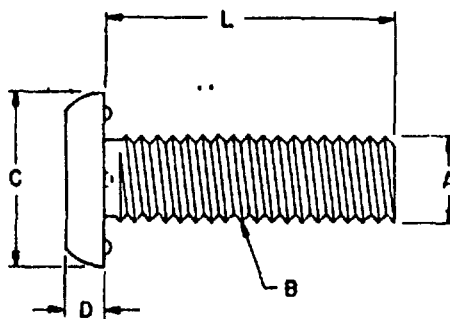
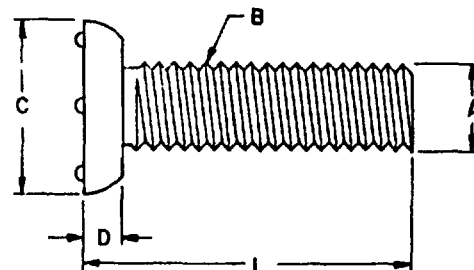


FED SUP CLASS  
5306

TYPE A



TYPE B

NOTICE—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government assumes no responsibility for any obligation whatsoever. It is the fact that the Government may have furnished, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication as an endorsement in any manner by the holder or any other person or corporation or conveying any right, or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

TYPE A				
A NOMINAL SIZE	#10(.190)	1/4	5/16	3/8
B THREADS PER INCH	32UNF-2A	28UNF-2A	24UNF-2A	24UNF-2A
MAJOR DIAMETER	Max. .1891 Min. .1831	2490 .2425	.3114 .3042	.3739 .3667
C HEAD DIAMETER	7/16	9/16	3/4	7/8
D HEAD HEIGHT	1/16	5/64	3/32	7/64
L LENGTH	Dash Number	Dash Number	Dash Number	Dash Number
3/8	1	8		
1/2	2	9	15	
5/8	3	10	16	
3/4	4	11	17	
1	5	12	18	22
1-1/4			19	
TYPE B				
A NOMINAL SIZE	#10(.190)	1/4	5/16	1/2
B THREADS PER INCH	32UNF-2A	28UNF-2A	24UNF-2A	20UNF-2A
MAJOR DIAMETER	Max. .1891 Min. .1831	.2490 .2425	.3114 .3042	.4987 .4906
C HEAD DIAMETER	3/8	1/2	5/8	1
D HEAD HEIGHT	1/16	5/64	3/32	9/16
L LENGTH	Dash Number	Dash Number	Dash Number	Dash Number
3/8	25	32		
1/2	26	33		
5/8	27	34	39	42
3/4	28	35		43
1	29	36		44
1-1/4				45

**MATERIAL:** Size #10, steel, AISI type C1010. Size 1/4 to 1/2 incl.; steel, AISI type C1015

**PROTECTIVE COATING:** Uncoated.

**THREADS:** All threads shall be in accordance with Screw-Threads Standards for Federal Services, Handbook H-28

**TOLERANCES:** Fractions:  $\pm 1/64$  Lengths: +0, -1/32 thru 1 inch; +0, -1/16 over 1 inch

**PART NUMBER:** The MS part number consists of the MS number plus the dash number Example: MS51933-1

**DIMENSIONS:** All dimensions are in inches unless otherwise specified.

**NOTES:**

- (1) Referenced documents shall be of the issue in effect on date of invitations for bid
- (2) Welding bolts shall be threaded as close to the head as practicable.

This standard has been approved by the Department of the Army and is mandatory for use by that activity. All other military activities are required to employ this standard when suitable.

P A	WC	TITLE	MILITARY STANDARD
Other Cust		BOLT, WELDING-FINE THREAD	MS51933 (WC)
PROCUREMENT SPECIFICATION	SUPERSEDES	SHEET	OF
NONE	BAWX1 in part, BAWX2 in part.	1	1