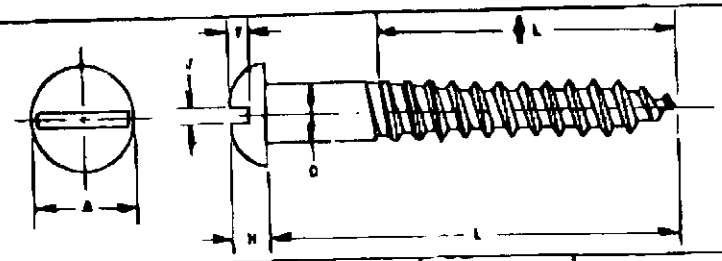
This standard has been approved by the Naval Ship Engineering Center, Department of the Navy, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

(Project 5303-N010Sh)



Nominal size		8		10		12		14		16		18		20	
Threads per inch		16		13		11		10		9		8		8	
Basic dia. D	+0.004 -0.007	0.164		0.190		0.216		0.242		0.268		0.294		0.320	
Head dia. (A)	Max.	.309		.359		.408		.457		.506		.555		.604	
	Min.	.297		.334		.382		.429		.476		.523		.570	
Height of head (H)	Max.	.119		.136		.152		.169		.185		.202		.219	
	Min.	.107		.124		.140		.156		.172		.188		.205	
Width of slot (J)	Max.	.054		.060		.067		.075		.075		.084		.084	
	Min.	.045		.050		.058		.064		.064		.072		.072	
Depth of slot (T)	Max.	.077		.087		.098		.106		.115		.125		.134	
	Min.	.058		.065		.073		.080		.087		.094		.101	
Length	Length tolerance	MS part No.	FINH	MS part No.	FINH	MS part No.	FINH	MS part No.	FINH	MS part No.	FINH	MS part No.	FINH	MS part No.	FINH
1/2	+0 -1/32	1		--		--		--		--		--		--	
5/8		2		9		--		--		--		--		--	
7/8		3		10		--		--		--		--		--	
1	+0 -3/64	4		11		16		23		--		--		--	
1-1/4		5		12		17		24		33		41		49	
1-1/2		6		13		18		25		34		42		50	
1-3/4		7		14		19		26		35		43		51	
2	+0 -1/16	8		15		20		27		36		44		52	
2-1/4		-		--		21		28		37		46		53	
2-1/2		-		--		22		29		38		46		54	
2-3/4		-		--		--		30		39		47		55	
3	+0 -3/32	-		--		--		31		40		48		56	
3-1/4		-		--		--		32		--		--		57	
4		-		--		--		--		--		--		--	

Material: Austenitic corrosion resisting steel shall be in accordance with class 301, 303, 304, 305, 310 or 316 of Specification QQ-S-763 or composition FS 302, 304, 310 or 316 of Specification QQ-W-423.
Permeability: The magnetic permeability of the screws shall be 2.0 (μ) 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:
1. Referenced documents shall be the issue in effect on date of invitation for bids.
2. In case of conflict with documents referenced herein, this standard shall govern.

APPROVED 8 May 1957. REVISED (A) 19 August 1966

MILITARY STANDARD

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

MS 16198 (SHPS)

SHEET 1 OF 1

FSC 5305

DISTRIBUTION STATEMENT A

Approved for public release; distribution unlimited.