

REV.
A

AS4130

FEDERAL SUPPLY CLASS
4730

NOTE

THIS DOCUMENT INCLUDES CADMIUM AS A PLATING MATERIAL. THE USE OF CADMIUM HAS BEEN RESTRICTED AND/OR BANNED FOR USE IN MANY COUNTRIES DUE TO ENVIRONMENTAL AND HEALTH CONCERNS. THE USER SHOULD CONSULT WITH LOCAL OFFICIALS ON APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS REGARDING ITS USE.

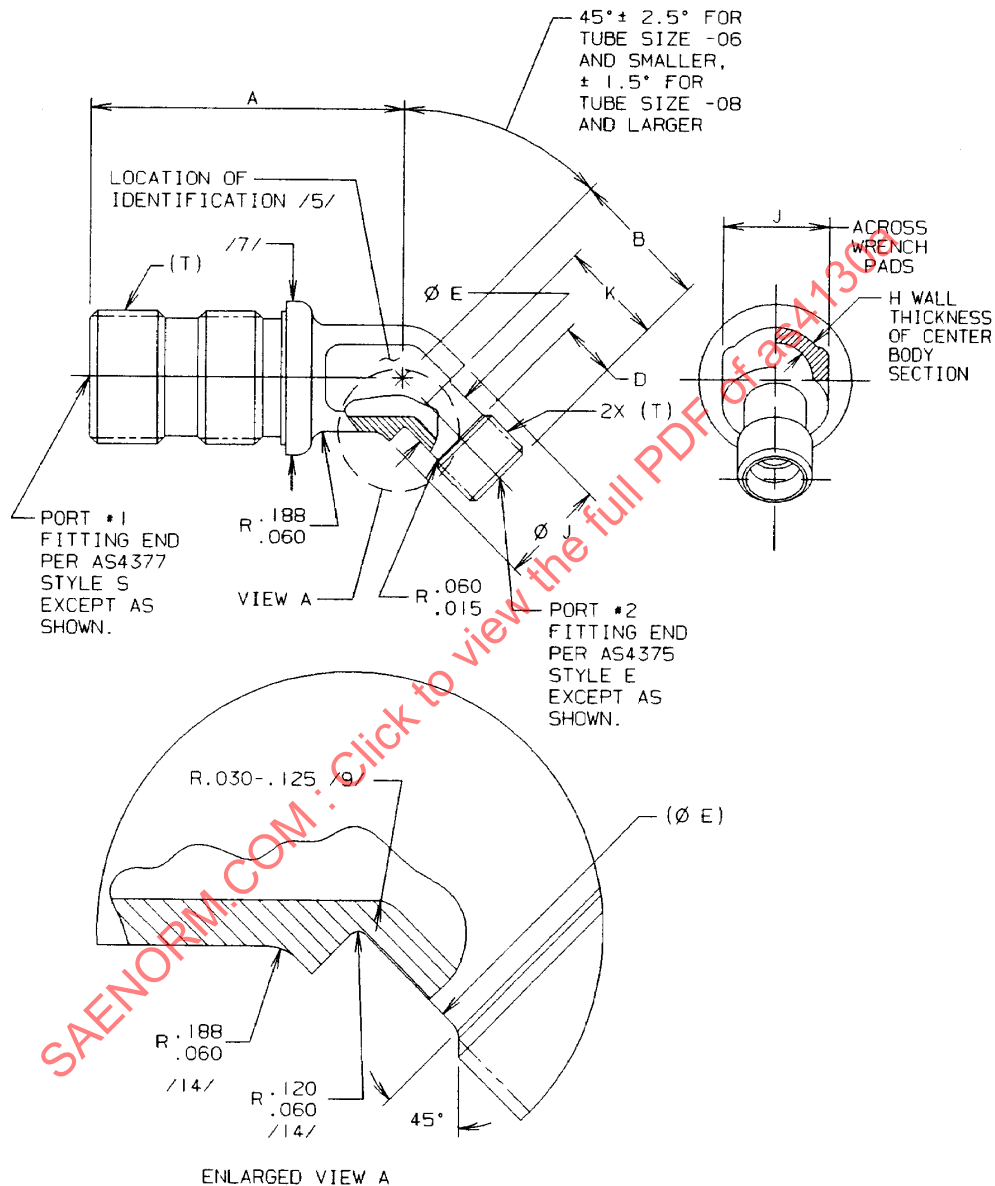
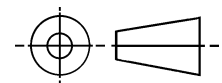


FIGURE 1 - ELBOW, 45°, BULKHEAD, REDUCED BODY, FLARELESS

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS18280

SAE Aerospace
An SAE International Group**AEROSPACE STANDARD**ELBOW, 45°, BULKHEAD,
REDUCED BODY, FLARELESS**AS4130**
SHEET 1 OF 4**REV.
A**

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.

Copyright 2004 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: 724-776-4970 (outside USA)
Email: custsvcs@sae.org

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

ISSUED 1992-11 REVISED 2004-01

REV.
A

AS4130

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. AS4130 /20/ SIZE CODE	H MIN	J	LB/EA MAX CRES	LB/EA MAX TI
04	.050	.390	.060	.034
05	.050	.453	.072	.040
06	.050	.453	.090	.051
08	.050	.577	.169	.097
10	.070	.702	.301	.172
12	.080	.890	.432	.248
16	.090	1.140	.565	.325
20	.110	1.390	1.123	.651
24	.130	1.640	1.412	.817

TABLE 2 - LEG LENGTH A

FORGING SIZE	04	05	06	08	10	12	16	20	24
04	1.477	---	---	---	---	---	---	---	---
05	1.477	1.477	---	---	---	---	---	---	---
06	1.540	1.540	1.586	---	---	---	---	---	---
08	1.618	1.618	1.664	1.836	---	---	---	---	---
10	1.711	1.711	1.757	1.929	2.070	---	---	---	---
12	1.805	1.805	1.851	2.023	2.164	2.273	---	---	---
16	1.930	1.930	1.976	2.148	2.289	2.398	2.398	---	---
20	1.962	1.962	2.008	2.180	2.321	2.430	2.430	2.430	---
24	1.977	1.977	2.023	2.195	2.336	2.445	2.445	2.445	2.445

TABLE 3 - LEG LENGTH B

FORGING SIZE	04	05	06	08	10	12	16	20	24
04	.711	---	---	---	---	---	---	---	---
05	.742	.742	---	---	---	---	---	---	---
06	.820	.820	.836	---	---	---	---	---	---
08	.883	.883	.899	.992	---	---	---	---	---
10	.914	.914	.930	1.023	1.086	---	---	---	---
12	1.038	1.038	1.054	1.147	1.210	1.273	---	---	---
16	1.132	1.132	1.148	1.241	1.304	1.367	1.367	---	---
20	1.226	1.226	1.242	1.355	1.398	1.461	1.461	1.461	---
24	1.320	1.320	1.336	1.429	1.492	1.555	1.555	1.555	1.555

AS4130

FORGING SIZE	04	05	06	08	10	12	16	20
04	.540	---	---	---	---	---	---	---
05	.560	---	---	---	---	---	---	---
06	.635	.635	---	---	---	---	---	---
08	.635	.635	.635	---	---	---	---	---
10	.635	.685	.685	.735	---	---	---	---
12	.635	.635	.685	.785	.835	---	---	---
16	.735	.735	.735	.835	.885	.985	---	---
20	.775	.775	.785	.885	.930	1.000	1.000	---
24	.820	.820	.825	.915	.970	1.040	1.040	1.040

SIZE CODE	TUBE OD	T THREAD PER AS8879 CLASS 3A	D	E
04	.250	.4375-20UNJF	.371	.350
05	.313	.5000-20UNJF	.371	.412
06	.375	.5625-18UNJF	.379	.453
08	.500	.7500-16UNJF	.461	.577
10	.625	.8750-14UNJF	.511	.702
12	.750	1.0625-12UNJ	.556	.890
16	1.000	1.3125-12UNJ	.556	1.140
20	1.250	1.6250-12UNJ	.556	1.390
24	1.500	1.8750-12UNJ	.556	1.640

/1/ MATERIAL:

- ## 2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER J: NONE
b. MATERIAL CODE LETTER T: NONE
c. MATERIAL CODE LETTER V: HEAT TREAT TO CONDITION H-1075 PER AMS 2759/3

/3/ FINISH:

- a. MATERIAL CODE LETTER J: PASSIVATE PER AMS-QQ-P-35 TYPE VI OR TYPE VII
- b. MATERIAL CODE LETTER T: FLUORIDE PHOSPHATE CONVERSION COAT PER AMS 2486
- c. MATERIAL CODE LETTER V:

- (1) NO SUFFIX FINISH CODE LETTER: PASSIVATE PER AMS-QQ-P-35, TYPE II OR VIII
- (2) SUFFIX FINISH CODE LETTER "P": CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2