

User activities:

Review activities:
ARMY - MI
DGA - CS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. It is the policy of the Department of Defense that all specifications and drawings shall be made from this document.

P.A.		TITLE	MILITARY STANDARD
USAF - 82 Other Cost		BODY- CLUSTER FITTING THREE WAY - FLARE	MS21956
NAVY - AS ARMY - MI			
PROCUREMENT SPECIFICATION MIL-F-5509		SHEET	OF

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FED. SUP CLASS
4730

CONTOUR AND MOUNTING
END IN ACCORDANCE WITH
MS21936 STYLE D FOR FLOW
SIZE SPECIFIED

FITTING END IN ACCORDANCE
WITH MS33656 STYLE G FOR
TUBE SIZE SPECIFIED
(THREE ENDS)

LOW FLOW SIZE	TUBE OD	THREAD T (REF)	B	C	D	E
MS 21946 - 3L	3/16	3/8-24 UNF - 3A	.500	.840	.710	1.109
MS 21946 - 4L	1/4	7/16-20 UNF - 3A	.500	.825	.710	1.187
MS 21946 - 5L	5/16	1/2-20 UNF - 3A	.500	.825	.710	1.187
MS 21946 - 6L	3/8	9/16-18 UNF - 3A	.500	.840	.710	1.203

HIGH FLOW SIZE	TUBE OD	THREAD T (REF)	B	C	D	E
MS 21946 - 4H	1/4	7/16-20 UNF - 3A	.594	.825	.710	1.438
MS 21946 - 5H	5/16	1/2-20 UNF - 3A	.594	.825	.710	1.438
MS 21946 - 6H	3/8	9/16-18 UNF - 3A	.594	.840	.710	1.460
MS 21946 - 8H	1/2	3/4-16 UNF - 3A	.594	.750	.750	1.562

(A) MATERIAL: EXTRUSION 248 ALUMINUM ALLOY SPECIFICATION QQ-A-300/3 TEMPER T4 OR TEMPER T4 ARTIFICIALLY AGED. PORING 148 ALUMINUM ALLOY SPECIFICATION QQ-A-347 COMPOSITION 5 TEMPER T6.

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 SLIVERS WHICH MIGHT BECOME DISLODGED, UNDER USAGE.
DIMENSIONS IN INCHES: UNLESS OTHERWISE SPECIFIED. TOLERANCES: DECIMALS ± .010, ANGLES ± 1/2°.
INSTALL PER MS 21881

(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.

APPROVED 15 FEB 1965
REVISED (A) 30 SEP 78