

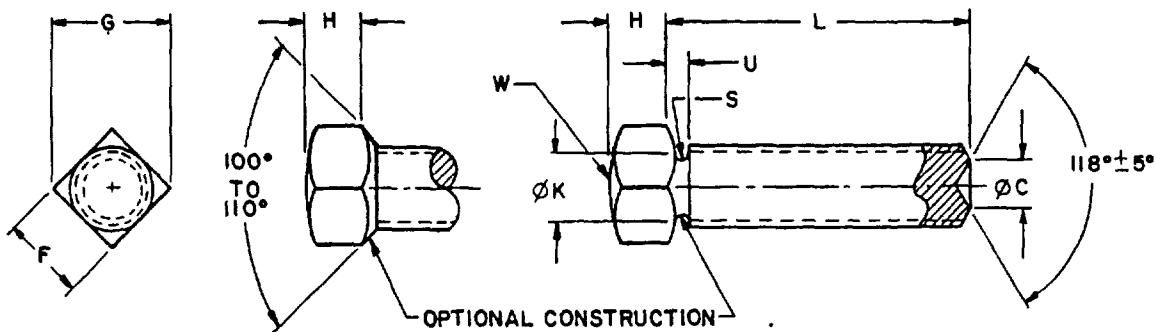
FED SUP CLASS
5305

TABLE I. DIMENSIONS AND PART NUMBERS

NOMINAL SIZE	.375	.500	.750
THREADS PER INCH UNC-2A	16	13	10
F - WIDTH ACROSS FLATS - - - - - MAX MIN	375 362	5000 4840	750 729
G - WIDTH ACROSS CORNERS - - - - - MAX MIN	.520 497	.750 .6650	1.062 1.001
H - HEIGHT OF HEAD - - - - - MAX MIN	.293 .270	.3890 3610	.582 504
S - RADIUS OF NECK RELIEF - - - - - MAX	.041	.0500	.065
Ø K - DIAMETER OF NECK RELIEF - - - - - MAX MIN	.294 279	.4000 .3850	.625 605
U - WIDTH OF NECK RELIEF - - - - - MAX	125	1540	.200
W - RADIUS OF HEAD - - - - -	.940	1.2500	1.380
Ø C - DIAMETER OF POINT - - - - - MAX MIN	.212 194	.2910 .2700	.450 425
L LENGTH	TOLERANCE		
	OVER 625		
2.500 3.000	+ .000 - .180	DASH 10	DASH 10

APPROVED 1 AUG 84
REVISED

PA Other Cost	AR SH 99	INTERNATIONAL INTEREST	TITLE SETSCREW, SQUARE HEAD, CUP POINT, CARBON STEEL, UNC - 2A	MILITARY STANDARD MS51487
PROCUREMENT SPECIFICATION FF-S-210		SUPERSEDES		PAGE 1 OF 2

DD FORM 672-1 (COORDINATED)

5305-1495

USER ACTIVITIES
ARMY - ME, MI
NAVY - MC, OSREVIEWER ACTIVITIES
ARMY - EA
DLA - IS
NSA - NSThis 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.

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REQUIREMENTS:

1. **MATERIAL** CARBON STEEL SHALL BE IN ACCORDANCE WITH ASTM A29-79 GRADE 1010 (UNS G10100), GRADE 1020 (UNS G10200), GRADE 1035 (UNS G10350), A570 GRADE 1045 (UNS G10450), GRADE 1137 (UNS G11370), A570 GRADE 1144 (UNS G11440), GRADE 12L13 (UNS G12134) OR GRADE 12L14 (UNS G12144), IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
2. **HARDNESS** 30-37HRC OR MAY BE SURFACE HARDENED TO NOT LESS THAN 50 SHPTON
3. **FINISH** ZINC COATING IN ACCORDANCE WITH ASTM B633-78, Fe/Zn 5 (5 μ m), TYPE II
4. **THREADS** THREADS SHALL BE IN ACCORDANCE WITH FED-STD-429/2. ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-429/20, SYSTEM 21
5. **PART NUMBER** THE BASIC PART NUMBER IS FOLLOWED BY A DASH NUMBER FROM TABLE 1

EXAMPLE MS51487-1 - SETSCREW, SQUARE HEAD, CUP POINT, CARBON STEEL, 3/16-16UNC-2A, LENGTH 2.500, ZINC COATED

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. REFERENCE 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.
3. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

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P.A. Other Cont	AR SH 99	INTERNATIONAL INTEREST	TITLE SETSCREW, SQUARE HEAD, CUP POINT, CARBON STEEL, UNC-2A	MILITARY STANDARD MS51487
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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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