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This standard has been approved by the Naval Ship Engineering Center, Department of the Navy and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

P.A. SHIPS
Other Cast

PROCUREMENT SPECIFICATION
(B) FF-S-111

PROJECT 5305-N0239B

DD FORM 1 SEP 57 672-1 N

LIMITED COORDINATION

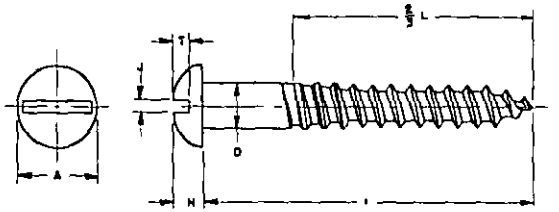
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SUPERSEDES:

TITLE
SCREWS, WOOD, SLOTTED ROUND HEAD, COPPER-SILICON ALLOY, NONMAGNETIC

MILITARY STANDARD
MS16216(SHIPS)

SHEET 1 OF 1



SIZE NO.		4	5	6	7	8	10	12	14	16	18	20
THREADS PER INCH		22	20	18	16	15	13	11	10	9	8	8
DIAMETER	MAX.	0.116	0.129	0.142	0.155	0.168	0.194	0.220	0.246	0.272	0.298	0.324
	MIN.	.105	.118	.131	.144	.157	.183	.209	.235	.261	.287	.313
(A) HEAD DIAMETER	MAX.	.211	.236	.260	.285	.309	.359	.408	.457	.506	.555	.604
	MIN.	.193	.217	.240	.264	.287	.334	.382	.429	.476	.523	.570
(H) HEIGHT OF HEAD	MAX.	.086	.095	.103	.111	.119	.136	.152	.169	.185	.202	.219
	MIN.	.075	.083	.091	.099	.107	.124	.140	.156	.172	.188	.205
(J) WIDTH OF SLOT	MAX.	.039	.043	.048	.048	.054	.060	.067	.075	.075	.084	.084
	MIN.	.031	.036	.039	.039	.045	.050	.056	.064	.064	.072	.072
(T) DEPTH OF SLOT	MAX.	.058	.063	.068	.072	.077	.087	.093	.106	.115	.125	.134
	MIN.	.044	.047	.051	.055	.058	.065	.073	.080	.087	.094	.101
LENGTH TOLERANCE		.09	.10	.10	.11	.12	.13	.15	.16	.18	.20	.22
LENGTH		DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
1/2		58	---	61	---	1	--	--	--	--	--	--
5/8		59	60	62	---	2	9	--	--	--	---	--
3/4		--	--	63	67	69	70	72	--	--	--	--
7/8		--	--	--	--	3	10	--	--	--	--	--
1		--	--	64	68	4	11	16	23	--	--	--
1-1/4		--	--	65	--	5	12	17	24	73	--	--
1-1/2		--	--	66	--	6	13	18	25	33	41	49
1-3/4		--	--	--	--	7	14	19	26	34	42	50
2		--	--	--	--	8	15	20	27	35	43	51
2-1/4		--	--	--	--	--	--	21	28	36	44	52
2-1/2		--	--	--	--	--	71	22	29	37	45	53
2-3/4		--	--	--	--	--	--	--	30	38	46	54
3		--	--	--	--	--	--	--	31	39	47	55
3-1/2		--	--	--	--	--	--	--	32	40	48	56
4		--	--	--	--	--	--	--	---	--	--	57

1. MATERIAL: COPPER-SILICON ALLOY SHALL BE IN ACCORDANCE WITH QQ-C-591, COPPER ALLOY NO. 651.
2. TENSILE STRENGTH: MINIMUM TENSILE STRENGTH SHALL BE 50,000 P.S.I.
3. LENGTH TOLERANCE: PLUS TOLERANCE = 0.
4. DIMENSIONS: ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED.
5. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.
6. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

FED. SUP CLASS 5305

APPROVED 8 MAY 1957 REVISED (A) 8 MARCH 1963 REVISED (B) 8 MARCH 1967