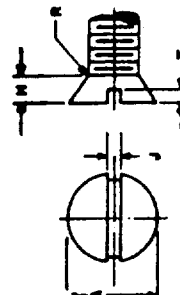
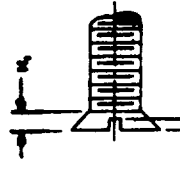
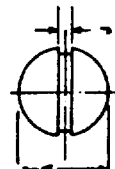



This standard has been approved by the Naval Ship Engineering Center, Department of the Navy, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

FED. SUP. CLASS
5305

FULL HEAD

UNDERCUT HEAD

MAY BE ROUNDED

Nominal size (D) Threads per inch	1/4		3/8		1/2		5/8		3/4	
	MS part No.	FIIN	MS part No.	FIIN	MS part No.	FIIN	MS part No.	FIIN	MS part No.	FIIN
Body diameter (D)	Max. 0.250	0.250	Max. 0.375	0.375	Max. 0.500	0.500	Max. 0.625	0.625	Max. 0.750	0.750
Head diameter (A)	Max. 0.242	0.242	Max. 0.368	0.368	Max. 0.494	0.494	Max. 0.620	0.620	Max. 0.746	0.746
Head diameter (A)	Min. 0.207	0.207	Min. 0.333	0.333	Min. 0.459	0.459	Min. 0.585	0.585	Min. 0.711	0.711
Slot width (J)	Max. 0.075	0.084	Max. 0.094	0.094	Max. 0.109	0.109	Max. 0.133	0.133	Max. 0.149	0.149
Slot width (J)	Min. 0.064	0.064	Min. 0.081	0.081	Min. 0.091	0.091	Min. 0.116	0.116	Min. 0.131	0.131
Flat (S)	Max. 0.009	0.013	Max. 0.013	0.013	Max. 0.018	0.018	Max. 0.023	0.023	Max. 0.027	0.027
Flat (S)	Min. 0.000	0.000	Min. 0.000	0.000	Min. 0.000	0.000	Min. 0.000	0.000	Min. 0.000	0.000
Head height (H)	Max. 0.153	0.230	Max. 0.230	0.230	Max. 0.223	0.223	Max. 0.298	0.298	Max. 0.372	0.372
Head height (H)	Min. 0.131	0.200	Min. 0.200	0.200	Min. 0.186	0.186	Min. 0.253	0.253	Min. 0.318	0.318
Slot depth (T)	Max. 0.046	0.070	Max. 0.070	0.070	Max. 0.103	0.103	Max. 0.137	0.137	Max. 0.171	0.171
Slot depth (T)	Min. 0.038	0.055	Min. 0.055	0.055	Min. 0.085	0.085	Min. 0.111	0.111	Min. 0.142	0.142
Head height (H1)	Max. 0.086	0.132	Max. 0.132	0.132	Max. 0.160	0.160	Max. 0.212	0.212	Max. 0.264	0.264
Head height (H1)	Min. 0.073	0.098	Min. 0.098	0.098	Min. 0.123	0.123	Min. 0.167	0.167	Min. 0.211	0.211
Slot depth (T1)	Max. 0.046	0.070	Max. 0.070	0.070	Max. 0.085	0.085	Max. 0.114	0.114	Max. 0.142	0.142
Slot depth (T1)	Min. 0.000	0.000	Min. 0.000	0.000	Min. 0.000	0.000	Min. 0.000	0.000	Min. 0.000	0.000
Length (L)	Length tolerance		Length tolerance		Length tolerance		Length tolerance		Length tolerance	
1	+0	1		6						
1-1/2	-1/32	2		7						
2	+0	3		8						
2-1/2	-1/16	4		9						
3		5		10						
3-1/2	+0	6		11						
4	-3/32	7		12						
5		8		13						
6		9		14						
7		10		15						
8		11		16						
9	+0	12		17						
10	-1/8	13		18						
12		14		19						
		15		20						
		16		21						
		17		22						
		18		23						
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		33		38						
		34		39						
		35		40						
		36		41						

*Have undercut head.

(Project 5305-NO13Sh) A For changes see sheets 1 and 2

APPROVED 8 MAY 1967 REVISED 19 AUGUST 1966

CUSTODIANS	OTHER INT.	MILITARY STANDARD	MS16219
Ships	A - N - M -	SCREWS, MACHINE, FLAT COUNTERSUNK HEAD, SLOTTED, NON-	(SHIPS)
PROCUREMENT SPECIFICATION ADP-5-92		MAGNETIC, CORROSION RESISTING STEEL, PASSIVATED, UNC12A	
SUPERSEDES:			SHEET 1 of 2

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Material: Material shall be austenitic corrosion resisting steel in accordance with class 302, 303, 304, 305, 310 or 316 of Specification QQ-S-763 or composition FS 302, 304, 310 or 316 of Specification QQ-W-423.

Threads: Threads shall be in accordance with Handbook H28.

Magnetic permeability: Magnetic permeability shall be 2.0 maximum (mp) at 100/200 oersteds.

Dimensions: All dimensions are in inches, unless otherwise specified.

Protective coating: Screws shall be passivated in accordance with QQ-P-35.

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.

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

CUSTODIANS Ships	OTHER INT. A - N - AF -	MILITARY STANDARD	MS16219 (SHIPS)
		SCREWS, MACHINE, FLAT COUNTERSUNK HEAD, SLOTTED, NONMAGNETIC, CORROSION RESIST-	
Procurement Specification (A) FT-S-92		ING STEEL, PASSIVATED, UNC-2A	SHEET 2 OF 2