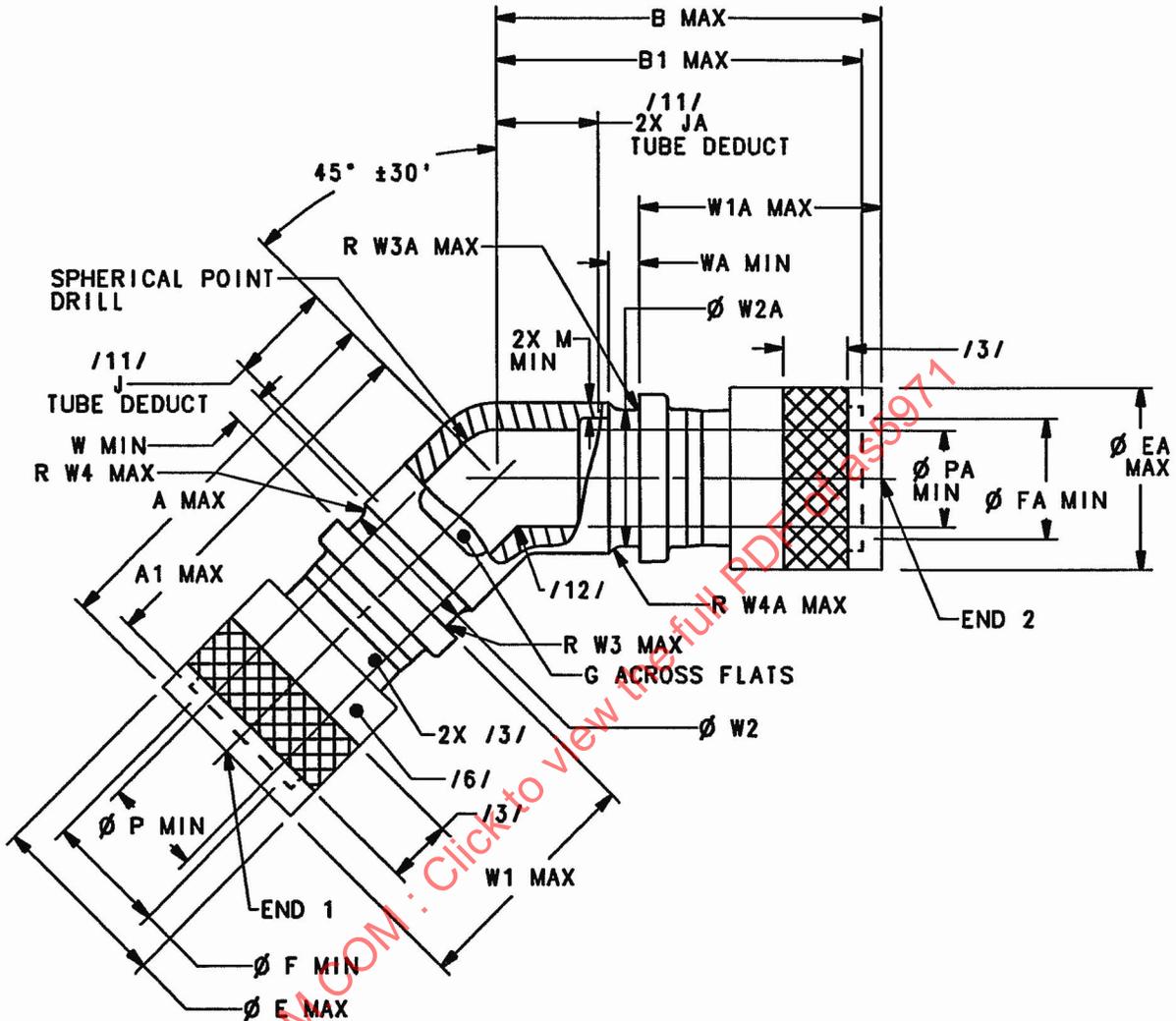


RATIONALE

THIS STANDARD WAS PREPARED TO PROVIDE AN ENVELOPE REQUIREMENTS FOR AN AXIALLY SWAGED, FIELD ATTACHABLE, 5000 PSI, TUBE FITTING.

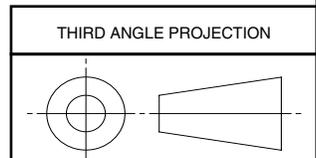
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(SEE TABLE 1A, 1B AND 1C FOR DIMENSIONAL INFORMATION)

FIGURE 1 - ELBOW, 45°, SWAGE



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958

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**AEROSPACE STANDARD**

FITTING ASSEMBLY, ELBOW, 45°,  
AXIALLY SWAGED,  
HYDRAULIC, 5080 PSI

**AS5971**  
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TABLE 1A - DIMENSIONS A THROUGH G

BASIC NO. AS5971 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A	A1	B	B1	E	EA	F	FA	G
0404	.2500	.2500	.934	.847	.934	.847	.466	.466	.253	.253	.380/.348
0604	.3750	.2500	1.230	1.114	1.013	.926	.609	.466	.378	.253	.509/.477
0606	.3750	.3750	1.230	1.114	1.230	1.114	.609	.609	.378	.378	.509/.477
0806	.5000	.3750	1.477	1.331	1.269	1.153	.783	.609	.504	.378	.647/.615
0808	.5000	.5000	1.477	1.331	1.477	1.331	.783	.783	.504	.504	.647/.615
1008	.6250	.5000	1.850	1.646	1.556	1.410	.939	.783	.629	.504	.783/.751
1010	.6250	.6250	1.850	1.646	1.850	1.646	.939	.939	.629	.629	.783/.751
1210	.7500	.6250	2.080	1.875	1.929	1.725	1.122	.939	.754	.629	.925/.893
1212	.7500	.7500	2.080	1.875	2.080	1.875	1.122	1.122	.754	.754	.925/.893
1612	1.0000	.7500	2.496	2.282	2.198	1.993	1.495	1.122	1.004	.754	1.213/1.181
1616	1.0000	1.0000	2.496	2.282	2.496	2.282	1.495	1.495	1.004	1.004	1.213/1.181

TABLE 1B - DIMENSIONS J THROUGH WA

BASIC NO. AS5971 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	J TUBE	/11/ DEDUCT	JA TUBE	/11/ DEDUCT	M	P	PA	W	WA
0404	.2500	.2500	.352	±.150	.352	±.150	.043	.198	.198	.123	.123
0604	.3750	.2500	.431	±.150	.431	±.150	.045	.302	.123	.153	.123
0606	.3750	.3750	.431	±.150	.431	±.150	.045	.302	.302	.153	.153
0806	.5000	.3750	.478	±.175	.470	±.175	.052	.401	.302	.165	.153
0808	.5000	.5000	.478	±.175	.478	±.175	.052	.401	.401	.165	.165
1008	.6250	.5000	.557	±.175	.557	±.175	.057	.507	.401	.140	.165
1010	.6250	.6250	.557	±.175	.557	±.175	.057	.507	.507	.140	.140
1210	.7500	.6250	.643	±.175	.636	±.175	.065	.604	.507	.154	.140
1212	.7500	.7500	.643	±.175	.643	±.175	.065	.604	.604	.154	.154
1612	1.0000	.7500	.768	±.200	.761	±.200	.084	.802	.604	.167	.154
1616	1.0000	1.0000	.768	±.200	.768	±.200	.084	.802	.802	.167	.167

TABLE 1C - DIMENSIONS W1 THROUGH W4A AND WEIGHTS

BASIC NO. AS5971 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	W1	W1A	W2 ±.0015	W2A ±.0015	W3	W3A	W4	W4A	MAX WEIGHT LBS/EA
0404	.2500	.2500	.488	.488	.3005	.3005	.018	.018	.065	.065	.019
0604	.3750	.2500	.664	.488	.4475	.3005	.033	.018	.065	.065	.036
0606	.3750	.3750	.664	.664	.4475	.4475	.033	.033	.065	.065	.046
0806	.5000	.3750	.871	.664	.5945	.4475	.033	.033	.129	.065	.077
0808	.5000	.5000	.871	.871	.5945	.5945	.033	.033	.129	.129	.091
1008	.6250	.5000	1.190	.871	.7365	.5945	.021	.033	.078	.129	.130
1010	.6250	.6250	1.190	1.190	.7365	.7365	.021	.021	.078	.078	.148
1210	.7500	.6250	1.327	1.190	.8805	.7365	.024	.021	.089	.078	.212
1212	.7500	.7500	1.327	1.327	.8805	.8805	.024	.024	.089	.089	.238
1612	1.0000	.7500	1.612	1.327	1.1725	.8805	.027	.024	.099	.089	.415
1616	1.0000	1.0000	1.612	1.612	1.1725	1.1725	.027	.027	.099	.099	.513

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