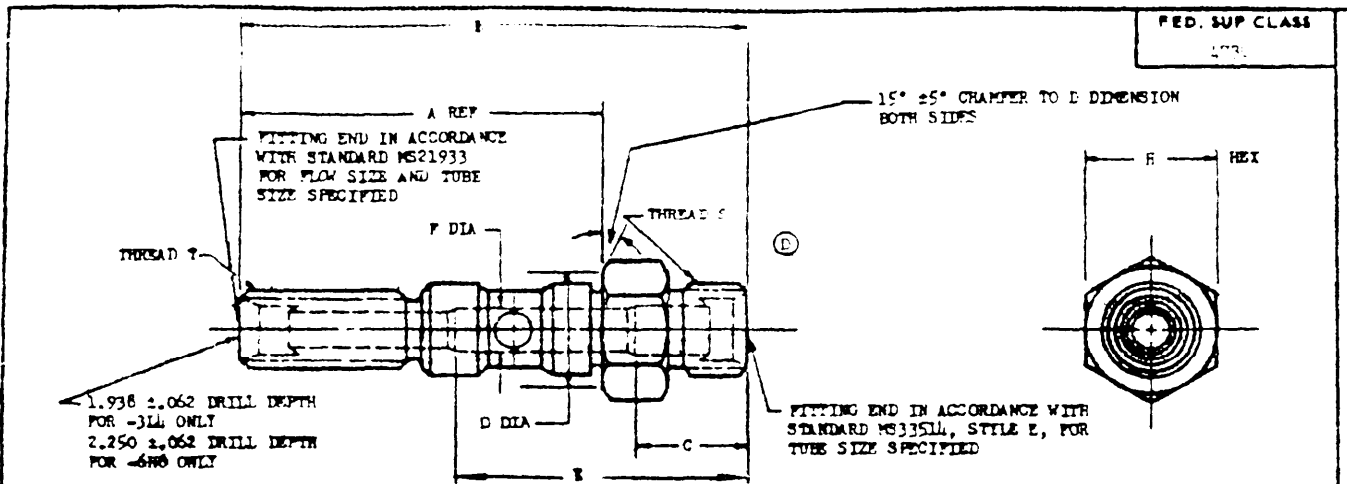


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LOW FLOW SIZE	TUBE OD	THREAD S MIL-S-8879	TUBE OD	THREAD T MIL-S-8879	A REF	B	C	D	E	F	G	WT
DASH NUMBER												LB MAX
-31L	3/16	.3750-24 UNJF-3A	1/4	.4375-20 UNJF-3A	2.072	2.806	THRU	.621	—	.187	.621	—
-41L	1/4	.4375-20 UNJF-3A	1/4	.4375-20 UNJF-3A	2.072	2.869	THRU	.684	1.715	.187	.684	.014
-51L	5/16	.5000-20 UNJF-3A	1/4	.4375-20 UNJF-3A	2.072	2.931	—	.746	1.750	.234	.746	.017
-61L	3/8	.5625-18 UNJF-3A	1/4	.4375-20 UNJF-3A	2.072	2.978	.663	.871	1.750	.234	.871	.022
-81L	1/2	.7500-16 UNJF-3A	1/4	.4375-20 UNJF-3A	2.072	3.071	.556	.996	1.844	.234	.996	—
-6H4	3/8	.5625-18 UNJF-3A	1/4	.4375-20 UNJF-3A	2.353	3.259	—	.871	1.912	.297	.871	.035
-6H5	3/8	.5625-18 UNJF-3A	5/16	.5000-20 UNJF-3A	2.353	3.259	—	.871	1.912	.297	.871	—
-6H6	3/8	.5625-18 UNJF-3A	3/8	.5625-18 UNJF-3A	2.359	3.265	THRU	.871	THRU	.297	.871	.036
-6H8	3/8	.5625-18 UNJF-3A	1/2	.7500-16 UNJF-3A	2.460	3.364	THRU	.871	—	.422	.871	.037
-8H4	1/2	.7500-16 UNJF-3A	1/4	.4375-20 UNJF-3A	2.353	3.352	—	.996	2.030	.422	.996	—
-8H5	1/2	.7500-16 UNJF-3A	5/16	.5000-20 UNJF-3A	2.353	3.352	—	.996	2.030	.422	.996	—
-8H6	1/2	.7500-16 UNJF-3A	3/8	.5625-18 UNJF-3A	2.359	3.358	—	.996	2.030	.422	.996	.037
-8H8	1/2	.7500-16 UNJF-3A	1/2	.7500-16 UNJF-3A	2.460	3.459	THRU	.996	THRU	.422	.996	—
-10H4	5/8	.8750-14 UNJF-3A	1/4	.4375-20 UNJF-3A	2.353	3.415	.812	1.121	2.055	.422	1.121	—
-10H5	5/8	.8750-14 UNJF-3A	5/16	.5000-20 UNJF-3A	2.353	3.415	.812	1.121	2.055	.422	1.121	—
-10H6	5/8	.8750-14 UNJF-3A	3/8	.5625-18 UNJF-3A	2.359	3.421	.812	1.121	2.055	.422	1.121	—
-10H8	5/8	.8750-14 UNJF-3A	1/2	.7500-16 UNJF-3A	2.460	3.524	.812	1.121	THRU	.422	1.121	.046

①

INACTIVE FOR NEW DESIGN AFTER 31 DEC: 1989

① NOTES CHANGE:

AVI - 44 Other Cost	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
USAF - 99 ARMY - AV	SEE NOTE ①	BOLT, CLUSTER FITTING, SINGLE PORT, THROUGH, FLARELESS	MS21939
PROUREMENT SPECIFICATION MIL-S-1879	SUPERSEDES:	MS21939(A9)	SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

APPROVED 15 FEB 1956 REVISED ① 20 NOV 51 ② 27 JUNE 59 ③ 26 JUNE 1961 ④ 21 JUNE 1989

FED. SUP CLASS

4730

REQUIREMENTS: (C)

1. MATERIAL: ALUMINUM ALLOY - BARS. SEE PROCUREMENT SPECIFICATION.
2. FINISH: SEE PROCUREMENT SPECIFICATION.
SURFACE FINISH IN ACCORDANCE WITH ANSI B46.1
UNLESS OTHERWISE SPECIFIED, ALL OUTSIDE MACHINED SURFACES SHALL BE 125 MICROINCHES Ra AND ALL INSIDE SURFACES SHALL BE 250 MICROINCHES Ra.

NOTES: (D)

1. FITTINGS SHALL BE FREE FROM ALL HANGING BURRS AND SLIVERS.
2. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS \pm .010, ANGLES \pm 1/2°.
3. PART NUMBERS.
NO CODE LETTER IN PART NUMBER FOR ALUMINUM ALLOY (2024).
ADD W IN PLACE OF DASH FOR ALUMINUM ALLOY (7075).
EXAMPLES OF PART NUMBERS:
MS21939-8L4 - BOLT, 1/2 TO 1/4 TUBING, LOW FLOW, ALUMINUM ALLOY (2024).
MS21939W8L4 - BOLT, 1/2 TO 1/4 TUBING, LOW FLOW, ALUMINUM ALLOY (7075).
4. INSTALLATION IN ACCORDANCE WITH MS21931.
5. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
6. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DoD ISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

USER ACTIVITIES: ARMY - CL, CR, ME, AT
REVIEW ACTIVITIES: USAF - 02
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P.A. NAVY - AS Other Code USAF - 99 ARMY - AV	INTERNATIONAL INTEREST SEE NOTE 1 (C)	TITLE BOLT, CLUSTER FITTING, SINGLE PORT, THROUGH, FLARELESS	MILITARY STANDARD MS21939
PROCUREMENT SPECIFICATION MIL-F-18280	SUPERSEDES MS21939/ASG	SHEET 2 OF 2	

DD FORM 1 MAR 72 672-1 (Continued)

FORWARD EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 2000

APPROVED 15 Feb 1956 REVISED (D) FOR CHANGES SEE SHEETS 1 AND 2.