

REV.  
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AS1033

FEDERAL SUPPLY CLASS  
4730

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

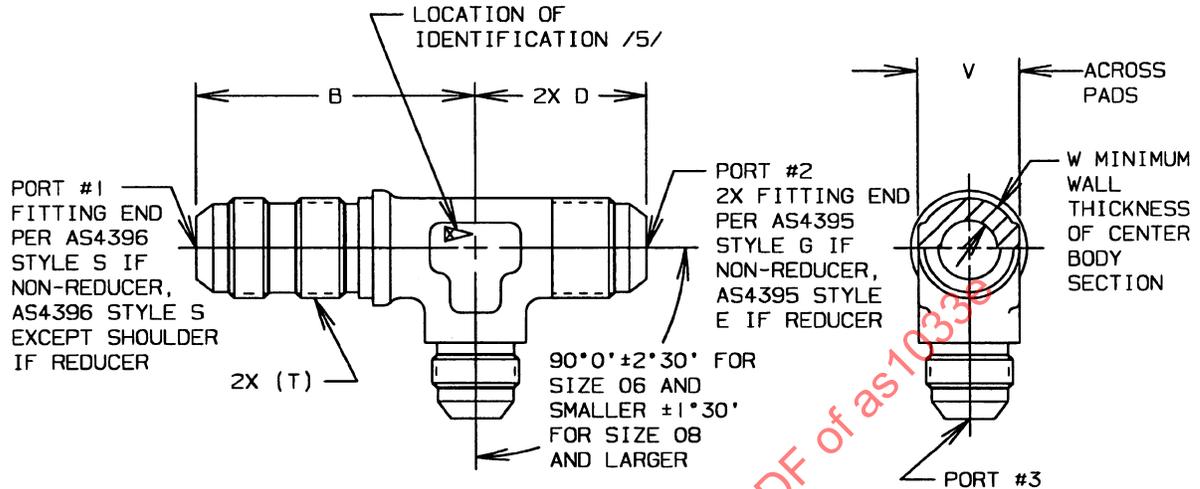


FIGURE 1 - FITTING, TEE, BULKHEAD END FOR OPTIONAL USE IN PORT PORT #3 SHOWN AS REDUCER

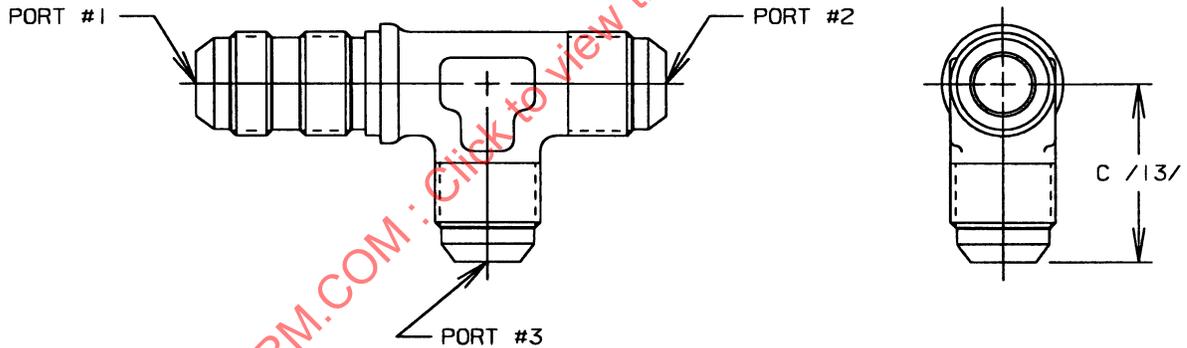
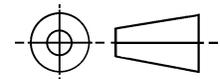


FIGURE 2 - FITTING, TEE, BULKHEAD END FOR OPTIONAL USE IN PORT NON-REDUCER SHOWN SAME AS FIGURE 1 EXCEPT AS SHOWN

INACTIVE IN PART - SEE NOTE /22/

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4841

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**AEROSPACE STANDARD**

FITTING, TEE, STANDARD AND REDUCER,  
BULKHEAD ON RUN,  
FLARED

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ISSUED 1962-08 REVISED 2003-08 REAFFIRMED 2007-07

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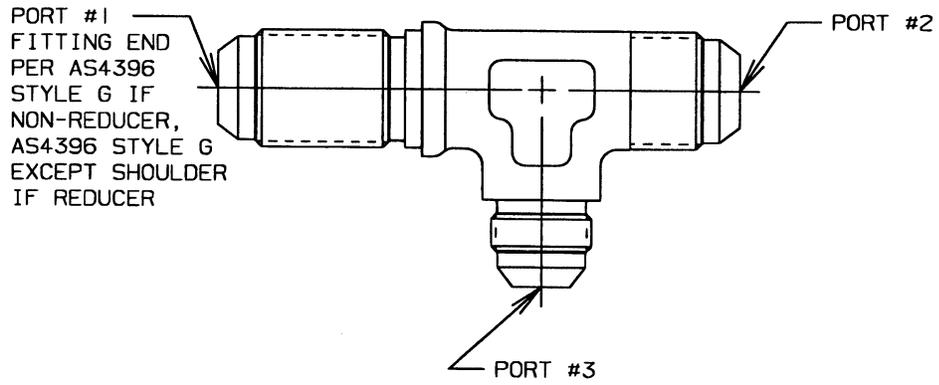


FIGURE 3 - FITTING, TEE, BULKHEAD END FOR USE IN PORT  
PORT #3 SHOWN AS REDUCER  
SAME AS FIGURE 1 EXCEPT AS SHOWN /21/

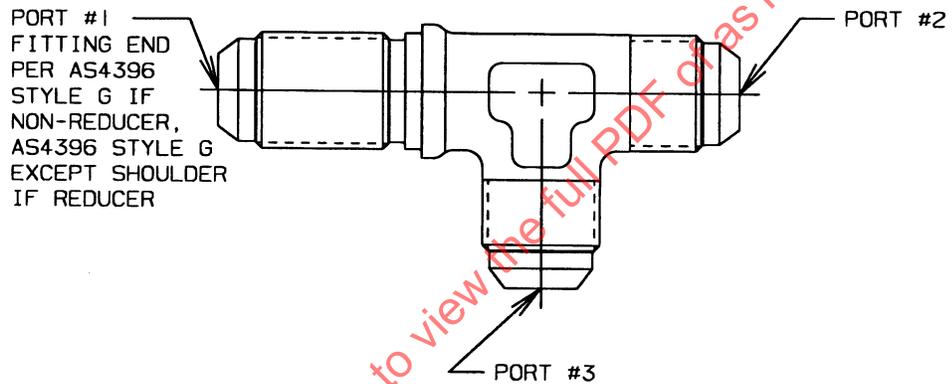


FIGURE 4 - FITTING, TEE, BULKHEAD END FOR USE IN PORT  
NON-REDUCER SHOWN  
SAME AS FIGURE 2 EXCEPT AS SHOWN /21/

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TABLE 1 - DIMENSIONS AND WEIGHTS /14/

BASIC NO. AS1033 /12/ /21/ SIZE CODE	C /13/	V	W	LB/EA APPROX REF ALUM	LB/EA APPROX REF CRES	LB/EA APPROX REF TI
02	.851	.297- .314	.090	.0191	.0549	.0303
03	.914	.360- .377	.100	.0269	.0774	.0427
04	.976	.423- .440	.110	.0370	.106	.0586
05	1.039	.485- .502	.120	.0468	.134	.0741
06	1.101	.547- .565	.120	.0589	.169	.0933
08	1.367	.735- .753	.150	.128	.369	.203
10	1.570	.860- .878	.170	.167	.479	.264
12	1.789	1.047-1.065	.185	.302	.867	.478
16	1.945	1.292-1.317	.205	.429	1.23	.679
20	2.180	1.605-1.630	.240	.705	2.02	1.12
24	2.351	1.855-1.880	.250	.925	2.66	1.46
32	2.898	2.542-2.572	.350	2.03	5.82	3.21

TABLE 2 - LEG LENGTH B

FORGING SIZE /12/	TUBE SIZE OF PORT #1 02	TUBE SIZE OF PORT #1 03	TUBE SIZE OF PORT #1 04	TUBE SIZE OF PORT #1 05	TUBE SIZE OF PORT #1 06	TUBE SIZE OF PORT #1 08	TUBE SIZE OF PORT #1 10	TUBE SIZE OF PORT #1 12	TUBE SIZE OF PORT #1 16	TUBE SIZE OF PORT #1 20	TUBE SIZE OF PORT #1 24	TUBE SIZE OF PORT #1 32
02	1.429	-	-	-	-	-	-	-	-	-	-	-
03	1.461	1.461	-	-	-	-	-	-	-	-	-	-
04	1.507	1.507	1.601	-	-	-	-	-	-	-	-	-
05	1.538	1.538	1.632	1.632	-	-	-	-	-	-	-	-
06	1.648	1.648	1.742	1.742	1.820	-	-	-	-	-	-	-
08	1.789	1.789	1.883	1.883	1.961	2.117	-	-	-	-	-	-
10	1.929	1.929	2.023	2.023	2.101	2.257	2.398	-	-	-	-	-
12	2.039	2.039	2.133	2.133	2.211	2.367	2.508	2.679	-	-	-	-
16	2.164	2.164	2.258	2.258	2.336	2.492	2.633	2.804	2.804	-	-	-
20	2.445	2.445	2.539	2.539	2.617	2.773	2.914	3.085	3.085	3.132	-	-
24	2.726	2.726	2.820	2.820	2.898	3.054	3.195	3.366	3.366	3.413	3.429	-
32	3.133	3.133	3.227	3.227	3.305	3.461	3.602	3.773	3.773	3.820	3.836	4.117

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TABLE 3 - LEG LENGTH D

FORGING SIZE /12/	TUBE SIZE OF PORT #2 OR #3												
	02	03	04	05	06	08	10	12	16	20	24	32	
02	.789	-	-	-	-	-	-	-	-	-	-	-	
03	.820	.851	-	-	-	-	-	-	-	-	-	-	
04	.820	.843	.914	-	-	-	-	-	-	-	-	-	
05	.874	.905	.976	.976	-	-	-	-	-	-	-	-	
06	.978	1.009	1.080	1.080	1.086	-	-	-	-	-	-	-	
08	1.064	1.095	1.166	1.166	1.172	1.273	-	-	-	-	-	-	
10	1.166	1.197	1.268	1.268	1.274	1.375	1.476	-	-	-	-	-	
12	1.263	1.294	1.365	1.365	1.371	1.472	1.573	1.679	-	-	-	-	
16	1.373	1.404	1.475	1.475	1.481	1.582	1.683	1.789	1.836	-	-	-	
20	1.576	1.607	1.678	1.678	1.684	1.785	1.886	1.992	2.039	2.086	-	-	
24	1.716	1.747	1.818	1.818	1.824	1.925	2.026	2.132	2.179	2.226	2.351	-	
32	2.201	2.232	2.303	2.303	2.309	2.410	2.511	2.617	2.664	2.711	2.836	3.086	

TABLE 4 - TUBE SIZE AND CORRESPONDING THREAD

PORT SIZE	(NOMINAL TUBE SIZE)	THREAD PER AS8879 CLASS 3A
02	.125	.3125-24 UNJF
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

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