

REV. C

AS1037

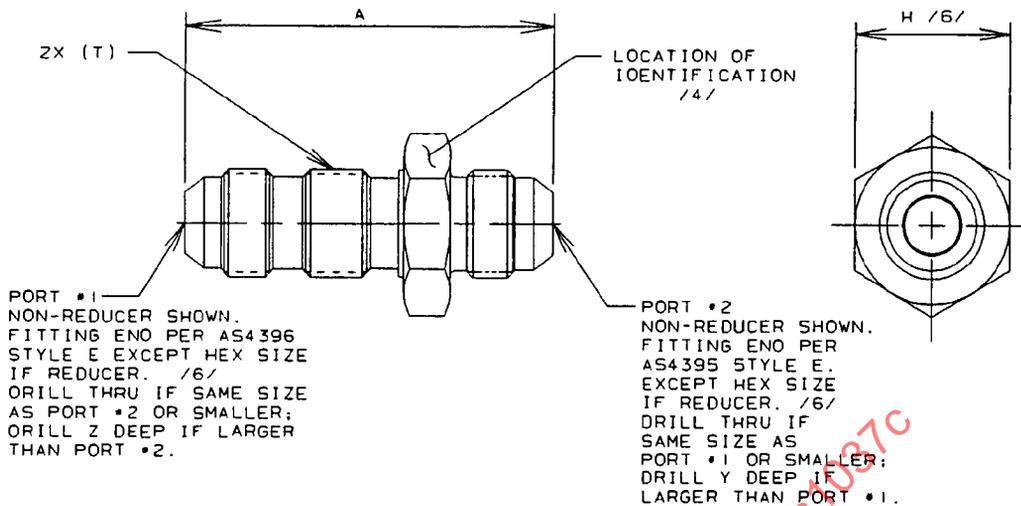
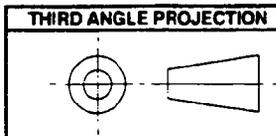


FIGURE 1 - NONREDUCER

TABLE 1 - OVERALL LENGTH A

SIZE OF PORT #2	SIZE OF PORT #1											
02	03	04	05	06	08	10	12	16	20	24	32	
02	1.526	1.641	1.758	1.758	1.924	2.057	2.222	2.428	2.428	2.459	2.491	2.756
03	1.672	1.557	1.789	1.789	1.955	2.088	2.257	2.459	2.459	2.490	2.522	2.787
04	1.766	1.766	1.753	1.860	2.026	2.159	2.324	2.530	2.530	2.561	2.593	2.858
05	1.766	1.766	1.860	1.753	2.026	2.159	2.324	2.530	2.530	2.561	2.593	2.858
06	1.860	1.860	1.954	1.954	1.837	2.165	2.330	2.536	2.536	2.558	2.599	2.864
08	1.938	1.938	2.032	2.032	2.110	2.126	2.431	2.637	2.637	2.668	2.700	2.965
10	2.063	2.063	2.157	2.157	2.235	2.391	2.430	2.738	2.738	2.369	2.801	3.066
12	2.204	2.204	2.298	2.298	2.376	2.532	2.673	2.769	2.844	2.875	2.907	3.172
16	2.251	2.251	2.345	2.345	2.423	2.579	2.720	2.891	2.879	2.922	2.954	3.219
20	2.469	2.469	2.376	2.376	2.454	2.610	2.751	2.922	2.922	2.973	3.001	3.266
24	2.423	2.423	2.517	2.517	2.595	2.751	2.892	3.063	3.063	3.110	3.177	3.391
32	2.657	2.657	2.751	2.751	2.829	2.985	3.126	3.297	3.297	3.344	3.360	3.708



CUSTODIAN: SAE G-3/G-3B      PROCUREMENT SPECIFICATION: /3/ MIL-F-5509

<p>SAE INTERNATIONAL 400 Commonwealth Drive, Warrendale, PA 15096-0001</p>	<b>AEROSPACE STANDARD</b>		<b>AS1037</b>	<b>REV. C</b>
	UNION, STANDARD AND REDUCER, BULKHEAD, FLARED TUBE			

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TABLE 2 - DRILL DEPTH Y

SIZE OF PORT #2	SIZE OF PORT #1 03	SIZE OF PORT #1 04	SIZE OF PORT #1 05	SIZE OF PORT #1 06	SIZE OF PORT #1 08	SIZE OF PORT #1 10	SIZE OF PORT #1 12	SIZE OF PORT #1 16	SIZE OF PORT #1 20	SIZE OF PORT #1 24	SIZE OF PORT #1 32
02	.510	.581	.581	.587	.688	.789	.895	.942	.989	1.114	1.364
03	-	.581	.581	.587	.688	.789	.895	.942	.989	1.114	1.364
04	-	-	.581	.587	.688	.789	.895	.942	.989	1.114	1.364
05	-	-	-	.587	.688	.789	.895	.942	.989	1.114	1.364
06	-	-	-	-	.688	.789	.895	.942	.989	1.114	1.364
08	-	-	-	-	-	.789	.895	.942	.989	1.114	1.364
10	-	-	-	-	-	-	.895	.942	.989	1.114	1.364
12	-	-	-	-	-	-	-	.942	.989	1.114	1.364
16	-	-	-	-	-	-	-	-	.989	1.114	1.364
20	-	-	-	-	-	-	-	-	-	1.114	1.364
24	-	-	-	-	-	-	-	-	-	-	1.364

TABLE 3 - DRILL DEPTH Z

SIZE OF PORT #1	SIZE OF PORT #2 03	SIZE OF PORT #2 04	SIZE OF PORT #2 05	SIZE OF PORT #2 06	SIZE OF PORT #2 08	SIZE OF PORT #2 10	SIZE OF PORT #2 12	SIZE OF PORT #2 16	SIZE OF PORT #2 20	SIZE OF PORT #2 24	SIZE OF PORT #2 32
02	.859	.953	.953	1.032	1.219	1.360	1.531	1.532	1.578	1.968	1.875
03	-	.953	.953	1.032	1.219	1.360	1.531	1.532	1.578	1.968	1.875
04	-	-	.953	1.032	1.219	1.360	1.531	1.532	1.578	1.968	1.875
05	-	-	-	1.032	1.219	1.360	1.531	1.532	1.578	1.968	1.875
06	-	-	-	-	1.219	1.360	1.531	1.532	1.578	1.968	1.875
08	-	-	-	-	-	1.360	1.531	1.532	1.578	1.968	1.875
10	-	-	-	-	-	-	1.531	1.532	1.578	1.968	1.875
12	-	-	-	-	-	-	-	1.532	1.578	1.968	1.875
16	-	-	-	-	-	-	-	-	1.578	1.968	1.875
20	-	-	-	-	-	-	-	-	-	1.968	1.875
24	-	-	-	-	-	-	-	-	-	-	1.875

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TABLE 4 - TUBE SIZE AND CORRESPONDING THREAD

PORT SIZE	(NOMINAL TUBE T THREAD SIZE) PER MIL-S-8879	
	02	.125
03	.188	.3750-24 UNJF
04	.250	.4375-20 UNJF
05	.312	.5000-20 UNJF
06	.375	.5625-18 UNJF
08	.500	.7500-16 UNJF
10	.625	.8750-14 UNJF
12	.750	1.0625-12 UNJ
16	1.000	1.3125-12 UNJ
20	1.250	1.6250-12 UNJ
24	1.500	1.8750-12 UNJ
32	2.000	2.5000-12 UNJ

TABLE 5 - HEX DIMENSION AND WEIGHTS

LARGEST PORT SIZE	H	LBS/EA	LBS/EA	LBS/EA
		MAX ALUM	MAX CRES	MAX TI
02	.559-.566	-	-	-
03	.621-.628	-	-	-
04	.684-.691	-	-	-
05	.746-.753	-	-	-
06	.809-.816	-	-	-
08	.996-1.003	-	-	-
10	1.121-1.128	-	-	-
12	1.371-1.378	-	-	-
16	1.609-1.641	-	-	-
20	1.859-1.891	-	-	-
24	2.105-2.145	-	-	-
32	2.730-2.770	-	-	-