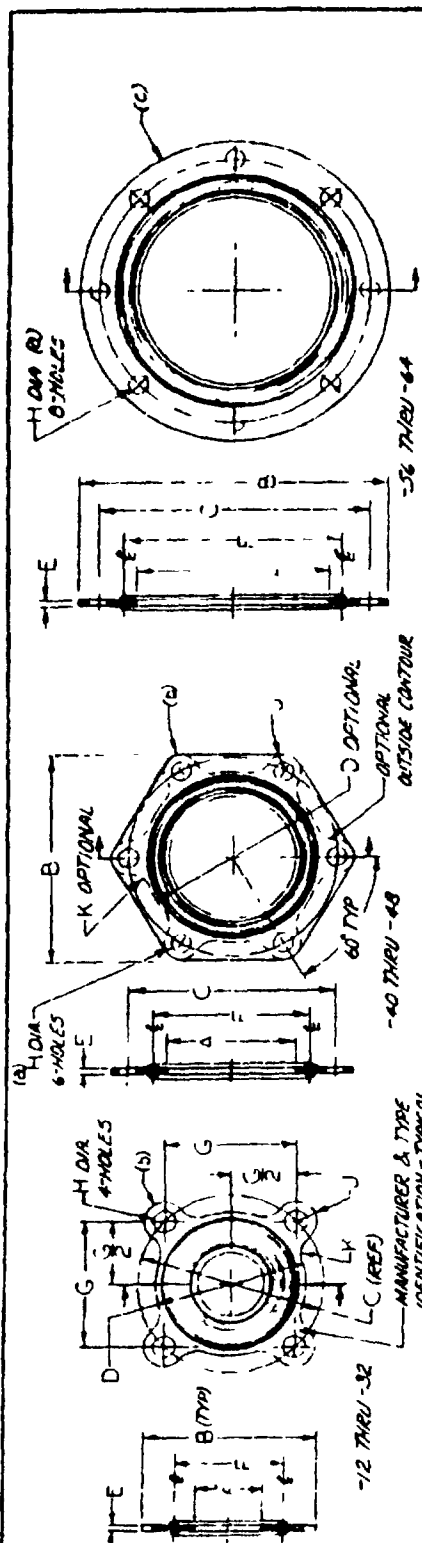
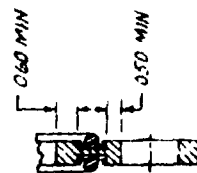


This standard has been approved by the Department of the USAF, and is mandatory for use by that activity. All other military activities are requested to employ this standard where feasible.

NOTE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government hereby states its responsibility, and the fact that the Government may have furnished, furnished, or is to supply, the said drawings, specifications, or other data, and it is to be required by implication of reference to any contract, drawing, or other data, in any other part of the contract, drawing, or other data, to carry out any such operation in accordance with, and to all any pertinent conditions that may in any way be affected thereby.



MS PART NO.	NOMINAL TUBE ID REF	A DIA	B DIA	C DIA	D DIA	E DIA	F DIA	G DIA	H DIA	J DIA	K RAD
MS 12	3/4	6.69	1.75	1.635	1.75	0.00	4.75	1.136	1.203	2.32	2.32
MS 14	1	6.69	1.75	1.635	1.75	0.00	4.75	1.136	1.203	2.32	2.32
MS 16	1	9.04	1.75	1.635	1.75	0.00	4.75	1.136	1.203	2.32	2.32
MS 18	1	9.04	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 20	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 22	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 24	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 26	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 28	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 30	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 32	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 34	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 36	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 38	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 40	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 42	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 44	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 46	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 48	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 50	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 52	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 54	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 56	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 58	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 60	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 62	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 64	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 66	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 68	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 70	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 72	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 74	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 76	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 78	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 80	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 82	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 84	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 86	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 88	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 90	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 92	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 94	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 96	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 98	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32
MS 100	1	1.138	2.31	2.31	2.31	0.00	4.75	1.136	1.203	2.32	2.32



ENLARGED SECTION
TYPICAL FOR ALL SIZES

- (a) 1/4" C. DIAMETER HOLES MUST BE EQUALLY SPACED ON C. DIAMETER WITHIN .005
- (b) COLOR MARKINGS: IN SIZES -12 THRU -48, OUTSIDE EDGE SHALL HAVE AT LEAST 3 NON-PERMANENT RED COLORED MARKINGS MORE THAN 1/4" INCH LONG TO INDICATE TYPE OF SEAL
- (c) COLOR MARKINGS: ON SIZES -50 THRU -64, OUTSIDE EDGES SHALL HAVE NON-PERMANENT RED COLORED MARKINGS EXTENDING AT LEAST THREE-QUARTERS OF THE WAY AROUND THE PART
- WATER-AL: METAL RETAINER, ALUMINUM ALLOY, SPEC QQ-A-327, TEMPER T6, FINISHED TO MIL-A-8825, TYPE-II
- REMOVE ALL BURRS AND SHARP EDGES
- DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES, DECIMALS ± .005, FRACTIONS ± 1/32" ANGLES ± 1/2"
- INDIVIDUALLY PACKAGE PER SPEC MIL-P-116, METHOD 1C-1.
- PRODUCT SHALL BE PERMANENTLY IDENTIFIED AS TO MANUFACTURER AND TYPE
- SEAL DESIGN MUST PROVIDE SUBSTANTIAL FILLING OF THE GROOVE WHEN ASSEMBLED
- 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 INVITATION FOR BIC
- * SUGGESTED DIMENSIONS FOR "D" AND "K" SIZES (-40 THRU -48)

APPROVED 20 JULY 1962 REVISED

PA USAF Other Cust	TITLE SEAL, PLAIN, RUBBER, (-05 TO +16) - FUEL RESISTANT, MOULD IN GROOVE	MILITARY STANDARD MS 27104 (USAF)
PROCUREMENT SPECIFICATION	SUPSEDES	SHEET 1 OF 1