FEDERAL SUPPLY CLASS
4730

RATIONALE
REVISED TO ADD FLANGE OPTIONAL MATERIAL, OPTIONAL LENGTH AND UPDATED NOTE 8 & 12

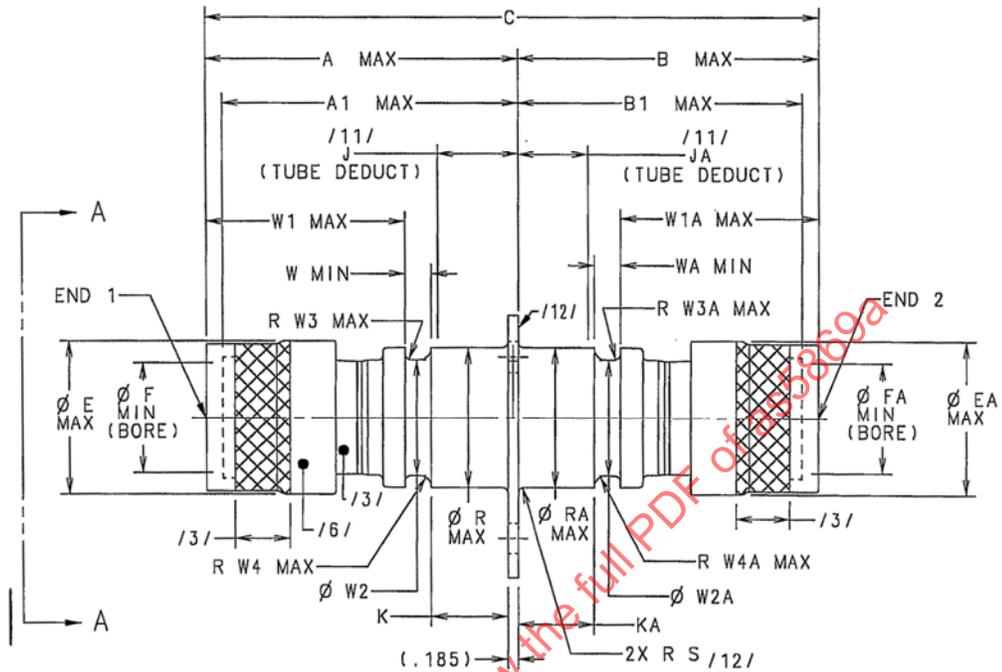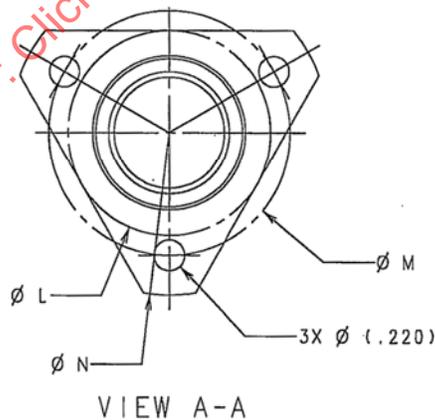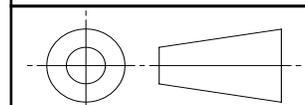FIGURE 1 - ADAPTER, SWAGE
(SEE TABLE 1 FOR DIMENSIONAL INFORMATION)

VIEW A-A

REVISED 2006-11

ISSUED 2006-02

THIRD ANGLE PROJECTION

CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
FITTING ASSEMBLY, UNION, 3 HOLE FLANGE,
AXIALLY SWAGED, HYDRAULIC,
5080 PSI

AS5869
SHEET 1 OF 3

**REV.
A**

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TABLE 1A - DIMENSIONS A THROUGH FA

BASIC NO. AS5869 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A	A1	B	B1	C	E	EA	F	FA
0404	.2500	.2500	1.333	1.246	1.148	1.061	2.421	.466	.466	.253	.253
0604	.3750	.2500	1.550	1.434	1.148	1.061	2.638	.609	.466	.378	.253
0606	.3750	.3750	1.550	1.434	1.365	1.249	2.855	.609	.609	.378	.378
0806	.5000	.3750	1.758	1.612	1.365	1.249	3.063	.783	.609	.504	.378
0808	.5000	.5000	1.758	1.612	1.573	1.427	3.271	.783	.783	.504	.504
1008	.6250	.5000	2.052	1.848	1.573	1.427	3.565	.939	.783	.629	.504
1010	.6250	.6250	2.052	1.848	1.867	1.663	3.859	.939	.939	.629	.629
1210	.7500	.6250	2.203	1.998	1.867	1.663	4.010	1.122	.939	.754	.629
1212	.7500	.7500	2.203	1.998	2.018	1.813	4.161	1.122	1.122	.754	.754
1612	1.0000	.7500	2.501	2.287	2.018	1.813	4.459	1.495	1.122	1.004	.754
1616	1.0000	1.0000	2.501	2.287	2.316	2.102	4.757	1.495	1.495	1.004	1.004
1616E	1.0000	1.0000	2.799	2.585	2.316	2.102	5.055	1.495	1.495	1.004	1.004

TABLE 1B - DIMENSIONS J THROUGH S

BASIC NO. AS5869 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 1	/11/ J TUBE	DEDUCT	/11/ J TUBE	DEDUCT	K	KA	L	M	N	R	RA	S
0404	.2500	.2500	.751	±.150	.566	±.150	.512	.512	1.496	1.496	2.200	.426	.426	.090
0604	.3750	.2500	.751	±.150	.566	±.150	.512	.512	1.496	1.575	2.280	.573	.426	.090
0606	.3750	.3750	.751	±.150	.566	±.150	.512	.512	1.496	1.575	2.280	.573	.573	.090
0806	.5000	.3750	.759	±.175	.566	±.175	.512	.512	1.575	1.811	2.560	.848	.573	.090
0808	.5000	.5000	.759	±.175	.574	±.175	.512	.512	1.575	1.811	2.560	.848	.848	.090
1008	.6250	.5000	.759	±.175	.574	±.175	.512	.512	1.693	1.811	2.560	.888	.848	.090
1010	.6250	.6250	.759	±.175	.574	±.175	.512	.512	1.693	1.811	2.560	.888	.888	.090
1210	.7500	.6250	.766	±.175	.574	±.175	.512	.512	1.772	1.929	2.560	1.064	.888	.090
1212	.7500	.7500	.766	±.175	.581	±.175	.512	.512	1.772	1.929	2.560	1.064	1.064	.090
1612	1.0000	.7500	.773	±.200	.581	±.200	.512	.512	2.047	2.283	2.910	1.366	1.064	.090
1616	1.0000	1.0000	.773	±.200	.588	±.200	.512	.512	2.047	2.283	2.910	1.366	1.366	.090
1616E	1.0000	1.0000	1.071	±.200	.588	±.200	.810	.512	2.047	2.283	2.910	1.301	1.301	.090

TABLE 1C - DIMENSIONS W THROUGH W4A AND WEIGHTS

BASIC NO. AS5869 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 1	W	WA	W1	W1A	W2 ±.0015	W2A ±.0015	W3	W3A	W4	W4A	WEIGHT LBS/EA APPROX, REF
0404	.2500	.2500	.123	.123	.488	.488	.3005	.3005	.018	.018	.065	.065	.108
0604	.3750	.2500	.153	.123	.675	.488	.4475	.3005	.033	.018	.065	.065	.127
0606	.3750	.3750	.153	.153	.675	.675	.4475	.4475	.033	.033	.065	.065	.142
0806	.5000	.3750	.165	.153	.871	.675	.5945	.4475	.033	.033	.129	.065	.182
0808	.5000	.5000	.165	.165	.871	.871	.5945	.5945	.033	.033	.129	.129	.214
1008	.6250	.5000	.140	.165	1.190	.871	.7365	.5945	.021	.033	.078	.021	.237
1010	.6250	.6250	.140	.140	1.190	1.190	.7365	.7365	.021	.021	.078	.078	.256
1210	.7500	.6250	.154	.140	1.327	1.190	.8805	.7365	.024	.021	.089	.078	.283
1212	.7500	.7500	.154	.154	1.327	1.327	.8805	.8805	.024	.024	.089	.089	.329
1612	1.0000	.7500	.167	.154	1.612	1.327	1.1725	.8805	.027	.024	.099	.089	.456
1616	1.0000	1.0000	.167	.167	1.612	1.612	1.1725	1.1725	.027	.027	.099	.099	.567
1616E	1.0000	1.0000	.167	.167	1.612	1.612	1.1725	1.1725	.027	.027	.099	.099	.610

	AEROSPACE STANDARD	AS5869	REV. A
SAE Aerospace An SAE International Group	FITTING ASSEMBLY, UNION, 3 HOLE FLANGE, AXIALLY SWAGED, HYDRAULIC, 5080 PSI	SHEET 2 OF 3	