

User activities:

Change activities: ARMY-MI  
DSA-CS

This military standard is approved for use by all departments and agencies of the Department of the Army. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

LOW FLOW SIZE		TUBE	THREAD	B	C	D	E
MS PART NUMBER		OD	T (REF)				
MS 21953 - 3L		3/16	3/8-24 UNF - 3A	.500	.640	.710	1.109
MS 21953 - 4L		1/4	7/16-20 UNF - 3A	.500	.625	.710	1.187
MS 21953 - 5L		5/16	1/2-20 UNF - 3A	.500	.625	.710	1.187
MS 21953 - 6L		3/8	9/16-18 UNF - 3A	.500	.640	.710	1.203

  

HIGH FLOW SIZE		TUBE	THREAD	B	C	D	E
MS PART NUMBER		OD	T (REF)				
MS 21953 - 4H		1/4	7/16-20 UNF - 3A	.594	.625	.710	1.438
MS 21953 - 5H		5/16	1/2-20 UNF - 3A	.594	.625	.710	1.438
MS 21953 - 6H		3/8	9/16-18 UNF - 3A	.594	.648	.710	1.460
MS 21953 - 8H		1/2	3/4-16 UNF - 3A	.594	.750	.750	1.862

  

**(A) MATERIAL** EXTRUSION 215 ALUMINUM ALLOY SPECIFICATION QQ-A-200.3 TEMPER T4 OR TEMPER T4 ARTIFICIALLY AGED. FORGING 145 ALUMINUM ALLOY SPECIFICATION QQ-A-367 COMPOSITION 5 TEMPER T5.

**FINISH** SEE PROCUREMENT SPECIFICATION

ALL MACHINED SURFACES FINISHED TO 250 R.M.S. MAX. EXCEPT AS NOTED.

FITTINGS SHALL BE FREE FROM ALL HANGING BURRS AND FLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.

DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. TOLERANCES DECIMALS  $\pm .010$ , ANGLES  $\pm 1/2^\circ$ .

INSTALL PER MS 21931

**(A) 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.**

  

<b>P.A.</b> USAF - 82 Other Cost	<b>TITLE</b> BODY - CLUSTER FITTING ONE WAY - FLARE	<b>MILITARY STANDARD</b>  <b>MS21953</b>
<b>PROCUREMENT SPECIFICATION</b> MIL-F-5509	<b>SUPERSEDES</b>	<b>SHEET</b> 1 <b>OF</b> 1