

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.
F

AS21908™

FEDERAL SUPPLY CLASS
4730

RATIONALE

ADD NOTE: "WHEN MACHINED FROM BAR OR OVERSIZE FORGING, THE CENTER BODY DIMENSIONS SHALL CONFORM TO AS1376, TABLE 1". "INACTIVE" REMOVED FROM MATERIAL CODE "S" AND REPLACED BY EXPLANATORY NOTE /17D/. UPDATE PROCUREMENT SPECIFICATION NOTE TO CURRENT VERBIAGE.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS21908 AND RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

PROCUREMENT OF MS21908 PART NUMBERS TO THIS "AS" STANDARD MAY RESULT IN LOSS OF CONFIGURATION CONTROL WHERE DIFFERENCES IN THE CANCELLED MIL-F-18280 AND THE SUPERSEDING AS18280 PROCUREMENT SPECIFICATIONS EXIST. AS1008 IS A RECOMMENDED REPLACEMENT STANDARD THAT ELIMINATES THIS PROBLEM.

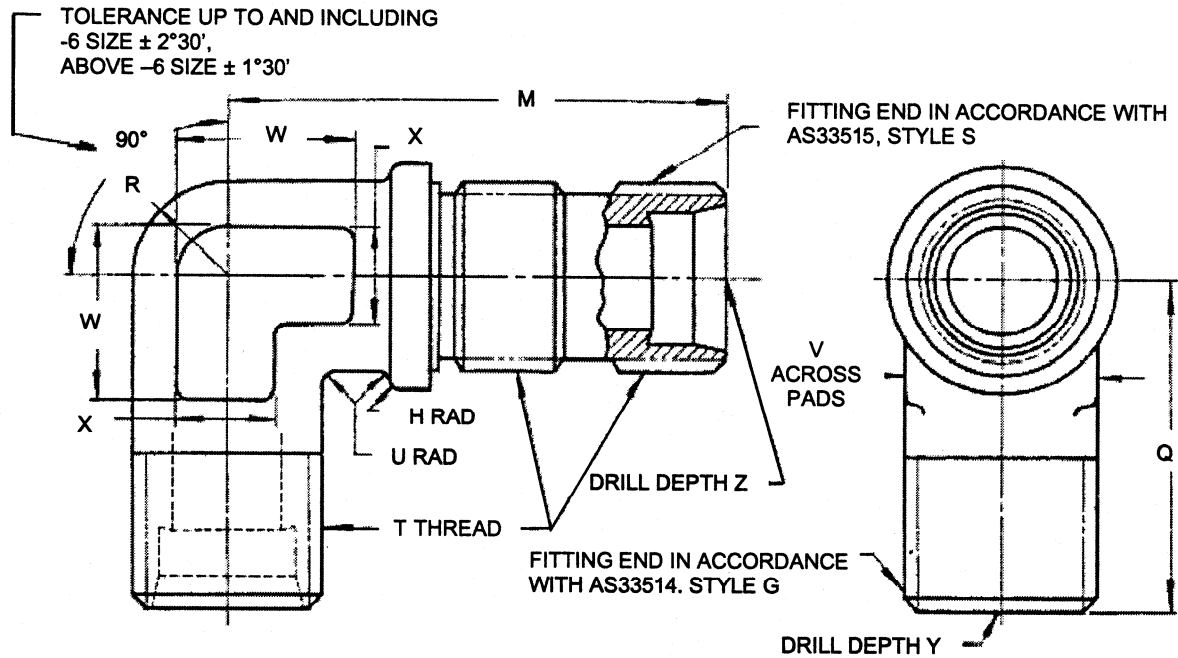
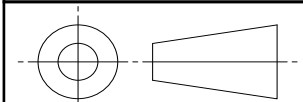


FIGURE 1 - ELBOW, BULKHEAD UNIVERSAL 90°, FLARELESS TUBE

For more information on this standard, visit
<https://www.sae.org/standards/content/AS21908F/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /10/



AEROSPACE STANDARD

ELBOW,
BULKHEAD UNIVERSAL 90°,
FLARELESS TUBE

AS21908™
SHEET 1 OF 4

REV.
F

Copyright © 2023 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 H-R

DASH NO. /5/	NOMINAL		H RAD	M +.047 -.000	Q +.047 -.000	R RAD
	TUBE SIZE REF	(T) THREAD AS8879				
-2	.125	.3125-24 UNJF-3A	.063	1.313	.781	.156
-3	.188	.3750-24 UNJF-3A	.063	1.391	.906	.188
-4	.250	.4375-20 UNJF-3A	.063	1.500	.938	.219
-5	.313	.5000-20 UNJF-3A	.094	1.531	1.031	.250
-6	.375	.5625-18 UNJF-3A	.094	1.688	1.063	.281
-8	.500	.7500-16 UNJF-3A	.094	1.969	1.313	.375
-10	.625	.8750-14 UNJF-3A	.094	2.250	1.500	.438
-12	.750	1.0625-12 UNJ-3A	.094	2.469	1.625	.531
-16	1.000	1.3125-12 UNJ-3A	.125	2.594	1.719	.656
-20	1.250	1.6250-12 UNJ-3A	.125	2.875	2.000	.813
-24	1.500	1.8750-12 UNJ-3A	.125	3.156	2.188	.938
-32	2.000	2.5000-12 UNJ-3A	.125	3.750	2.375	1.250

TABLE 1B - DIMENSIONS U-Z

DASH NO. /5/	U RAD	V	W APPROX	X APPROX	Y +.047 -.000	Z +.047 -.000	WEIGHT, LB/EA, APPROX, REF		
							STEEL	AL ALLOY	TI ALLOY
-2	.063	.313	.313	.188	.813	1.344	.048	.017	.027
-3	.063	.375	.313	.250	.938	1.422	.064	.023	.036
-4	.063	.438	.375	.250	.969	1.531	.071	.025	.040
-5	.063	.500	.500	.313	1.063	1.563	.102	.038	.058
-6	.094	.563	.500	.313	1.094	1.719	.123	.054	.070
-8	.094	.750	.625	.438	1.344	2.000	.237	.091	.136
-10	.125	.875	.750	.438	1.563	2.344	.400	.133	.230
-12	.125	1.063	.875	.500	1.719	2.578	.530	.190	.305
-16	.125	1.313	1.063	.625	1.813	2.688	.920	.310	.530
-20	.188	1.625	1.250	.750	2.125	3.000	1.330	.524	.767
-24	.188	1.875	1.438	.875	2.359	3.359	1.960	.700	1.130
-32	.188	2.563	1.938	1.188	2.438	4.063			

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:

REFER TO PROCUREMENT SPECIFICATION
 ALLOY STEEL
 ALUMINUM ALLOY
 CORROSION RESISTANT STEEL
 TITANIUM ALLOY

2. FINISH: REFER TO PROCUREMENT SPECIFICATION.

3. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.

4. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .016$, ANGLES $\pm 0^{\circ}30'$.

	AEROSPACE STANDARD		AS21908™ SHEET 2 OF 4	REV. F
	ELBOW, BULKHEAD UNIVERSAL 90°, FLARELESS TUBE			



Documents

Document Sharing Hub