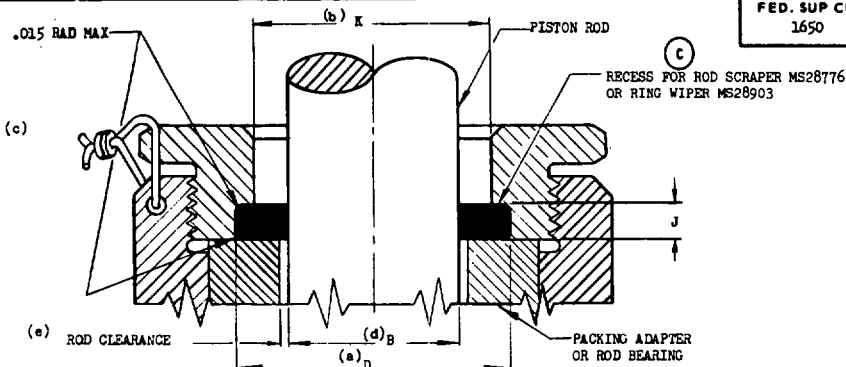


FED. SUP CLASS  
1650

MS28776 SCRAPER DASH NO.	(d) B ROD DIAMETER		SCRAPER RECESS		
	NOMINAL	+ .000 - .002	(a) D MAJOR DIA + .004 - .000	J DEPTH + .005 - .000	(b) K MINOR DIA + .005 - .000
1	1/2	.198	.750		.647
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		1.262
12	1-3/16	1.185	1.460		1.324
13	1-1/4	1.248	1.523	.104	1.386
14	1-5/16	1.310	1.644		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		2.178
22	2-1/8	2.123	2.427		2.303
23	2-3/8	2.248	2.552		2.428
24	2-1/2	2.373	2.677		2.553
25	2-5/8	2.498	2.802		2.678
26	2-3/4	2.623	2.927		2.834
27	2-7/8	2.748	3.052		2.959
28	3	2.873	3.177		3.084
29	3-1/8	2.998	3.302		3.209
30	3-1/4	3.123	3.427		3.334
31	3-1/2	3.248	3.552	.119	3.459
32	3-3/8	3.373	3.677		3.584
33	3-1/2	3.498	3.802		3.709
34	3-5/8	3.623	3.927		3.834
35	3-3/4	3.748	4.052		3.959
36	3-7/8	3.873	4.177		4.084
37	4	3.998	4.302		4.209
38	4-1/8	4.123	4.427	.135	4.334
39	4-1/4	4.248	4.552		4.459
40	4-3/8	4.373	4.677		4.584

MS28776 SCRAPER DASH NO.	(d) B ROD DIAMETER		SCRAPER RECESS		
	NOMINAL	+ .000 - .003	(a) D MAJOR DIA + .005 - .000	J DEPTH + .005 - .000	(b) K MINOR DIA + .005 - .000
41	4-1/2	4.497	4.927		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	.135	5.240
46	5-1/8	5.122	5.552		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		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		7.022
57	7	6.997	7.489	.151	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		8.272
62	8-1/2	8.247	8.739		8.522
63	9	8.497	8.989		8.772
64	9-1/2	8.747	9.239		9.022
65	10	8.997	9.489		9.272
66	10-1/2	9.247	9.739		9.522
67	11	9.497	9.989	.166	9.772
68	11-1/2	9.747	10.239		10.022
69	12	9.997	10.489		10.272
70	12-1/2	10.247	10.739		10.522
71	13	10.497	10.989		10.772
	13-1/2	10.747	11.239		11.022
	14	10.997	11.489		11.272
	14-1/2	11.247	11.739		11.522
	15	11.497	11.989		11.772
	15-1/2	11.747	12.239		12.022

- (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	(C)	TITLE	MILITARY STANDARD
Army - AV Navy - AS		SCRAPER, INSTALLATION, PACKING GLAND RING	MS33675
PROCUREMENT SPECIFICATION NONE		SUPERSEDES: MS33675(ASG)	SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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Reviews:  
 Navy - AS  
 USAF - ASX(11), OCAVA (71)  
 Army - AV

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.

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