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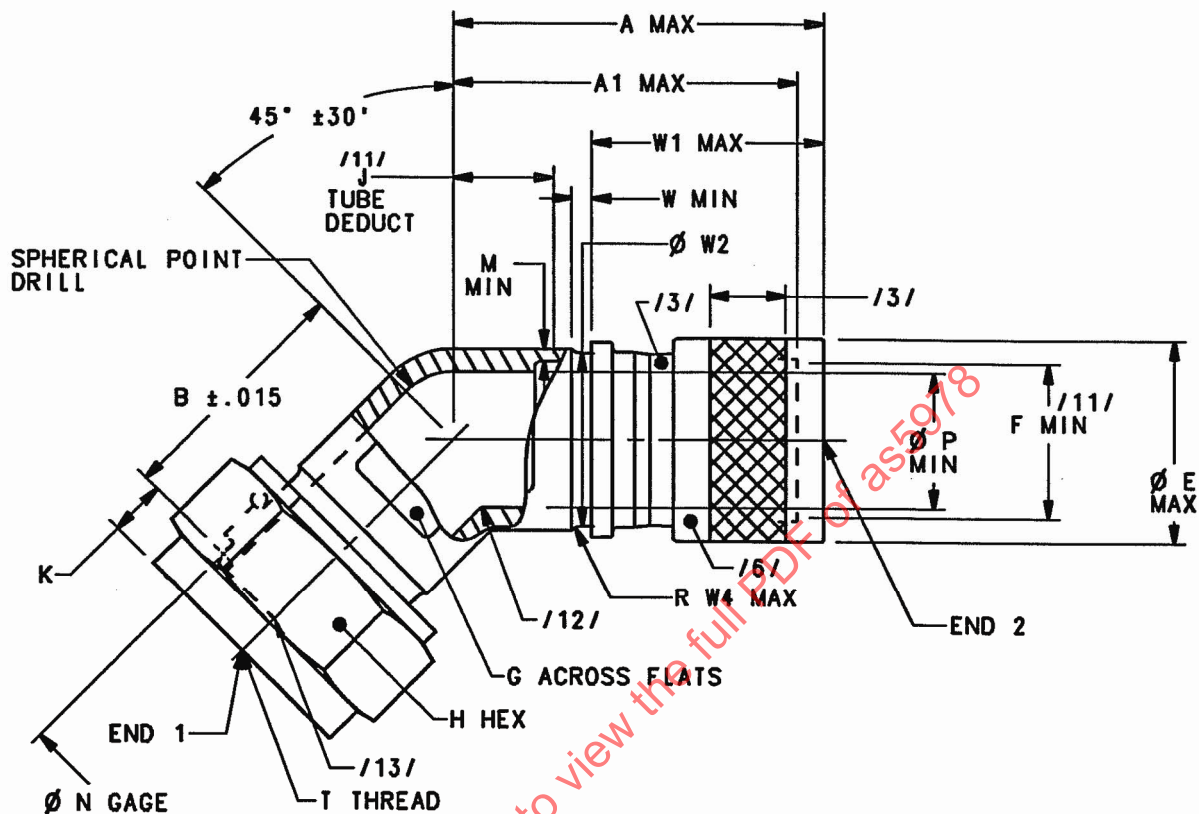
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AS5978

RATIONALE

FEDERAL SUPPLY CLASS
4730

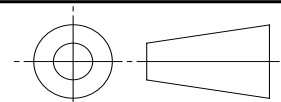
THIS STANDARD WAS PREPARED TO PROVIDE AN ENVELOPE REQUIREMENTS FOR AN AXIALLY SWAGED, FIELD ATTACHABLE, 5000 PSI, TUBE FITTING.



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

FIGURE 1 - ADAPTER, 45°, SWAGE

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

AS5978
SHEET 1 OF 3

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ISSUED 2006-01

TABLE 1A - DIMENSIONS A THROUGH K

BASIC NO. AS5978 /14/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A	A1	B	E	F	G	(H)	J /11/ TUBE DEDUCT	K
0404	.2500	.2500	.934	.847	.898	.466	.253	.348/.380	.563	.352 ±.150	.325
0604	.3750	.2500	1.013	.926	1.055	.466	.253	.477/.509	.688	.431 ±.150	.337
0406	.2500	.3750	1.230	1.114	.977	.609	.378	.477/.509	.563	.431 ±.150	.325
0606	.3750	.3750	1.230	1.114	1.055	.609	.378	.477/.509	.688	.431 ±.150	.337
0806	.5000	.3750	1.269	1.153	1.208	.609	.378	.615/.647	.875	.470 ±.150	.380
0608	.3750	.5000	1.477	1.331	1.097	.783	.504	.615/.647	.688	.478 ±.175	.337
0808	.5000	.5000	1.477	1.331	1.208	.783	.504	.615/.647	.875	.478 ±.175	.380
1008	.6250	.5000	1.556	1.410	1.412	.783	.504	.751/.783	1.000	.557 ±.175	.407
0810	.5000	.6250	1.850	1.646	1.287	.939	.629	.751/.783	.875	.557 ±.175	.380
1010	.6250	.6250	1.850	1.646	1.412	.939	.629	.751/.783	1.000	.557 ±.175	.407
1210	.7500	.6250	1.929	1.725	1.538	.939	.629	.893/.929	1.250	.636 ±.175	.433
1012	.6250	.7500	2.080	1.875	1.491	1.122	.754	.893/.929	1.000	.643 ±.175	.407
1212	.7500	.7500	2.080	1.875	1.538	1.122	.754	.893/.929	1.250	.643 ±.175	.433
1612	1.0000	.7500	2.198	1.993	1.766	1.122	.754	1.181/1.213	1.500	.761 ±.175	.437
1216	.7500	1.0000	2.496	2.282	1.656	1.495	1.004	1.181/1.213	1.250	.768 ±.200	.433
1616	1.0000	1.0000	2.496	2.282	1.766	1.495	1.004	1.181/1.213	1.500	.768 ±.200	.437

TABLE 1B - DIMENSIONS M THROUGH W4 AND WEIGHTS

BASIC NO. AS5978 /14/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	M	N GAGE	P	T THREAD PER AS8879	W	W1	W2 ±.0015	W3	W4	MAX WEIGHT LBS/EA
0404	.2500	.2500	.043	.2930	.198	.4375-28UNJEF-3B	.123	.488	.3005	.018	.065	.036
0604	.3750	.2500	.045	.4160	.198	.5625-24UNJEF-3B	.123	.488	.3005	.018	.065	.058
0406	.2500	.3750	.045	.2930	.302	.4375-28UNJEF-3B	.153	.675	.4475	.033	.065	.045
0606	.3750	.3750	.045	.4160	.302	.5625-24UNJEF-3B	.153	.675	.4475	.033	.065	.066
0806	.5000	.3750	.052	.5600	.302	.7500-20UNJEF-3B	.153	.675	.4475	.033	.065	.106
0608	.3750	.5000	.052	.4160	.401	.5625-24UNJEF-3B	.165	.871	.5945	.033	.129	.083
0808	.5000	.5000	.052	.5600	.401	.7500-20UNJEF-3B	.165	.871	.5945	.033	.129	.121
1008	.6250	.5000	.057	.6860	.401	.8750-20UNJEF-3B	.165	.871	.5945	.033	.129	.153
0810	.5000	.6250	.057	.5600	.507	.7500-20UNJEF-3B	.140	1.190	.7365	.021	.078	.144
1010	.6250	.6250	.057	.6860	.507	.8750-20UNJEF-3B	.140	1.190	.7365	.021	.078	.173
1210	.7500	.6250	.065	.8100	.507	1.0625-18UNJEF-3B	.140	1.190	.7365	.021	.078	.276
1012	.6250	.7500	.065	.6860	.604	.8750-20UNJEF-3B	.154	1.327	.8805	.024	.089	.255
1212	.7500	.7500	.065	.8100	.604	1.0625-18UNJEF-3B	.154	1.327	.8805	.024	.089	.272
1612	1.0000	.7500	.084	1.0620	.604	1.3125-16UNJ-3B	.154	1.327	.8805	.024	.089	.471
1216	.7500	1.0000	.084	.8100	.802	1.0625-18UNJEF-3B	.167	1.612	1.1725	.027	.099	.370
1616	1.0000	1.0000	.084	1.0620	.802	1.3125-16UNJ-3B	.167	1.612	1.1725	.027	.099	.480