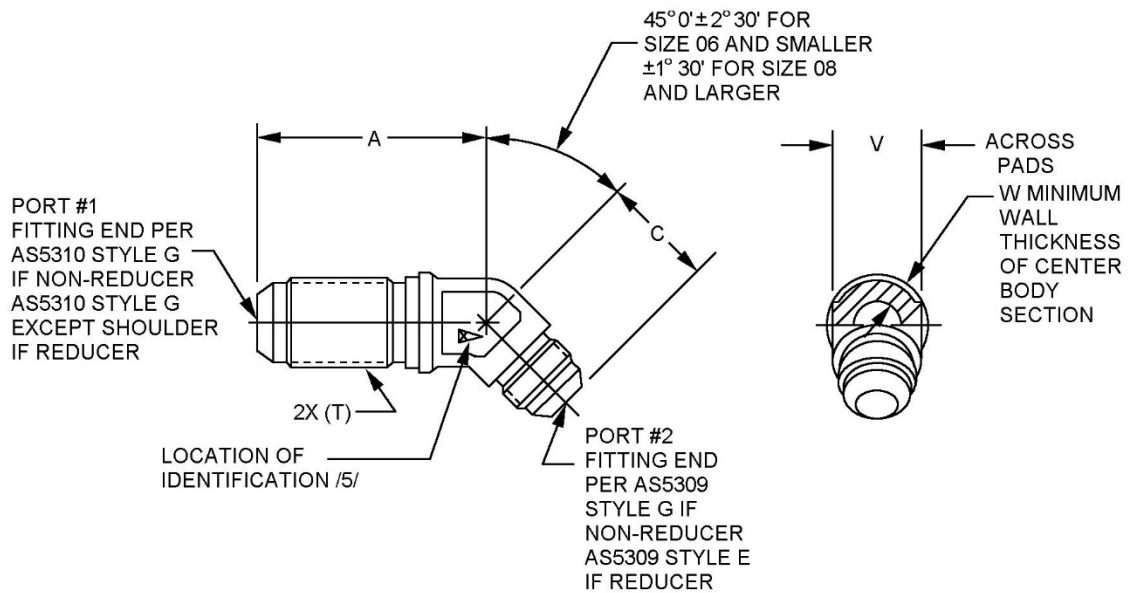


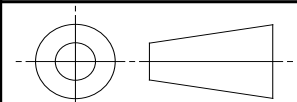
**FIGURE 1 - FITTING, ELBOW, 45°, BULKHEAD END
PORT #2 SHOWN AS REDUCER**

TABLE 1 - DIMENSIONS AND WEIGHTS /10/

BASIC NO. AS6104 /10/ /17/ SIZE CODE	V	W	LB/100 APPROX REF ALUM	LB/100 APPROX REF CRES	LB/100 APPROX REF TI
02	.297- .314	.090	1.134	3.267	1.800
03	.360- .377	.100	1.062	4.626	2.547
04	.423- .440	.110	2.241	6.444	3.555
05	.485- .502	.120	2.844	8.172	4.509
06	.547- .565	.120	3.636	10.440	5.769
08	.735- .753	.150	7.911	22.680	12.510
10	.860- .878	.170	10.170	29.160	16.110
12	1.047-1.065	.185	18.810	53.910	29.700
16	1.292-1.317	.205	27.180	78.210	43.110
20	1.605-1.630	.240	45.540	130.500	72.180
24	1.855-1.880	.240	60.930	174.600	96.300
32	2.542-2.572	.350	136.800	393.300	216.900

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6104B/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS4841 /4/



AEROSPACE STANDARD

FITTING, ELBOW 45°,
STANDARD AND REDUCER,
37° SPHERICAL, FLARED

AS6104™
SHEET 1 OF 4

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B



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TABLE 2 - LEG LENGTH A

FORGING SIZE /10/	TUBE SIZE OF PORT #1 02	TUBE SIZE OF PORT #1 03	TUBE SIZE OF PORT #1 04	TUBE SIZE OF PORT #1 05	TUBE SIZE OF PORT #1 06	TUBE SIZE OF PORT #1 08	TUBE SIZE OF PORT #1 10	TUBE SIZE OF PORT #1 12	TUBE SIZE OF PORT #1 16	TUBE SIZE OF PORT #1 20	TUBE SIZE OF PORT #1 24	TUBE SIZE OF PORT #1 32
02	1.398	-	-	-	-	-	-	-	-	-	-	-
03	1.398	1.398	-	-	-	-	-	-	-	-	-	-
04	1.460	1.460	1.554	-	-	-	-	-	-	-	-	-
05	1.460	1.460	1.557	1.554	-	-	-	-	-	-	-	-
06	1.523	1.523	1.617	1.617	1.695	-	-	-	-	-	-	-
08	1.633	1.633	1.727	1.727	1.805	1.961	-	-	-	-	-	-
10	1.726	1.726	1.820	1.820	1.898	2.054	2.195	-	-	-	-	-
12	1.821	1.821	1.915	1.915	1.993	2.149	2.290	2.461	-	-	-	-
16	1.946	1.946	2.040	2.040	2.118	2.274	2.415	2.586	2.586	-	-	-
20	1.992	1.992	2.086	2.086	2.164	2.320	2.461	2.632	2.632	2.679	-	-
24	1.992	1.992	2.086	2.086	2.164	2.320	2.461	2.632	2.632	2.679	2.695	-
32	1.945	1.945	2.039	2.039	2.117	2.273	2.414	2.585	2.585	2.632	2.648	2.929

TABLE 3 - LEG LENGTH C

FORGING SIZE /10/	TUBE SIZE OF PORT #2 02	TUBE SIZE OF PORT #2 03	TUBE SIZE OF PORT #2 04	TUBE SIZE OF PORT #2 05	TUBE SIZE OF PORT #2 06	TUBE SIZE OF PORT #2 08	TUBE SIZE OF PORT #2 10	TUBE SIZE OF PORT #2 12	TUBE SIZE OF PORT #2 16	TUBE SIZE OF PORT #2 20	TUBE SIZE OF PORT #2 24	TUBE SIZE OF PORT #2 32
02	.664	-	-	-	-	-	-	-	-	-	-	-
03	.633	.664	-	-	-	-	-	-	-	-	-	-
04	.633	.655	.726	-	-	-	-	-	-	-	-	-
05	.671	.702	.773	.773	-	-	-	-	-	-	-	-
06	.728	.759	.830	.830	.836	-	-	-	-	-	-	-
08	.783	.814	.885	.885	.891	.992	-	-	-	-	-	-
10	.807	.838	.909	.909	.915	1.016	1.117	-	-	-	-	-
12	.873	.904	.975	.975	.981	1.082	1.183	1.289	-	-	-	-
16	1.013	1.044	1.115	1.115	1.121	1.222	1.323	1.429	1.476	-	-	-
20	1.091	1.122	1.193	1.193	1.199	1.300	1.401	1.507	1.554	1.601	-	-
24	1.154	1.185	1.256	1.256	1.262	1.363	1.464	1.570	1.617	1.664	1.789	-
32	1.341	1.372	1.443	1.443	1.449	1.550	1.651	1.757	1.804	1.851	1.976	2.226

TABLE 4 - TUBE SIZE AND CORRESPONDING THREAD

PORT SIZE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879
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
32	2.000	2.5000-12 UNJ



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