

SAE-AS21925

## ADOPTION NOTICE

SAE-AS21925, "Elbow, 90° Universal, Flareless Tube, High Profile", was adopted on 14 August 1998, for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Commander, Naval Air Warfare Center Aircraft Division, Code 414100B120-3, Highway 547, Lakehurst, NJ 08733-5100. DoD activities may obtain copies of this standard from the DODSSP, Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. The private sector and other government agencies may purchase copies from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

SAE-AS21925 should be used instead of MS21925.

## Custodians:

Army - AV

Navy - AS

Air Force - 99

Adopting Activity

Navy - AS

(Project 4730-1021)

SAENORM.COM : Click to view the full PDF of as21925

FSC 4730

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

Submitted for recognition as an American National Standard

FEDERAL SUPPLY CLASS  
4730

**AS21925**

**NOTICE**

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS21925B, NOTICE 1 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS21925B, NOTICE 1. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

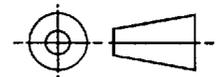
THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL REPORT.

SAENORM.COM : Click to view the full PDF of as21925

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.

THIRD ANGLE PROJECTION



ISSUED 1998-07

PREPARED BY COMMITTEE G-3

PROCUREMENT SPECIFICATION: MIL-F-18280



**AEROSPACE STANDARD**

ELBOW, 90° UNIVERSAL, FLARELESS TUBE,  
HIGH PROFILE

**AS21925**  
SHEET 1 OF 3

Copyright 1998 Society of Automotive Engineers, Inc.  
All rights reserved.

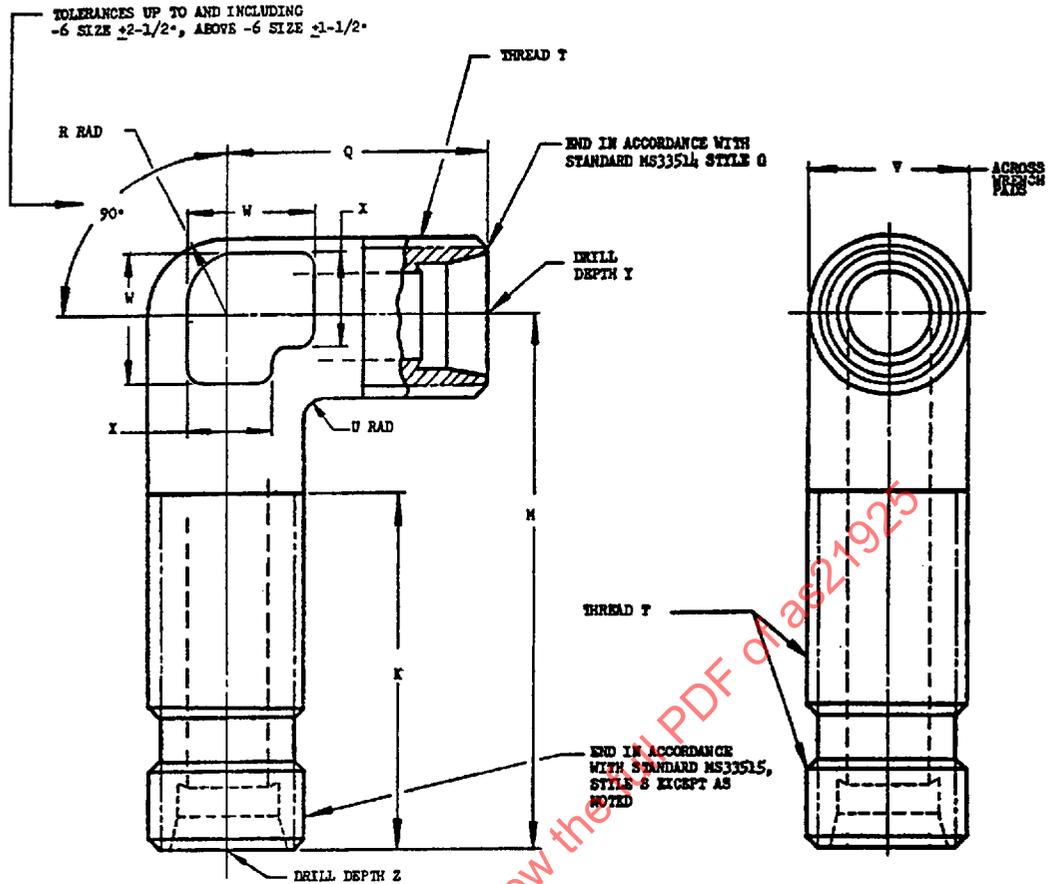
Printed in the U.S.A.

QUESTIONS REGARDING THIS DOCUMENT: (724) 772-8510  
TO PLACE A DOCUMENT ORDER: (724) 776-4970

FAX: (724) 776-0243  
FAX: (724) 776-0790

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

AS21925



DASH NO.	TUBE OD	THREAD T MIL-S-8879	K MIN FULL THD	M +.047 -0.000	Q +.047 -0.000	R	U	V	W APPROX	X APPROX	Y +.047 -0.000	Z +.047 -0.000	WT LB MAX		
													STEEL	ALUM ALLOY	TI ALLOY
-4	1/8	.4375-20 UNJF-3A	.81	1.756	.940	.218	.062	.437	.375	.250	.960	1.790	.085	.031	.049
-5	5/16	.5000-20 UNJF-3A	.85	1.846	1.030	.250		.500	.500	.312	1.062	1.880			
-6	3/8	.5625-18 UNJF-3A	.85	2.076	1.060	.281		.562	.500	.312	1.094	2.110	.148	.054	.085
-8	1/2	.7500-16 UNJF-3A	1.01	2.545	1.310	.375	.093	.750	.625	.438	1.344	2.580	.319	.117	.184
-10	5/8	.8750-14 UNJF-3A	1.14	3.065	1.500	.437		.875	.750	.438	1.562	3.130			
-12	3/4	1.0625-12 UNJ-3A	1.25	3.375	1.620	.531	.125	1.060	.875	.500	1.719	3.470			
-16	1	1.3125-12 UNJ-3A	1.25	3.755	1.720	.656		1.310	1.062	.625	1.812	3.850	1.203	.442	.694
-20	1-1/4	1.6250-12 UNJ-3A	1.25	4.335	2.000	.812	.187	1.620	1.250	.750	2.125	4.460			

- MATERIAL CARBON STEEL - FORGINGS  
ALUMINUM ALLOY - FORGINGS  
CORROSION RESISTANT STEEL - FORGINGS  
TITANIUM ALLOY - FORGINGS

SEE PROCUREMENT SPECIFICATION  
NOTE: PARTS MADE FROM 1137 OR 1141  
FORGINGS QUALIFIED TO MIL-F-18280C  
SHALL NOT BE SUPPLIED AFTER 30 JUNE  
1984.
- FINISH: SEE PROCUREMENT SPECIFICATION.
- BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.
- DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±0.16.