

REV. C

SAE AS934

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS934C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

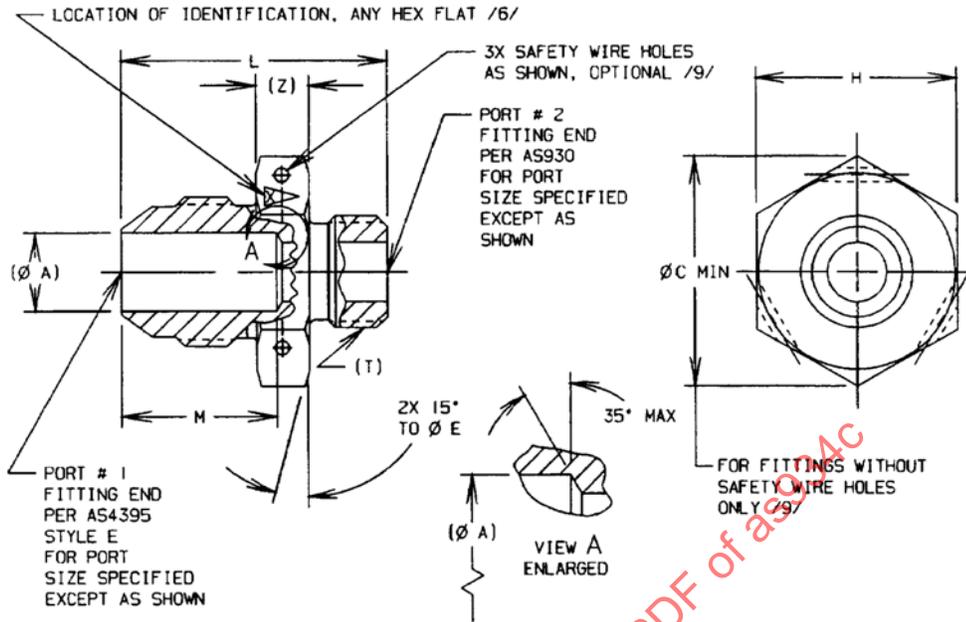


FIGURE 1 - FITTING, ADAPTER, REDUCER

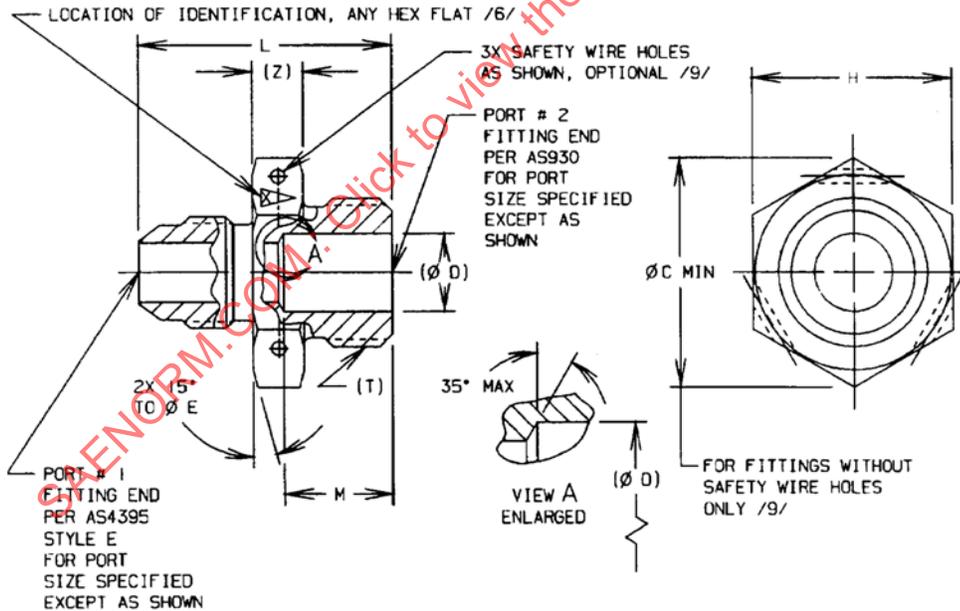
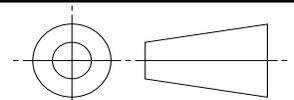


FIGURE 2 - FITTING, ADAPTER, EXPANDER

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4875/1

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING, ADAPTER, REDUCER/EXPANDER,
FLARED TO BOSS

SAE AS934
SHEET 1 OF 3

REV. C

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ISSUED 1984-10 REVISED 2003-08 REAFFIRMED 2013-01

TABLE 1 - PORT SIZES, CORRESPONDING THREADS, HEX SIZES AND HOLE DEPTHS

PORT SIZE	(NOMINAL TUBE SIZE)	T THREAD PER MIL-S-8879	E						
			A	C	D	$\pm .010$ //	H //	Z	
02	.125	.3125-24 UNJF	.062	.638	.062	.542	.552-.565	-	
03	.188	.3750-24 UNJF	.124	.709	.124	.605	.615-.628	.220	
04	.250	.4375-20 UNJF	.172	.780	.172	.668	.678-.691	.235	
05	.312	.5000-20 UNJF	.234	.851	.234	.730	.740-.753	.235	
06	.375	.5625-18 UNJF	.297	.922	.297	.792	.802-.815	.250	
08	.500	.7500-16 UNJF	.391	1.120	.391	.980	.990-1.003	.250	
10	.625	.8750-14 UNJF	.484	1.260	.484	1.103	1.113-1.128	.312	
12	.750	1.0625-12 UNJ	.609	1.540	.609	1.353	1.363-1.380	.375	
16	1.000	1.3125-12 UNJ	.845	1.788	.845	1.603	1.613-1.630	.375	
20	1.250	1.6250-12 UNJ	1.080	2.063	1.080	1.853	1.863-1.880	.375	
24	1.500	1.8750-12 UNJ	1.314	2.338	1.314	2.099	2.109-2.135	.374	
32	2.000	2.5000-12 UNJ	1.784	3.025	1.784	2.724	2.734-2.760	.437	

TABLE 2 - DIMENSIONS, OVERALL LENGTH L

SIZE OF PORT #1	L PORT #2 SIZE 02	L PORT #2 SIZE 03	L PORT #2 SIZE 04	L PORT #2 SIZE 05	L PORT #2 SIZE 06	L PORT #2 SIZE 08	L PORT #2 SIZE 10	L PORT #2 SIZE 12	L PORT #2 SIZE 16	L PORT #2 SIZE 20	L PORT #2 SIZE 24	L PORT #2 SIZE 32
02	-	1.028	1.083	1.083	1.098	1.183	1.200	1.303	1.303	1.303	1.303	1.365
03	1.059	-	1.114	1.114	1.129	1.169	1.231	1.334	1.334	1.334	1.334	1.396
04	1.145	1.145	-	1.185	1.200	1.240	1.302	1.405	1.405	1.405	1.405	1.467
05	1.145	1.145	1.185	-	1.200	1.240	1.302	1.405	1.405	1.405	1.405	1.467
06	1.166	1.166	1.206	1.206	-	1.246	1.308	1.411	1.411	1.411	1.411	1.473
08	1.267	1.267	1.307	1.307	1.307	-	1.409	1.512	1.512	1.512	1.512	1.574
10	1.430	1.430	1.470	1.470	1.470	1.510	-	1.613	1.613	1.613	1.613	1.675
12	1.599	1.599	1.639	1.639	1.639	1.679	1.679	1.726	1.719	1.719	1.719	1.781
16	1.646	1.646	1.686	1.686	1.686	1.726	1.726	-	1.766	1.766	1.766	1.828
20	1.693	1.693	1.733	1.733	1.733	1.733	1.773	1.813	1.813	-	1.813	1.875
24	1.818	1.818	1.858	1.858	1.858	1.898	1.898	1.938	1.938	1.938	-	2.000
32	2.130	2.130	2.170	2.170	2.170	2.210	2.210	2.250	2.250	2.250	2.250	-

TABLE 3 - DIMENSIONS, HOLE DEPTH M

SIZE OF PORT #1	M PORT #2 SIZE 02	M PORT #2 SIZE 03	M PORT #2 SIZE 04	M PORT #2 SIZE 05	M PORT #2 SIZE 06	M PORT #2 SIZE 08	M PORT #2 SIZE 10	M PORT #2 SIZE 12	M PORT #2 SIZE 16	M PORT #2 SIZE 20	M PORT #2 SIZE 24	M PORT #2 SIZE 32
02	-	.435	.480	.460	.455	.470	.505	.570	.505	.435	.365	.295
03	.555	-	.495	.480	.475	.490	.525	.590	.520	.455	.385	.310
04	.630	.645	-	.490	.485	.500	.535	.600	.535	.465	.395	.325
05	.610	.630	.640	-	.505	.515	.550	.620	.550	.485	.415	.340
06	.615	.630	.645	.660	-	.540	.575	.640	.575	.505	.435	.385
08	.685	.705	.715	.735	.755	-	.560	.625	.555	.490	.420	.345
10	.825	.840	.850	.870	.895	.875	-	.645	.575	.505	.440	.365
12	.985	.975	.985	1.005	1.025	1.010	1.025	-	.590	.520	.450	.375
16	.935	.950	.965	.980	1.005	.990	1.005	.980	-	.580	.510	.440
20	.915	.930	.945	.960	.985	.970	.985	1.000	1.060	-	.540	.465
24	.970	.990	1.000	1.020	1.040	1.025	1.040	1.055	1.115	1.145	-	.525
32	1.145	1.165	1.175	1.195	1.215	1.200	1.220	1.230	1.295	1.320	1.380	-