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REV.
E

AS5194™

FEDERAL SUPPLY CLASS
4730

RATIONALE

"NOT RECOMMENDED" NOTE ADDED TO SHEET 1. ALTERNATE MATERIALS ADDED TO NOTE 1. QML STATEMENT REVISED. "INTENDED USE" NOTE REVISED. TABLE 2 REMOVED. NOTE 18 ADDED.

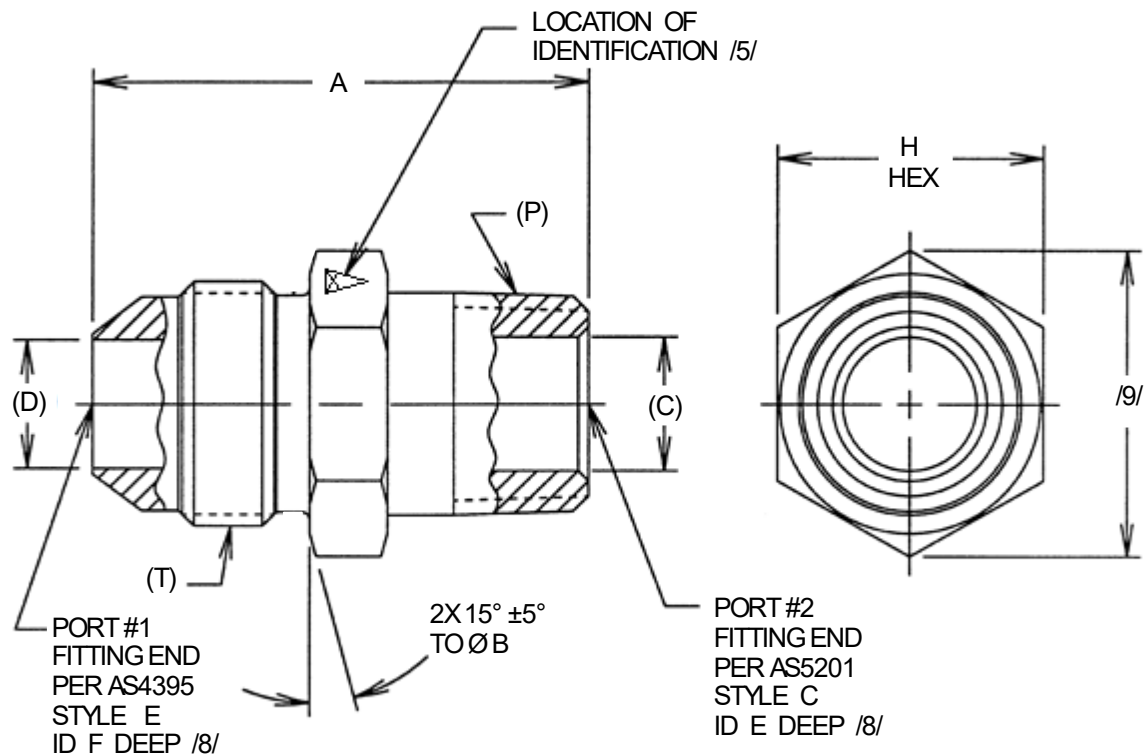
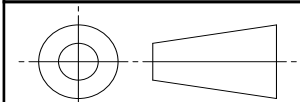


FIGURE 1 - FITTING, ADAPTER

NOT RECOMMENDED IN PART /18/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5194E>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4842/1 /4/



AEROSPACE STANDARD

(R) FITTING, ADAPTER, STRAIGHT PIPE TO FLARED

AS5194™
SHEET 1 OF 5

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TABLE 1A - DIMENSIONS A THRU D

BASIC NO. AS5194 /16/ SIZE CODE	(NOMINAL TUBE SIZE) PORT #1	(NOMINAL PIPE SIZE) PORT #2	T THREAD PER AS8879 CLASS 3A	P THREAD PER AS71051 ANPT	A	B ±.010	C	D
0202	.125	.125	.3125-24 UNJF	1/8-27	1.016	.418	.188	.062
0302	.188	.125	.3750-24 UNJF	1/8-27	1.047	.418	.188	.124
0402	.250	.125	.4375-20 UNJF	1/8-27	1.109	.480	.188	.172
0404	.250	.250	.4375-20 UNJF	1/4-18	1.375	.542	.282	.172
0502	.312	.125	.5000-20 UNJF	1/8-27	1.141	.542	.188	.234
0504	.312	.250	.5000-20 UNJF	1/4-18	1.375	.542	.282	.234
0602	.375	.125	.5625-18 UNJF	1/8-27	1.187	.605	.188	.297
0604	.375	.250	.5625-18 UNJF	1/4-18	1.375	.605	.282	.297
0606	.375	.375	.5625-18 UNJF	3/8-18	1.406	.730	.406	.297
0608	.375	.500	.5625-18 UNJF	1/2-14	1.625	.855	.532	.297
0804	.500	.250	.7500-16 UNJF	1/4-18	1.500	.792	.282	.391
0806	.500	.375	.7500-16 UNJF	3/8-18	1.500	.792	.406	.391
1008	.625	.500	.8750-14 UNJF	1/2-14	1.828	.918	.532	.484
1012	.625	.750	.8750-14 UNJF	3/4-14	1.844	1.103	.720	.484
1208	.750	.500	1.0625-12 UNJ	1/2-14	1.953	1.103	.532	.609

TABLE 1B - DIMENSIONS E THRU H AND WEIGHTS

BASIC NO. AS5194 /16/ SIZE CODE	E	F	H	LB/EA APPROX REF AL	LB/EA APPROX REF COPPER	LB/EA APPROX REF STEEL
0202	.469	—	.428- .440	.00800	.0243	.0230
0302	.469	—	.428- .440	.00898	.0273	.0258
0402	.469	—	.490- .502	.0111	.0338	.0320
0404	.688	—	.552- .565	.0177	.0538	.0508
0502	—	.625	.552- .565	.0140	.0426	.0402
0504	.688	—	.552- .565	.0185	.0562	.0531
0602	—	.687	.615- .628	.0178	.0543	.0513
0604	.688	—	.615- .628	.0203	.0619	.0585
0606	.688	—	.740- .753	.0272	.0826	.0780
0608	.875	—	.865- .878	.0422	.129	.122
0804	—	.844	.802- .815	.0464	.141	.133
0806	.688	—	.802- .815	.0368	.112	.105
1008	.906	—	.928- .941	.0583	.177	.167
1012	.906	—	1.113-1.128	.0751	.228	.215
1208	—	1.062	1.113-1.128	.0843	.256	.242



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