

REVIEWER: AS, AT, S, CL, ME, MU, OS  
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This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

DASH NUMBER		PIPE SIZE (SEE NOTE 8)	A LENGTH OF EXTERNAL THREAD MIN	C WIDTH OF HEAD (SEE NOTE 11) MIN		D HEIGHT OF HEAD MIN	G METAL THICKNESS (SEE NOTE 9)	T LENGTH OF INTERNAL THREAD MIN
IRON OR STEEL	ALUMINUM			NOM	OUTSIDE			
1	2	1/4 X 1/8	0.44	**0.64	----	0.14	----	*0.26
3	4	3/8 X 1/4	0.48	**0.68	----	0.16	----	*0.40
5	6	3/8 X 1/8	0.48	**0.68	----	0.16	----	0.25
7	8	1/2 X 3/8	0.56	**0.87	----	0.19	----	*0.41
9	10	1/2 X 1/4	0.56	**0.87	----	0.19	----	0.32
11	12	1/2 X 1/8	0.56	**0.87	----	0.19	----	0.25
13	14	3/4 X 1/2	0.63	**1.15	----	0.22	----	*0.53
15	16	3/4 X 3/8	0.63	**1.15	----	0.22	----	0.36
17	18	3/4 X 1/4	0.63	**1.15	----	0.22	----	0.32
19	20	3/4 X 1/8	0.63	**1.15	----	0.22	----	0.25
21	22	1 X 3/4	0.75	**1.42	----	0.25	----	0.50
23	24	1 X 1/2	0.75	**1.42	----	0.25	----	0.43
25	26	1 X 3/8	0.75	----	1.12	0.30	----	0.36
27	28	1 X 1/4	0.75	----	1.12	0.30	----	0.32
29	30	1 X 1/8	0.75	----	1.12	0.30	----	0.25
31	32	1-1/4 X 1	0.80	1.76	----	0.28	----	0.58
33	34	1-1/4 X 3/4	0.80	1.76	----	0.28	----	0.50
35	36	1-1/4 X 1/2	0.80	----	1.34	0.34	0.185	0.43
37	38	1-1/4 X 3/8	0.80	----	1.12	0.34	0.185	0.36
39	40	1-1/4 X 1/4	0.80	----	1.12	0.34	0.185	0.32
41	42	1-1/2 X 1-1/4	0.83	2.00	----	0.31	----	*0.71
43	44	1-1/2 X 1	0.83	2.00	----	0.31	----	0.58
45	46	1-1/2 X 3/4	0.83	----	1.63	0.37	0.200	0.50
47	48	1-1/2 X 1/2	0.83	----	1.34	0.37	0.200	0.43
49	50	1-1/2 X 3/8	0.83	----	1.12	0.37	0.200	0.36
51	52	1-1/2 X 1/4	0.83	----	1.12	0.37	0.200	0.32
53	54	2 X 1-1/2	0.88	2.48	----	0.34	----	0.70
55	56	2 X 1-1/4	0.88	2.48	----	0.34	----	0.67
57	58	2 X 1	0.88	----	1.95	0.41	0.220	0.58
59	60	2 X 3/4	0.88	----	1.63	0.41	0.220	0.50
61	62	2 X 1/2	0.88	----	1.34	0.41	0.220	0.43
63	64	2 X 3/8	0.88	----	1.12	0.41	0.220	0.36
65	66	2 X 1/4	0.88	----	1.12	0.41	0.220	0.32
67	68	2-1/2 X 2	1.07	2.98	----	0.37	----	0.75
69	70	2-1/2 X 1-1/2	1.07	2.68	----	0.44	----	0.70
71	72	2-1/2 X 1-1/4	1.07	----	2.39	0.44	0.240	0.67
73	74	2-1/2 X 1	1.07	----	1.95	0.44	0.240	0.58
75	76	2-1/2 X 3/4	1.07	----	1.63	0.44	0.240	0.50
77	78	2-1/2 X 1/2	1.07	----	1.34	0.44	0.240	0.43
79	80	3 X 2-1/2	1.13	3.86	----	0.40	----	0.92
81	82	3 X 2	1.13	3.28	----	0.48	----	0.75
83	84	3 X 1-1/2	1.13	----	2.68	0.48	0.260	0.70
85	86	3 X 1-1/4	1.13	----	2.39	0.48	0.260	0.67
87	88	3 X 1	1.13	----	1.95	0.48	0.260	0.58
89	90	3 X 3/4	1.13	----	1.63	0.48	0.260	0.50
91	92	3 X 1/2	1.13	----	1.34	0.48	0.260	0.43
93	94	3-1/2 X 3	1.18	4.62	----	0.43	----	0.98
95	96	3-1/2 X 2-1/2	1.18	3.86	----	0.52	----	0.92
97	98	3-1/2 X 2	1.18	----	3.28	0.52	0.280	0.75
99	100	3-1/2 X 1-1/2	1.18	----	2.68	0.52	0.280	0.70
101	102	3-1/2 X 1-1/4	1.18	----	2.39	0.52	0.280	0.67
103	104	3-1/2 X 1	1.18	----	1.95	0.52	0.280	0.58

(Continued on sheet 2) **(A) CANCELLED** For procurement use **WW-P-471**

P.A. WC Other Cust YD 82	TITLE BUSHINGS, PIPE-ALUMINUM, IRON OR STEEL	MILITARY STANDARD <b>MS51887</b>
PROCUREMENT SPECIFICATION WW-P-471	SUPSEDES.	SHEET 1 OF 2

DD FORM 672-1 (Continued)

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