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SAE AS6195

FEDERAL SUPPLY CLASS
4730

RATIONALE

NEW STANDARD FOR OPERATING PRESSURES UP TO AND INCLUDING 1500 PSI

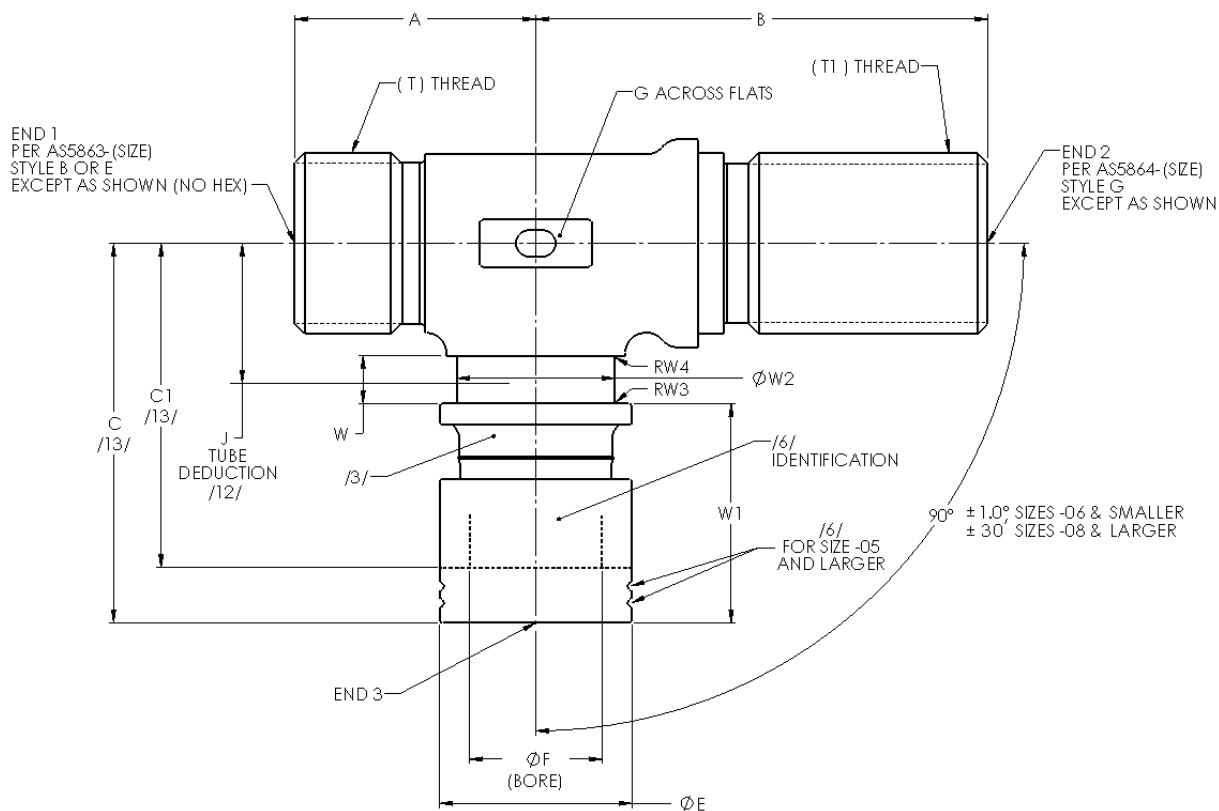
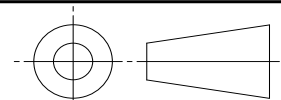


FIGURE 1 - TEE, MALE FLARELESS, BULKHEAD FLARELESS ON THE RUN, AXIALLY SWAGED ON THE SIDE

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS6116 /4/

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING ASSEMBLY, TEE,
MALE FLARELESS, BULKHEAD FLARELESS ON THE RUN,
AXIALLY SWAGED ON THE SIDE, HYDRAULIC, UP TO 1500 PSI

SAE AS6195
SHEET 1 OF 4

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TABLE 1A - DIMENSIONS A THROUGH E

BASIC NO. AS6195 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A ±.015	B ±.015	C MAX	C1 MAX	ØE MAX
040404	.250	.250	.250	.767	1.523	1.123	.970	.435
050505	.3125	.3125	.3125	.786	1.555	1.283	1.135	.503
060606	.375	.375	.375	.846	1.711	1.470	1.243	.580
080808	.500	.500	.500	1.032	1.992	1.771	1.511	.755
101010	.625	.625	.625	1.158	2.243	1.856	1.616	.929
121212	.750	.750	.750	1.346	2.492	2.085	1.805	1.150
161616	1.000	1.000	1.000	1.505	2.617	2.615	2.235	1.474

TABLE 1B - DIMENSIONS F THROUGH J

BASIC NO. AS6195 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	ØF MIN	G ±.015	J /12/ TUBE DEDUCTION
040404	.250	.250	.250	.253	.438	.430 +.150/-.180
050505	.3125	.3125	.3125	.3155	.465	.460 +.150/-.180
060606	.375	.375	.375	.378	.563	.498 +.150/-.195
080808	.500	.500	.500	.503	.750	.596 +.150/-.210
101010	.625	.625	.625	.629	.875	.676 +.150/-.200
121212	.750	.750	.750	.754	1.063	.765 +.150/-.245
161616	1.000	1.000	1.000	1.004	1.304	.925 +.150/-.330

TABLE 1C - DIMENSIONS T THROUGH W1

BASIC NO. AS6195 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	(T) THREAD PER AS8879	(T1) THREAD PER AS8879	W MIN	W1 MAX
040404	.250	.250	.250	.4375-20 UNJF-3A	.4375-20 UNJF-3A	.185	.604
050505	.3125	.3125	.3125	.5000-20 UNJF-3A	.5000-20 UNJF-3A	.180	.724
060606	.375	.375	.375	.5625-18 UNJF-3A	.5625-18 UNJF-3A	.195	.883
080808	.500	.500	.500	.7500-16 UNJF-3A	.7500-16 UNJF-3A	.210	1.076
101010	.625	.625	.625	.8750-14 UNJF-3A	.8750-14 UNJF-3A	.225	1.076
121212	.750	.750	.750	1.0625-12 UNJ-3A	1.0625-12 UNJ-3A	.235	1.201
161616	1.000	1.000	1.000	1.3125-12 UNJ-3A	1.3125-12 UNJ-3A	.260	1.566

TABLE 1D - DIMENSIONS W2 THROUGH W4 AND WEIGHTS

BASIC NO. AS6195 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	ØW2 ±.002	W3 MAX	W4 MAX	WEIGHT APPROX LB/EA
040404	.250	.250	.250	.320	.020	.020	.035
050505	.3125	.3125	.3125	.371	.020	.020	.040
060606	.375	.375	.375	.463	.020	.020	.055
080808	.500	.500	.500	.595	.020	.020	.110
101010	.625	.625	.625	.758	.020	.020	.155
121212	.750	.750	.750	.903	.025	.025	.245
161616	1.000	1.000	1.000	1.196	.035	.035	.395