

AS6470™

RATIONALE

FEDERAL SUPPLY CLASS
4730

NEW STANDARD FOR OPERATING PRESSURES UP TO AND INCLUDING 3000 PSI CORRECTED PER DR1 BALLOT COMMENTS.

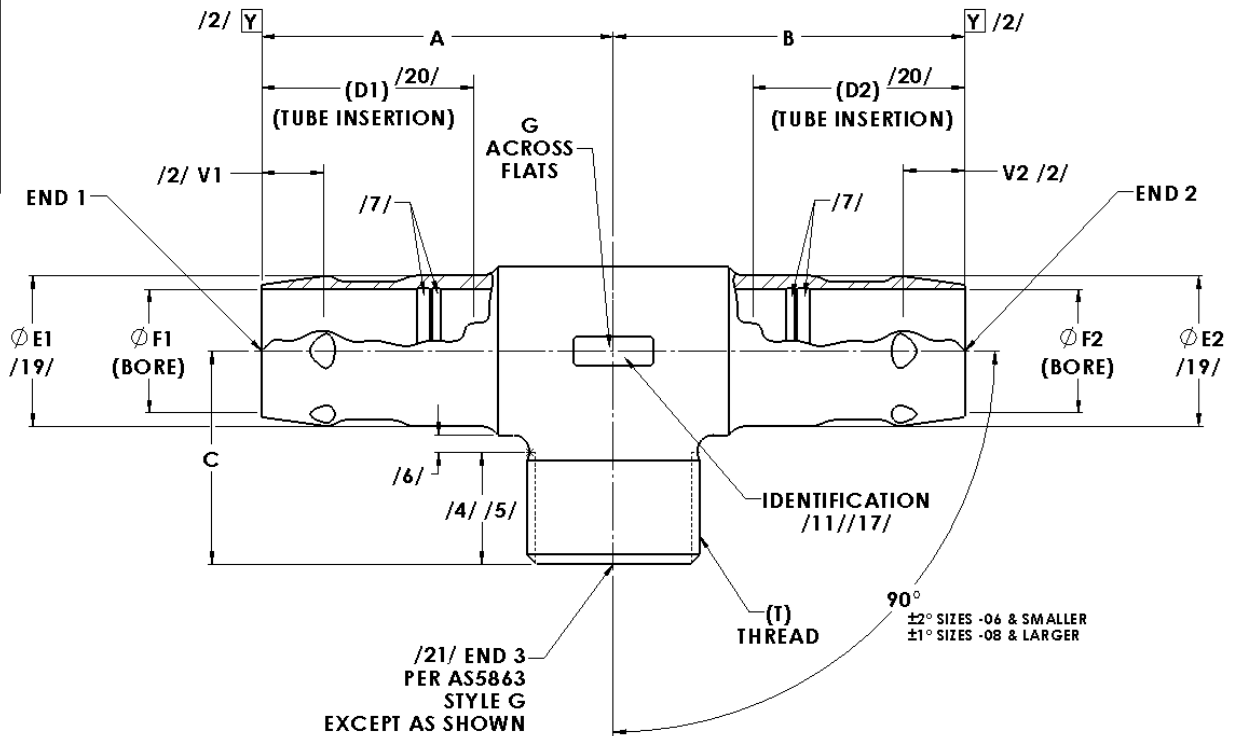


FIGURE 1 - TEE, EXTERNAL SWAGE ON RUN, MALE FLARELESS ON SIDE

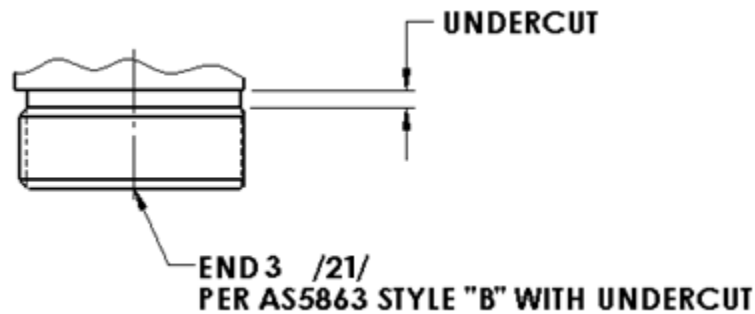
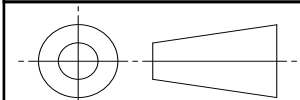


FIGURE 2 - FITTING END 3, SAME AS FIGURE 1 END 3, STYLE "B" SHOWN

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6470/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS4459 /8/



AEROSPACE STANDARD

TEE, STANDARD REDUCER, EXTERNAL SWAGE ON
RUN, MALE FLARELESS ON SIDE, HYDRAULIC

AS6470™
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TABLE 1A - DIMENSIONS A THROUGH D2

BASIC NO. AS6470 /17/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A	B	C ±.015	(D1) /20/ /20/	(D2) /20/ /20/
030303	.1875	.1875	.1875	.938-.968	.938-.968	.836	.473	.473
030304	.1875	.1875	.250	.891-.921	.891-.921	.968	.473	.473
030305	.1875	.1875	.3125	.929-.959	.929-.959	.999	.473	.473
040403	.250	.250	.1875	1.050-1.080	1.050-1.080	.882	.615	.615
040404	.250	.250	.250	1.130-1.160	1.130-1.160	.899	.615	.615
040405	.250	.250	.3125	1.088-1.118	1.088-1.118	.999	.615	.615
040406	.250	.250	.375	1.121-1.151	1.121-1.151	1.062	.615	.615
040416	.250	.250	1.000	1.560-1.590	1.560-1.590	1.757	.615	.615
050405	.3125	.250	.3125	1.183-1.213	1.151-1.181	.999	.655	.615
050504	.3125	.3125	.250	1.120-1.150	1.120-1.150	.976	.655	.655
050505	.3125	.3125	.3125	1.250-1.280	1.250-1.280	.930	.655	.655
060404	.375	.250	.250	1.190-1.220	1.121-1.151	1.054	.690	.615
060406	.375	.250	.375	1.190-1.220	1.121-1.151	1.062	.690	.615
060408	.375	.250	.500	1.323-1.353	1.260-1.290	1.249	.690	.615
060505	.375	.3125	.3125	1.190-1.220	1.153-1.183	1.054	.690	.655
060506	.375	.3125	.375	1.190-1.220	1.153-1.183	1.054	.690	.655
060603	.375	.375	.1875	1.190-1.220	1.190-1.220	1.023	.690	.690
060604	.375	.375	.250	1.190-1.220	1.190-1.220	1.054	.690	.690
060605	.375	.375	.3125	1.190-1.220	1.190-1.220	1.054	.690	.690
060606	.375	.375	.375	1.290-1.320	1.290-1.320	1.055	.690	.690
060608	.375	.375	.500	1.278-1.308	1.278-1.308	1.249	.690	.690
060610	.375	.375	.625	1.442-1.472	1.442-1.472	1.406	.690	.690
080406	.500	.250	.375	1.755-1.785	1.209-1.239	1.195	1.193	.615
080408	.500	.250	.500	1.755-1.785	1.209-1.239	1.249	1.193	.615
080508	.500	.3125	.500	1.755-1.785	1.241-1.271	1.249	1.193	.655
080505	.500	.3125	.3125	1.755-1.785	1.241-1.271	1.179	1.193	.655
080605	.500	.375	.3125	1.755-1.785	1.278-1.308	1.179	1.193	.690
080606	.500	.375	.375	1.755-1.785	1.278-1.308	1.195	1.193	.690
080608	.500	.375	.500	1.755-1.785	1.278-1.308	1.249	1.193	.690
080804	.500	.500	.250	1.755-1.785	1.755-1.785	1.179	1.193	1.193
080805	.500	.500	.3125	1.755-1.785	1.755-1.785	1.179	1.193	1.193
080806	.500	.500	.375	1.755-1.785	1.755-1.785	1.195	1.193	1.193
080808	.500	.500	.500	1.820-1.850	1.820-1.850	1.071	1.193	1.193
080810	.500	.500	.625	1.821-1.851	1.821-1.851	1.406	1.193	1.193
100606	.625	.375	.375	1.860-1.890	1.344-1.374	1.289	1.233	.690
100806	.625	.500	.375	1.860-1.890	1.821-1.851	1.289	1.233	1.193
100808	.625	.500	.500	1.860-1.890	1.821-1.851	1.382	1.233	1.193
100810	.625	.500	.625	1.860-1.890	1.821-1.851	1.406	1.233	1.193
101004	.625	.625	.250	1.860-1.890	1.860-1.890	1.273	1.233	1.233
101006	.625	.625	.375	1.860-1.890	1.860-1.890	1.289	1.233	1.233
101008	.625	.625	.500	1.860-1.890	1.860-1.890	1.382	1.233	1.233
101010	.625	.625	.625	1.940-1.970	1.940-1.970	1.180	1.233	1.233
101012	.625	.625	.750	1.932-1.962	1.932-1.962	1.578	1.233	1.233
120608	.750	.375	.500	1.990-2.020	1.416-1.446	1.475	1.303	.690
120806	.750	.500	.375	1.990-2.020	1.893-1.923	1.382	1.303	1.193
120808	.750	.500	.500	1.990-2.020	1.893-1.923	1.475	1.303	1.193
120810	.750	.500	.625	1.990-2.020	1.893-1.923	1.538	1.303	1.193
120812	.750	.500	.750	1.990-2.020	1.893-1.923	1.578	1.303	1.193
121006	.750	.625	.375	1.990-2.020	1.932-1.962	1.382	1.303	1.233
121008	.750	.625	.500	1.990-2.020	1.932-1.962	1.475	1.303	1.233
121010	.750	.625	.625	1.990-2.020	1.932-1.962	1.538	1.303	1.233
121012	.750	.625	.750	1.990-2.020	1.932-1.962	1.578	1.303	1.233
121016	.750	.625	1.000	2.157-2.187	2.206-2.236	1.757	1.303	1.233
121204	.750	.750	.250	1.990-2.020	1.990-2.020	1.366	1.303	1.303
121205	.750	.750	.3125	1.990-2.020	1.990-2.020	1.366	1.303	1.303
121206	.750	.750	.375	1.990-2.020	1.990-2.020	1.431	1.303	1.303
121208	.750	.750	.500	1.990-2.020	1.990-2.020	1.475	1.303	1.303
121210	.750	.750	.625	1.990-2.020	1.990-2.020	1.538	1.303	1.303
121212	.750	.750	.750	2.160-2.190	2.160-2.190	1.336	1.303	1.303
121216	.750	.750	1.000	2.157-2.187	2.157-2.187	1.757	1.303	1.303



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TABLE 1A - DIMENSIONS A THROUGH D2 (CONTINUED)

BASIC NO. AS6470 /17/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A	B	C ±.015	(D1) /20/	(D2) /20/
160412	1.000	.250	.750	2.344-2.374	1.510-1.540	1.757	1.448	.615
160612	1.000	.375	.750	2.344-2.374	1.579-1.609	1.757	1.448	.690
160616	1.000	.375	1.000	2.388-2.418	1.633-1.663	1.757	1.448	.690
160816	1.000	.500	1.000	2.344-2.374	2.056-2.086	1.757	1.448	1.193
161010	1.000	.625	.625	2.344-2.374	2.095-2.125	1.694	1.448	1.233
161016	1.000	.625	1.000	2.498-2.528	2.206-2.236	1.757	1.448	1.233
161020	1.000	.625	1.250	2.624-2.654	2.333-2.363	1.878	1.448	1.233
161206	1.000	.750	.375	2.344-2.374	2.157-2.187	1.538	1.448	1.303
161208	1.000	.750	.500	2.344-2.374	2.157-2.187	1.631	1.448	1.303
161210	1.000	.750	.625	2.344-2.374	2.157-2.187	1.712	1.448	1.303
161216	1.000	.750	1.000	2.344-2.374	2.157-2.187	1.757	1.448	1.303
161604	1.000	1.000	.250	2.344-2.374	2.344-2.374	1.697	1.448	1.448
161605	1.000	1.000	.3125	2.344-2.374	2.344-2.374	1.522	1.448	1.448
161606	1.000	1.000	.375	2.344-2.374	2.344-2.374	1.538	1.448	1.448
161608	1.000	1.000	.500	2.344-2.374	2.344-2.374	1.631	1.448	1.448
161610	1.000	1.000	.625	2.344-2.374	2.344-2.374	1.712	1.448	1.448
161612	1.000	1.000	.750	2.344-2.374	2.344-2.374	1.757	1.448	1.448
161616	1.000	1.000	1.000	2.406-2.436	2.406-2.436	1.464	1.448	1.448
161620	1.000	1.000	1.250	2.624-2.654	2.624-2.654	1.878	1.448	1.448
201216	1.250	.750	1.000	2.684-2.714	2.375-2.405	1.913	1.550	1.303
201616	1.250	1.000	1.000	2.684-2.714	2.624-2.654	1.913	1.550	1.448
201620	1.250	1.000	1.250	2.684-2.714	2.624-2.654	1.878	1.550	1.448
201624	1.250	1.000	1.500	2.765-2.795	2.705-2.735	2.015	1.550	1.448
202008	1.250	1.250	.500	2.684-2.714	2.684-2.714	1.433	1.550	1.550
202010	1.250	1.250	.625	2.684-2.714	2.684-2.714	1.471	1.550	1.550
202012	1.250	1.250	.750	2.684-2.714	2.684-2.714	2.445	1.550	1.550
202016	1.250	1.250	1.000	2.684-2.714	2.684-2.714	1.913	1.550	1.550
202020	1.250	1.250	1.250	2.624-2.654	2.624-2.654	1.758	1.550	1.550
242410	1.500	1.500	.625	2.765-2.795	2.765-2.795	1.780	1.675	1.675
242412	1.500	1.500	.750	2.765-2.795	2.765-2.795	1.815	1.675	1.675
242416	1.500	1.500	1.000	2.765-2.795	2.765-2.795	2.007	1.675	1.675
242420	1.500	1.500	1.250	2.765-2.795	2.765-2.795	1.835	1.675	1.675
242424	1.500	1.500	1.500	2.747-2.777	2.747-2.777	2.024	1.675	1.675



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