

## USER SYMBOLS:

ARMY - G2, ME, AT

## REVIEWER SYMBOLS:

USAF - 82  
ARMY - AR, M1  
DLA - CS

"Review/user information is current as of the date of this document.  
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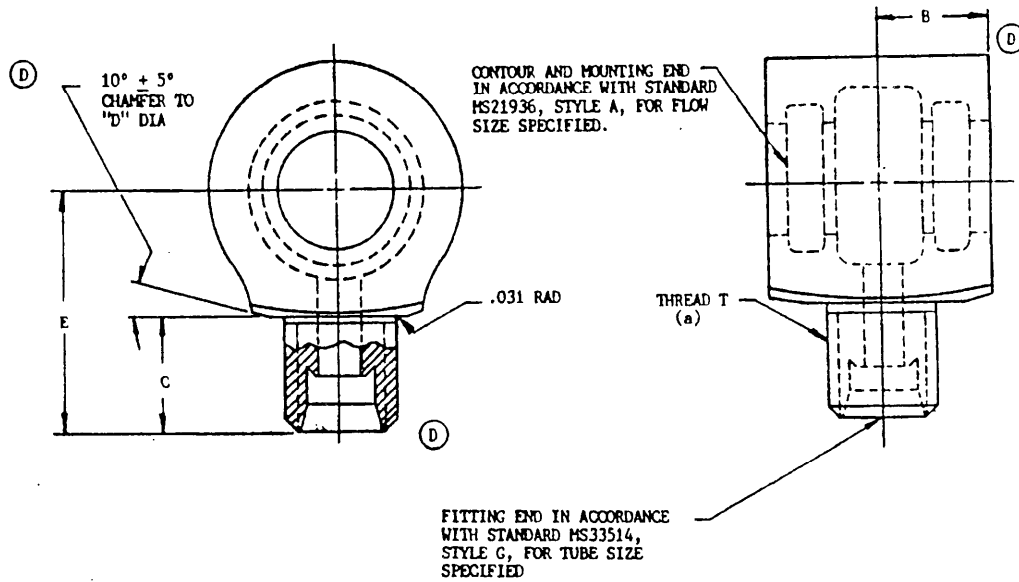
AMSC N/A

P.A. Navy - AS Other Cost	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
USAF - 99 Army - JV	SEE NOTE 7	BODY, CLUSTER FITTING, ONE WAY, FLARELESS	MS21942
PROCUREMENT SPECIFICATION MIL-F-18280	SUPERSEDES:	MS21942(ASG)	SHEET 1 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJECT NO. 4730-0986

FED. SUP CLASS  
4730

LOW FLOW SIZE DASH NUMBER	TUBE OD	THREAD T MIL-S-8879	B	C	D	E	WT LB MAX
-3L	3/16	.3750-24 UNJF-3A	.500	.484	.710	1.047	.026
-4L	1/4	.4375-20 UNJF-3A		.531		1.094	.029
-5L	5/16	.5000-20 UNJF-3A		.562		1.125	.032
-6L	3/8	.5625-18 UNJF-3A					.032

HIGH FLOW SIZE DASH NUMBER	TUBE OD	THREAD T MIL-S-8879	B	C	D	E	WT LB MAX
-4H	1/4	.4375-20 UNJF-3A	.594	.531	.750	1.343	.066
-5H	5/16	.5000-20 UNJF-3A		.562		1.375	.069
-6H	3/8	.5625-18 UNJF-3A		.656		1.469	----
-8H	1/2	.7500-16 UNJF-3A					

(D) DENOTES CHANGES

APPROVED 15 Feb 56 REVISED: A 20 Nov 57 B 5 Dec 58 / C 27 June 69 (D) 24 JUL 87

FED. SUP CLASS  
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REQUIREMENTS:

- (D) 1. MATERIAL: ALUMINUM ALLOY - 90-A-200/3, TEMPER T4, ARTIFICIALLY AGED.  
ALUMINUM ALLOY - BAR OR FORGING, SEE PROCUREMENT SPECIFICATION.
- (D) 2. FINISH: SEE PROCUREMENT SPECIFICATION.  
SURFACE FINISH IN ACCORDANCE WITH ANSI B46.1.  
ALL MACHINED SURFACES FINISHED TO 250 RIR MAX EXCEPT AS NOTED.

NOTES:

1. FITTINGS SHALL BE FREE FROM ALL HANGING BURRS AND SLIVERS.
2. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS  $\pm .010$ , ANGLES  $\pm 1/2^\circ$ .
3. 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:

MS21942-8H - BODY, 1/2 TUBING, HIGH FLOW, ALUMINUM ALLOY (2024) OR (2014).  
MS21942W8H - BODY, 1/2 TUBING, HIGH FLOW, ALUMINUM ALLOY (7075).

4. INSTALLATION IN ACCORDANCE WITH MS21931.
5. CERTAIN PROVISIONS (SCREW THREADS) OF THIS STANDARDS ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASSC 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.
- (D) 6. 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.
- (D) 7. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.
- (D) 8. INACTIVE FOR NEW DESIGN AFTER 31 DECEMBER 1987.

APPROVED 15 FEB 56 REVISED (D) FOR CHANGES SEE SHEETS 1 AND 2

AMSC N/A

P.A. NAVY - AS Other Cust USAF - 99 ARMY - AV	INTERNATIONAL INTEREST  SEE NOTE 7	TITLE  BODY, CLUSTER FITTING, ONE WAY, FLARELESS	MILITARY STANDARD  <b>MS21942</b>
PROCUREMENT SPECIFICATION MIL-F-18280		SUPERSEDES: MS21942(ASG) (D)	SHEET 2 OF 2

FORM

REPLACES EDITIONS OF THIS FORM AND REVISIONS