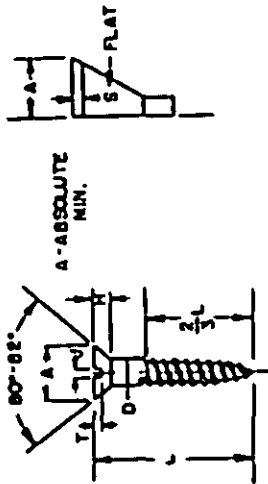


This standard has been approved by the Naval Ship Engineering Center, Department of the Navy, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.



Nominal size through 1/4 inch	9		10		12		14	
	MS part No.	PIIN	MS part No.	PIIN	MS part No.	PIIN	MS part No.	PIIN
(D) Basic diameter		0.164		0.190		0.216		0.242
(A) Diameter of head		.332		.385		.438		.481
(H) Height of head		.308		.359		.410		.461
(J) Width of slot		.282		.340		.389		.437
(T) Depth of slot		.109		.116		.132		.148
(S) Flat on min. screw		.084		.089		.112		.127
(L) Length		.054		.050		.056		.064
		.045		.053		.060		.068
		.048		.034		.038		.044
		.008		.007		.009		.009
Length tolerance								
1/2	1							
5/8	2							
3/4	3							
7/8	4							
1	5							
1-1/4	6							
1-1/2	7							
1-3/4	8							
2	9							
2-1/4	10							
2-1/2	11							
2-3/4	12							
3	13							
3-1/2	14							
4	15							
4-1/2	16							
5	17							
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(Project 5303-N012Sh) (A) For changes see sheets 1 and 2

APPROVED 8 MAY 1957 REVISED (A) 19 AUGUST 1966

CUSTODIANS Ships	OTHER INT. A. N.	MILITARY STANDARD		MS16217
		SCREWS, WOOD, SLOTTED FLAT HEAD 82°, AUSTENITIC, CORROSION-RESISTING STEEL, NONMAGNETIC		
PROCUREMENT SPECIFICATION MIL-STD-111		SUPERSEDES:		SHEET 1 OF 2

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.

CUSTODIANS		OTHER INT.		16		18		20		24	
Ships		A.A.S.F.		9		8		8		7	
PROCUREMENT SPECIFICATION		MILITARY STANDARD		MS part No.		FIIN		MS part No.		FIIN	
① PH-S-111		SCREWS, WOOD, SLOTTED FLAT HEAD 82°, AUSTENITIC, CORROSION-RESISTING STEEL, NONMAGNETIC		MS part No.		FIIN		MS part No.		FIIN	
SUPERSEDES:		RESISTING STEEL, NONMAGNETIC		MS part No.		FIIN		MS part No.		FIIN	
SHEET 2		OF 2		MS part No.		FIIN		MS part No.		FIIN	
Nominal size											
Threads per inch											
(D) Basic diameter	+0.004 -0.007			0.288		0.294		0.320		0.572	
(A) Diameter of head	Max. sharp Min. sharp Absolute min. with flat			.544 .512 .485		.597 .563 .534		.650 .614 .582		.756 .716 .678	
(H) Height of head	Max. Min.			.184 .141		.180 .155		.196 .170		.228 .198	
(J) Width of slot	Max. Min.			.075 .064		.084 .072		.084 .072		.081 .081	
(T) Depth of slot	Max. Min.			.073 .058		.083 .054		.080 .059		.105 .083	
(S) Flat on min. screw				.010		.011		.012		.013	
(L) Length	Length tolerance										
1/2	+0										
5/8	-1/32										
3/4											
7/8											
1-1/4	+0										
1-1/2	-3/64										
1-3/4											
2-1/4	+0										
2-1/2	-1/16										
2-3/4											
3											
3-1/2	+0										
4	-3/32										
4-1/2											
5											

Material: Austenitic corrosion-resisting steel shall be in accordance with class 302, 304, 305, 310 or 316 of Specification QQ-S-763 or composition FS 302, 304, 310 or 316 of Specification QQ-W-423.
 Tensile strength: Tensile strength shall be 70,000 p.s.i. minimum.
 Permeability: The magnetic permeability of the screws shall not exceed 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: SCREWS shall be passivated in accordance with QQ-P-35. A

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

FED. SUP. CLASS
5305

APPROVED 8 MAY 1957 REVISED A For changes see sheets 1 and 2