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REV.
A

AS6194™

FEDERAL SUPPLY CLASS
4730

RATIONALE

REVISE THE FINISH FOR ALUMINUM WIRE BY REPLACING THE DUPLEX SEAL WITH A "NO DUPLEX SEAL" NOTE REQUIREMENT. UPDATE OUTDATED SPECIFICATION CALLOUT TO CURRENT SPECIFICATION. QPL NOTE /4/ REVISED TO REFLECT CURRENT VERBIAGE. REVISION INDICATOR NOTE 17 ADDED. DISPOSITION OF INVENTORIED PARTS MANUFACTURED TO PREVIOUS REVISION NOTE 18 ADDED.

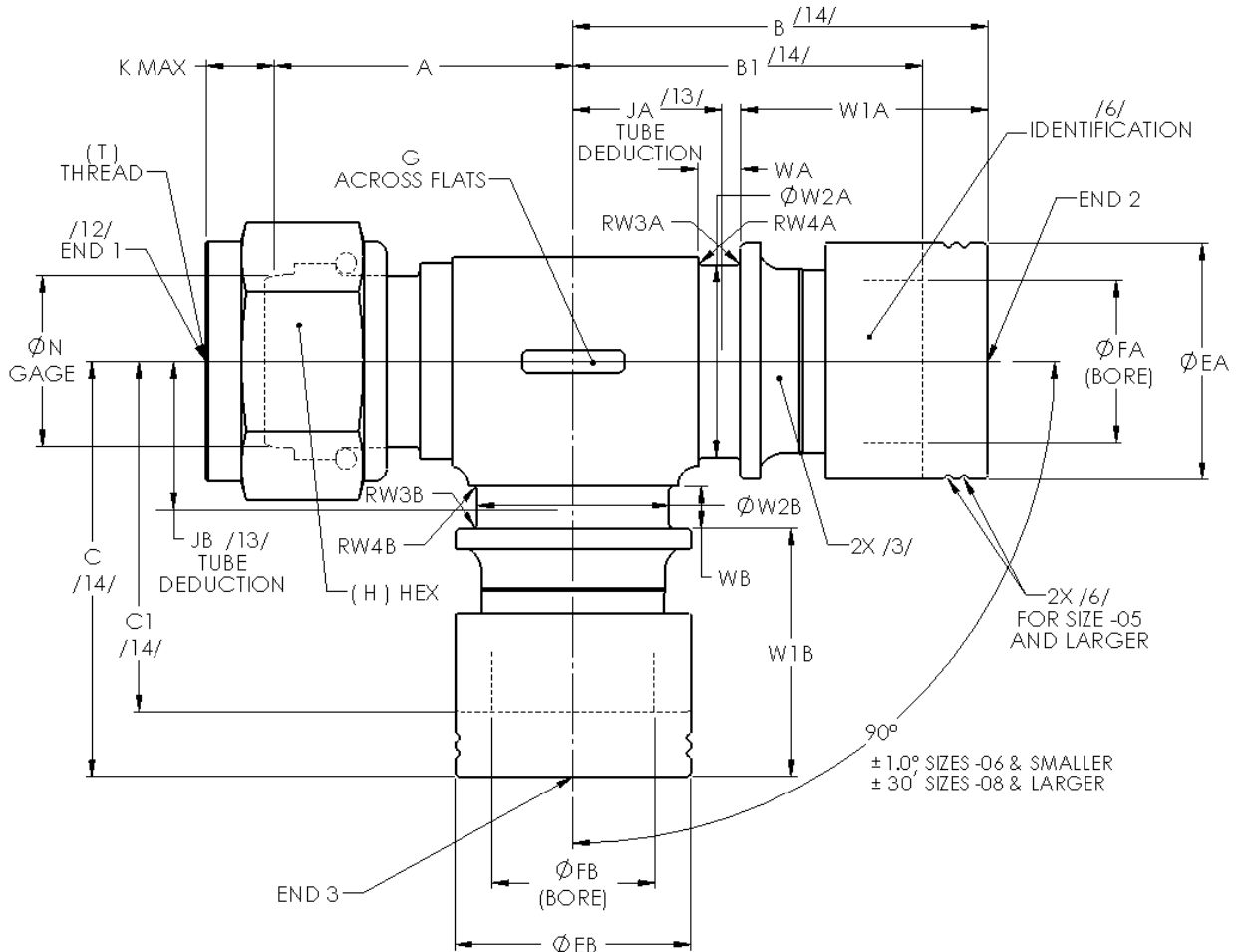
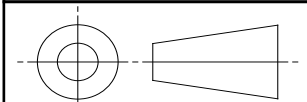


FIGURE 1 - TEE, AXIALLY SWAGED, FEMALE FLARELESS ON THE RUN, AXIALLY SWAGED ON THE SIDE

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6194A/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS6116 /4/



AEROSPACE STANDARD

FLARING ASSEMBLY, TEE, AXIALLY SWAGED,
FEMALE FLARELESS ON THE RUN, AXIALLY SWAGED
ON THE SIDE, HYDRAULIC, UP TO 1500 PSI

AS6194™
SHEET 1 OF 4

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TABLE 1A - DIMENSIONS A THROUGH FB

BASIC NO. AS6194 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A ±.015	B MAX	B1 MAX	C MAX	C1 MAX	ØEA MAX	ØEB MAX	ØFA MIN	ØFB MIN
040404	.250	.250	.250	.874	1.078	.925	1.112	.959	.435	.435	.253	.253
050505	.3125	.3125	.3125	.949	1.333	1.185	1.258	1.110	.503	.503	.3155	.3155
060606	.375	.375	.375	1.047	1.427	1.200	1.464	1.237	.580	.580	.378	.378
080808	.500	.500	.500	1.230	1.725	1.465	1.765	1.505	.755	.755	.503	.503
101010	.625	.625	.625	1.434	1.805	1.565	1.843	1.603	.929	.929	.629	.629
121212	.750	.750	.750	1.598	2.050	1.770	2.103	1.823	1.150	1.150	.754	.754
161010	1.000	.625	.625	1.864	2.093	1.853	2.093	1.853	.929	.929	.629	.629
161606	1.000	1.000	.375	1.864	2.615	2.235	1.870	1.643	1.474	.580	1.004	.378
161616	1.000	1.000	1.000	1.864	2.615	2.235	2.618	2.238	1.474	1.474	1.004	1.004
202020	1.250	1.250	1.250	2.093	3.060	2.645	3.069	2.654	1.768	1.768	1.255	1.255

TABLE 1B - DIMENSIONS G THROUGH JB

BASIC NO. AS6194 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	G ±.015	JA /13/ TUBE DEDUCTION		JB /13/ TUBE DEDUCTION	
040404	.250	.250	.250	.438	.385	+ .150/- .180	.419	+ .150/- .180
050505	.3125	.3125	.3125	.465	.510	+ .150/- .180	.435	+ .150/- .180
060606	.375	.375	.375	.563	.455	+ .150/- .195	.492	+ .150/- .195
080808	.500	.500	.500	.750	.550	+ .150/- .210	.590	+ .150/- .210
101010	.625	.625	.625	.875	.625	+ .150/- .200	.663	+ .150/- .200
121212	.750	.750	.750	1.063	.730	+ .150/- .245	.783	+ .150/- .245
161010	1.000	.625	.625	1.304	.913	+ .150/- .200	.913	+ .150/- .200
161606	1.000	1.000	.375	1.304	.925	+ .150/- .330	.898	+ .150/- .195
161616	1.000	1.000	1.000	1.304	.925	+ .150/- .330	.928	+ .150/- .330
202020	1.250	1.250	1.250	1.618	1.095	+ .150/- .375	1.104	+ .150/- .375

TABLE 1C - DIMENSIONS K THROUGH T

BASIC NO. AS6194 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	K MAX	ØN GAGE	(H)	(T) THREAD PER AS8879
040404	.250	.250	.250	.248	.2930	.562	.4375-20 UNJF-3B
050505	.3125	.3125	.3125	.331	.3500	.625	.5000-20 UNJF-3B
060606	.375	.375	.375	.302	.4120	.688	.5625-18 UNJF-3B
080808	.500	.500	.500	.316	.5600	.875	.7500-16 UNJF-3B
101010	.625	.625	.625	.424	.6730	1.000	.8750-14 UNJF-3B
121212	.750	.750	.750	.388	.8100	1.250	1.0625-12 UNJ-3B
161010	1.000	.625	.625	.454	1.0620	1.500	1.3125-12 UNJ-3B
161606	1.000	1.000	.375	.454	1.0620	1.500	1.3125-12 UNJ-3B
161616	1.000	1.000	1.000	.454	1.0620	1.500	1.3125-12 UNJ-3B
202020	1.250	1.250	1.250	.465	1.3160	1.812	1.6250-12 UNJ-3B



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