

REV.
A

SAE AS5868

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS5868A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

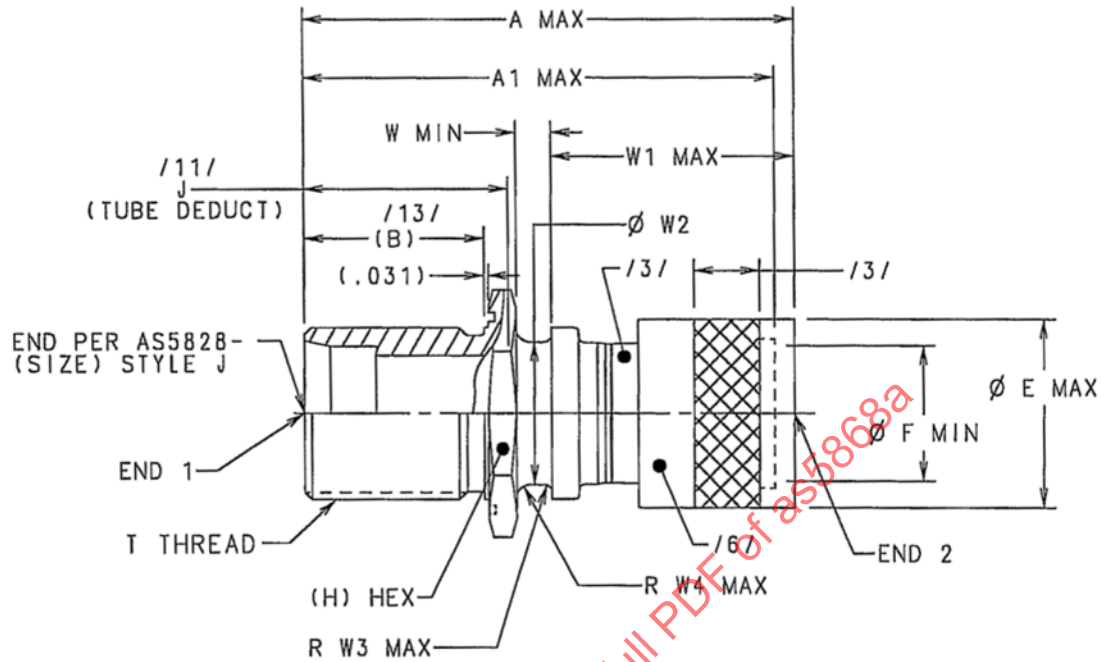
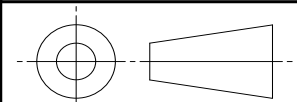


FIGURE 1 - ADAPTER, SWAGE

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

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5868A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING ASSEMBLY, ADAPTER, BULKHEAD
FLARELESS, AXIALLY SWAGED, HYDRAULIC,
5080 PSI

SAE AS5868
SHEET 1 OF 3

REV.
A

TABLE 1A - DIMENSIONS A THROUGH J

BASIC NO. AS5868 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A	A1	A	A1	(B)/13/ STANDARD LENGTH	(B)/13/ EXTENDED LENGTH	E	F	(H)	J /11/ TUBE DEDUCT STANDARD LENGTH
0404	.2500	.2500	1.857	1.770	2.857	2.770	.938	1.938	.466	.253	.875	1.275 ±.150
0604	.3750	.2500	1.923	1.836	2.923	2.836	.984	1.984	.466	.253	1.000	1.341 ±.150
0406	.2500	.3750	2.094	1.978	3.094	2.978	.938	1.938	.609	.378	.875	1.295 ±.150
0606	.3750	.3750	2.140	2.024	3.140	3.024	.984	1.984	.609	.378	1.000	1.341 ±.150
0806	.5000	.3750	2.296	2.180	3.296	3.180	1.125	2.125	.609	.378	1.188	1.497 ±.150
0608	.3750	.5000	2.363	2.217	3.363	3.217	.984	1.984	.783	.504	1.000	1.364 ±.175
0808	.5000	.5000	2.504	2.358	3.504	3.358	1.125	2.125	.783	.504	1.188	1.505 ±.175
1008	.6250	.5000	2.660	2.514	3.660	3.514	1.266	2.266	.783	.504	1.312	1.661 ±.175
0810	.5000	.6250	2.813	2.609	3.813	3.609	1.125	2.125	.939	.629	1.188	1.520 ±.175
1010	.6250	.6250	2.954	2.750	3.954	3.750	1.266	2.266	.939	.629	1.312	1.661 ±.175
1210	.7500	.6250	3.083	2.879	4.083	3.879	1.375	2.375	.939	.629	1.500	1.790 ±.175
1012	.6250	.7500	3.125	2.920	4.125	3.920	1.266	2.266	1.122	.754	1.312	1.688 ±.175
1212	.7500	.7500	3.234	3.029	4.234	4.029	1.375	2.375	1.122	.754	1.500	1.797 ±.175
1612	1.0000	.7500	3.234	3.029	4.234	4.029	1.375	2.375	1.122	.754	1.875	1.797 ±.175
1216	.7500	1.0000	3.552	3.338	4.552	4.338	1.375	2.375	1.495	1.004	1.500	1.824 ±.200
1616	1.0000	1.0000	3.552	3.338	4.552	4.338	1.375	2.375	1.495	1.004	1.875	1.824 ±.200

TABLE 1B - DIMENSIONS J THROUGH W4

BASIC NO. AS5868 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	J /11/ TUBE DEDUCT EXTENDED LENGTH	T THREAD PER AS8879	W	W1	W2 ±.0015	W3	W4
0404	.2500	.2500	2.275 ±.150	.4375-28UNJEF-3A	.123	.488	.3005	.018	.065
0604	.3750	.2500	2.341 ±.150	.5625-24UNJEF-3A	.123	.488	.3005	.018	.065
0406	.2500	.3750	2.295 ±.150	.4375-28UNJEF-3A	.153	.675	.4475	.033	.065
0606	.3750	.3750	2.341 ±.150	.5625-24UNJEF-3A	.153	.675	.4475	.033	.065
0806	.5000	.3750	2.497 ±.150	.7500-20UNJEF-3A	.153	.675	.4475	.033	.065
0608	.3750	.5000	2.364 ±.175	.5625-24UNJEF-3A	.165	.871	.5945	.033	.129
0808	.5000	.5000	2.505 ±.175	.7500-20UNJEF-3A	.165	.871	.5945	.033	.129
1008	.6250	.5000	2.661 ±.175	.8750-20UNJEF-3A	.165	.871	.5945	.033	.129
0810	.5000	.6250	2.520 ±.175	.7500-20UNJEF-3A	.140	1.190	.7365	.021	.078
1010	.6250	.6250	2.661 ±.175	.8750-20UNJEF-3A	.140	1.190	.7365	.021	.078
1210	.7500	.6250	2.790 ±.175	1.0625-18UNJEF-3A	.140	1.190	.7365	.021	.078
1012	.6250	.7500	2.688 ±.175	.8750-20UNJEF-3A	.154	1.327	.8805	.024	.089
1212	.7500	.7500	2.797 ±.175	1.0625-18UNJEF-3A	.154	1.327	.8805	.024	.089
1612	1.0000	.7500	2.797 ±.175	1.3125-16UNJ-3A	.154	1.327	.8805	.024	.089
1216	.7500	1.0000	2.824 ±.200	1.0625-18UNJEF-3A	.167	1.612	1.1725	.027	.099
1616	1.0000	1.0000	2.824 ±.200	1.3125-16UNJ-3A	.167	1.612	1.1725	.027	.099

TABLE 1B - O-RING SIZE AND WEIGHTS

BASIC NO. AS5868 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	AS568 RING /12/	WEIGHT LBS/EA APPROX. REF STANDARD LENGTH	WEIGHT LBS/EA APPROX. REF EXTENDED LENGTH
0404	.2500	.2500	-15	.047	.067
0604	.3750	.2500	-17	.055	.084
0406	.2500	.3750	-17	.056	.076
0606	.3750	.3750	-17	.064	.093
0806	.5000	.3750	-20	.070	.120
0608	.3750	.5000	-20	.080	.109
0808	.5000	.5000	-20	.086	.136
1008	.6250	.5000	-22	.102	.168
0810	.5000	.6250	-22	.107	.157
1010	.6250	.6250	-22	.123	.189
1210	.7500	.6250	-25	.126	.216
1012	.6250	.7500	-25	.154	.220
1212	.7500	.7500	-25	.157	.247
1612	1.0000	.7500	-30	.197	.320
1216	.7500	1.0000	-30	.254	.344
1616	1.0000	1.0000	-30	.324	.447