

REV.
A

AS5195

FEDERAL SUPPLY CLASS
4730

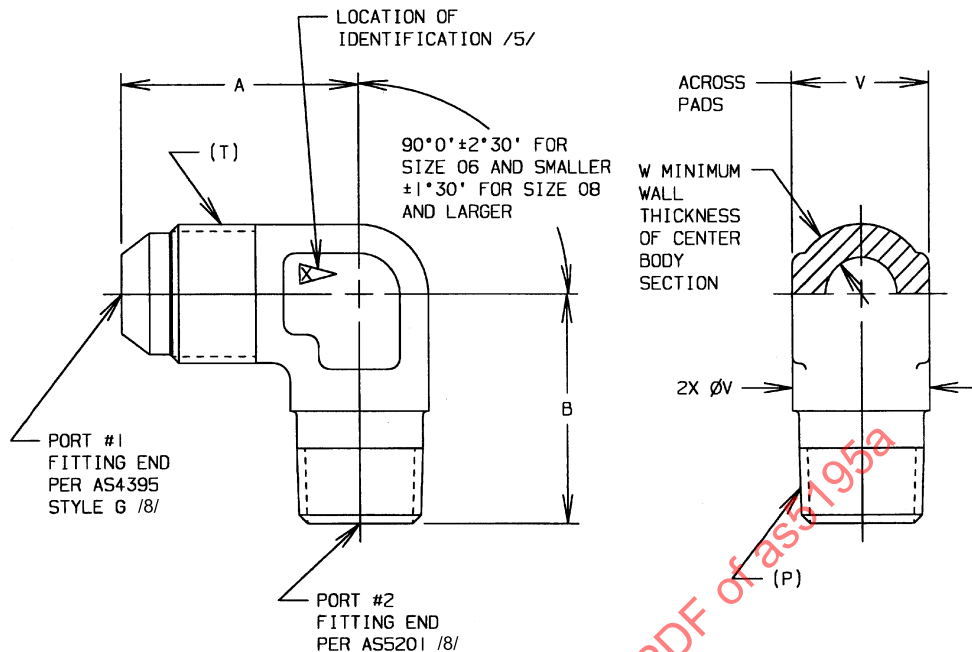


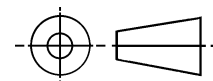
FIGURE 1 - FITTING, ELBOW, 90°

TABLE 1 - DIMENSIONS

BASIC NO. AS5195 /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
0202	.125	.125	1/8-27	.3125-24 UNJF	B	.790	.743
0302	.188	.125	1/8-27	.3750-24 UNJF	B	.852	.743
0402	.250	.125	1/8-27	.4375-20 UNJF	C	.915	.805
0404	.250	.250	1/4-18	.4375-20 UNJF	A	1.055	1.086
0502	.312	.125	1/8-27	.5000-20 UNJF	C	.977	.805
0504	.312	.250	1/4-18	.5000-20 UNJF	A	1.055	1.086
0602	.375	.125	1/8-27	.5625-18 UNJF	C	1.055	.899
0604	.375	.250	1/4-18	.5625-18 UNJF	A	1.086	1.118
0606	.375	.375	3/8-18	.5625-18 UNJF	C	1.212	1.212
0608	.375	.500	1/2-14	.5625-18 UNJF	C	1.336	1.462
0806	.500	.375	3/8-18	.7500-16 UNJF	C	1.274	1.243
1008	.625	.500	1/2-14	.8750-14 UNJF	C	1.477	1.493

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, 90°,
FLARED TO PIPE

AS5195
SHEET 1 OF 4

**REV.
A**

REV.
A

AS5195

TABLE 1A - DIMENSIONS AND WEIGHTS

BASIC NO. AS5195 /16/ SIZE CODE	V	W	LB/EA APPROX REF AL	LB/EA APPROX REF CU	LB/EA APPROX REF STEEL
0202	.297-.314	.090	.0122	.0370	.0349
0302	.360-.377	.100	.0177	.0537	.0507
0402	.423-.440	.110	.0251	.0762	.0720
0404	.547-.565	.120	.0485	.147	.139
0502	.485-.502	.120	.0334	.101	.0958
0504	.547-.565	.120	.0476	.145	.137
0602	.547-.565	.120	.0454	.138	.130
0604	.547-.565	.120	.0473	.144	.136
0606	.735-.753	.150	.0953	.290	.274
0608	.860-.878	.170	.149	.452	.427
0806	.735-.753	.150	.0971	.295	.279
1008	.860-.878	.170	.146	.443	.419

TABLE 1B - DIMENSIONS

BASIC NO. AS5195 /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
1012	.625	.750	3/4-14	.8750-14 UNJF	A	1.649	1.586
1208	.750	.500	1/2-14	1.0625-12 UNJ	C	1.649	1.586
1212	.750	.750	3/4-14	1.0625-12 UNJ	A	1.680	1.618
1216	.750	1.000	1-11 1/2	1.0625-12 UNJ	A	1.805	1.962
1612	1.000	.750	3/4-14	1.3125-12 UNJ	C	1.836	1.743
1616	1.000	1.000	1-11 1/2	1.3125-12 UNJ	A	1.836	1.993
2016	1.250	1.000	1-11 1/2	1.6250-12 UNJ	C	2.055	2.399
2020	1.250	1.250	1 1/4-11 1/2	1.6250-12 UNJ	B	2.086	2.399
2420	1.500	1.250	1 1/4-11 1/2	1.8750-12 UNJ	C	2.227	2.524
2824	1.750	1.500	1 1/2-11 1/2	2.2500-12 UNJ	C	2.836	2.805
3232	2.000	2.000	2-11 1/2	2.5000-12 UNJ	C	3.086	3.024

REV.
A

AS5195

TABLE 1C - DIMENSIONS AND WEIGHTS

BASIC NO. AS5195 /16/ SIZE CODE	V	W	LB/EA APPROX REF AL	LB/EA APPROX REF CU	LB/EA APPROX REF STEEL
1012	1.047-1.065	.185	.237	.721	.681
1208	1.047-1.065	.185	.245	.745	.704
1212	1.047-1.065	.185	.230	.698	.659
1216	1.292-1.317	.205	.407	1.24	1.17
1612	1.292-1.317	.205	.395	1.20	1.13
1616	1.292-1.317	.205	.369	1.12	1.06
2016	1.605-1.630	.240	.728	2.21	2.09
2020	1.605-1.630	.240	.622	1.89	1.79
2420	1.855-1.880	.250	.944	2.87	2.71
2824	2.230-2.260	.350	1.63	4.96	4.69
3232	2.542-2.572	.350	2.36	7.17	6.77

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.

3. FINISH:

- DASH AS CODE LETTER - CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2, DYE BLACK AND COAT WITH A LIGHT FILM OF OIL PER PROCUREMENT SPECIFICATION.
- CODE LETTER B - CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 3 OR NONE.
- CODE LETTER D - ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYE BLUE, DUPLEX SEAL PER PROCUREMENT SPECIFICATION. /16/
- CODE LETTERS J, K AND R - PASSIVATE PER AMS-QQ-P-35, TYPE VI OR VII.
- CODE LETTER W - ANODIZE PER AMS 2472 OR MIL-A-8625, TYPE II, CLASS 2, DYE BROWN, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.