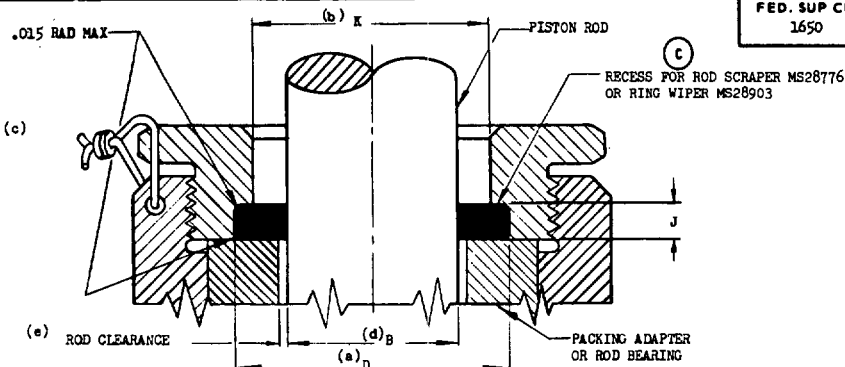


FED. SUP CLASS  
1650



MS28776 SCRAPER DASH NO.	(d) B ROD DIAMETER		SCRAPER RECESS		
	NOMINAL	+0.000 -0.002	(a) D MAJOR DIA +0.004 -0.000	J DEPTH +0.005 -0.000	(b) K MINOR DIA +0.005 -0.000
1	1/2	.198	.760		.617
2	9/16	.560	.823		.710
3	5/8	.623	.885		.772
4	11/16	.685	.948		.834
5	3/4	.748	1.010		.897
6	13/16	.810	1.086		.919
7	7/8	.873	1.148		1.012
8	15/16	.935	1.210		1.074
9	1	.998	1.273		1.136
10	1-1/16	1.060	1.335		1.199
11	1-1/8	1.123	1.398	.104	1.262
12	1-3/16	1.185	1.460		1.324
13	1-1/4	1.248	1.523		1.386
14	1-5/16	1.310	1.614		1.480
15	1-3/8	1.373	1.677		1.542
16	1-7/16	1.435	1.739		1.605
17	1-1/2	1.498	1.802		1.668
18	1-5/8	1.623	1.927	1.793	
19	1-3/4	1.748	2.052	1.918	
20	1-7/8	1.873	2.177	2.043	
21	2	1.998	2.302	.119	2.178
22	2-1/8	2.123	2.427		2.303
23	2-3/8	2.248	2.552		2.428
24	2-5/8	2.373	2.677		2.553
25	2-7/8	2.498	2.802		2.678
26	2-5/8	2.623	2.989		2.834
27	2-3/4	2.748	3.114		2.959
28	2-7/8	2.873	3.239	3.084	
29	3	2.997	3.364	3.209	
30	3-1/8	3.122	3.489	3.334	
31	3-1/4	3.247	3.614	.135	3.459
32	3-3/8	3.372	3.739		3.584
33	3-1/2	3.497	3.864		3.709
34	3-5/8	3.622	3.989		3.834
35	3-3/4	3.747	4.114		3.959
36	3-7/8	3.872	4.239		4.084
37	4	3.997	4.427		4.210
38	4-1/8	4.122	4.552	4.365	
39	4-1/4	4.247	4.677	4.490	
40	4-3/8	4.372	4.802	4.615	

MS28776 SCRAPER DASH NO.	(d) B ROD DIAMETER		SCRAPER RECESS			
	NOMINAL	+0.000 -0.003	(a) D MAJOR DIA +0.005 -0.000	J DEPTH +0.005 -0.000	(b) K MINOR DIA +0.005 -0.000	
41	4-1/2	4.497	4.927	.135	4.740	
42	4-5/8	4.622	5.052		4.865	
43	4-3/4	4.747	5.177		4.990	
44	4-7/8	4.872	5.302		5.115	
45	5	4.997	5.427		5.240	
46	5-1/8	5.122	5.552		.151	5.365
47	5-1/4	5.247	5.677			5.490
48	5-3/8	5.372	5.802			5.615
49	5-1/2	5.497	5.927			5.740
50	5-5/8	5.622	6.114			5.896
51	5-3/4	5.747	6.239	.166		6.022
52	5-7/8	5.872	6.364			6.146
53	6	5.997	6.489			6.272
54	6-1/4	6.247	6.739			6.522
55	6-1/2	6.497	6.989			6.772
56	6-3/4	6.747	7.239		.182	7.022
57	7	6.997	7.489			7.272
58	7-1/4	7.247	7.739			7.522
59	7-1/2	7.497	7.989			7.772
60	7-3/4	7.747	8.239			8.022
61	8	7.997	8.489	.198		8.272
62	8-1/2	8.497	8.989			8.772
63	9	8.997	9.489			9.272
64	9-1/2	9.497	9.989			9.772
65	10	9.997	10.489			10.272
66	10-1/2	10.497	10.989		.214	10.772
67	11	10.997	11.489			11.272
68	11-1/2	11.497	11.989			11.772
69	12	11.997	12.489			12.272
70	12-1/2	12.497	12.989			12.772
71	13	12.997	13.489	.230		13.272
13-1/2	13.497					
14	13.997					
14-1/2	14.497					
15	14.997					
15-1/2	15.497					

- (a) MAJOR DIAMETER (D) TO BE CONCENTRIC WITH ROD BUSHING BORE WITHIN .005 T.I.R.
- (b) MINOR DIAMETER (K) TO BE CONCENTRIC WITH ROD BUSHING BORE WITHIN .010 T.I.R.
- (c) RETENTION AND SAFETYING BY MEANS OF ANY APPROVED DEVICE.
- (d) ROD DIA FROM MIL-G-5514.
- (e) ROD CLEARANCE IN ACCORDANCE WITH MIL-G-5514

DIMENSIONS IN INCHES.

MS28903 MAY BE USED IN SIZES -1 THRU -20 FOR WIPER RING APPLICATIONS.  
THIS IS A DESIGN STANDARD. NOT TO BE USED AS A PART NUMBER.

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.A. USAF - 11 Other Cust Army - AV Navy - AS	(C) TITLE SCRAPER, INSTALLATION, PACKING GLAND RING	MILITARY STANDARD <b>MS33675</b>
PROCUREMENT SPECIFICATION NONE	SUPERSEDES: MS33675(ASG)	SHEET 1 OF 1

DD FORM 1 SEP 57 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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Revisions:  
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 USAF - ASU(11), OCAWA (71)  
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This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

APPROVED 3 May 57 REVISED 20 Feb 61 21 Jan 64 13 Aug 71