

User activities: Navy - OS
Army - CL, CR, ME, AT

Review activities: USAF - 11
Army - AR, M1
DLA - CS

This military standard is approved by the Department of Defense and is applicable to all activities. Selection for all new engineering and design specifications and for repetitive use shall be made from this document.

FED. SUP CLASS																	
4730																	
DASH NO.	TUBE OD	THREAD T MIL-S-8879	B MIN	J +3/64 -0	K +3/64 -0	Q +3/64 -0	R +3/64 -0	U RAD	V	W APPROX	X APPROX	Y +3/64 -0	Z DIA	WT STEEL	LB AL ALLOY	MAX TI ALLOY	
-2	1/8	.3125-24 UNJF-3A	.375	23/32	5/8	27/32	1- 3/8	1/16	1/2	15/32	5/16	27/32	9/16	.051	.018	.029	
-3	3/16	.3750-24 UNJF-3A	.406	13/16	11/16	29/32	1-29/64		9/16	1/2		29/32	5/8	.103	.039	.060	
-4	1/4	.4375-20 UNJF-3A	.438	29/32	3/4	1- 3/32	1-43/64	3/32	3/4	11/16	7/16	1- 3/32	3/4	.206	.067	.118	
-5	5/16	.5000-20 UNJF-3A		15/16										.230	.075	.132	
-6	3/8	.5625-18 UNJF-3A	.469	1- 1/32	13/16	1- 5/32	1-57/64		7/8	25/32		1- 3/16	7/8	.283	.112	.163	
-8	1/2	.7500-16 UNJF-3A	.562	1- 1/4	1	1-11/32	2- 1/32		1-1/16	29/32	1/2	1- 3/8	1- 1/16	.360	.148	.207	
-10	5/8	.8750-14 UNJF-3A	.625	1-15/32	1- 5/32	1- 1/2	2- 1/4					1- 5/8	1- 3/16	.450	.179	.259	
-12	3/4	1.0625-12 UNJ-3A		1- 3/4	1-11/32	1-41/64	2- 7/16	1/8	1-5/16	1- 3/32	5/8	1-45/64	1- 7/16	.850	.284	.490	
-16	1	1.3125-12 UNJ-3A	.688	2- 1/16	1-17/32	1-27/32	2-21/32		1-5/8	1- 5/16	3/4	1- 7/8	1-11/16	1.100	.410	.634	
-20	1-1/4	1.6250-12 UNJ-3A		2- 5/16	1-23/32	1-63/64	2-51/64		1-7/8	1- 1/2	7/8	1-63/64	2	1.540	.600	.888	
<p>(R) PARTS WITH THREADS IN ACCORDANCE WITH MIL-C-7742 OF THE SAME THREAD SIZE, PITCH AND TOLERANCE CLASS ARE ACCEPTABLE FOR PROCUREMENT UNTIL 1 JULY 1993, BUT PARTS WITH MIL-C-7742 THREADS WILL NOT BE PROCURED THEREAFTER. EXISTING STOCKS ARE TO BE USED UNTIL EXHAUSTED.</p> <p>(H) PARTS WITH BOSS IN ACCORDANCE WITH AN10060 FOR THE APPLICABLE TUBE SIZE ARE ACCEPTABLE FOR PROCUREMENT UNTIL 1 JULY 1993, BUT PARTS WITH THE AN10060 BOSS WILL NOT BE PROCURED THEREAFTER. EXISTING STOCKS ARE TO BE USED UNTIL EXHAUSTED.</p>																	
(B) DENOTES CHANGES																	
P.A. Navy - AS Other Code USAF - 99 Army - AV		INTERNATIONAL INTEREST SEE NOTE 7	TITLE TEE, BULGEHEAD, FLARELESS TUBE, INTERNAL THREAD ON RUN										MILITARY STANDARD MS21911				
PROCUREMENT SPECIFICATION MIL-P-18280		SUPERSEDES										SHEET 1 OF 2					

FED. SUP CLASS

473

N. TEL:

1. MATERIAL: STEEL - FORGINGS
ALUMINUM ALLOY - FORGINGS
CORROSION RESISTANT STEEL - FORGINGS
(H) TITANIUM ALLOY - FORGINGS

(H) SEE PROCUREMENT SPECIFICATION

NOTE: PARTS MADE FROM 1137 OR 1141 FORGINGS QUALIFIED TO MIL-F-18280C SHALL NOT BE SUPPLIED AFTER 30 JUNE 1984.

2. FINISH: SEE PROCUREMENT SPECIFICATION.
3. BREAK ALL CHAMF EDGES AND REMOVE ALL BURR AND SLIVERS.
4. DIMENSION IN INCHES, UNLESS OTHERWISE SPECIFIED. TOLERANCES: FRACTION .12/64.
5. PART NUMBERS:

NO CODE LETTER IN PART NUMBER FOR CARBON STEEL.

ADD T IN PLACE OF DASH FOR ALUMINUM ALLOY (2014).

ADD W IN PLACE OF DASH FOR ALUMINUM ALLOY (2024).

~~ADD C AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL, TYPE 302, 303, 304, 316, OR 317.~~

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 304 AND 316. PARTS ARE NOT TO BE MANUFACTURED

FROM TYPE 304L STEEL AFTER 27 JUNE 1969.

- (H) ADD T AFTER DASH NUMBER FOR TITANIUM ALLOY (6AL-4V)

EXAMPLES OF PART NUMBERS:

MS21911-4 TEL. 1/4 TUBING, CARBON STEEL.

MS21911-1 TEL. 1/4 TUBING, ALUMINUM ALLOY (2014).

MS21911-1W TEL. 1/4 TUBING, ALUMINUM ALLOY (2024).

MS21911-1J TEL. 1/4 TUBING, CORROSION RESISTANT STEEL, TYPE 304.

MS21911-1K TEL. 1/4 TUBING, CORROSION RESISTANT STEEL, TYPE 316.

MS21911-1S TEL. 1/4 TUBING, CORROSION RESISTANT STEEL, TYPE 316.

(H) MS21911-AT - TEL. 1/4 TUBING, TITANIUM ALLOY (6AL-4V)

- (H) 6.
- ~~PARTS CODED C ARE INACTIVE FOR DESIGN 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.~~

- (H) ITEMS CODED "C" ON PREVIOUS ISSUES OF THIS STANDARD ARE NO LONGER TO BE FURNISHED. UNLESS OTHERWISE SPECIFIED, PARTS CODED J, K, OR S (AT SUPPLIER'S OPTION) SHALL BE FURNISHED IN LIEU OF "C" CODED PARTS.

7. CERTAIN PROVISIONS (SCREW THREADS, BOSS DIMENSIONS AND UNDERCUT DIMENSIONS) OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASQC AIR 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.

- H 8. TITANIUM NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

9. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

10. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

APPROVED 14 Oct 51 REVISED (H) FOR CHANGES SEE SHEETS 1 AND 2.

P.A. Navy - AS Other Cast USAF - 99 Army - 41	INTERNATIONAL INTEREST SEE NOTE 7	TITLE TEL. BULKHEAD, FLARELESS TUBE, INTERNAL THREAD ON RUN	MILITARY STANDARD MS21911
PROCUREMENT SPECIFICATION MIL-F-1828		SUPERSEDES:	SHEET 2 OF 2

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

User activities: Navy - OS
Army - GL, CF, DF, AFReview activities: USAF - 11
Army - AF, 11
NAV - CS

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