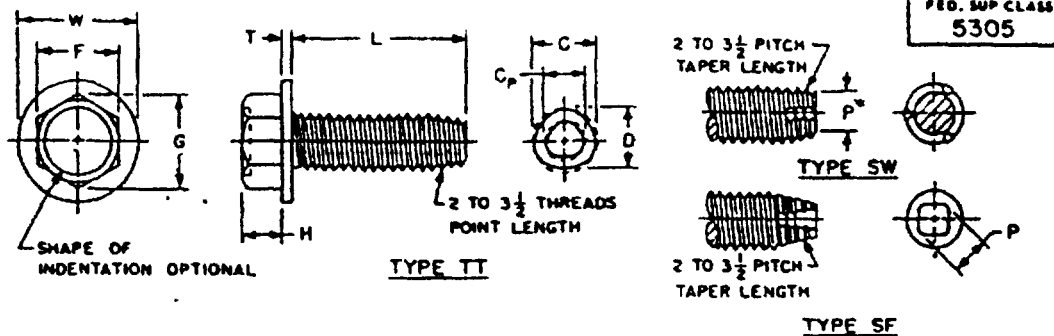


MIL-STD-883C, IS, MU, MS
 158, AS, AT, MC, ME, OS, YD

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.



FED. SUP CLASS
5305

NOMINAL SIZE		.138	.190	.250			
THREADS PER INCH		32	24	20			
F ACROSS FLATS	MAX	.250	.312	.375			
	MIN	.244	.305	.367			
G ACROSS CORNERS	MIN	.272	.340	.409			
H HEAD HEIGHT	MAX	.093	.120	.190			
	MIN	.080	.105	.172			
T WASHER THICKNESS	MAX	.025	.031	.050			
	MIN	.015	.019	.030			
W WASHER DIAMETER	MAX	.328	.414	.520			
	MIN	.302	.384	.480			
C DIAMETER	MAX	.141	.194	.2550			
	MIN	.135	.188	.2490			
C _p POINT DIAMETER	MAX	.111	.153	.206			
D ACROSS CENTER	MAX	.135	.185	.2460			
	MIN	.129	.179	.2400			
P _a POINT DIAMETER TYPE SW	MAX	.096	.1295	.190			
	MIN	.091	.1245	.175			
P POINT DIAMETER TYPE SF	MAX	.106	.147	.195			
	MIN	.095	.133	.181			
L LENGTH	TOL	DASH NUMBER					
		CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL	CARBON STEEL	CRES STEEL
.250		1	C1				
.375		2	C2				
.500	+ .000	3	C3	12	C12	23	C23
.625	- .030	4	C4	13	C13	24	C24
.750		5	C5	14	C14	25	C25
				15	C15		
.875				16	C16	26	C26
1.000	+ .000			17	C17	27	C27
1.250	- .050					28	C28
1.500						29	C29
1.750	+ .000					30	C30
2.000	- .060					31	C31

* Before threading

NOTES

- MATERIAL** Carbon steel and corrosion-resisting steel (410) in accordance with procurement specification.
- PROTECTIVE COATING:** Carbon steel-Cadmium plated in accordance with QQ-P-416, Type II, Class 2 or MIL-C-51562, Type II, Class 2.
Corrosion-resisting steel-Passivated in accordance with QQ-P-35.
- THREADS** The threads shall be in accordance with the applicable requirements of the procurement specification.
- DIMENSIONS.** All dimensions are in inches.
- PART NUMBER.** The MS part number consists of the MS number, plus the dash number.
Example MS51869-1.
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Type TT tri-lobular section is maintained throughout the full length of the screw.

P A Other Case SH E2	MC	TITLE	MILITARY STANDARD
		SCREW, TAPPING-HIGH PERFORMANCE, THREAD ROLLING, TYPES SF, SW AND TT, HEXAGON WASHER HEAD	MS51869
PROCUREMENT SPECIFICATION FF-5-107	SUPERSEDES	MS51869 in part	SHEET 1 OF 1

DD FORM 672-1 (Continued)

FOR YOUR INFORMATION OF THIS FORM AND SPECIFICATIONS

APPROVED 29 SEP 1972 REVISED