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REV.
A

AS6158™

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 UPDATE OUTDATED SPECIFICATION CALLOUT TO CURRENT SPECIFICATION.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.

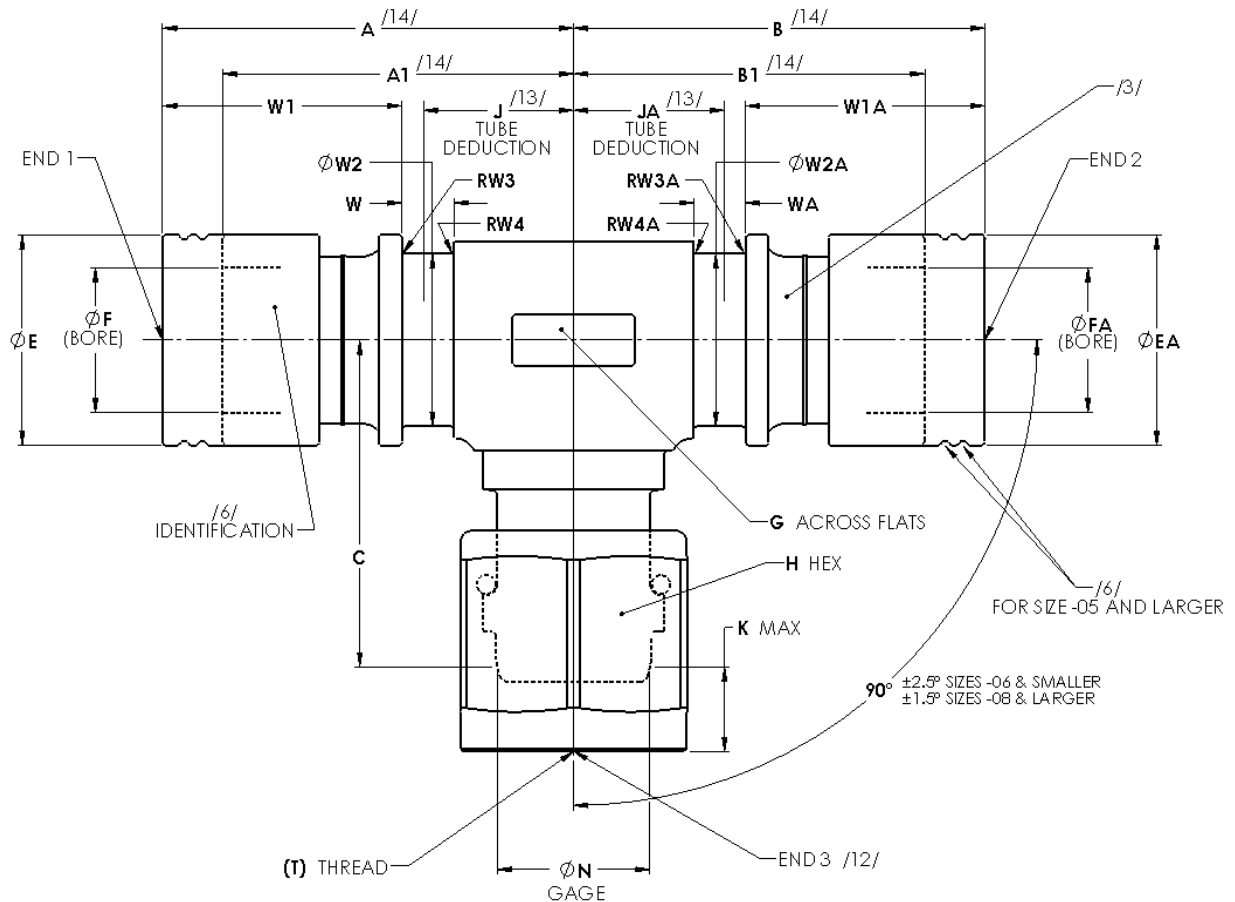
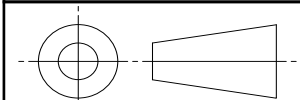


**FIGURE 1 - TEE, AXIALLY SWAGED ON THE RUN,
FEMALE FLARELESS ON THE SIDE**

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6158A/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS6116 /4/



AEROSPACE STANDARD

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

AS6158™
SHEET 1 OF 4

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TABLE 1A - DIMENSIONS A THROUGH EA

BASIC NO. AS6158 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A MAX	A1 MAX	B MAX	B1 MAX	C ±.015	ØE MAX	ØEA MAX
040404	.250	.250	.250	1.112	.959	1.112	.959	.874	.435	.435
050505	.3125	.3125	.3125	1.258	1.110	1.258	1.110	.949	.503	.503
060606	.375	.375	.375	1.464	1.237	1.464	1.237	1.047	.580	.580
080808	.500	.500	.500	1.765	1.505	1.765	1.505	1.230	.755	.755
101010	.625	.625	.625	1.843	1.603	1.843	1.603	1.434	.929	.929
121212	.750	.750	.750	2.103	1.823	2.103	1.823	1.598	1.150	1.150
161612	1.000	1.000	.750	2.618	2.238	2.618	2.238	1.760	1.474	1.474
161616	1.000	1.000	1.000	2.618	2.238	2.618	2.238	1.864	1.474	1.474
202020	1.250	1.250	1.250	3.069	2.654	3.069	2.654	2.093	1.768	1.768

TABLE 1B - DIMENSIONS F THROUGH JA

BASIC NO. AS6158 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	ØF MIN	ØFA MIN	G ±.015	(H)	J /13/ TUBE DEDUCTION	JA /13/ TUBE DEDUCTION
040404	.250	.250	.250	.253	.253	.438	.562	.419 +.150/-.180	.419 +.150/-.180
050505	.3125	.3125	.3125	.3155	.3155	.465	.625	.435 +.150/-.180	.435 +.150/-.180
060606	.375	.375	.375	.378	.378	.563	.688	.492 +.150/-.195	.492 +.150/-.195
080808	.500	.500	.500	.503	.503	.750	.875	.590 +.150/-.210	.590 +.150/-.210
101010	.625	.625	.625	.629	.629	.875	1.000	.663 +.150/-.200	.663 +.150/-.200
121212	.750	.750	.750	.754	.754	1.063	1.250	.783 +.150/-.245	.783 +.150/-.245
161612	1.000	1.000	.750	1.004	1.004	1.304	1.250	.928 +.150/-.330	.928 +.150/-.330
161616	1.000	1.000	1.000	1.004	1.004	1.304	1.500	.928 +.150/-.330	.928 +.150/-.330
202020	1.250	1.250	1.250	1.255	1.255	1.618	1.812	1.104 +.150/-.375	1.104 +.150/-.375

TABLE 1C - DIMENSIONS K THROUGH W1A

BASIC NO. AS6158 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	K MAX	ØN GAGE	(T) THREAD PER AS8879	W MIN	WA MIN	W1 MAX	W1A MAX
040404	.250	.250	.250	.248	.2930	.4375-20 UNJF-3B	.185	.185	.604	.604
050505	.3125	.3125	.3125	.331	.3500	.5000-20 UNJF-3B	.180	.180	.724	.724
060606	.375	.375	.375	.302	.4120	.5625-18 UNJF-3B	.195	.195	.883	.883
080808	.500	.500	.500	.316	.5600	.7500-16 UNJF-3B	.210	.210	1.076	1.076
101010	.625	.625	.625	.424	.6730	.8750-14 UNJF-3B	.225	.225	1.076	1.076
121212	.750	.750	.750	.388	.8100	1.0625-12 UNJ-3B	.235	.235	1.201	1.201
161612	1.000	1.000	.750	.388	.8100	1.0625-12 UNJ-3B	.260	.260	1.566	1.566
161616	1.000	1.000	1.000	.454	1.0620	1.3125-12 UNJ-3B	.260	.260	1.566	1.566
202020	1.250	1.250	1.250	.465	1.3160	1.6250-12 UNJ-3B	.285	.285	1.829	1.829



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