



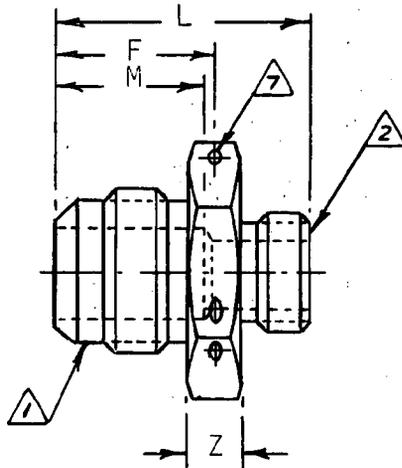
AEROSPACE STANDARD

AS 934

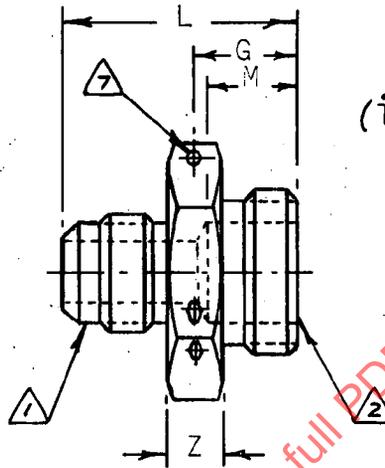
Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

Issued 9-1-78
Revised

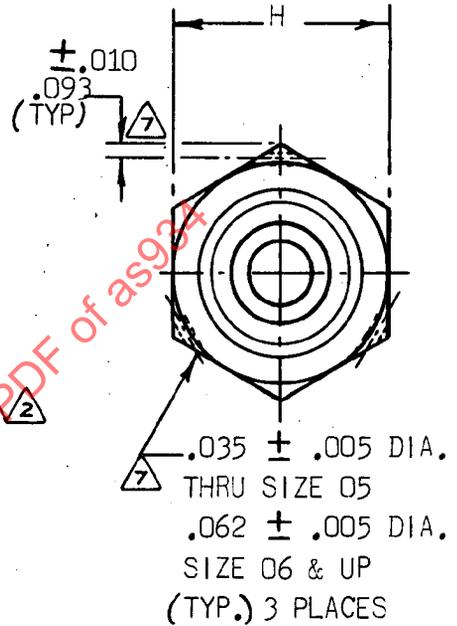
ADAPTER - REDUCER / EXPANDER, FLARED TUBE TO BOSS



REDUCER
ADAPTER



EXPANDER
ADAPTER



FITTING END PER MS 33656 STYLE E FOR SPECIFIED TUBE SIZE



BOSS END PER AS 930 FOR SPECIFIED SIZE

HEX SIZE IS DETERMINED BY THE LARGEST END FOR A GIVEN COMBINATION.
SEE EXAMPLE OF PART NUMBER.

EXPANDER ADAPTER: HEX SIZE AND HEX CHAMFER PER AS 930

REDUCER ADAPTER: HEX SIZE AND HEX CHAMFER PER MS 33656

SAE Technical Board rules provide that: "All technical reports, including standards in industry or trade is entirely voluntary. There is no agreement to adhere to any SAE any technical report. In formulating and approving technical reports, the Board and its committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."

	L LENGTH $\pm .015$										BOSS END SIZE		TUBE		END		SIZE		F $\pm .010$	
	02	03	04	05	06	08	10	12	16	20	24	32	02	03	04	05	06	08		02
.470	.517	.517	.517	.525	.565	.596	.667	.667	.667	.667	.698	G	Z	(REF.)						
.220	.235	.235	.235	.250	.250	.312	.375	.375	.375	.375	.437	Z								
.625	.688	.750	.750	.813	1.000	1.125	1.375	1.625	1.875	2.125	2.750	H	HEX REF.							
02	03	04	05	06	08	10	12	16	20	24	32	BOSS END SIZE								
1.028	1.083	1.083	1.083	1.098	1.138	1.200	1.303	1.303	1.303	1.303	1.365	02								
1.059	1.114	1.114	1.114	1.129	1.169	1.231	1.334	1.334	1.334	1.334	1.396	03	TUBE							.589
1.145	1.145	1.185	1.185	1.200	1.240	1.302	1.405	1.405	1.405	1.405	1.467	04								.667
1.145	1.145	1.185	1.185	1.200	1.240	1.302	1.405	1.405	1.405	1.405	1.467	05	END							.667
1.166	1.166	1.206	1.206	1.206	1.246	1.308	1.411	1.411	1.411	1.411	1.473	06								.681
1.267	1.267	1.307	1.307	1.307	1.307	1.409	1.512	1.512	1.512	1.512	1.574	08	SIZE							.782
1.430	1.430	1.470	1.470	1.470	1.510	1.613	1.613	1.613	1.613	1.613	1.675	10								.914
1.599	1.599	1.639	1.639	1.639	1.679	1.779	1.719	1.719	1.719	1.719	1.781	12								1.051
1.646	1.646	1.686	1.686	1.686	1.726	1.726	1.726	1.726	1.726	1.726	1.828	16								1.098
1.693	1.693	1.733	1.733	1.733	1.773	1.773	1.813	1.813	1.813	1.813	1.875	20								1.145
1.818	1.818	1.858	1.858	1.858	1.898	1.898	1.938	1.938	1.938	1.938	2.000	24								1.270
2.130	2.130	2.170	2.170	2.170	2.210	2.210	2.250	2.250	2.250	2.250	2.250	32								1.551

L LENGTH $\pm .015$

	L LENGTH $\pm .015$										BOSS END SIZE		TUBE		END		SIZE		
	02	03	04	05	06	08	10	12	16	20	24	32	02	03	04	05	06	08	10
02	03	04	05	06	08	10	12	16	20	24	32	BOSS	END	TUBE		END		SIZE	
.435	.480	.480	.460	.455	.470	.505	.570	.505	.435	.365	.295	02							
.555	.495	.495	.480	.475	.490	.525	.590	.520	.455	.385	.310	03							
.630	.645	.490	.490	.485	.500	.535	.600	.535	.465	.395	.325	04							
.610	.630	.640	.640	.505	.515	.550	.620	.550	.485	.415	.340	05							
.615	.630	.645	.660	.660	.540	.575	.640	.575	.505	.435	.385	06							
.685	.705	.715	.735	.755	.560	.560	.625	.555	.490	.420	.345	08							
.825	.840	.850	.870	.895	.875	.875	.645	.575	.505	.440	.365	10							
.985	.975	.985	1.005	1.025	1.010	1.025	.590	.590	.520	.450	.375	12							
.935	.950	.965	.980	1.005	.990	1.005	.980	.980	.580	.510	.440	16							
.915	.930	.945	.960	.985	.970	.985	1.000	1.060	.540	.540	.465	20							
.970	.990	1.000	1.020	1.040	1.025	1.040	1.055	1.145	1.145	1.145	.525	24							
1.145	1.165	1.175	1.195	1.215	1.200	1.220	1.230	1.295	1.320	1.380	32								

M DRILL DEPTH $\pm .015$