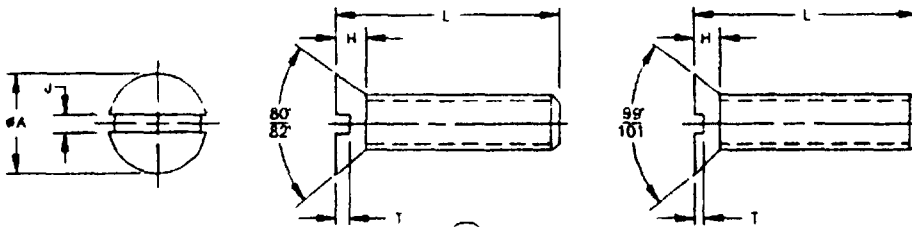


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODDS SPECIFIED IN THE SOLICITATION FT-S-92

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE

Form Approved
OMB No 0704-0188



(B) TABLE I

NOMINAL SIZE		2 (086)		4 (112)		6 (138)		8 (164)		10 (190)				1/4 (250)				
THREADS - 2A		56UNC		40UNC		32UNC		32UNC		24UNC		32UNF		20UNC		28UNF		
#A HEAD	MAX	172		225		279		332		385				507				
	MIN	147		191		238		285		333				442				
H HEAD HEIGHT	80°	053		067		083		100		116				153				
	100° MAX	037		049		060		072		083				110				
J SLOT WIDTH	MAX	033		039		048		054		060				075				
	MIN	023		031		039		045		050				064				
T SLOT DEPTH	80°	MAX	023		030		038		045		053				070			
		MIN	015		020		024		029		034				046			
	100°	MAX	019		024		030		036		042				055			
		MIN	012		017		022		027		031				042			
L LENGTH	TOL	DASH NUMBER																
		8Z	100Z	8Z	100Z	8Z	100Z	8Z	100Z	8Z	100Z	8Z	100Z	8Z	100Z	8Z	100Z	
125 188 250 312		1C	9C															
		2C	10C	17C	28C	39C	50C	61C	72C									
		3C	11C	18C	29C	40C	51C	62C	73C									
		4C	12C	19C	30C	41C	52C	63C	74C	83C	96C	83F	96F	109C	122C	109F	122F	
375 438 500 625	+0 - .031	5C	13C	20C	31C	42C	53C	64C	75C	84C	97C	84F	97F	110C	123C	110F	123F	
		6C	14C	21C	32C	43C	54C	65C	76C	85C	98C	85F	98F	111C	124C	111F	124F	
		7C	15C	22C	33C	44C	55C	66C	77C	86C	99C	86F	99F	112C	125C	112F	125F	
		8C	16C	23C	34C	45C	56C	67C	78C	87C	100C	87F	100F	113C	126C	113F	126F	
750 875 1000				24C	35C	46C	57C	68C	79C	88C	101C	88F	101F	114C	127C	114F	127F	
				25C	36C	47C	58C	69C	80C	89C	102C	89F	102F	115C	128C	115F	128F	
				26C	37C	48C	59C	70C	81C	90C	103C	90F	103F	116C	129C	116F	129F	
				27C	38C	49C	60C	71C	82C	91C	104C	91F	104F	117C	130C	117F	130F	
1125 1250 1375 1500 1750	+0 - .062									92C	105C	92F	105F	118C	131C	118F	131F	
										93C	106C	93F	106F	119C	132C	119F	132F	
										94C	107C	94F	107F	120C	133C	120F	133F	
										95C	108C	95F	108F	121C	134C	121F	134F	

REQUIREMENTS

- (B) 1. MATERIAL. PLASTIC (NYLON) NATURAL COLOR, IN ACCORDANCE WITH ASTM D4066 GROUP 01, CLASS 1 GRADE 1
- (B) 2. THREADS. THREADS SHALL BE UNIFIED STANDARD CLASS 2A IN ACCORDANCE WITH FED-STD-H28/2 ACCEPTABLE SCREW THREADS ARE THOSE WHICH CAN BE THREADED BY HAND WITH A NUT TO AT LEAST THE LAST TWO FULLY FORMED THREADS CLOSEST TO THE SCREW'S HEAD THE NUT SHALL BE FERROUS HEXAGON TYPE UNC-2B OR UNF-2B AS APPLICABLE, CONFORMING DIMENSIONALLY TO ANSI B18.6.3
3. THREAD LENGTH. FULL FORM THREADS SHALL EXTEND TO WITHIN TWO THREADS OF THE BEARING SURFACE OF THE HEAD OR CLOSER IF PRACTICABLE
- (B) 4. GATE VESTIGE. THE GATE VESTIGE LENGTH SHALL BE LIMITED TO 0.25 MAX AND SHALL NOT BE INCLUDED IN ANY TOLERANCES
5. PART NUMBER. THE MS PART NUMBER CONSISTS OF THE MS NUMBER PLUS THE DASH NUMBER
EXAMPLE MS18211-1C

NOTES

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES
2. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS
3. FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN
4. MS18211 SUPERSEDES MS16268

(B) DENOTES CHANGE(S)

INCH-POUND

PREPARING ACTIVITY DLA -IS	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER
CUSTODIANS ARMY-AR NAVY-SH	TITLE	MS18211 07 JAN 94
AIR FORCE-99 DLA-	SCREW, MACHINE 82° AND 100°, FLAT COUNTERSUNK HEAD, SLOTTED, PLASTIC (NYLON), UNC-2A AND UNF-2A	REV B
REVIEW AV, MI NSA, BS		SUPERSEDING
USER AS AT CL MC ME OS		MS18211 A 3 JUL 1969 (SEE NOTE 4)
PROJECT NUMBER 5305-2029		AMSC- N/A FSC 5305

DISTRIBUTION STATEMENT

A Approved for public release distribution is unlimited

Page 1 of 2

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION FT-S-92

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE

Form Approved
OMB No 0704-0188

- 5 IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE
- 6 REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THIS ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN

(B) TABLE II

THE DASH NUMBERS SHOWN IN THIS TABLE ARE INACTIVE FOR NEW DESIGN AFTER 3 JUL 1969

NOMINAL SIZE	2 (086)		4 (112)		6 (138)		8 (164)	
THREADS (-2A)	64UNF		48UNF		40UNF		36UNF	
LENGTH	DASH NUMBER							
	8Z	100'	8Z	100'	8Z	100'	8Z	100'
125	1F	9F						
188	2F	10F	17F	28F	39F	50F	61F	72F
250	3F	11F	18F	29F	40F	51F	62F	73F
312	4F	12F	19F	30F	41F	52F	63F	74F
375	5F	13F	20F	31F	42F	53F	64F	75F
438	6F	14F	21F	32F	43F	54F	65F	76F
500	7F	15F	22F	33F	44F	55F	66F	77F
625	8F	16F	23F	34F	45F	56F	67F	78F
750			24F	35F	46F	57F	68F	79F
875			25F	36F	47F	58F	69F	80F
1 000			26F	37F	48F	59F	70F	81F
1 125			27F	38F	49F	60F	71F	82F

INTERCHANGEABILITY TABLE

THE FOLLOWING TABLE SHOWS THE INTERCHANGEABILITY RELATIONSHIP BETWEEN THE CANCELLED DASH NUMBERS OF MS18268 AND THE DASH NUMBERS OF THIS STANDARD

TABLE III

DASH NUMBERS					
CANCELLED MS18268	SUPERSEDING MS18211	CANCELLED MS18268	SUPERSEDING MS18211	CANCELLED MS18268	SUPERSEDING MS18211
1	33C	11	79C	17	103F
2	35C	12	81C	20	125C
5	55C	15	99F	21	127C
6	57C	16	101F	22	129C
10	77C				

PREPARING ACTIVITY DLA -IS CUSTODIANS ARMY-AR NAVY-SH AIR FORCE-99 DLA- REVIEW AV, MI, NSA, 85 USER AS, AT, CL, MC ME OS PROJECT NUMBER 5305-2029	MILITARY SPECIFICATION SHEET TITLE SCREW, MACHINE, 8Z AND 100, FLAT COUNTERSUNK HEAD, SLOTTED, PLASTIC (NYLON), UNC-2A AND UNF-2A	SPECIFICATION SHEET NUMBER MS18211 07 JAN 94 REV B SUPERSEDING MS18211 A 3 JUL 1969 (SEE NOTE 4) AMSC- N/A FSC 5305
DISTRIBUTION STATEMENT A. Approved for public release distribution is unlimited		Page <u>2</u> of <u>2</u>