

This standard has been approved by the San Antonio Air Materiel Area Department of the Air Force and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

REVIEW ACTIVITIES: DSA-15

FED. SUP CLASS  
6330

(a) H DIA 8 HOLES  
-56 THRU -64

(b) H DIA 4 HOLES  
-40 THRU -48

(c) H DIA 60 TYP  
OPTIONAL OUTSIDE CONTOUR

MS PART NO.	NOMINAL TUBE O.D. REF.	A DIA	B	C DIA	D DIA	E	F DIA	G	H DIA	J RAD.	K RAD.
MS -12	3/4	.669	1-19/32	1.635	1-1/4	.092	5/16	1.156	.205	7/32	7/32
MS -12 -16	3/4	.669	1-3/4	1.856	1-1/2	.092	1-13/64	1.312	.205	7/32	7/32
MS -16	1	.904	1-3/4	1.856	1-1/2	.092	1-13/64	1.312	.205	7/32	7/32
MS -16 -24	1	.904	2-3/8	2.563	2-1/8	.092	1-47/64	1.812	.266	9/32	9/32
MS -20	1-1/4	1.138	2-3/16	2.342	1-27/32	.092	1-1/2	1.656	.266	17/64	17/64
MS -20 -24	1-1/4	1.138	2-3/8	2.563	2-1/8	.092	1-47/64	1.812	.266	9/32	9/32
MS -24	1-1/2	1.372	2-3/8	2.563	2-1/8	.092	1-47/64	1.812	.266	9/32	9/32
MS -32	2	1.841	3	3.359	2-3/4	.092	2-13/32	2.375	.328	5/16	5/16
MS -40	2-1/2	2.341	4	3.812	3-1/4	.092	2-53/64		.328	3/8	3/8
MS -48	3	2.841	4-1/2	4.312	3-3/4	.092	3-5/16		.328	5/8	3/8*
MS -56	3-1/2	3.341	5-9/16	4.875		.092	3-12/16		.328		
MS -64	4	3.841	6-1/8	5.438		.092	4-5/16		.328		

(a) H DIAMETER HOLES MUST BE EQUALLY SPACED ON C DIAMETER WITHIN .005.

(b) COLOR MARKINGS: ON SIZES -12 THRU -48, OUTSIDE EDGE SHALL HAVE AT LEAST 3 NON PERMANENT WHITE COLORED MARKINGS MORE THAN 1/4 INCH LONG TO INDICATE TYPE OF SEAL.

(c) COLOR MARKINGS: ON SIZES -56 THRU -64, OUTSIDE EDGES SHALL HAVE NON PERMANENT WHITE COLORED MARKINGS EXTENDED AT LEAST THREE-QUARTERS OF THE WAY AROUND THE PART.

MATERIAL: METAL RETAINER, CORROSION RESISTANT STEEL, SPEC. MIL S-5069 COMP. 302, ANNEALED REMOVE ALL BURRS AND SHARP EDGES.

DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED. TOLERANCES: DECIMALS : .005, FRACTIONS : 1/64, ANGLES : 1/2°.

INDIVIDUALLY PACKAGED 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 INVITATIONS FOR BID.

\* SUGGESTED DIMENSIONS FOR "D" AND "K" SIZES (-40 THRU -48)

☆ U. S. GOVERNMENT PRINTING OFFICE: 1972.7 14-167/8006

P. A. AF-82

Other Cust

PROCUREMENT SPECIFICATION NONE

TITLE

SEAL, PLAIN, RUBBER, ( HOT AIR RESISTANT, 400° F ) MOLD IN GROOVE

SUPERSEDES:

MILITARY STANDARD

**MS27197**

SHEET 1 OF 1

APPROVED 20 JULY 1962 REVISED (A) 5 JAN 1965 (B) 9 JUNE 1972

DD FORM 672-1 (Limited circulation)

**SPECIFICATION ANALYSIS SHEET**

Form Approved  
Budget Bureau No. 119-3004

**INSTRUCTIONS**

This sheet is to be filled out by personnel either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity (as indicated on reverse hereof).

SPECIFICATION

ORGANIZATION (of submitter)

CITY AND STATE

CONTRACT NO.

QUANTITY OF ITEMS PROCURED

DOLLAR AMOUNT

\$

MATERIAL PROCURED UNDER A

DIRECT GOVERNMENT CONTRACT

SUBCONTRACT

1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?  
a. GIVE PARAGRAPH NUMBER AND WORDING.

b. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES.

2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID

3. IS THE SPECIFICATION RESTRICTIVE?

YES

NO IF "YES", IN WHAT WAY?

4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)

SUBMITTED BY (Printed or typed name and activity)

DATE

DD FORM 1426  
1 APR 63

REPLACES NAVSHIPS FORM 4863, WHICH IS OBSOLETE

PLATE NO. 15419