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REV.
B

AS6159™

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 UPDATE OUTDATED SPECIFICATION CALLOUT TO CURRENT SPECIFICATION.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. DISPOSITION OF INVENTORIED PARTS MANUFACTURED TO PREVIOUS REVISION NOTE 18 ADDED.

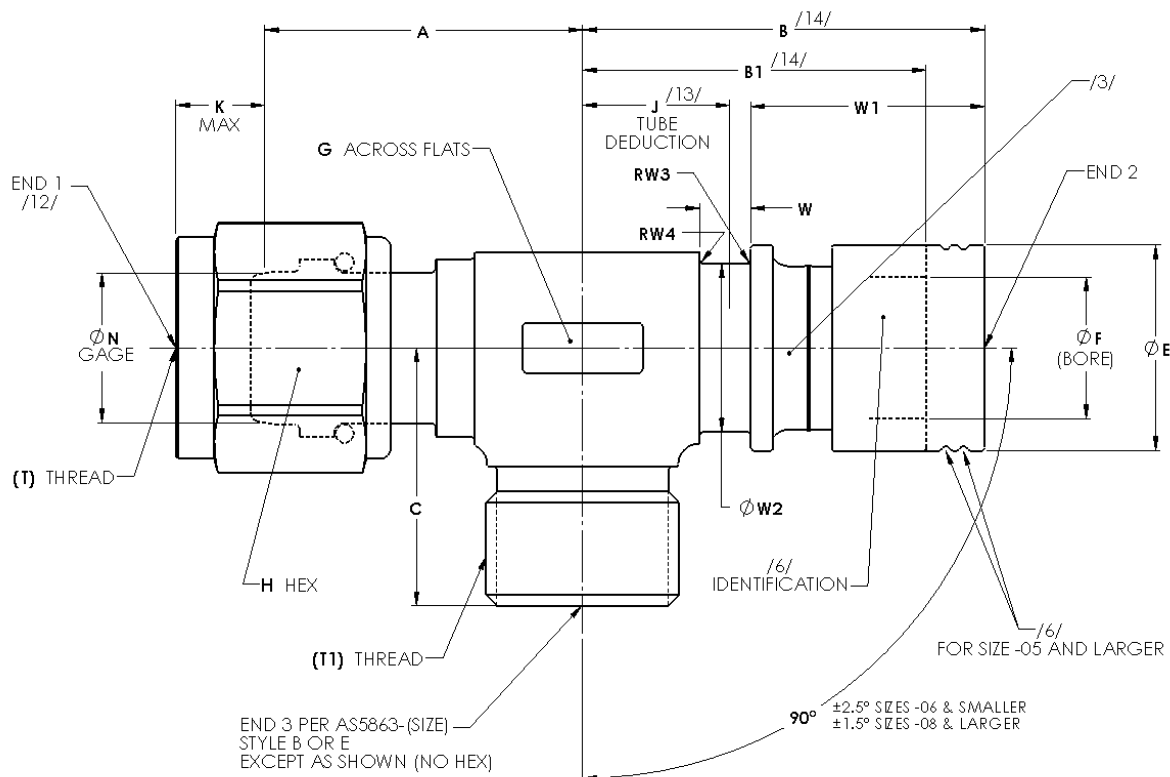
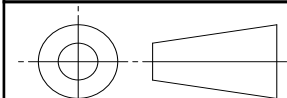


FIGURE 1 - TEE, AXIALLY SWAGED TO FEMALE FLARELESS ON THE RUN, MALE FLARELESS ON THE SIDE

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6159B/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS6116 /4/



AEROSPACE STANDARD

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

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Documents

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TABLE 1A - DIMENSIONS A THROUGH F

BASIC NO. AS6159 /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 ±.015	ØE MAX	ØF MIN
040404	.250	.250	.250	.874	1.112	.959	.767	.435	.253
050505	.3125	.3125	.3125	.949	1.258	1.110	.786	.503	.3155
060606	.375	.375	.375	1.047	1.464	1.237	.846	.580	.378
080808	.500	.500	.500	1.230	1.765	1.505	1.032	.755	.503
101010	.625	.625	.625	1.434	1.843	1.603	1.158	.929	.629
121212	.750	.750	.750	1.598	2.103	1.823	1.346	1.150	.754
121612	.750	1.000	.750	1.760	2.618	2.238	1.449	1.474	1.004
161616	1.000	1.000	1.000	1.864	2.618	2.238	1.505	1.474	1.004
202020	1.250	1.250	1.250	2.093	3.069	2.654	1.627	1.768	1.255
242424	1.500	1.500	1.500	2.437	3.600	3.105	1.747	2.070	1.505

TABLE 1B - DIMENSIONS G THROUGH J

BASIC NO. AS6159 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	G ±.015	(H)	J /13/ TUBE DEDUCTION
040404	.250	.250	.250	.438	.562	.419 +.150/-.180
050505	.3125	.3125	.3125	.465	.625	.435 +.150/-.180
060606	.375	.375	.375	.563	.688	.492 +.150/-.195
080808	.500	.500	.500	.750	.875	.590 +.150/-.210
101010	.625	.625	.625	.875	1.000	.663 +.150/-.200
121212	.750	.750	.750	1.063	1.250	.783 +.150/-.245
121612	.750	1.000	.750	1.304	1.250	.928 +.150/-.330
161616	1.000	1.000	1.000	1.304	1.500	.928 +.150/-.330
202020	1.250	1.250	1.250	1.618	1.812	1.104 +.150/-.375
242424	1.500	1.500	1.500	1.806	2.125	1.275 +.150/-.425

TABLE 1C - DIMENSIONS K THROUGH T1

BASIC NO. AS6159 /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	(T1) THREAD PER AS8879
040404	.250	.250	.250	.248	.2930	.4375-20 UNJF-3B	.4375-20 UNJF-3A
050505	.3125	.3125	.3125	.331	.3500	.5000-20 UNJF-3B	.5000-20 UNJF-3A
060606	.375	.375	.375	.302	.4120	.5625-18 UNJF-3B	.5625-18 UNJF-3A
080808	.500	.500	.500	.316	.5600	.7500-16 UNJF-3B	.7500-16 UNJF-3A
101010	.625	.625	.625	.424	.6730	.8750-14 UNJF-3B	.8750-14 UNJF-3A
121212	.750	.750	.750	.388	.8100	1.0625-12 UNJ-3B	1.0625-12 UNJ-3A
121612	.750	1.000	.750	.388	.8100	1.0625-12 UNJ-3B	1.0625-12 UNJ-3A
161616	1.000	1.000	1.000	.454	1.0620	1.3125-12 UNJ-3B	1.3125-12 UNJ-3A
202020	1.250	1.250	1.250	.465	1.3160	1.6250-12 UNJ-3B	1.6250-12 UNJ-3A
242424	1.500	1.500	1.500	.460	1.5650	1.8750-12 UNJ-3B	1.8750-12 UNJ-3A



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