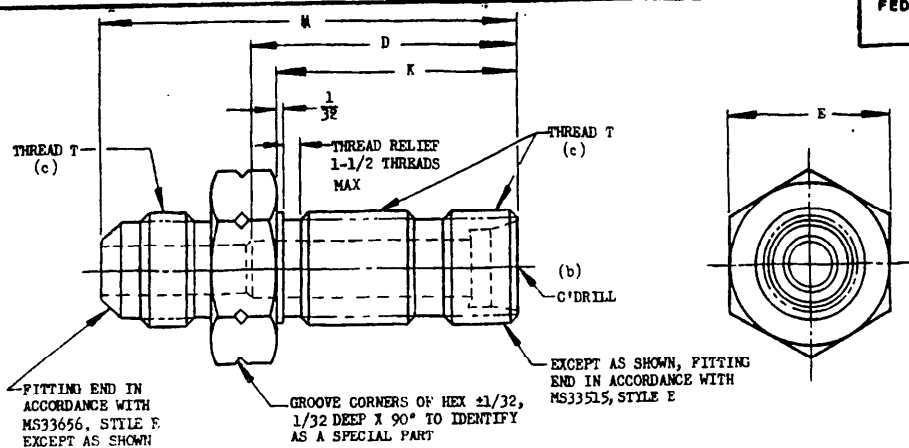


Review activities:
 Navy - AS
 USAF - 82, 11
 Army - AV, MC, MI
 DSA - CS

Use activities:
 Navy - OS
 Army - OL, EL, ME, AT

This military standard is approved by the Department of Defense and is mandatory on all activities. Subsequent to all new engineering and design applications and for repetitive use shall be made from this document.



DASH NO.	TUBE OD	THREAD T (c) MIL-S-8879	D	(a) E	H	K	WT STEEL	LB AL ALLOY	MAX
-2	1/8	.3125-24 UNF-3A	1- 1/8	9/16	1-23/32	1- 3/64	.042	.016	
-3	3/16	.3750-24 UNF-3A	1- 1/4	5/8	1-23/16	1- 3/32	.048	.017	
-4	1/4	.4375-28 UNF-3A	1- 9/32	11/16	1-15/16	1- 5/32	.065	.023	
-5	5/16	.5000-20 UNF-3A	---	3/4	1-31/32	1-13/64	.090	.031	
-6	3/8	.5625-18 UNF-3A	---	13/16	2- 5/16	1-11/32	.110	.039	
-8	1/2	.7500-16 UNF-3A	1-17/32	1	2- 5/16	1-11/32	.192	.066	
-10	5/8	.8750-14 UNF-3A	1-21/32	1- 1/8	2- 9/16	1-31/64	.280	.094	
-12	3/4	1.0625-12 UNF-3A	---	1- 3/8	2-27/32	---	.442	.148	
-16	1	1.3125-12 UNF-3A	1-25/32	1- 5/8	2- 7/8	1-19/32	.560	.196	
-20	1-1/4	1.6250-12 UNF-3A	---	1- 7/8	2-59/64	---	.820	.298	
-24	1-1/2	1.8750-12 UNF-3A	---	2- 1/8	3- 1/16	---	1.014	.372	
-28	1-3/4	2.2500-12 UNF-3A	1- 7/8	2- 1/2	3- 1/4	1-43/64	---	---	

- (a) FOR HEX DIMENSIONS AND TOLERANCES, USE MS33515, STYLE E.
 (b) C DRILL IS ONLY FROM THE END OF THE LARGER DRILL. AT THE OPTION OF THE MANUFACTURER, THE SMALLER DIA MAY BE DRILLED THROUGH THE FITTING FROM END TO END.
 (c) PARTS WITH THREADS IN ACCORDANCE WITH MIL-S-8879 OF THE SAME THREAD SIZE, PITCH AND TOLERANCE CLASS ARE ACCEPTABLE FOR PROCUREMENT UNTIL 1 JULY 1971. BUT PARTS WITH MIL-S-8879 THREADS WILL NOT BE PROCURED THEREAFTER. EXISTING STOCKS ARE TO BE USED UNTIL EXHAUSTED.

- MATERIAL: 304L STAINLESS STEEL - BARS
 ALUMINUM ALLOY - BARS
 CORROSION RESISTANT STEEL - BARS
 SEE PROCUREMENT SPECIFICATION.
- FINISH: SEE PROCUREMENT SPECIFICATION.
- BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.
- DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS ±1/64, ANGLES ±1/28.
- PART NUMBERS:
 NO CODE LETTER IN PART NUMBER FOR CARBON STEEL.
 ADD D IN PLACE OF DASH FOR ALUMINUM ALLOY (2024).
 ADD W IN PLACE OF DASH FOR ALUMINUM ALLOY (7075).
 ADD C AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL, TYPE 304, 304L, 304, 316 OR 316L.
 ADD J IN PLACE OF DASH FOR CORROSION RESISTANT STEEL, TYPE 304.
 ADD K IN PLACE OF DASH FOR CORROSION RESISTANT STEEL, TYPE 316.
 ADD S AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL, TYPE 304L AND 316L. PARTS ARE NOT TO BE MANUFACTURED FROM TYPE 304L STEEL AFTER 27 JUNE 1969.
 EXAMPLES OF PART NUMBERS:
 MS21901-4 - ADAPTER, 1/4 TUBING, CARBON STEEL.
 MS21901-4A - ADAPTER, 1/4 TUBING, ALUMINUM ALLOY (2024).
 MS21901-4W - ADAPTER, 1/4 TUBING, ALUMINUM ALLOY (7075).
 MS21901-4C - ADAPTER, 1/4 TUBING, CORROSION RESISTANT STEEL, TYPE 304.
 MS21901-4J - ADAPTER, 1/4 TUBING, CORROSION RESISTANT STEEL, TYPE 316.
 MS21901-4S - ADAPTER, 1/4 TUBING, CORROSION RESISTANT STEEL, TYPE 347.
 PARTS CODED C ARE CANCELLED AFTER 27 JUNE 1969. PARTS CODED C MAY BE USED UNTIL STOCKS ARE EXHAUSTED. PARTS CODED J OR K MAY BE USED IN LIEU OF PARTS CODED C.
- CERTAIN PROVISIONS (SCREW THREADS, HEXAGON SIZE AND UNDERCUT DIMENSIONS) OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASSC ADR STD 17/15. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL AFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.

INACTIVE FOR DESIGN AFTER 2 MAY 1956. USE MS21923.

ENTIRE STANDARD REVISED.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

P.A. Navy - AS Other Cust USAF - 82 Army - AV	INTERNATIONAL INTEREST (SEE NOTE)	TITLE ADAPTER, FLARELESS TUBE FOR 3/8 BULKHEAD AND UNIVERSAL TO AN FLARED TUBE	MILITARY STANDARD MS21901
PROCUREMENT SPECIFICATION MIL-P-18280	SUPERSEDES:		SHEET 1 OF 1

DD FORM 672-1 (Coordinated)
 1 SEP 57
 ASG use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 1 OCT 51
 REVISED 28 JUN 54
 B 2 MAY 56
 C 27 JUNE 69