



MS PART NO	A	B	C
MS 35643-1	3-17/32	4-1/4	1/8
MS 35643-2	2-57/64	4-3/8	1/16
MS 35643-3	1-3/8	1-11/16	1/8

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NOTES:

1. THESE GASKETS ARE TO BE USED WITH CAPS SHOWN ON MS35645, MS53075, AND MS51300.
2. MATERIAL:
 SYNTHETIC RUBBER GRADE SA705 A₁ B₁ C₁ F₁ Z₁ IN ACCORDANCE WITH MIL-R-3065 AND MIL-STD-417
 (2 REQUIREMENTS; Z₁ ALLOWABLE DUROMETER HARDNESS SHORE A65-80 AND ULTIMATE ELONGATION 225% MINIMUM, Z₂ PART MUST RESIST -2% TO +20% VOLUME CHANGE WHEN IMMERSED IN FUEL B FOR 22 HOURS AT 70°F TO 80°F, Z₃ PART OUTSIDE DIAMETER MUST NOT INCREASE MORE THAN 2.5% DURING OR AFTER TESTING IN SPECIFIED MEDIA)
 OPTIONAL: SYNTHETIC RUBBER, GRADE SB610 A₁ B₁ E₂ F₁ IN ACCORDANCE WITH MIL-R-3065 AND MIL-STD-417.
3. GASKETS SHOWN IN THIS STANDARD IN WHICH THE GASKET IS OVER FOUR (4) QUARTERS OLD, SHALL NOT BE DELIVERED TO ANY GOVERNMENT SERVICE, UNLESS INSTALLED ON EQUIPMENT.
4. GASKETS INSTALLED ON EQUIPMENT IN WHICH THE GASKET IS OVER EIGHT (8) QUARTERS OLD, SHALL NOT BE DELIVERED TO ANY GOVERNMENT SERVICE.
5. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ± 1/64.
6. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
7. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
8. MARKING SHALL CONSIST OF THE MS NUMBER, MANUFACTURER'S IDENTIFICATION, AND DATE OF MANUFACTURE, IN ACCORDANCE WITH MIL-STD-190.

REVIEW ACTIVITY: ARMY- ME, MI
 USER ACTIVITIES: ARMY-MI; NAVY-MC

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

APPROVED 17 AUGUST, 1955 REVISED (A) 21 JANUARY, 1958 (B) 23 MARCH 67 (C) 7 DECEMBER 1967

P.A. ARMY-AT Other Cost	TITLE GASKET: SYNTHETIC RUBBER, CAP, FUEL TANK	MILITARY STANDARD
AF-82		MS 35643
PROCUREMENT SPECIFICATION NONE	SUPERSEDES	SHEET OF