

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 revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV.
C

AS85421/4

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS85421/4C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

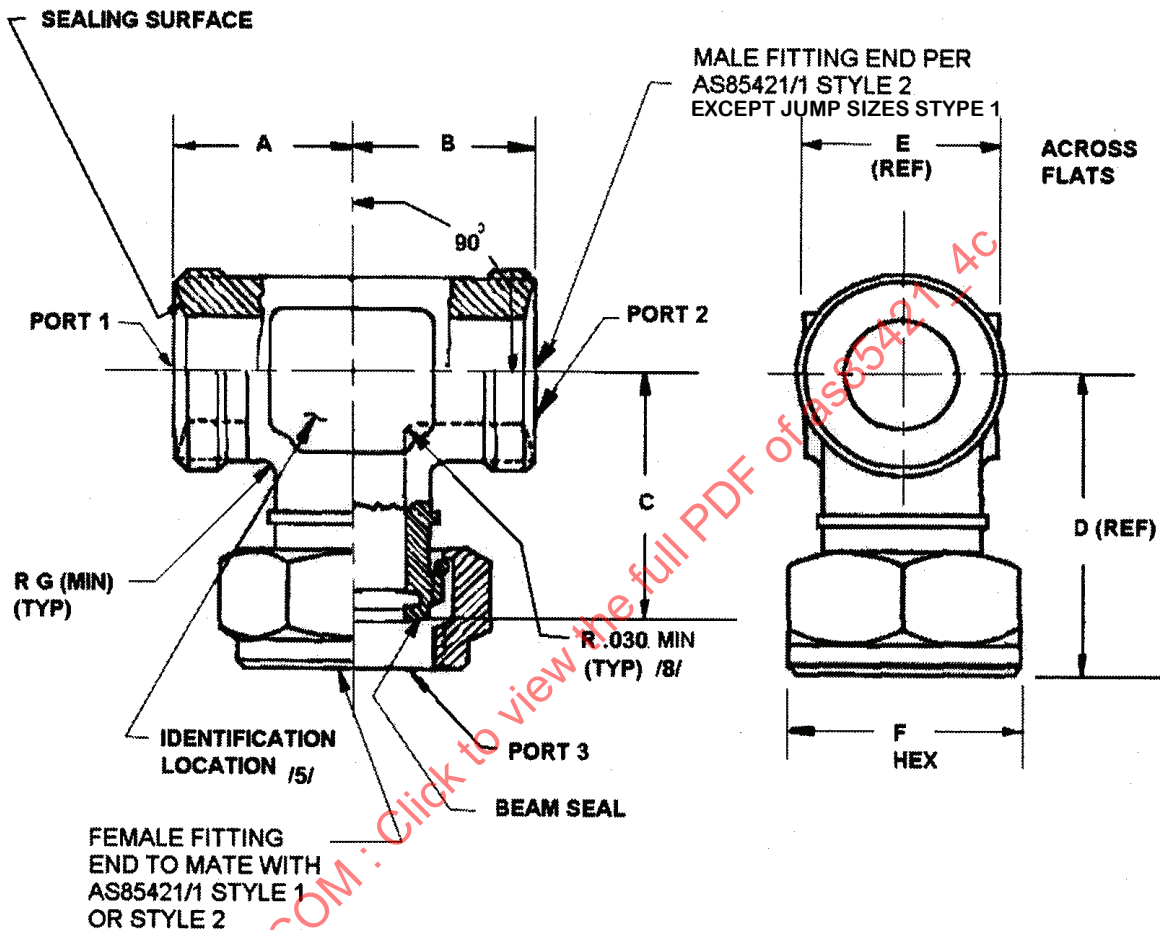
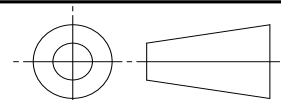


FIGURE 1

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS85421/4C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS85421 /4/



AEROSPACE STANDARD

FITTING, TEE, REDUCER AND NON-REDUCER,
BEAM SEAL, 3000/4000 PSI, MALE ON RUN,
SWIVEL NUT ON BRANCH

AS85421/4
SHEET 1 OF 3

REV.
C

Copyright 2015 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

ISSUED 2002-01 REVISED 2008-01 REAFFIRMED 2015-04

TABLE 1 - DIMENSIONAL DATA

PORT (1)	PORT (2)	PORT (3)	A	B	C	D (REF)	E (REF)	F		G RAD (MIN)	MASS, LB/EA, MAX	
								MIN	MAX		TI	CRES
04	04	04	.684	.684	.808	1.014	.500	.558	.565	.042	.056	.098
04	04	06	.684	.684	.945	1.178	.500	.684	.691	.042	.068	.118
06	06	04	.704	.704	.808	1.014	.500	.558	.565	.042	.054	.094
06	06	06	.704	.704	.945	1.178	.500	.684	.691	.042	.066	.116
06	06	08	.811	.811	1.045	1.294	.562	.871	.878	.070	.105	.184
06	06	10	.878	.878	1.178	1.485	.688	.996	1.003	.070	.151	.264
06	04	08	.811	.791	1.045	1.294	.562	.871	.878	.070	.106	.186
08	04	06	.824	.791	.945	1.178	.562	.684	.691	.070	.090	.157
08	08	08	.824	.824	1.045	1.294	.562	.871	.878	.070	.106	.186
10	10	10	.955	.955	1.178	1.485	.875	.996	1.003	.098	.148	.259
12	12	10	1.062	1.062	1.178	1.485	.875	.996	1.003	.098	.192	.338
12	12	12	1.062	1.062	1.316	1.659	.875	1.121	1.128	.098	.203	.357
16	10	10	1.246	1.158	1.275	1.582	1.125	.996	1.003	.098	.315	.555

NOTES:

/1/ MATERIAL:

- CODE LETTER P - TYPE 17-4PH CORROSION RESISTANT STEEL PER AMS 5643.
- CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928 OR AMS 4965.
- CODE LETTER V - TYPE 15-5PH, CORROSION RESISTANT STEEL PER AMS 5659.

2. HEAT TREATMENT:

- MATERIAL CODE LETTER P - CONDITION H1075 PER AMS 2759/3.
- MATERIAL CODE LETTER T - NONE.
- MATERIAL CODE LETTER V - AGE TO CONDITION H 1075 PER AMS-H-6875 OR AMS 2759/3.

3. FINISH:

- MATERIAL CODE LETTER P - PASSIVATE PER AMS 2700, TYPE 6 OR 7.
- MATERIAL CODE LETTER T - NONE.
- MATERIAL CODE LETTER V - PASSIVATE PER AMS 2700, TYPE 6 OR 7.

/4/ PROCUREMENT SPECIFICATION: AS85421 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS85421 FOR THIS STANDARD. SEE WW.EAUDITNET.COM FOR CURRENT QPL ON-LINE.

/5/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D, OR METHOPD 7A3, 15A3, OR 15B.

- FOR SIZES 06 AND SMALLER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTERS "AS" AND MATERIAL CODE LETTER, AND FORGING MANUFACTURER'S IDENTIFICATION WHEN MADE FROM FORGING.
- FOR SIZES 08 AND LARGER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER AND MATERIAL CODE LETTER, AND FORGING MANUFACTURER'S IDENTIFICATION WHEN MADE FROM FORGING.

**AEROSPACE STANDARD**

FITTING, TEE, REDUCER AND NON-REDUCER,
BEAM SEAL, 3000/4000 PSI, MALE ON RUN,
SWIVEL NUT ON BRANCH

AS85421/4
SHEET 2 OF 3

REV.
C