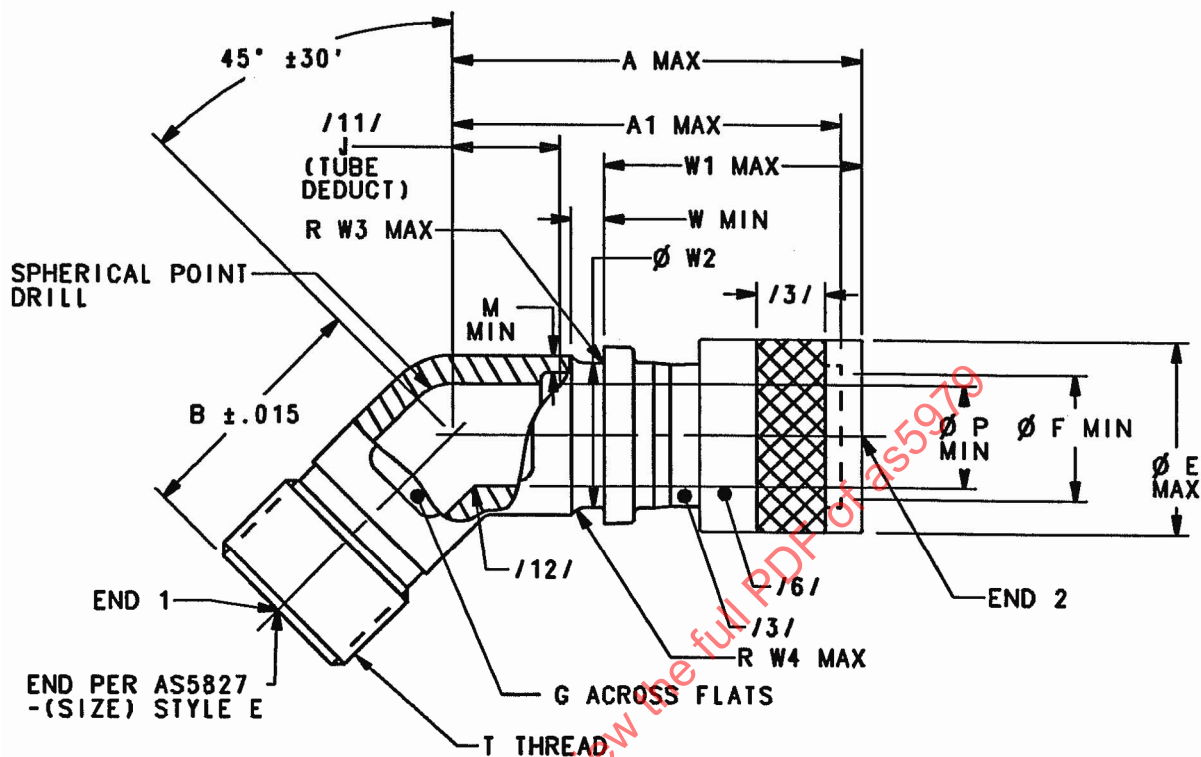


AS5979

RATIONALE

FEDERAL SUPPLY CLASS
4730

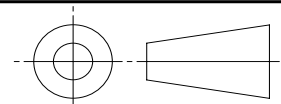
THIS STANDARD WAS PREPARED TO PROVIDE AN ENVELOPE REQUIREMENTS FOR AN AXIALLY SWAGED, FIELD ATTACHABLE, 5000 PSI, TUBE FITTING.



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

FIGURE 1 - ELBOW, 90°, SWAGE

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING ASSEMBLY, 45°, MALE
FLARELESS, AXIALLY SWAGED,
HYDRAULIC, 5080 PSI

AS5979
SHEET 1 OF 3

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ISSUED 2006-01

TABLE 1A - DIMENSIONS A THROUGH J

BASIC NO. AS5979 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A	A1	B	E	F	(G)	J /11/ TUBE DEDUCT
0404	.2500	.2500	.934	.847	.766	.466	.253	.348/.380	.352 ±.150
0604	.3750	.2500	1.013	.926	.861	.466	.253	.477/.509	.431 ±.150
0406	.2500	.3750	1.230	1.114	.845	.609	.378	.477/.509	.431 ±.150
0606	.3750	.3750	1.230	1.114	.861	.609	.378	.477/.509	.431 ±.150
0806	.5000	.3750	1.269	1.153	.993	.609	.378	.615/.647	.470 ±.150
0608	.3750	.5000	1.477	1.331	.900	.783	.504	.615/.647	.478 ±.175
0808	.5000	.5000	1.477	1.331	.993	.783	.504	.615/.647	.478 ±.175
1008	.6250	.5000	1.556	1.410	1.135	.783	.504	.751/.783	.557 ±.175
0810	.5000	.6250	1.850	1.646	1.072	.939	.629	.751/.783	.557 ±.175
1010	.6250	.6250	1.850	1.646	1.135	.939	.629	.751/.783	.557 ±.175
1210	.7500	.6250	1.929	1.725	1.277	.939	.629	.893/.929	.636 ±.175
1012	.6250	.7500	2.080	1.875	1.214	1.122	.754	.893/.929	.643 ±.175
1212	.7500	.7500	2.080	1.875	1.277	1.122	.754	.893/.929	.643 ±.175
1612	1.0000	.7500	2.198	1.993	1.395	1.122	.754	1.181/1.213	.761 ±.175
1216	.7500	1.0000	2.496	2.282	1.395	1.495	1.004	1.181/1.213	.768 ±.200
1616	1.0000	1.0000	2.496	2.282	1.395	1.495	1.004	1.181/1.213	.768 ±.200

TABLE 1B - DIMENSIONS M THROUGH W4 AND WEIGHTS

BASIC NO. AS5979 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	M	P	T THREAD PER AS8879	W	W1	W2 ±.0015	W3	W4	MAX WEIGHT LBS/EA
0404	.2500	.2500	.043	.198	.4375-28UNJEF-3A	.123	.488	.3005	.018	.065	.019
0604	.3750	.2500	.045	.198	.5625-24UNJEF-3A	.123	.488	.3005	.018	.065	.028
0406	.2500	.3750	.045	.302	.4375-28UNJEF-3A	.153	.675	.4475	.033	.065	.029
0606	.3750	.3750	.045	.302	.5625-24UNJEF-3A	.153	.675	.4475	.033	.065	.037
0806	.5000	.3750	.052	.302	.7500-20UNJEF-3A	.153	.675	.4475	.033	.065	.054
0608	.3750	.5000	.052	.401	.5625-24UNJEF-3A	.165	.871	.5945	.033	.129	.051
0808	.5000	.5000	.052	.401	.7500-20UNJEF-3A	.165	.871	.5945	.033	.129	.070
1008	.6250	.5000	.057	.401	.8750-20UNJEF-3A	.165	.871	.5945	.033	.129	.102
0810	.5000	.6250	.057	.507	.7500-20UNJEF-3A	.140	1.190	.7365	.021	.078	.088
1010	.6250	.6250	.057	.507	.8750-20UNJEF-3A	.140	1.190	.7365	.021	.078	.121
1210	.7500	.6250	.065	.507	1.0625-18UNJEF-3A	.140	1.190	.7365	.021	.078	.187
1012	.6250	.7500	.065	.604	.8750-20UNJEF-3A	.154	1.327	.8805	.024	.089	.452
1212	.7500	.7500	.065	.604	1.0625-18UNJEF-3A	.154	1.327	.8805	.024	.089	.187
1612	1.0000	.7500	.084	.604	1.3125-16UNJ-3A	.154	1.327	.8805	.024	.089	.282
1216	.7500	1.0000	.084	.802	1.0625-18UNJEF-3A	.167	1.612	1.1725	.027	.099	.285
1616	1.0000	1.0000	.084	.802	1.3125-16UNJ-3A	.167	1.612	1.1725	.027	.099	.384