

REV.
A

AS5196

FEDERAL SUPPLY CLASS
4730

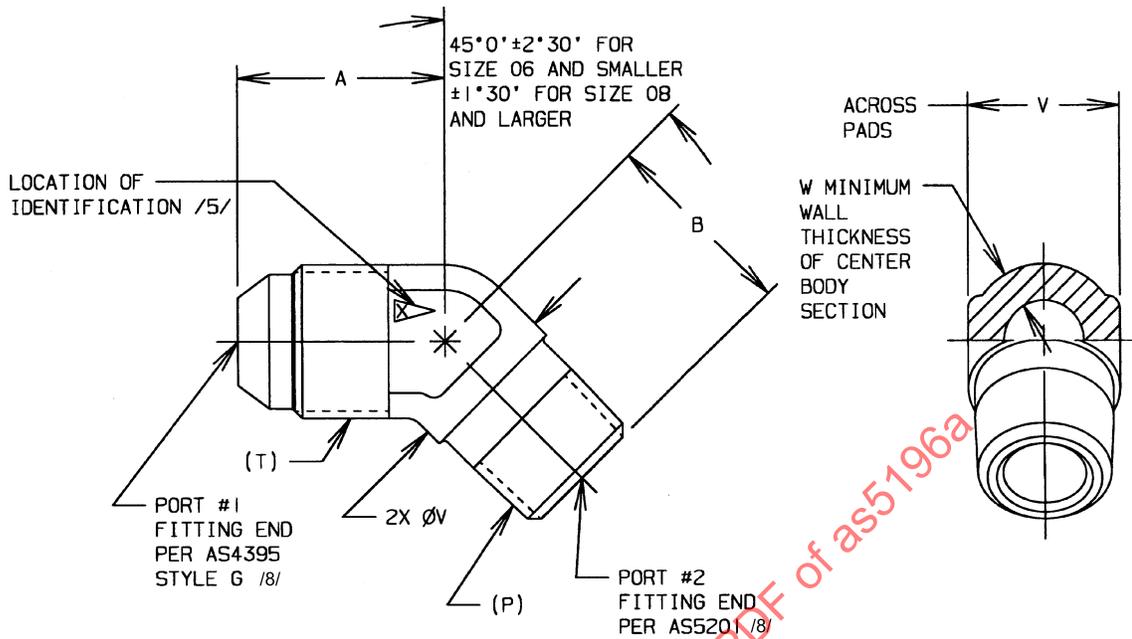


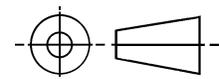
FIGURE 1 - FITTING, ELBOW, 45°

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 The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

(R)

FITTING, ELBOW, 45°,
FLARED TO PIPE

AS5196
SHEET 1 OF 3

REV.
A

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REVISED 2000-10
ISSUED 1999-04

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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:

- 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/
- 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.
- 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/
- CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5639.
- CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5648.
- CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS 5645.
- 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:

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