

REV. B

SAE AS4665

FEDERAL SUPPLY CLASS
4730

RATIONALE

CANCELED MILITARY STANDARD NUMBERS HAVE BEEN REPLACED. PRI-QPL NOTE HAS BEEN UPDATED AND CADMIUM WARNING NOTE ADDED. OTHER UPDATES.

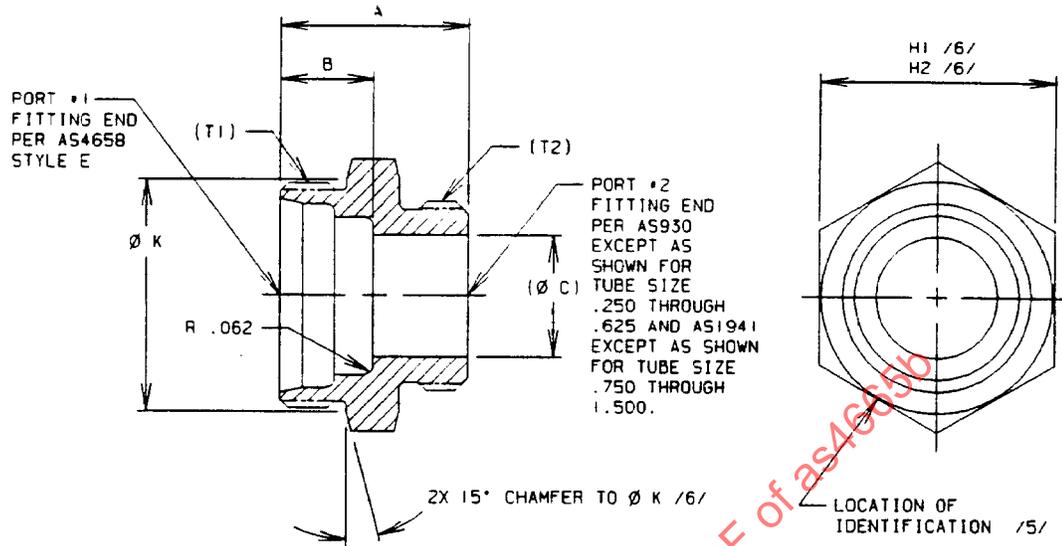


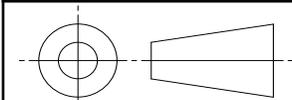
FIGURE 1 - FITTING, ADAPTER, UNION AND REDUCER

TABLE 1 - DIMENSIONS

PORT #1 SIZE /6/	A PORT #2 SIZE 04	A PORT #2 SIZE 06	A PORT #2 SIZE 08	A PORT #2 SIZE 10	A PORT #2 SIZE 12	A PORT #2 SIZE 16	A PORT #2 SIZE 20	A PORT #2 SIZE 24
20	1.238	1.238	1.278	1.278	1.451	1.520	1.520	--
24	--	--	--	--	1.514	1.583	1.583	1.614

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS4665B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING, ADAPTER, UNION AND REDUCER,
SHORT FLARELESS TO BOSS

SAE AS4665
SHEET 1 OF 3

REV. B

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

Copyright 2011 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 1992-07 REAFFIRMED 2004-07 REVISED 2011-12

TABLE 2 – PORT SIZES, CORRESPONDING, THREADS, HEX SIZES, AND HOLE DEPTH

PORT SIZE	(NOMINAL TUBE SIZE)	T1 THREAD PER AS8879 CLASS 3A	T2 THREAD PER AS8879 CLASS 3A	B	C	H1	H2	K1	K2
04	.250	--	.4375-20UNJF	--	.172	--	--	--	--
06	.375	--	.5625-18UNJF	--	.297	--	--	--	--
08	.500	--	.7500-16UNJF	--	.391	--	--	--	--
10	.625	--	.8750-14UNJF	--	.484	--	--	--	--
12	.750	--	1.0625-12UNJ	--	.609	--	--	--	--
16	1.000	--	1.3125-12UNJ	--	.845	--	--	--	--
20	1.250	1.5625-12UNJ	1.6250-12UNJ	.650	1.080	1.615-1.630	1.865-1.880	1.605	1.855
24	1.500	1.8125-12UNJ	1.8750-12UNJ	.682	1.314	1.865-1.880	2.115-2.135	1.855	2.105

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

1/ MATERIAL:

- a. CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS4928
- b. CODE LETTER V: TYPE 15-5PH CORROSION RESISTANT STEEL BAR PER AMS5659
- c. CODE LETTER W: TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124

2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER T: NONE
- b. MATERIAL CODE LETTER V: HEAT TREAT TO CONDITION H-1075 PER AMS2759/3
- c. MATERIAL CODE LETTER W: NONE

3/ FINISH:

- a. MATERIAL CODE LETTER T - FLUORIDE PHOSPHATE CONVERSION COAT PER AMS2486
- b. MATERIAL CODE LETTER V:
 - (1) V CODE PARTS TO BE PASSIVATED ONLY WILL HAVE NO FINISH CODE LETTER AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE: PASSIVATE AMS2700 TYPE 2 OR 8.
 - (2) V CODE PARTS TO BE CADMIUM PLATED ONLY WILL HAVE THE FINISH CODE LETTER "P" AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE: CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
- c. MATERIAL CODE LETTER W: ANODIZE PER AMS2472 OR PER MIL-A-8625, TYPE II, CLASS 2 DYED BROWN SIMILAR TO COLOR 10080 OF FED-STD-595

4/ PROCUREMENT SPECIFICATION: AS18280 UNLESS SPECIFIED OTHERWISE ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS18280 FOR THIS STANDARD. SEE [HTTP://WWW.EAUDITNET.COM](http://www.eauditnet.com) FOR CURRENT QPL ONLINE.

5/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D OR METHOD 7A3, 15A3, OR 15B. MANUFACTURER'S NAME, TRADEMARK OR CAGE CODE, BASIC PART NUMBER, AND MATERIAL CODE LETTER.