

USER SYMBOL:

ARMY - SL, ME, AT

REVIEWER SYMBOL:

USAF - 82

ARMY - AV

DLA - CS

"Review/Issue Information is current as of the date of this document. For future consideration of changes to this document, draft circulation should be based on the information in the current DODDS." -

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE. DISTRIBUTION IS UNLIMITED.

The military standard is intended for use by all Departments & Agencies of the Department of Defense. Solicitations for all new engineering and design applications and for repetitive use shall be made from this document.

AMSC N/A

FED. SUP CLASS 4730																																																																				
	<p>CONTOUR AND MOUNTING END IN ACCORDANCE WITH STANDARD MS21936, STYLE C FOR FLOW SIZE SPECIFIED</p> <p>THREAD T</p> <p>FITTING END IN ACCORDANCE WITH STANDARD MS33514, STYLE G, FOR TUBE SIZE SPECIFIED, 2 ENDS</p>																																																																			
<table border="1"> <thead> <tr> <th>LOW FLOW SIZE DASH NUMBER</th> <th>TUBE OD</th> <th>THREAD T MIL-S-8879</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>WT LB MAX</th> </tr> </thead> <tbody> <tr> <td>-3L</td> <td>3/16</td> <td>.3750-24 UNJF-3A</td> <td rowspan="4">.500</td> <td>.484</td> <td rowspan="4">.710</td> <td>1.047</td> <td>.026</td> </tr> <tr> <td>-4L</td> <td>1/4</td> <td>.4375-20 UNJF-3A</td> <td>.531</td> <td>1.094</td> <td>.029</td> </tr> <tr> <td>-5L</td> <td>5/16</td> <td>.5000-20 UNJF-3A</td> <td></td> <td>.031</td> </tr> <tr> <td>-6L</td> <td>3/8</td> <td>.5625-18 UNJF-3A</td> <td>.562</td> <td>1.125</td> <td>.032</td> </tr> </tbody> </table>	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		.031	-6L	3/8	.5625-18 UNJF-3A	.562	1.125	.032	<table border="1"> <thead> <tr> <th>HIGH FLOW SIZE DASH NUMBER</th> <th>TUBE OD</th> <th>THREAD T MIL-S-8879</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>WT LB MAX</th> </tr> </thead> <tbody> <tr> <td>-4H</td> <td>1/4</td> <td>.4375-20 UNJF-3A</td> <td rowspan="4">.594</td> <td>.531</td> <td rowspan="4">.710</td> <td>1.343</td> <td>.066</td> </tr> <tr> <td>-5H</td> <td>5/16</td> <td>.5000-20 UNJF-3A</td> <td></td> <td>.066</td> </tr> <tr> <td>-6H</td> <td>3/8</td> <td>.5625-18 UNJF-3A</td> <td>.562</td> <td>1.375</td> <td>.066</td> </tr> <tr> <td>-8H</td> <td>1/2</td> <td>.7500-16 UNJF-3A</td> <td>.656</td> <td>.750</td> <td>1.469</td> <td>.069</td> </tr> </tbody> </table>	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	.710	1.343	.066	-5H	5/16	.5000-20 UNJF-3A		.066	-6H	3/8	.5625-18 UNJF-3A	.562	1.375	.066	-8H	1/2	.7500-16 UNJF-3A	.656	.750	1.469	.069
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				.031																																																														
-6L	3/8	.5625-18 UNJF-3A		.562		1.125	.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	.710	1.343	.066																																																													
-5H	5/16	.5000-20 UNJF-3A				.066																																																														
-6H	3/8	.5625-18 UNJF-3A		.562		1.375	.066																																																													
-8H	1/2	.7500-16 UNJF-3A		.656		.750	1.469	.069																																																												
(C) DENOTES CHANGES																																																																				
P.A. NAVY - AS Other Cust USAF - 99 ARMY - AV	INTERNATIONAL INTEREST SEE NOTE 7	TITLE BODY, CLUSTER FITTING, TWO WAY, 90°, FLARELESS	MILITARY STANDARD MS21943																																																																	
PROCUREMENT SPECIFICATION MIL-F-18280		SUPERSEDES: MS21943(ASG) (C)	SHEET 1 OF 2																																																																	

FED. SUP CLASS
4730

NOTES:

- (C) 1. MATERIAL: ALUMINUM ALLOY - QQ-A-200/3, TEMPER T4, ARTIFICIALLY AGED.
ALUMINUM ALLOY - BAR OR FORGING, SEE PROCUREMENT SPECIFICATION
- (C) 2. FINISH: SEE PROCUREMENT SPECIFICATION.
SURFACE FINISH IN ACCORDANCE WITH ANSI B46.1.
ALL MACHINED SURFACES FINISHED TO 250 RHR MAX EXCEPT AS NOTED.
3. FITTINGS SHALL BE FREE FROM ALL HANGING BURRS AND SLIVERS.
4. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .010$, ANGLES $\pm 1/2^\circ$.
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:

MS21943-8H - BODY, 1/2 TUBING, HIGH FLOW, ALUMINUM ALLOY (2024) OR (2014).
MS21943W8H - BODY, 1/2 TUBING, HIGH FLOW, ALUMINUM ALLOY (7075).

6. INSTALLATION IN ACCORDANCE WITH MS21931.
7. CERTAIN PROVISIONS (SCREW THREADS) OF THIS STANDARDS ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASCC 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.
- (C) 8. 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.
- (C) 9. 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.
- (C) 10. INACTIVE FOR NEW DESIGN AFTER 31 DECEMBER 1987.

REVISED (C) FOR CHANGES SEE SHEETS 1 AND 2

APPROVED 15 FEB 56

P.A. NAVY - AS Other Cust USAF - 99 ARMY - AV	INTERNATIONAL INTEREST SEE NOTE 7	TITLE BODY, CLUSTER FITTING, TWO WAY, 90°, FLARELESS	MILITARY STANDARD MS21943
	PROCUREMENT SPECIFICATION HIL-F-18280	SUPERSEDES: MS21943(ASG) (C)	SHEET 2 OF 2

DD FORM 872-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

USER SYMBOLS:
ARMY - CL, ME, ATREVIEWER SYMBOLS:
USAF - 82
ARMY - AV
DLA - CS

"Review/audit information is current as of the date of this document.
For future identification of changes to this document, draft annotations
should be based on the information in the current DODDSL."

DISTRIBUTION STATEMENT 2: APPROVED FOR PUBLIC RELEASE. DISTRIBUTION IS UNLIMITED.
This military standard is approved for use by all Departments &
Agencies of the Department of Defense. Substitutions for all new
engineering and design specifications and for repetitive use shall be
made from this document.

AMSC N/A