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REV.
D

AS6121™

FEDERAL SUPPLY CLASS
4730

RATIONALE

ADDED REDUCER CONFIGURATIONS 161206 AND 201610.

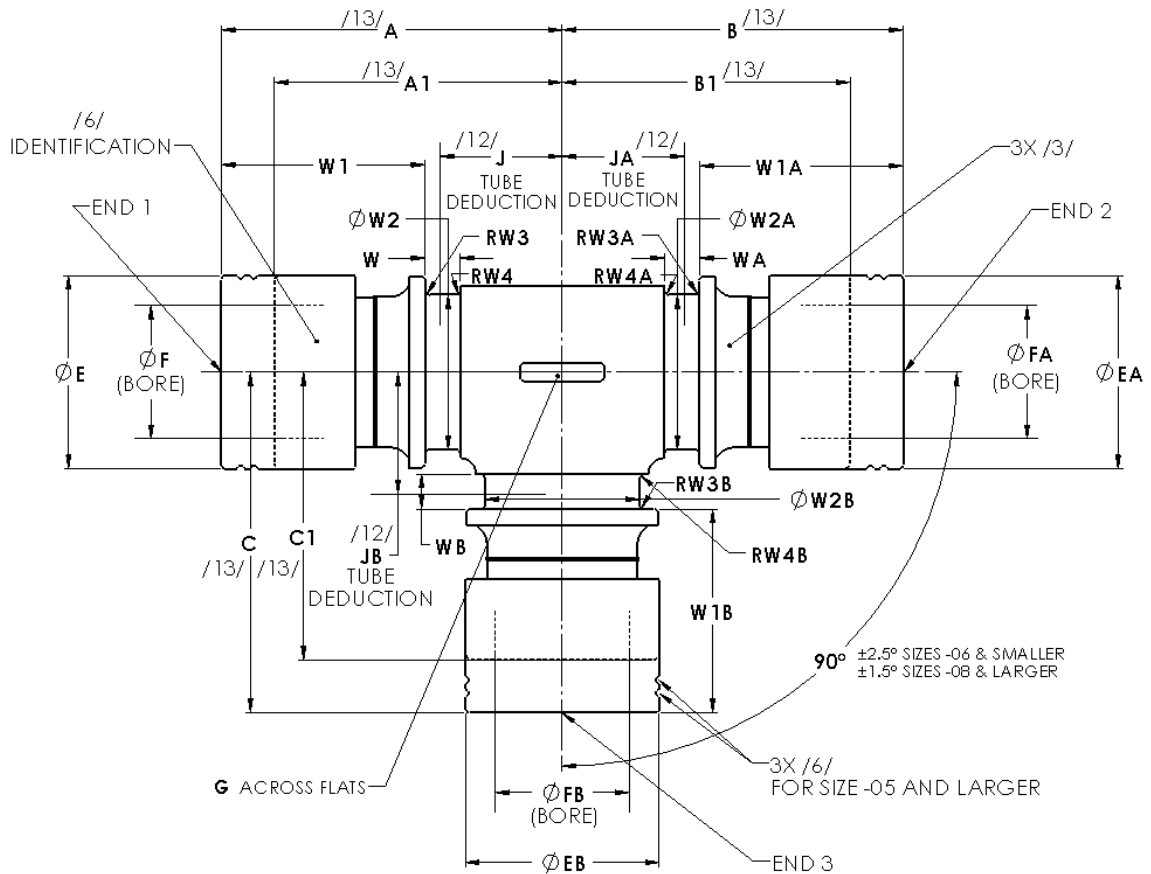
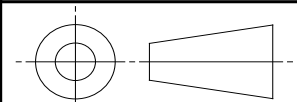


FIGURE 1 - FITTING ASSEMBLY, TEE

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS6121D>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS6116, SEE NOTE /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, TEE,
AXIALLY SWAGED,
HYDRAULIC, UP TO 1500 PSI

AS6121™
SHEET 1 OF 5

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TABLE 1A - DIMENSIONS A THROUGH C1

BASIC NO. AS6121 /15/ 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 MAX	C1 MAX
040404	.250	.250	.250	1.078	.925	1.078	.925	1.078	.925
050505	.3125	.3125	.3125	1.333	1.185	1.333	1.185	1.333	1.185
060404	.375	.250	.250	1.427	1.200	1.143	.985	1.143	.985
060606	.375	.375	.375	1.427	1.200	1.427	1.200	1.427	1.200
080606	.500	.375	.375	1.725	1.465	1.517	1.290	1.517	1.290
080808	.500	.500	.500	1.725	1.465	1.725	1.465	1.725	1.465
100808	.625	.500	.500	1.805	1.565	1.790	1.530	1.790	1.530
101008	.625	.625	.500	1.805	1.565	1.805	1.565	1.790	1.530
101010	.625	.625	.625	1.805	1.565	1.805	1.565	1.805	1.565
121008	.750	.625	.500	2.050	1.770	1.915	1.675	1.900	1.640
121010	.750	.625	.625	2.050	1.770	1.915	1.675	1.915	1.675
121210	.750	.750	.625	2.050	1.770	2.050	1.770	1.915	1.675
121212	.750	.750	.750	2.050	1.770	2.050	1.770	2.050	1.770
121216	.750	.750	1.000	2.212	1.932	2.212	1.932	2.615	2.235
161008	1.000	.625	.500	2.615	2.235	2.077	1.837	2.062	1.802
161206	1.000	.750	.375	2.615	2.235	2.212	1.932	1.854	1.627
161208	1.000	.750	.500	2.615	2.235	2.212	1.932	2.062	1.802
161210	1.000	.750	.625	2.615	2.235	2.212	1.932	2.077	1.827
161212	1.000	.750	.750	2.615	2.235	2.212	1.932	2.212	1.932
161216	1.000	.750	1.000	2.615	2.235	2.212	1.932	2.615	2.235
161612	1.000	1.000	.750	2.615	2.235	2.615	2.235	2.212	1.932
161616	1.000	1.000	1.000	2.615	2.235	2.615	2.235	2.615	2.235
201610	1.250	1.000	.625	3.060	2.645	2.749	2.369	2.224	1.984
201616	1.250	1.000	1.000	3.060	2.645	2.749	2.369	2.749	2.369
202008	1.250	1.250	.500	3.060	2.645	3.060	2.645	2.209	1.949
202010	1.250	1.250	.625	3.060	2.645	3.060	2.645	2.224	1.984
202012	1.250	1.250	.750	3.060	2.645	3.060	2.645	2.359	2.079
202016	1.250	1.250	1.000	3.060	2.645	3.060	2.645	2.749	2.369
202020	1.250	1.250	1.250	3.060	2.645	3.060	2.645	3.060	2.645
242010	1.500	1.250	.625	3.600	3.105	3.188	2.773	2.375	2.125
242024	1.500	1.250	1.500	3.600	3.105	3.188	2.773	3.600	3.105
242424	1.500	1.500	1.500	3.600	3.105	3.600	3.105	3.600	3.105

TABLE 1B - DIMENSIONS E THROUGH G

BASIC NO. AS6121 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	ØE MAX	ØEA MAX	ØEB MAX	ØF MIN	ØFA MIN	ØFB MIN	G ±.015
040404	.250	.250	.250	.435	.435	.435	.253	.253	.253	.438
050505	.3125	.3125	.3125	.503	.503	.503	.3155	.3155	.3155	.465
060404	.375	.250	.250	.580	.435	.435	.378	.253	.253	.563
060606	.375	.375	.375	.580	.580	.580	.378	.378	.378	.563
080606	.500	.375	.375	.755	.580	.580	.503	.378	.378	.750
080808	.500	.500	.500	.755	.755	.755	.503	.503	.503	.750
100808	.625	.500	.500	.929	.755	.755	.629	.503	.503	.875
101008	.625	.625	.500	.929	.929	.755	.629	.629	.503	.875
101010	.625	.625	.625	.929	.929	.929	.629	.629	.629	.875
121008	.750	.625	.500	1.150	.929	.755	.754	.629	.503	1.063
121010	.750	.625	.625	1.150	.929	.929	.754	.629	.629	1.063
121210	.750	.750	.625	1.150	1.150	.929	.754	.754	.629	1.063
121212	.750	.750	.750	1.150	1.150	1.150	.754	.754	.754	1.063
121216	.750	.750	1.000	1.150	1.150	1.474	.754	.754	1.004	1.304
161008	1.000	.625	.500	1.474	.929	.755	1.004	.629	.503	1.304
161206	1.000	.750	.375	1.474	1.150	.580	1.004	.754	.378	1.304
161208	1.000	.750	.500	1.474	1.150	.755	1.004	.754	.503	1.304
161210	1.000	.750	.625	1.474	1.150	.929	1.004	.754	.629	1.304
161212	1.000	.750	.750	1.474	1.150	1.150	1.004	.754	.754	1.304
161216	1.000	.750	1.000	1.474	1.150	1.474	1.004	.754	1.004	1.304
161612	1.000	1.000	.750	1.474	1.474	1.150	1.004	1.004	.754	1.304
161616	1.000	1.000	1.000	1.474	1.474	1.474	1.004	1.004	1.004	1.304
201610	1.250	1.000	.625	1.768	1.474	.929	1.255	1.004	.629	1.618
201616	1.250	1.000	1.000	1.768	1.474	1.474	1.255	1.004	1.004	1.618
202008	1.250	1.250	.500	1.768	1.768	.755	1.255	1.255	.503	1.618
202010	1.250	1.250	.625	1.768	1.768	.929	1.255	1.255	.629	1.618
202012	1.250	1.250	.750	1.768	1.768	1.150	1.255	1.255	.754	1.618
202016	1.250	1.250	1.000	1.768	1.768	1.474	1.255	1.255	1.004	1.618
202020	1.250	1.250	1.250	1.768	1.768	1.768	1.255	1.255	1.255	1.618
242010	1.500	1.250	.625	2.070	1.768	.929	1.505	1.255	.629	1.806
242024	1.500	1.250	1.500	2.070	1.768	2.070	1.505	1.255	1.505	1.806
242424	1.500	1.500	1.500	2.070	2.070	2.070	1.505	1.505	1.505	1.806



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