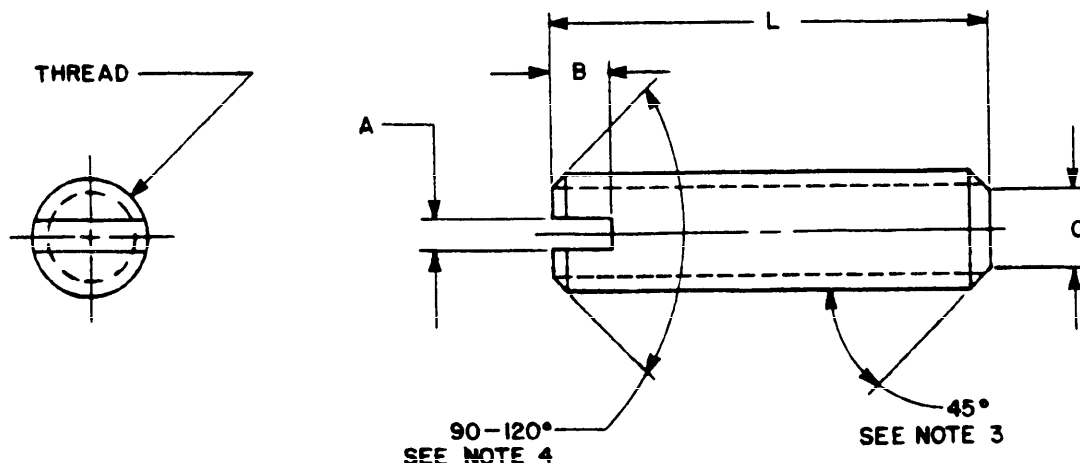


FED SUP CLASS  
5305

User activity:

ARMY - CE, ER, ME  
NAVY - MC, OS, SH

Review activities:

ARMY - AV, MI  
DLA - IS  
NSA - NS

## REQUIREMENTS

1. **MATERIAL.** STEEL, LOW OR MEDIUM CARBON IN ACCORDANCE WITH FF-S-210.
2. **FINISH.** CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 3 (5.1  $\mu$ m THICK).
3. **THREADS.** IN ACCORDANCE WITH FED-STD-H28/21, TOLERANCE CLASS-6g, BEFORE PLATING.
4. **HARDNESS.** 30-37HRC OR SURFACE HARDENED TO 64HR30N, MINIMUM
5. **PART NUMBER.** THE DS PART NUMBER CONSISTS OF THE DS NUMBER PLUS THE DASH NUMBER. EXAMPLE: DS51411-1.

## NOTES:

1. **DIMENSIONS.** UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS (mm)
2. **TOLERANCES.** ANGLES  $\pm 5^\circ$  UNLESS OTHERWISE SPECIFIED.
3. THE  $45^\circ$  ANGLE APPLIES ONLY TO THE PORTION OF THE POINT BELOW THE ROOT DIAMETER OF THE THREAD.
4. CHAMFER ON FACE SHALL EXTEND SLIGHTLY BELOW THE THREAD ROOT. THE EDGE BETWEEN THE FACE AND CHAMFER MAY BE SLIGHTLY ROUNDED.
5. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED
6. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

This military standard is approved 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, when applicable

P. A. AR  
Other Cust. 99International  
interest

## TITLE

SETSCREW, SLOTTED HEADLESS, FLAT POINT,  
CARBON STEEL, CADMIUM PLATED,  
METRIC

## MILITARY STANDARD

DS51411

PROCUREMENT SPECIFICATION  
FF-S-210

SUPERSEDES:

PAGE 1 OF 2

DD FORM 672-1 (Coordinated)  
1 MAR 72

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5305-1426

METRIC

FED SUP CLASS  
5305

## User activities:

Army - CE, ER, ME  
NAVY - MC, OS, SH

## Review activities:

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this document, when applicable

Thread designation			M1.6x0.35	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1	M8x1.25	M10x1.5
C	max.		0.80	1.00	1.50	2.00	2.50	3.50	4.00	5.50	7.00
	min.		0.55	0.75	1.25	1.75	2.25	3.20	3.70	5.20	6.64
A	min.		0.31	0.31	0.46	0.46	0.66	0.86	1.06	1.26	1.66
	max.		0.45	0.45	0.60	0.60	0.80	1.00	1.20	1.51	1.91
B	min.		0.88	1.00	1.10	1.25	1.75	2.00	2.50	3.10	3.75
	max.		1.06	1.20	1.33	1.50	2.05	2.35	2.90	3.60	4.25
L			Dash numbers								
nom	min	max									
2.0	1.7	2.3	-1	-8							
2.5	2.2	2.8	-2	-9	-16						
3.0	2.7	3.3	-3	-10	-17	-24					
4.0	3.7	4.3	-4	-11	-18	-25	-33				
5.0	4.7	5.3	-5	-12	-19	-26	-34	-42			
6.0	5.7	6.3	-6	-13	-20	-27	-35	-43	-51		
8.0	7.7	8.3	-7	-14	-21	-28	-36	-44	-52	-60	
10.0	9.7	10.3		-15	-22	-29	-37	-45	-53	-61	-70
12.0	11.7	12.3			-23	-30	-38	-46	-54	-62	-71
14.0	13.5	14.5				-31	-39	-47	-55	-63	-72
16.0	15.5	16.5				-32	-40	-48	-56	-64	-73
20.0	19.5	20.5					-41	-49	-57	-65	-74
25.0	24.5	25.5						-50	-58	-66	-75
30.0	29.5	30.5							-59	-67	-76
35.0	34.5	35.5								-68	-77
40.0	39.5	40.5								-69	-78
45.0	44.5	45.5									-79
50.0	49.5	50.5									-80

METRIC

P. A.	AR	International interest	TITLE	MILITARY STANDARD
Other Cust.	99		SETSCREW, SLOTTED HEADLESS, FLAT POINT, CARBON STEEL, CADMIUM PLATED, METRIC	DS51411
PROCUREMENT SPECIFICATION	SUPERSEDES.		PAGE	OF
FF-S-210			2	2