NOTICE OF ADOPTION

ADOPTION NOTICE 1
27 August 1993
AS 4396-91
18 oCTOBER 1991

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Title of Document: Fitting End - Bulkhead Flared Tube Connection, Design Standard

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Releasing Industry Group: Society of Automotive Engineers, Inc.

NOTE: When reaffirmation, amendment, revision or cancellation of this standard is initially proposed, the industry group responsible for this standard shall inform the military coordinating activity of the proposed change and request participation.

Custodian:
Air Force - 99
Navy - AS

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DLA - CS

User:
Army - AR

Military Coordinating Activity:
Air Force - 82

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AMSC N/A

FSC 4730

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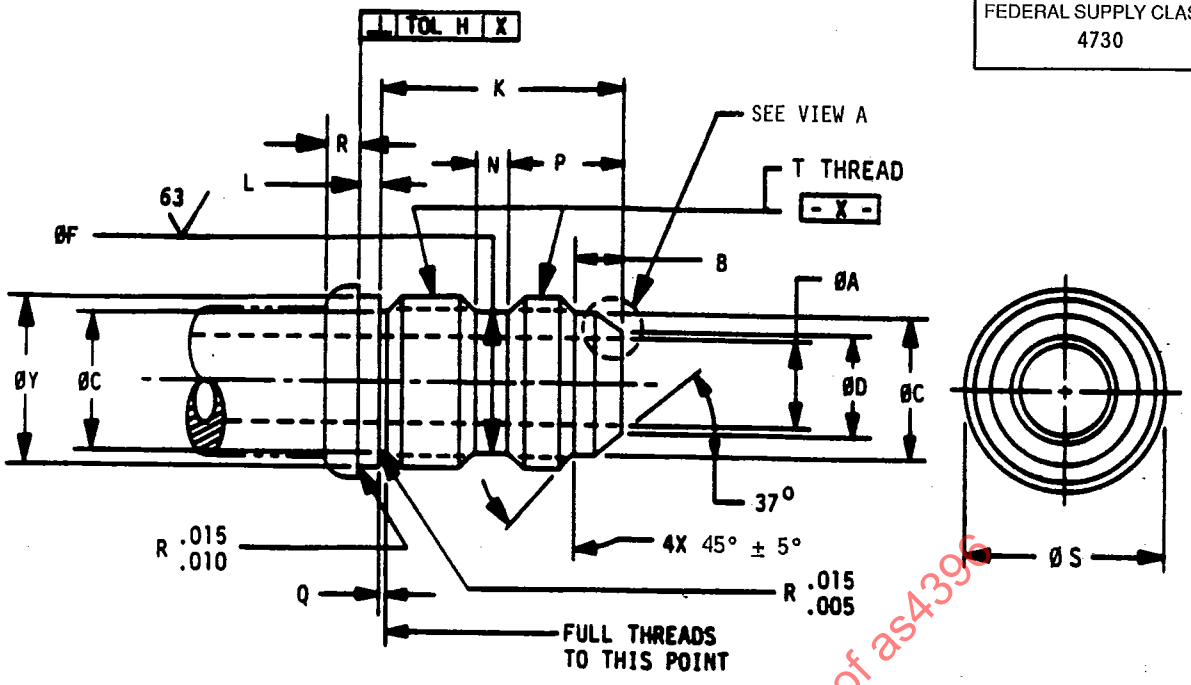


FIGURE 1 - FITTING END - STYLE S

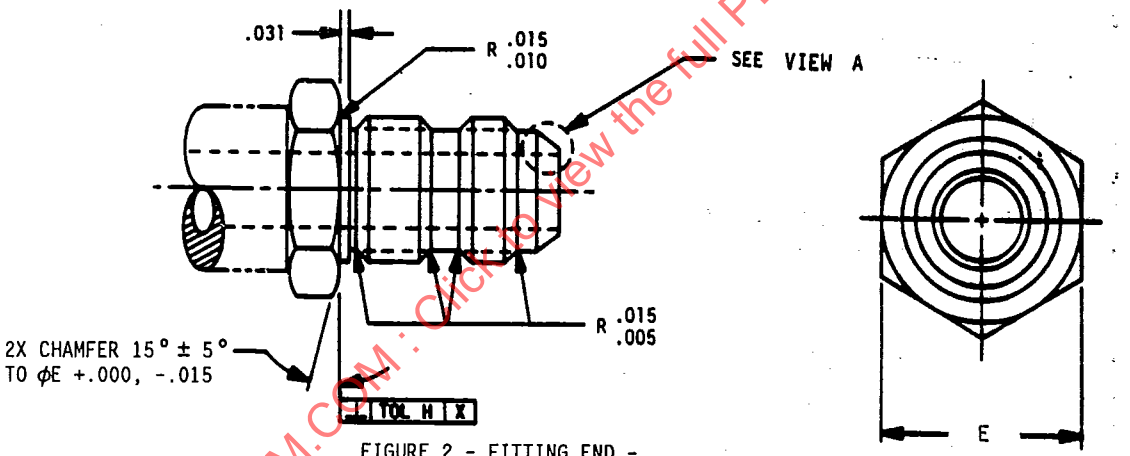


FIGURE 2 - FITTING END - STYLE E

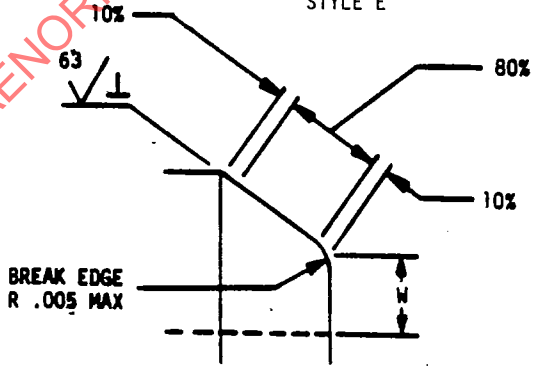
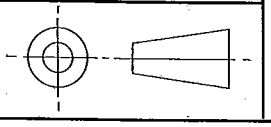


FIGURE 3 - ENLARGED VIEW A

THIRD ANGLE PROJECTION



ISSUED 1991-10-18 REVISED

CUSTODIAN: SAE G-3/G-3B

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

AEROSPACE STANDARD

FITTING END - BULKHEAD
FLARED TUBE CONNECTION,
DESIGN STANDARD

AS4396

SHEET 1 OF 3

SAE INTERNATIONAL
The Engineering Society For Advancing Mobility Land Sea Air and Space®

AEROSPACE STANDARD

FITTING END - BULKHEAD
FLARED TUBE CONNECTION,
DEED STANDARD

TABLE 1 - DIMENSIONS

SIZE NO.	TUBING OD	T THREAD MIL-S-8879	A	B +0.015/-0.000	C +0.000/-0.005	D ±0.003	E	F +0.002/-0.003	H MAX
02	0.125	0.3125-24UNJF-3A	0.065 - 0.058	0.177	0.245	0.083	0.566 - 0.559	0.250	0.005
03	0.188	0.3750-24UNJF-3A	0.128 - 0.121	0.177	0.307	0.146	0.628 - 0.621	0.312	0.005
04	0.250	0.4375-20UNJF-3A	0.175 - 0.168	0.193	0.359	0.193	0.691 - 0.684	0.364	0.005
05	0.312	0.5000-20UNJF-3A	0.237 - 0.230	0.193	0.421	0.255	0.753 - 0.746	0.426	0.005
06	0.375	0.5625-18UNJF-3A	0.301 - 0.293	0.198	0.476	0.318	0.816 - 0.809	0.481	0.005
08	0.500	0.7500-16UNJF-3A	0.395 - 0.387	0.253	0.654	0.426	1.003 - 0.996	0.660	0.005
10	0.625	0.8750-14UNJF-3A	0.488 - 0.480	0.266	0.767	0.539	1.128 - 1.121	0.773	0.005
12	0.750	1.0625-12UNJ-3A	0.614 - 0.604	0.315	0.938	0.664	1.378 - 1.371	0.945	0.008
16	1.000	1.3125-12UNJ-3A	0.851 - 0.839	0.315	1.188	0.913	1.641 - 1.609	1.195	0.008
20	1.250	1.6250-12UNJ-3A	1.086 - 1.073	0.367	1.501	1.147	1.891 - 1.859	1.507	0.008
24	1.500	1.8750-12UNJ-3A	1.320 - 1.307	0.378	1.750	1.381	2.145 - 2.105	1.756	0.008
28	1.750	2.2500-12UNJ-3A	1.557 - 1.542	0.451	2.125	1.646	2.520 - 2.480	2.131	0.008
32	2.000	2.5000-12UNJ-3A	1.791 - 1.776	0.461	2.375	1.880	2.770 - 2.730	2.381	0.008
40	2.500	3.0000-12UNJ-3A	2.291 - 2.276	0.395	2.882	2.380	3.270 - 3.230	2.881	0.008
48	3.000	3.5000-12UNJ-3A	2.791 - 2.776	0.395	3.382	2.880	3.770 - 3.730	3.381	0.008

TABLE 2 - DIMENSIONS

SIZE NO.	K	L	N +0.010/-0.000	P ±0.005	Q +0.015/-0.000	R	S	W MIN	Y MAX	Y MIN
02	0.922	0.094	0.125	0.385	0.063	0.109	0.438	0.005	0.3125	0.3053
03	0.922	0.094	0.131	0.385	0.063	0.109	0.500	0.005	0.3750	0.3678
04	1.016	0.094	0.140	0.443	0.075	0.125	0.562	0.005	0.4375	0.4294
05	1.016	0.094	0.140	0.443	0.075	0.125	0.625	0.005	0.5000	0.4919
06	1.094	0.094	0.156	0.476	0.083	0.141	0.688	0.005	0.5625	0.5538
08	1.250	0.125	0.187	0.565	0.094	0.156	0.875	0.012	0.7500	0.7406
10	1.391	0.125	0.219	0.623	0.107	0.172	1.000	0.022	0.8750	0.8647
12	1.562	0.125	0.234	0.732	0.125	0.188	1.188	0.022	1.0625	1.0511
16	1.562	0.125	0.234	0.732	0.125	0.188	1.438	0.029	1.3125	1.3011
20	1.609	0.125	0.234	0.784	0.125	0.188	1.750	0.029	1.6250	1.6136
24	1.625	0.125	0.234	0.795	0.125	0.188	2.000	0.029	1.8750	1.8636
28	1.781	0.125	0.234	0.868	0.125	0.188	2.375	0.044	2.2500	2.2386
32	1.906	0.125	0.234	0.878	0.125	0.188	2.625	0.044	2.5000	2.4886
40	1.719	0.125	0.234	0.895	0.125	0.188	3.125	0.044	3.0000	2.9886
48	1.812	0.125	0.234	0.978	0.125	0.188	3.625	0.044	3.5000	3.4886