

REV.  
B

AS5196

FEDERAL SUPPLY CLASS  
4730

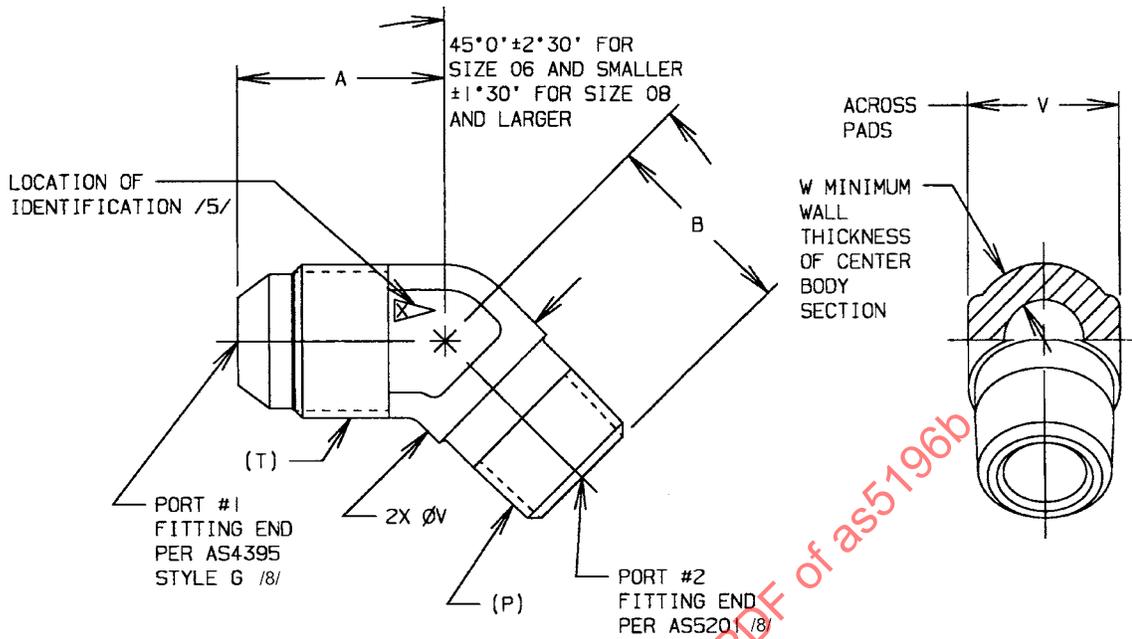


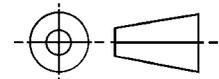
FIGURE 1 - FITTING, ELBOW, 45°

TABLE 1 - DIMENSIONS

BASIC NO. AS5196 /16/ SIZE CODE	(NOMINAL TUBE SIZE) PORT #1	(NOMINAL PIPE SIZE) PORT #2	P THREAD PER AS71051 ANPT	T THREAD PER AS8879 CLASS 3A	PORT #2 STYLE	A	B ±.016
0202	.125	.125	1/8-27	.3125-24 UNJF	B	.665	.500
0302	.188	.125	1/8-27	.3750-24 UNJF	B	.665	.500
0402	.250	.125	1/8-27	.4375-20 UNJF	C	.726	.625
0502	.312	.125	1/8-27	.5000-20 UNJF	C	.774	.625
0604	.375	.250	1/4-18	.5625-18 UNJF	A	.837	.844
0806	.500	.375	3/8-18	.7500-16 UNJF	C	.993	.938
1008	.625	.500	1/2-14	.8750-14 UNJF	C	1.118	1.156
1212	.750	.750	3/4-14	1.0625-12 UNJ	A	1.290	1.188
1612	1.000	.750	3/4-14	1.3125-12 UNJ	C	1.477	1.250
1616	1.000	1.000	1-11 1/2	1.3125-12 UNJ	A	1.477	1.469
2016	1.250	1.000	1-11 1/2	1.6250-12 UNJ	C	1.602	1.531
2020	1.250	1.250	1 1/4-11 1/2	1.6250-12 UNJ	B	1.602	1.656
2420	1.500	1.250	1 1/4-11 1/2	1.8750-12 UNJ	C	1.790	1.656
2824	1.750	1.500	1 1/2-11 1/2	2.2500-12 UNJ	C	1.977	2.000
3232	2.000	2.000	2-11 1/2	2.5000-12 UNJ	C	2.227	2.094

INACTIVE IN PART - See Note /17/

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4842/1

**SAE Aerospace**  
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**AEROSPACE STANDARD**

FITTING, ELBOW, 45°,  
FLARED TO PIPE

**AS5196**  
SHEET 1 OF 3

**REV.  
B**

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REVISED 2003-08  
ISSUED 1999-04

REV.  
B

AS5196

TABLE 1A - DIMENSIONS AND WEIGHTS

BASIC NO. AS5196 /16/ SIZE CODE	V	W	LB/EA APPROX REF AL	LB/EA APPROX REF CU	LB/EA APPROX REF STEEL
0202	.297- .314	.090	.00918	.0279	.0268
0302	.360- .377	.100	.0133	.0405	.0383
0402	.423- .440	.110	.0189	.0575	.0543
0502	.485- .502	.120	.0251	.0765	.0722
0604	.547- .565	.120	.0356	.108	.103
0806	.735- .753	.150	.0732	.222	.210
1008	.860- .878	.170	.110	.334	.316
1212	1.047-1.065	.185	.173	.527	.497
1612	1.292-1.317	.205	.298	.909	.855
1616	1.292-1.317	.205	.278	.846	.799
2016	1.605-1.630	.240	.549	1.67	1.58
2020	1.605-1.630	.240	.469	1.42	1.35
2420	1.855-1.880	.250	.712	2.16	2.04
2824	2.230-2.260	.350	1.23	4.74	3.54
3232	2.542-2.572	.350	1.78	5.41	5.10

## NOTES:

## /1/ MATERIAL:

- a. DASH AS CODE LETTER - LOW ALLOY STEEL FORGING OR BAR, TYPE 4130 PER AMS-S-6758 OR AMS 6370, OR TYPE 4140 PER AMS 6382. /2/
- b. CODE LETTER B - TYPE 377 COPPER ALLOY FORGING PER ASTM B 124 OR AMS 4614 OR HALF HARD FORGING OR BAR PER ASTM B 138.
- c. CODE LETTER D - TYPE 2014-T6 ALUMINUM ALLOY FORGING PER AMS 4134, OR TYPE 2024-T6 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6, OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS 4339. /2/ /16/
- d. CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5639.
- e. CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5648.
- f. CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5645.
- g. CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY FORGING PER AMS 4141, OR TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9, OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS 4124. /2/

## /2/ HEAT TREATMENT:

- a. DASH AS CODE LETTER - SEE HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- b. CODE LETTERS D AND W - SEE ELECTRICAL CONDUCTIVITY AND HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION. /16/
- c. OTHER CODE LETTERS - NONE.



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## AEROSPACE STANDARD

FITTING, ELBOW, 45°,  
FLARED TO PIPEAS5196  
SHEET 2 OF 3REV.  
B