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AS6489™

FEDERAL SUPPLY CLASS
4730

RATIONALE

NEW STANDARD FOR OPERATING PRESSURES UP TO AND INCLUDING 3000 PSI.

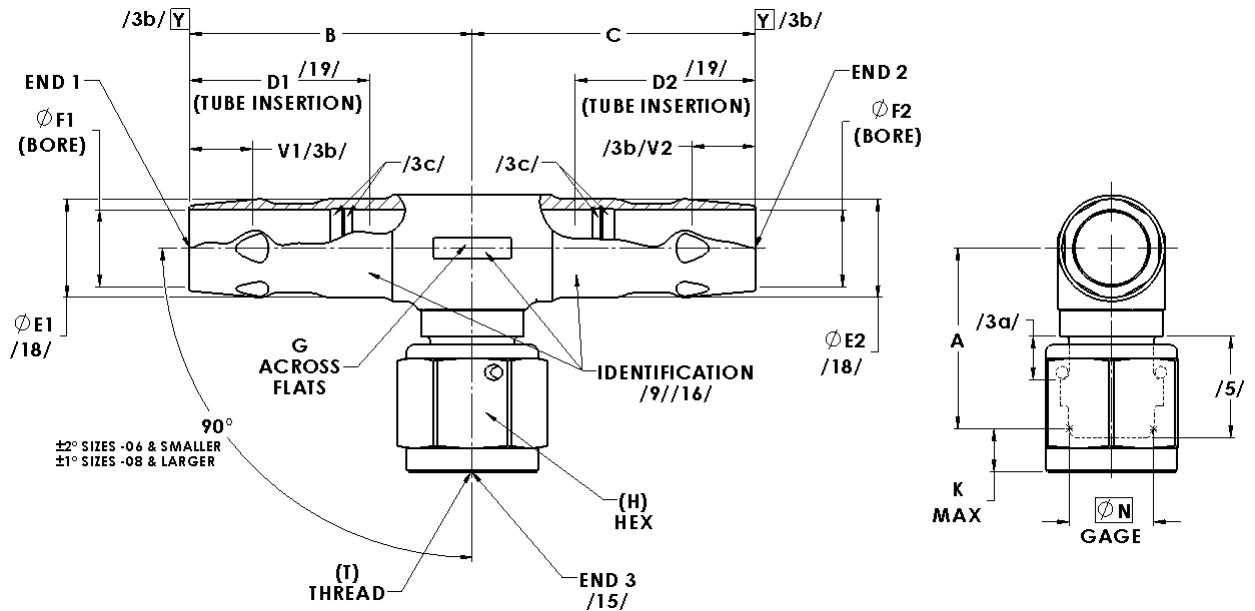
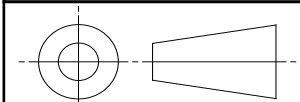


FIGURE 1 - TEE ADAPTER ASSEMBLY, EXTERNAL SWAGE ON RUN, SWIVEL NUT ON BRANCH

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4459 /6/



AEROSPACE STANDARD

FITTING ASSEMBLY, TEE, EXTERNAL SWAGE ON
RUN, FEMALE FLARELESS ON BRANCH, HYDRAULIC

AS6489™
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TABLE 1

TABLE 1A - DIMENSIONS A THROUGH D2

BASIC NO. AS6489 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A ±.015	B	C	(D1) /19/	(D2) /19/
040404	.250	.250	.250	.877	1.142-1.172	1.142-1.172	.615	.615
040406	.250	.250	.375	1.268	1.265-1.295	1.265-1.295	.615	.615
060406	.375	.250	.375	1.268	1.336-1.366	1.265-1.295	.690	.615
060408	.375	.250	.500	1.280	1.527-1.557	1.300-1.330	.690	.615
060604	.375	.375	.250	1.006	1.336-1.366	1.336-1.366	.690	.690
060606	.375	.375	.375	1.035	1.283-1.313	1.283-1.313	.690	.690
060608	.375	.375	.500	1.280	1.527-1.557	1.527-1.557	.690	.690
061610	.375	1.000	.625	1.610	1.602-1.632	2.344-2.374	.690	1.448
080408	.500	.250	.500	1.280	1.860-1.890	1.300-1.330	1.193	.615
080606	.500	.375	.375	1.169	1.860-1.890	1.527-1.557	1.193	.690
080608	.500	.375	.500	1.280	1.860-1.890	1.527-1.557	1.193	.690
080804	.500	.500	.250	1.006	1.860-1.890	1.860-1.890	1.193	1.193
080805	.500	.500	.3125	1.120	1.860-1.890	1.860-1.890	1.193	1.193
080806	.500	.500	.375	1.169	1.860-1.890	1.860-1.890	1.193	1.193
080808	.500	.500	.500	1.191	1.859-1.889	1.859-1.889	1.193	1.193
100608	.625	.375	.500	1.335	1.963-1.993	1.527-1.557	1.233	.690
100610	.625	.375	.625	1.341	2.275-2.305	1.527-1.557	1.233	.690
101004	.625	.625	.250	1.086	1.781-1.811	1.781-1.811	1.233	1.233
101010	.625	.625	.625	1.326	1.968-1.998	1.968-1.998	1.233	1.233
120412	.750	.250	.750	1.546	2.122-2.152	1.526-1.556	1.303	.615
120808	.750	.500	.500	1.469	2.078-2.108	1.893-1.923	1.303	1.193
120810	.750	.500	.625	1.610	2.078-2.108	1.893-1.923	1.303	1.193
121012	.750	.625	.750	1.546	2.122-2.152	2.079-2.109	1.303	1.233
121204	.750	.750	.250	1.174	2.078-2.108	2.078-2.108	1.303	1.303
121206	.750	.750	.375	1.346	2.078-2.108	2.078-2.108	1.303	1.303
121212	.750	.750	.750	1.531	2.078-2.108	2.078-2.108	1.303	1.303
121216	.750	.750	1.000	1.731	2.402-2.432	2.402-2.432	1.303	1.303
160616	1.000	.375	1.000	1.731	2.750-2.780	2.250-2.280	1.448	.690
160816	1.000	.500	1.000	1.731	2.750-2.780	2.258-2.288	1.448	1.193
161016	1.000	.625	1.000	1.731	2.750-2.780	2.355-2.385	1.448	1.233
161216	1.000	.750	1.000	1.731	2.750-2.780	2.402-2.432	1.448	1.303
161604	1.000	1.000	.250	1.371	2.344-2.374	2.344-2.374	1.448	1.448
161610	1.000	1.000	.625	1.610	2.344-2.374	2.344-2.374	1.448	1.448
161612	1.000	1.000	.750	1.655	2.400-2.430	2.400-2.430	1.448	1.448
161616	1.000	1.000	1.000	1.716	2.344-2.374	2.344-2.374	1.448	1.448
202004	1.250	1.250	.250	1.527	2.684-2.714	2.684-2.714	1.550	1.550



AEROSPACE STANDARD

 FITTING ASSEMBLY, TEE, EXTERNAL SWAGE ON
 RUN, FEMALE FLARELESS ON BRANCH, HYDRAULIC

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TABLE 1B - DIMENSIONS E1 THROUGH H

BASIC NO. AS6489 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	E1 +.000 -.003 /18/	E2 +.000 -.003 /18/	F1 /3b/	F2 /3b/	G	(H)
040404	.250	.250	.250	.338	.338	.257- .260	.257- .260	.375- .405	.563
040406	.250	.250	.375	.338	.338	.257- .260	.257- .260	.530- .560	.688
060406	.375	.250	.375	.480	.338	.382- .385	.257- .260	.530- .560	.688
060408	.375	.250	.500	.480	.338	.382- .385	.257- .260	.690- .720	.875
060604	.375	.375	.250	.480	.480	.382- .385	.382- .385	.530- .560	.562
060606	.375	.375	.375	.480	.480	.382- .385	.382- .385	.530- .560	.688
060608	.375	.375	.500	.480	.480	.382- .385	.382- .385	.690- .720	.875
061610	.375	1.000	.625	.480	1.257	.382- .385	1.008-1.011	1.365-1.395	1.000
080408	.500	.250	.500	.655	.338	.508- .511	.257- .260	.690- .720	.875
080606	.500	.375	.375	.655	.480	.508- .511	.382- .385	.690- .720	.688
080608	.500	.375	.500	.655	.480	.508- .511	.382- .385	.690- .720	.875
080804	.500	.500	.250	.655	.655	.508- .511	.508- .511	.690- .720	.562
080805	.500	.500	.3125	.655	.655	.508- .511	.508- .511	.690- .720	.625
080806	.500	.500	.375	.655	.655	.508- .511	.508- .511	.690- .720	.688
080808	.500	.500	.500	.655	.655	.508- .511	.508- .511	.690- .720	.875
100608	.625	.375	.500	.787	.480	.633- .636	.382- .385	.846- .876	.875
100610	.625	.375	.625	.787	.480	.633- .636	.382- .385	.846- .876	1.000
101004	.625	.625	.250	.787	.787	.633- .636	.633- .636	.846- .876	.562
101010	.625	.625	.625	.787	.787	.633- .636	.633- .636	.846- .876	1.000
120412	.750	.250	.750	.929	.338	.758- .761	.257- .260	1.021-1.051	1.250
120808	.750	.500	.500	.929	.655	.758- .761	.508- .511	1.021-1.051	.875
120810	.750	.500	.625	.929	.655	.758- .761	.508- .511	1.021-1.051	1.000
121012	.750	.625	.750	.929	.787	.758- .761	.633- .636	1.021-1.051	1.250
121204	.750	.750	.250	.929	.929	.758- .761	.758- .761	1.021-1.051	.562
121206	.750	.750	.375	.929	.929	.758- .761	.758- .761	1.021-1.051	.688
121212	.750	.750	.750	.929	.929	.758- .761	.758- .761	1.021-1.051	1.250
121216	.750	.750	1.000	.929	.929	.758- .761	.758- .761	1.365-1.395	1.500
160616	1.000	.375	1.000	1.257	.480	1.008-1.011	.382- .385	1.365-1.395	1.500
160816	1.000	.500	1.000	1.257	.655	1.008-1.011	.508- .511	1.365-1.395	1.500
161016	1.000	.625	1.000	1.257	.787	1.008-1.011	.633- .636	1.365-1.395	1.500
161216	1.000	.750	1.000	1.257	.929	1.008-1.011	.758- .761	1.365-1.395	1.500
161604	1.000	1.000	.250	1.257	1.257	1.008-1.011	1.008-1.011	1.365-1.395	.562
161610	1.000	1.000	.625	1.257	1.257	1.008-1.011	1.008-1.011	1.365-1.395	1.000
161612	1.000	1.000	.750	1.257	1.257	1.008-1.011	1.008-1.011	1.365-1.395	1.250
161616	1.000	1.000	1.000	1.257	1.257	1.008-1.011	1.008-1.011	1.365-1.395	1.500
202004	1.250	1.250	.250	1.489	1.489	1.258-1.262	1.258-1.262	1.677-1.707	.562