

ADOPTION NOTICE

SAE-AS1001, "TEE , STANDARD AND REDUCER, BULKHEAD ON RUN, INTERNAL PORT ON SIDE, FLARELESS TUBE", was adopted on 16-AUG-87 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Commander, Naval Air Warfare Center, Aircraft Division, Code 414100B120-3, Highway 547, Lakehurst, NJ 08733-5100. Copies of this document may be purchased from the Society of Automotive Engineers 400 Commonwealth Drive Warrendale, Pennsylvania, United States, 15096-0001. <http://www.sae.org/>

Custodians:

Army - AV
Navy - AS
Air Force - 99

Adopting Activity:

Navy - AS

SAENORM.COM : Click to view the full PDF of SAE-AS1001e

FSC 4730

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

REV.
E

AS1001

FEDERAL SUPPLY CLASS
4730

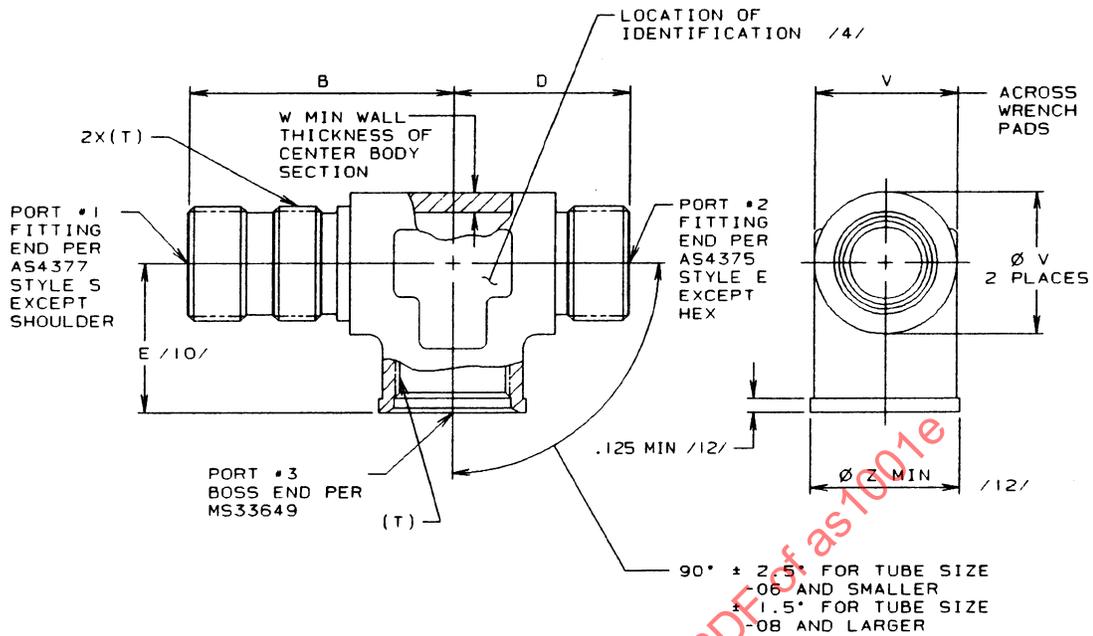


FIGURE 1 - TEE, PORT #3 SHOWN AS NONREDUCER

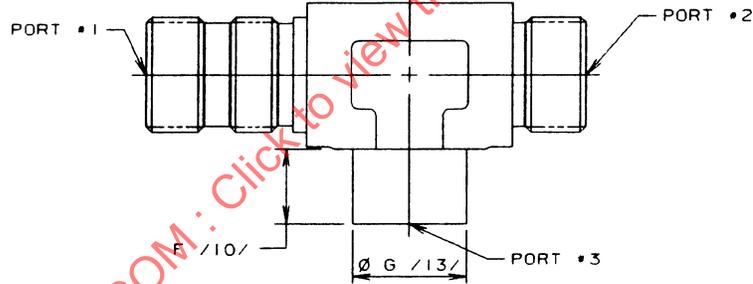
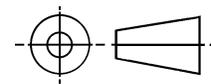


FIGURE 2 - TEE, PORT #3 SHOWN AS REDUCER

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /3/ MIL-F-18280

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD
TEE, STANDARD AND REDUCER,
BULKHEAD ON RUN, INTERNAL PORT ON SIDE,
FLARELESS TUBE

AS1001
SHEET 1 OF 5

**REV.
E**

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."
SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

SAENORM.COM: Click to view the full PDF of as1001e

ISSUED 1966-03 REVISED 1993-08 REAFFIRMED 2000-07

REV.
E

AS1001

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO.						LB/EA	LB/EA	LB/EA	
AS1001						MAX	MAX	MAX	
/11/	/19/	E	F	Z					
SIZE	CODE	/10/	/10/	V	W	/12/	ALUM	CRES	TI
02		.648	---	.500	.090	.562	.018	.051	.029
03		.711	---	.562	.100	.625	.039	.104	.060
04		.773	.375	.750	.110	---	.083	.233	.134
05		.773	.375	.750	.120	.750	.099	.278	.160
06		.836	.375	.875	.120	---	.116	.326	.188
08		1.023	.469	1.062	.150	---	.197	.554	.319
10		1.180	.625	1.062	.170	1.125	.206	.579	.334
12		1.367	.688	1.312	.185	1.375	.360	1.012	.583
14		1.507	.706	1.562	.200	---	---	---	---
16		1.555	.719	1.625	.205	1.625	.455	1.340	.773
20		1.742	.781	1.875	.240	1.938	.672	1.950	1.125

TABLE 2 - LEG LENGTH B

SIZE OF	FORGING										
PORT	SIZE										
#1	/11/	/11/	/11/	/11/	/11/	/11/	/11/	/11/	/11/	/11/	/11/
	02	03	04	05	06	08	10	12	14	16	20
02	1.398	1.430	1.585	1.585	1.758	1.727	1.804	1.883	2.040	2.102	2.242
03	---	1.477	1.632	1.632	1.805	1.774	1.851	1.930	2.087	2.149	2.289
04	---	---	1.695	1.695	1.868	1.837	1.914	1.993	2.150	2.212	2.352
05	---	---	---	1.695	1.868	1.837	1.914	1.993	2.150	2.212	2.352
06	---	---	---	---	1.914	1.883	1.960	2.039	2.196	2.258	2.398
08	---	---	---	---	---	2.055	2.132	2.211	2.368	2.430	2.570
10	---	---	---	---	---	---	2.273	2.352	2.509	2.571	2.711
12	---	---	---	---	---	---	---	2.461	2.618	2.680	2.820
14	---	---	---	---	---	---	---	---	2.618	2.680	2.820
16	---	---	---	---	---	---	---	---	---	2.680	2.820
20	---	---	---	---	---	---	---	---	---	---	2.820

REV.
E

AS1001

TABLE 3 - LEG LENGTH D

SIZE OF PORT #2	FORGING										
	SIZE /11/ 02	SIZE /11/ 03	SIZE /11/ 04	SIZE /11/ 05	SIZE /11/ 06	SIZE /11/ 08	SIZE /11/ 10	SIZE /11/ 12	SIZE /11/ 14	SIZE /11/ 16	SIZE /11/ 20
02	.867	.883	1.039	1.039	1.086	1.180	1.273	1.351	1.492	1.554	1.695
03	---	.930	1.086	1.086	1.133	1.227	1.320	1.398	1.593	1.601	1.742
04	---	---	1.117	1.117	1.164	1.258	1.351	1.429	1.870	1.632	1.773
05	---	---	---	1.117	1.164	1.258	1.351	1.429	1.570	1.632	1.773
06	---	---	---	---	1.180	1.274	1.367	1.445	1.586	1.648	1.789
08	---	---	---	---	---	1.367	1.460	1.538	1.679	1.741	1.882
10	---	---	---	---	---	---	1.523	1.601	1.724	1.804	1.945
12	---	---	---	---	---	---	---	1.644	1.867	1.867	2.008
14	---	---	---	---	---	---	---	---	1.867	1.867	2.008
16	---	---	---	---	---	---	---	---	---	1.867	2.008
20	---	---	---	---	---	---	---	---	---	---	2.008

TABLE 4 - TURNED DIA G

SIZE OF PORT #3	FORGING									
	SIZE /11/ 03	SIZE /11/ 04	SIZE /11/ 05	SIZE /11/ 06	SIZE /11/ 08	SIZE /11/ 10	SIZE /11/ 12	SIZE /11/ 14	SIZE /11/ 16	SIZE /11/ 20
02	---	.594	.594	.594	.594	.594	.594	.594	.594	.594
03	---	.656	.656	.656	.656	.656	.656	.656	.656	.656
04	---	---	---	.719	.719	.719	.719	.719	.719	.719
05	---	---	---	.781	.781	.781	.781	.781	.781	.781
06	---	---	---	---	.844	.844	.844	.844	.844	.844
08	---	---	---	---	---	---	1.062	1.062	1.062	1.062
10	---	---	---	---	---	---	---	1.188	1.188	1.188
12	---	---	---	---	---	---	---	1.438	1.438	1.438
14	---	---	---	---	---	---	---	---	1.562	1.562
16	---	---	---	---	---	---	---	---	---	1.688