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REVIEWER ACTIVITIES: ARMY - MI USER ACTIVITIES: ARMY - ME

ANSC N/A

FED. SUP CLASS 1650							
<p>(a) DIMENSIONS TO BE TAKEN WITH SCRAPER INSTALLED ON HIGH TOLERANCE ROD AS SPECIFIED IN PROCUREMENT SPECIFICATION.</p> <p>(b) APPLICABLE TO ALL METAL TYPE ONLY. RUBBER LOADED TYPE MAY DEVIATE FROM THESE DIMENSIONS AS SPECIFIED ON MANUFACTURER'S DRAWINGS APPROVED AS PART OF QUALIFICATION DATA.</p> <p>MATERIAL: SEE PROCUREMENT SPECIFICATION.</p> <p>FINISH: CADMIUM PLATE, QQ-P-416, CLASS 2, TYPE II. ALL SCRAPERS FABRICATED OF COPPER BASE ALLOYS. SURFACE FACING THE PISTON ROD MAY BE UNPLATED. ALL OTHER SURFACES SHALL BE PLATED AND THE FINISHED SCRAPER SHALL OTHERWISE BE IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.</p> <p>FOR A DISTANCE OF .031 INCHES ON EACH SIDE OF THE SCRAPING EDGE, TOOL MARKS UP TO 50% MAXIMUM WILL BE ACCEPTABLE. THE REST OF THE SCRAPER MAY HAVE TOOL MARKS UP TO 100%.</p> <p>DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.016, ANGLES ±1/2°.</p> <p>INSTALLATION IN ACCORDANCE WITH MS33675.</p> <p>EXAMPLES OF PART NUMBERS: MS287762-21 = SCRAPER FOR 2 INCH ROD, ALL METAL, -65° TO +275°F. MS287762-21 = SCRAPER FOR 2 INCH ROD, WITH RUBBER, -65° TO +275°F.</p> <p>(D) NOTE: THE NUMBER 2 AFTER M OR R DESIGNATES A CLASS 2 TEMPERATURE RANGE. (SEE MIL-R-8049).</p> <p>ALL UNITS REFERENCED IN THIS DOCUMENT CAN BE EITHER SINGLE OR MULTI-PIECE CONSTRUCTION.</p> <p>NOTE: IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.</p> <p>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.</p>							
P.A. Air Force-71 Other Cost Army - AF Navy - NS AF - 99	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">TITLE</td> <td style="width: 70%;">MILITARY STANDARD</td> </tr> <tr> <td>SCRAPER, PISTON ROD</td> <td>MS28776</td> </tr> <tr> <td>PROCUREMENT SPECIFICATION (D) MIL-R-8049</td> <td>SHEET 1 OF 2</td> </tr> </table>	TITLE	MILITARY STANDARD	SCRAPER, PISTON ROD	MS28776	PROCUREMENT SPECIFICATION (D) MIL-R-8049	SHEET 1 OF 2
TITLE	MILITARY STANDARD						
SCRAPER, PISTON ROD	MS28776						
PROCUREMENT SPECIFICATION (D) MIL-R-8049	SHEET 1 OF 2						

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

1650-0433

DATE

DRAWN BY Lucy L. L. L. 611065
 TYPED BY _____
 CHECKED BY _____

NOTES TO PRINTER: REDUCE BORDER TO 6-27/32x9-3/4. PRINT LEFT
 BORDER-LINE ONE INCH FROM LEFT EDGE OF 8-10-1/2 SHEET.
 PRINT BOTTOM BORDER LINE 3/8 INCH FROM BOTTOM EDGE OF 8-10-1/2
 SHEET. SIGNATURE FORM NOT TO BE INCLUDED ON 8-10-1/2 SHEET.

WPS 110475

APPROVED 26 Apr 57 REVISED (A) 3 Jul 63 (B) 6 Apr 73 (C) 7 Sep 87 (D) 15 June 1988

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							FED. SUP CLASS 1650
DASH NO.	NOMINAL ROD OD	(a)(b) SCRAPER OD +.000 -.005	(a)(b) A +.005 DIA	(b) C +.000 -.010	D MAX	BREAKOUT FRICTION LB MAX	
1	1/2	.760	.617				
2	9/16	.803	.680				
3	5/8	.865	.762				
4	11/16	.928	.804				
5	3/4	.990	.867				
6	13/16	1.032	.919				
7	7/8	1.094	.982				
8	15/16	1.157	1.064				
9	1	1.219	1.106				
10	1- 1/16	1.282	1.169		.050		
11	1- 1/8	1.344	1.232				
12	1- 3/16	1.407	1.294				
13	1- 1/4	1.469	1.356	.094			
14	1- 5/16	1.534	1.450				
15	1- 3/8	1.657	1.512				
16	1- 7/16	1.719	1.575				
17	1- 1/2	1.782	1.638				
18	1- 5/8	1.907	1.763				
19	2- 3/16	2.032	1.888				
20	1- 7/8	2.157	2.013				
21	2	2.282	2.138				
22	2- 1/8	2.407	2.263				
23	2- 1/4	2.532	2.388				
24	2- 3/8	2.657	2.513				
25	2- 1/2	2.782	2.638				
26	2- 5/8	2.969	2.794				
27	2- 3/4	3.094	2.919		.093		
28	2- 7/8	3.219	3.044				
29	3	3.344	3.169				
30	3- 1/8	3.469	3.294	.109			
31	3- 1/4	3.594	3.419				
32	3- 3/8	3.719	3.544				
33	3- 1/2	3.844	3.669				
34	3- 5/8	3.969	3.794				
35	3- 3/4	4.094	3.919				
36	3- 7/8	4.219	4.044				
37	4	4.344	4.169				
38	4- 1/8	4.469	4.294				
39	4- 1/4	4.594	4.419				
40	4- 3/8	4.719	4.544				
41	4- 1/2	4.844	4.669				
42	4- 5/8	4.969	4.794				
43	4- 3/4	5.094	4.919	.125	.125		
44	4- 7/8	5.219	5.044				
45	5	5.344	5.169				
46	5- 1/8	5.469	5.294				
47	5- 1/4	5.594	5.419				
48	5- 3/8	5.719	5.544				
49	5- 1/2	5.844	5.669				
50	5- 5/8	5.969	5.794				
51	5- 3/4	6.094	5.919				
52	5- 7/8	6.219	6.044				
53	6	6.344	6.169				
54	6- 1/4	6.469	6.294				
55	6- 1/2	6.594	6.419				
56	6- 3/4	6.719	6.544				
57	7	6.844	6.669				
58	7- 1/4	6.969	6.794	.141			
59	7- 1/2	7.094	6.919				
60	7- 3/4	7.219	7.044				
61	8	7.344	7.169				
62	8- 1/2	7.469	7.294		.250		
63	9	7.594	7.419				
64	9- 1/2	7.719	7.544				
65	10	7.844	7.669				
66	10- 1/2	7.969	7.794				
67	11	8.094	7.919				
68	11- 1/2	8.219	8.044				
69	12	8.344	8.169	.156			
70	12- 1/2	8.469	8.294				
71	13	8.594	8.419				

P.A. Army Force - 71 Other Limit	TITLE SCRAPER, PISTON ROD	MILITARY STANDARD MS28776
PROCUREMENT SPECIFICATION MIL-R-5049	SUPERSEDES: MS 28903	SHEET 2 OF 2

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APPROVED 26 Apr 57 REVISED 15 JUNE 1988

DATE
2 March 1962
DRAWN BY M.C.C.
TYPED BY
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