

SAE Executive Standards Committee 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.
A

AS6446™

FEDERAL SUPPLY CLASS
4730

RATIONALE

CORRECT TYPO FOR B1 DIMENSION IN TABLE 1A. STANDARDS UPDATED TO CURRENT NOMENCLATURE. QPL STATEMENT UPDATED TO CURRENT VERBIAGE IN THE PROCUREMENT SPECIFICATION NOTE. INVENTORIED PARTS DISPOSITION NOTE /17/ ADDED.

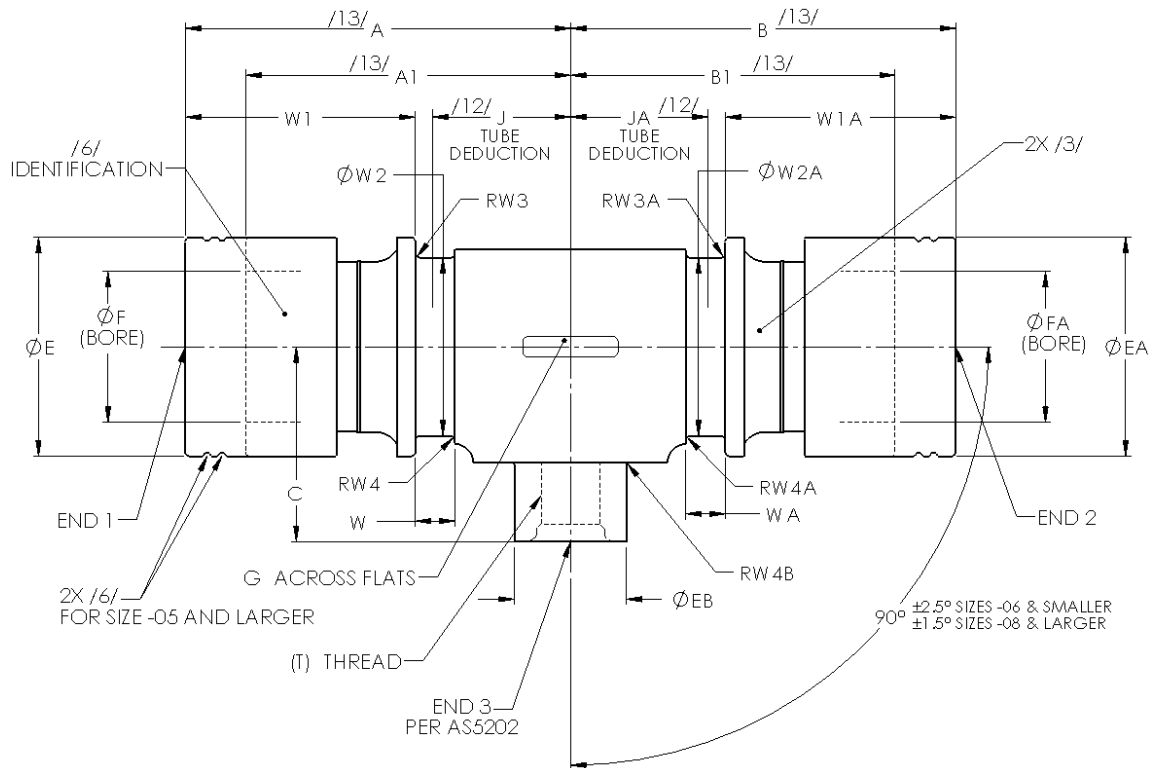
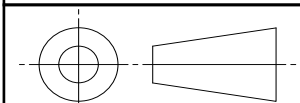


FIGURE 1 - FITTING ASSEMBLY, TEE, AXIALLY SWAGED ON THE RUN, INTERNAL PORT ON THE SIDE

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6446A/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS6116 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, TEE,
AXIALLY SWAGED ON THE RUN, INTERNAL PORT END
ON THE SIDE, HYDRAULIC, UP TO 1500 PSI

AS6446™
SHEET 1 OF 4

REV.

Copyright © 2024 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>

TABLE 1A - DIMENSIONS A-C

BASIC NO. AS6446 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	A MAX	A1 MAX	B MAX	B1 MAX	C ±.015
080804	.500	.500	.250	1.725	1.465	1.725	1.465	1.015
101004	.625	.625	.250	1.805	1.565	1.805	1.565	1.150
121204	.750	.750	.250	2.050	1.770	2.050	1.770	1.200
161604	1.000	1.000	.250	2.615	2.235	2.615	2.235	1.307
161604E	1.000	1.000	.250	2.615	2.235	2.615	2.235	1.555
161606	1.000	1.000	.375	2.615	2.235	2.615	2.235	1.200
202004	1.250	1.250	.250	3.060	2.645	3.060	2.645	1.700

TABLE 1B - DIMENSIONS E-G

BASIC NO. AS6446 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	ØE MAX	ØEA MAX	ØEB ±.015	ØF MIN	ØFA MIN	G ±.015
080804	.500	.500	.250	.755	.755	.750	.503	.503	.750
101004	.625	.625	.250	.929	.929	.750	.629	.629	.875
121204	.750	.750	.250	1.150	1.150	.750	.754	.754	1.063
161604	1.000	1.000	.250	1.474	1.474	.750	1.004	1.004	1.304
161604E	1.000	1.000	.250	1.474	1.474	.750	1.004	1.004	1.304
161606	1.000	1.000	.375	1.474	1.474	.875	1.004	1.004	1.304
202004	1.250	1.250	.250	1.768	1.768	.750	1.255	1.255	1.618

TABLE 1C - DIMENSIONS J-T

BASIC NO. AS6446 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	J /12/ TUBE DEDUCTION	JA /12/ TUBE DEDUCTION	(T) THREAD PER AS8879
080804	.500	.500	.250	.550 +.150/- .210	.550 +.150/- .210	.4375-20 UNJF-3B
101004	.625	.625	.250	.625 +.150/- .200	.625 +.150/- .200	.4375-20 UNJF-3B
121204	.750	.750	.250	.730 +.150/- .245	.730 +.150/- .245	.4375-20 UNJF-3B
161604	1.000	1.000	.250	.925 +.150/- .330	.925 +.150/- .330	.4375-20 UNJF-3B
161604E	1.000	1.000	.250	.925 +.150/- .330	.925 +.150/- .330	.4375-20 UNJF-3B
161606	1.000	1.000	.375	.925 +.150/- .330	.925 +.150/- .330	.5625-18 UNJF-3B
202004	1.250	1.250	.250	1.095 +.150/- .375	1.095 +.150/- .375	.4375-20 UNJF-3B

TABLE 1D - DIMENSIONS W-W2A

BASIC NO. AS6446 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	W MIN	WA MIN	W1 MAX	W1A MAX	ØW2 ±.002	ØW2A ±.002
080804	.500	.500	.250	.210	.210	1.076	1.076	.595	.595
101004	.625	.625	.250	.225	.225	1.076	1.076	.758	.758
121204	.750	.750	.250	.235	.235	1.201	1.201	.903	.903
161604	1.000	1.000	.250	.260	.260	1.566	1.566	1.196	1.196
161604E	1.000	1.000	.250	.260	.260	1.566	1.566	1.196	1.196
161606	1.000	1.000	.375	.260	.260	1.566	1.566	1.196	1.196
202004	1.250	1.250	.250	.285	.285	1.829	1.829	1.460	1.460

TABLE 1E - DIMENSIONS W3-W4B AND WEIGHTS

BASIC NO. AS6446 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	NOMINAL TUBE SIZE END 3	W3 MAX	W3A MAX	W4 MAX	W4A MAX	W4B MAX	WEIGHT APPROX LB/EA
080804	.500	.500	.250	.020	.020	.020	.020	--	.080
101004	.625	.625	.250	.020	.020	.020	.020	.020	.110
121204	.750	.750	.250	.025	.025	.025	.025	.020	.180
161604	1.000	1.000	.250	.035	.035	.035	.035	.020	.350
161604E	1.000	1.000	.250	.035	.035	.035	.035	.020	.357
161606	1.000	1.000	.375	.035	.035	.035	.035	.020	.350
202004	1.250	1.250	.250	.035	.035	.035	.035	.020	.570

	AEROSPACE STANDARD	AS6446™ SHEET 2 OF 4	REV. A
	FITTING ASSEMBLY, TEE, AXIALLY SWAGED ON THE RUN, INTERNAL PORT END ON THE SIDE, HYDRAULIC, UP TO 1500 PSI		

