



FIRST DASH NO (SIZE)	A SHAFT (NOM)	B ₁ SEAL O D (5)	B ₂ HOUSING BORE (REF)	C WIDTH ± .020
1	2-1/2	3.187	3.182	9/16

REQUIREMENTS

- THE ABOVE DESIGN IS FOR REFERENCE ONLY. OTHER DESIGNS WHICH MEET THE FUNCTIONAL REQUIREMENTS OF THIS TYPE OF SEAL ARE ACCEPTABLE
- SEALING MEMBERS SHALL CONFORM TO ONE OF THE FOLLOWING CLASSES
 CLASS 1: POLYMER-IMPREGNATED LEATHER OR CHROME RETANNED LEATHER IN ACCORDANCE WITH KK-L-164 TANNAGE III. LEATHER SEALING MEMBERS SHALL BE MOLD-PROOFED IN ACCORDANCE WITH O-L-164 (FOR NORMAL OPERATING TEMPERATURE).
 CLASS 2 OIL RESISTANT SYNTHETIC ELASTOMER (FOR NORMAL OPERATING TEMPERATURE).
 CLASS 3 OIL RESISTANT ELASTOMER IN ACCORDANCE WITH HIGH AND LOW TEMPERATURE TESTS OF MIL-S-45005 (FOR EXTREME OPERATING TEMPERATURE).
- MARKING SHALL CONSIST OF THE MS PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.
- THE PART NUMBER CONSISTS OF THE MS NUMBER AND 2 DASH NUMBERS.
 FIRST DASH NUMBER INDICATES THE PART SIZE
 SECOND DASH NUMBER INDICATES THE CLASS
 EXAMPLE MS51921-1-3 INDICATES SIZE NUMBER 1 WITH CLASS 3 SEALING MEMBER.
- DIMENSIONS ARE IN INCHS. TOLERANCES ARE ± .002 FOR SEAL O D UP TO 2.000 AND + .003 - .002 FOR SEAL O D UP TO 3.000, AND + .004 - .002 FOR SEAL O D UP TO 5.000

NOTES

- THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, OR REFERENCED DOCUMENTS.
- 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 BIDS OR REQUEST FOR PROPOSAL, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED
- THE USE OF RECYCLED MATERIALS WHICH MEET THE REQUIREMENTS OF THE APPLICABLE MATERIAL SPECIFICATION WITHOUT JEOPARDIZING THE INTENDED USE OF THE ITEM SHALL BE ENCOURAGED.

(F) ENTIRE STANDARD REVISED

USER ACTIVITIES ARMY HE

REVIEWER ACTIVITIES ARMY-AP

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APPROVED 14 SEP 1961 REVISED (F) 27 OCT 86

P A ARMY-AT Other Cust	INTERNATIONAL INTEREST	TITLE SEAL, PLAIN ENCASED : SINGLE SEALING MEMBER, FACE TYPE	MILITARY STANDARD	
			MS51921	
PROCUREMENT SPECIFICATION MIL-S-45005	SUPERSEDES	CLHX17	SHEET	OF