

AS5969

RATIONALE

FEDERAL SUPPLY CLASS
4730

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

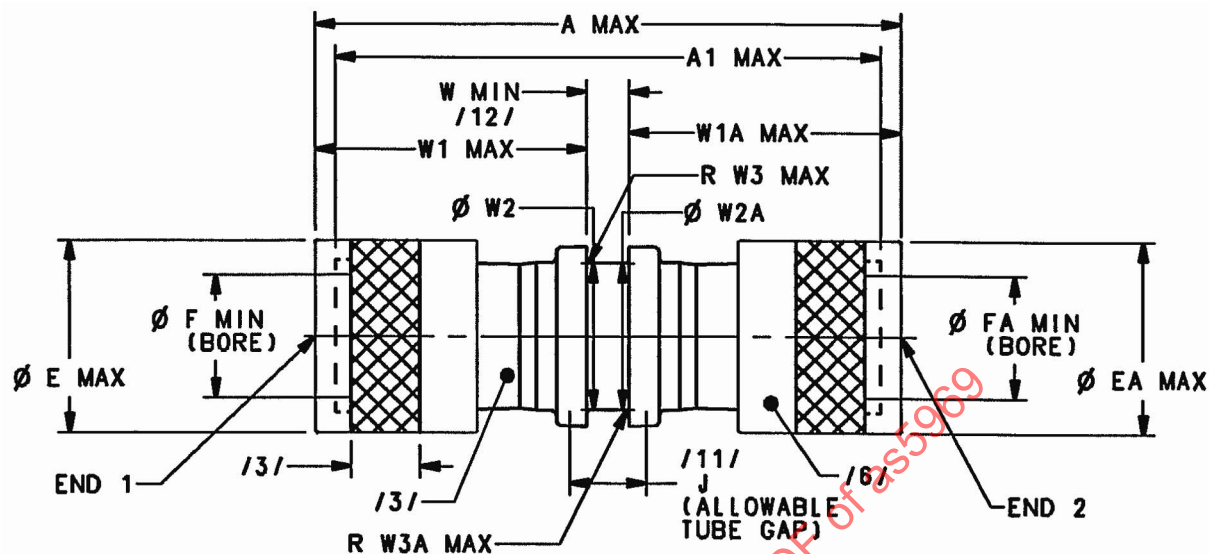
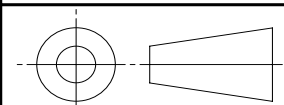


FIGURE 1 - UNION, SWAGE

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING ASSEMBLY, UNION,
AXIALLY SWAGED,
HYDRAULIC, 5080 PSI

AS5969
SHEET 1 OF 3

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ISSUED 2006-01

TABLE 1A - DIMENSIONS A THROUGH J

BASIC NO. AS5969 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A	A1	E	EA	F	FA	J /11/ ALLOWABLE TUBE GAP
0404	.2500	.2500	1.134	.975	.466	.466	.253	.253	.150 ±.150
0604	.3750	.2500	1.621	1.448	.609	.466	.378	.253	.300 ±.300
0606	.3750	.3750	1.568	1.351	.609	.609	.378	.378	.175 ±.150
0806	.5000	.3750	2.032	1.785	.783	.609	.504	.378	.300 ±.300
0808	.5000	.5000	1.942	1.665	.783	.783	.504	.504	.175 ±.175
1008	.6250	.5000	2.582	2.262	.939	.783	.629	.504	.350 ±.350
1010	.6250	.6250	2.555	2.162	.939	.939	.629	.629	.175 ±.175
1210	.7500	.6250	3.003	2.609	1.122	.939	.754	.629	.325 ±.325
1212	.7500	.7500	2.843	2.448	1.122	1.122	.754	.754	.175 ±.175
1612	1.0000	.7500	3.521	3.117	1.495	1.122	1.004	.754	.375 ±.375
1616	1.0000	1.0000	3.426	3.013	1.495	1.495	1.004	1.004	.200 ±.200

TABLE 1B - DIMENSIONS W THROUGH W3 AND WEIGHTS

BASIC NO. AS5969 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	W	W1	W1A	W2 ±.0015	W2A ±.0015	W3	W3A	MAX WEIGHT LBS/EA
0404	.2500	.2500	.113	.488	.488	.3005	.3005	.018	.018	.012
0604	.3750	.2500	.443	.675	.488	.4475	.3005	.033	.018	.023
0606	.3750	.3750	.173	.675	.675	.4475	.4475	.033	.033	.031
0806	.5000	.3750	.441	.871	.675	.5945	.4475	.033	.033	.050
0808	.5000	.5000	.155	.871	.871	.5945	.5945	.033	.033	.062
1008	.6250	.5000	.506	1.190	.871	.7365	.5945	.021	.033	.099
1010	.6250	.6250	.130	1.190	1.190	.7365	.7365	.021	.021	.103
1210	.7500	.6250	.441	1.327	1.190	.8805	.7365	.024	.021	.140
1212	.7500	.7500	.144	1.327	1.327	.8805	.8805	.024	.024	.165
1612	1.0000	.7500	.537	1.612	1.327	1.1725	.8805	.027	.024	.281
1616	1.0000	1.0000	.157	1.612	1.612	1.1725	1.1725	.027	.027	.359