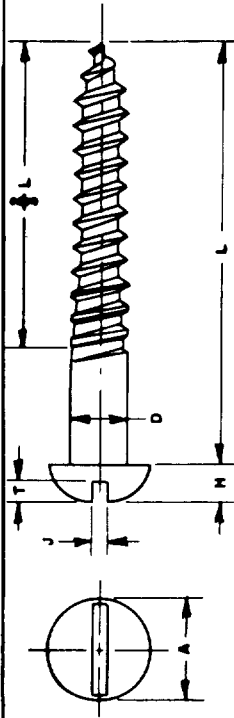


This standard has been approved by the Naval Ship Engineering Center, Department of the Navy, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

(Project
5303-N010Sh)



CUSTODIANS
Ships

OTHER INT.
A -
N -
AF -

MILITARY STANDARD

SCREWS, WOOD, SLOTTED ROUND HEAD, AUSTENITIC CORROSION
RESISTING STEEL, NON-MAGNETIC

MS 16198
(SHIPS)

PROCUREMENT SPECIFICATION
MS 16198-1

SUPERSEDES:

SHEET 1 OF 1

DD FORM 672-1
1 OCT 62

Nominal size	8	10	12	14	16	18	20
Threads per inch	15	13	11	10	9	8	8
Basic dia. D	0.164	0.190	0.216	0.242	0.268	0.294	0.320
Head dia. (A)	.309 Max. .287 Min.	.359 Max. .334 Min.	.408 Max. .382 Min.	.457 Max. .429 Min.	.506 Max. .476 Min.	.555 Max. .523 Min.	.604 Max. .570 Min.
Height of head (H)	.119 Max. .107 Min.	.136 Max. .124 Min.	.152 Max. .140 Min.	.169 Max. .156 Min.	.185 Max. .172 Min.	.202 Max. .198 Min.	.219 Max. .206 Min.
Width of slot (J)	.054 Max. .045 Min.	.060 Max. .050 Min.	.067 Max. .056 Min.	.075 Max. .064 Min.	.084 Max. .072 Min.	.094 Max. .082 Min.	.104 Max. .092 Min.
Depth of slot (T)	.077 Max. .058 Min.	.087 Max. .065 Min.	.096 Max. .073 Min.	.106 Max. .080 Min.	.115 Max. .087 Min.	.125 Max. .094 Min.	.134 Max. .101 Min.
Length	1/2	5/8	7/8	1	1 1/4	1 1/2	1 3/4
Length tolerance	+0 -1/32	+0 -3/64	+0 -1/16	+0 -1/16	+0 -1/16	+0 -1/16	+0 -3/32
MS part No.	1	2	3	4	5	6	7
FIIN	10	11	12	13	14	15	16
MS part No.	17	18	19	20	21	22	23
FIIN	17	18	19	20	21	22	23
MS part No.	24	25	26	27	28	29	30
FIIN	24	25	26	27	28	29	30
MS part No.	31	32	33	34	35	36	37
FIIN	31	32	33	34	35	36	37
MS part No.	38	39	40	41	42	43	44
FIIN	38	39	40	41	42	43	44
MS part No.	45	46	47	48	49	50	51
FIIN	45	46	47	48	49	50	51
MS part No.	52	53	54	55	56	57	58
FIIN	52	53	54	55	56	57	58

Material: Austenitic corrosion resisting steel shall be in accordance with class 302, 304, 305, 310 or 316 of Specification QQ-S-763 or composition PS 302, 304, 310 or 316 of Specification QQ-W-423.
Permeability: The magnetic permeability of the screws shall be 2.0 (mu) when measured with a permeability indicator in accordance with Specification MIL-I-17214.

Length of thread: Length of thread shall be approximately 2/3 L.

Dimensions: All dimensions are in inches unless otherwise specified.

Protective coating: Passivate. in accordance with QQ-P-35. (A)

Notes:

- Referenced documents shall be the issue in effect on date of invitation for bids.
- In case of conflict with documents referenced herein, this standard shall govern.

FED. SUP. CLASS
5305

APPROVED 8 May 1957. REVISED 19 August 1966