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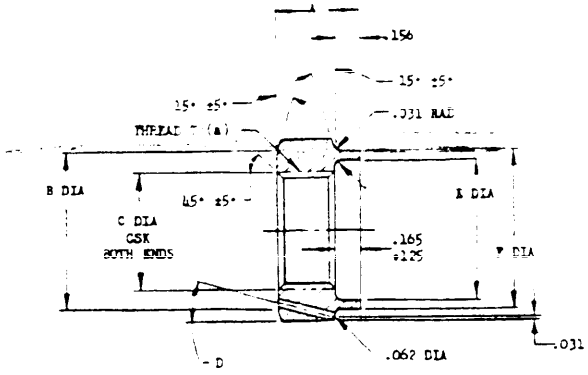

LOW FLOW SIZE DASH NO.	TUBE OD	THREAD T (a) MIL-S-8879	A	B	C +.015 −.000	D ±2°	E	F	H	WT LB MAX
-4L	1/4	.4375-20 UNJF-3B	.406	.687	.437	12°	.562	.687	.687	.008

HIGH FLOW SIZE DASH NO.	TUBE OD	THREAD T	A	B	C +.015 −.000	D ±2°	E	F	H	WT LB MAX
-4H	1/4	.4375-20 UNJF-3B	.500	1.000	.437	12°	.875	1.000	1.000	.011
-5H	5/16	.5000-20 UNJF-3B			.500					
-6H	3/8	.6625-18 UNJF-3B			.562					.023
-8H	1/2	.7500-16 UNJF-3B			.750					.031

(a) PARTS WITH THREADS IN ACCORDANCE WITH MIL-S-7742 OF THE SAME THREAD SIZE, PITCH AND TOLERANCE CLASS ARE ACCEPTABLE FOR PROCUREMENT UNTIL 1 JULY 1972, BUT PARTS WITH MIL-S-7742 THREADS WILL NOT BE PROCURED THEREAFTER. EXISTING STOCKS ARE TO BE USED UNTIL EXHAUSTED.

1. MATERIAL: ALUMINUM ALLOY - BARS. SEE PROCUREMENT SPECIFICATION.
   ALUMINUM ALLOY - BARS, QQ-A-225/6, TEMPER T6.

2. FINISH: SEE PROCUREMENT SPECIFICATION.
   SURFACE FINISH IN ACCORDANCE WITH ASA B46.1 - 1962.
   ALL MACHINED SURFACES 125 MICROINCHES RHR MAX., UNLESS OTHERWISH NOTED.

3. NUTS SHALL BE FREE FROM ALL HANGING BURRS AND SLIVERS.

4. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± 010, ANGLES ±1/2°.

5. PART NUMBERS:
   NO CODE LETTER IN PART NUMBER FOR ALUMINUM ALLOY (2024), (2014).
   ADD W IN PLACE OF DASH FOR ALUMINUM ALLOY (7075).
   EXAMPLES OF PART NUMBERS:
   MS21937-8H - NUT, 1/2 TUBING, HIGH FLOW ALUMINUM ALLOY (2024), (2014).
   MS21937W8H - NUT, 1/2 TUBING, HIGH FLOW ALUMINUM ALLOY (7075).

6. INSTALLATION IN ACCORDANCE WITH MS21931.

7. CERTAIN PROVISIONS (SCREW THREADS AND HEXAGON SIZE) OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASCC AIR STD 19/15. 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.

(E) 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.

APPROVED 15 Feb 56 REVISED (A) 20 Nov 57 (B) 27 June 69

P.A. Navy-AS, Other Cust USAF-82 Army-AV	INTERNATIONAL INTEREST	TITLE: NUT, CLUSTER FITTING, RETAINER	MILITARY STANDARD MS21937
PROCUREMENT SPECIFICATION MIL-F-18280	SUPERSEDES		SHEET 1 OF 1

DD FORM 672-1 (Coordinated) A50 use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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Navy activities: Navy - AS, USAF - 82, 11, Army - AV, MC, MI, CR

User activities: Army - OL, ML, MR, AT

This military standard is approved by the Department of Defense and is mandatory for all activities. Reference to the use of any non-standard item design applications and for requisitioning purposes must be made from this document.