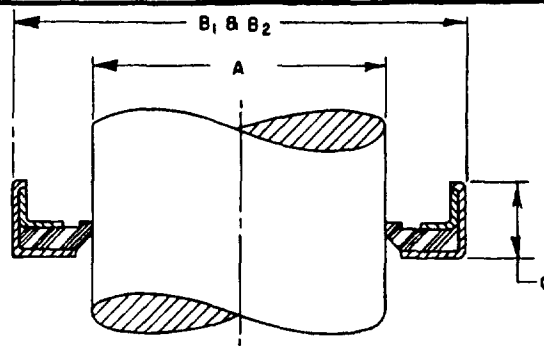


USER ACTIVITIES ARMY-ME

REVIEWER ACTIVITIES ARMY-AR, MI

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FED SUP CLASS  
5330

FIRST DASH NO (SIZE)	A SHAFT DIA (NOM)	B <sub>1</sub> SEAL O D (4)	B <sub>2</sub> HOUSING BORE (REF)	C WIDTH (6)
1	1/4	0.754	0.750	1/4
2	1/2	0.691	0.687	5/64
3	.554	0.813	0.809	7/32
4	7/8	1.250	1.246	1/4
5	7/8	1.314	1.310	1/4
6	1	1.252	1.248	3/32
7	1	1.441	1.437	5/16
8	1	1.504	1.500	1/4
9	1-3/16	2.002	1.998	1/4
10	1-1/4	1.504	1.500	3/32
11	1-1/4	1.756	1.752	1/4
12	1-3/8	1.878	1.874	1/4
13	1-3/8	2.441	2.437	15/32
14	1-9/16	2.690	2.686	3/8

FIRST DASH NO (SIZE)	A SHAFT DIA (NOM)	B <sub>1</sub> SEAL O D (4)	B <sub>2</sub> HOUSING BORE (REF)	C WIDTH (6)
15	1-23/32	2.718	2.714	23/64
16	1-3/4	2.730	2.726	1/2
17	1-3/4	2.754	2.750	31/64
18	1-15/16	3.004	3.000	1/4
19	1-15/16	3.160	3.155	1/4
20	2	3.001	2.997	1/4
21	2-1/8	2.879	2.875	1/4
22	2-1/4	3.317	3.312	3/8
23	2-31/32	4.008	4.003	1/4
24	3-1/2	4.756	4.751	1/4
25	4	5.378	5.373	3/4
26	4-11/16	6.005	6.000	1/4
27	6-3/16	7.508	7.502	1/4
28	6-15/32	7.257	7.251	1/4

REQUIREMENTS 1 THE ABOVE DESIGN IS FOR REFERENCE ONLY. OTHER DESIGNS WHICH MEET THE FUNCTIONAL REQUIREMENTS OF THIS TYPE OF SEAL ARE ACCEPTABLE.

2 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 MEMBER 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)

3 THE PART NUMBER SHALL CONSIST OF THE MS NUMBER AND 2 DASH NUMBERS

THE FIRST DASH NUMBER INDICATES THE PART SIZE

THE SECOND DASH NUMBER INDICATES THE CLASS

EXAMPLE MS51920-2-2 INDICATES SIZE NUMBER 2 WITH CLASS NUMBER 2 SEALING MEMBER

4 DIMENSIONS ARE IN INCHES. TOLERANCES ARE: +.002 FOR SEAL O.D. UP TO 2.000, +.003, -.002 FOR SEAL DIA. UP TO 3.000, +.004, -.002 FOR SEAL O.D. UP TO 7.000, AND +.005, -.002 FOR SEAL O.D. UP TO 8.000. HOUSING BORE DIA. ARE: +.001 FOR BORE DIA. UNDER 3.000, +.0015 FOR BORE DIA. 3.001 TO 7.000, AND +.002 FOR BORE DIA. 7.001 TO 12.000

5 MAXIMUM HOUSING FILLET .030 RADIUS FOR SEALS UNDER 1-5/8 OUTSIDE DIAMETER AND .040 RADIUS FOR SEALS OVER 1-5/8 OUTSIDE DIAMETER

6 WIDTH TOLERANCES FOR SEALS SHALL BE: ±.015 FOR WIDTHS UP TO 4.00, AND ±.020 FOR WIDTHS OVER 4.00

## NOTES

1 THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, OR REFERENCED DOCUMENTS

2 FOR DESIGN PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN

3 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS OR REQUEST FOR PROPOSALS, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED

4 MARKING SHALL CONSIST OF THE MS PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130

5 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

P A ARMY-AT Other Cust	INTERNATIONAL INTEREST	TITLE  SEAL, PLAIN ENCASED: SINGLE SEALING MEMBER, EXTENDED CASE	MILITARY STANDARD  MS51920
PROCUREMENT SPECIFICATION MIL-S-45005	SUPERSEDES:	CLHX16	SHEET   OF

DD FORM 672-1 FULLY COORDINATED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5330-0676

APPROVED 14 SEPT 1961 REVISED (F) 27 OCT 86