

REVIEW ACTIVITIES: DSA, IS

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

P.A. AF 82 Other Cast		TITLE GASKET, RUBBER, FLUID RESISTANT, OILS, SYNTHETIC OILS, AND FUELS (-65 TO +400°F) MOLD IN GROOVE.		MILITARY STANDARD MS27196	
PROCUREMENT SPECIFICATION		SUPERSEDES		SHEET 1 OF 1	
<p>DD FORM 672-1 (limited circulation)</p>					

MANUFACTURER'S TYPE IDENTIFICATION TYPICAL

ENLARGED SECTION TYPICAL FOR ALL SIZES

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

(b) COLOR MARKINGS: NONE

(c) COLOR MARKINGS: NONE

MATERIAL: METAL RETAINER, CORROSION RESISTANT STEEL, SPEC. MIL S 5059, COMP. 302, ANNEALED RUBBER SEAL, RUBBER PER SPEC. MIL R 83248, TYPE II, CLASS 1.

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)

MS PART NO.	NOMINAL TUBE O.D. REF.	A DIA.	B	C DIA.	D DIA.	E OOD	F DIA.	G	H .010 .005 DIA.	J RAD.	K RAD.
MS -12	3 4	.669	1.19/32	1.635	1.1/4	.092	.61/64	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	2.3/8	2.342	2.1/8	.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	5/8
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		

FED. SUP CLASS
5330

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

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 22-R255
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. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.		
SPECIFICATION		
ORGANIZATION		
CITY AND STATE	CONTRACT NUMBER	
MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> 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 - Optional)		DATE

DD FORM 1426
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED.

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