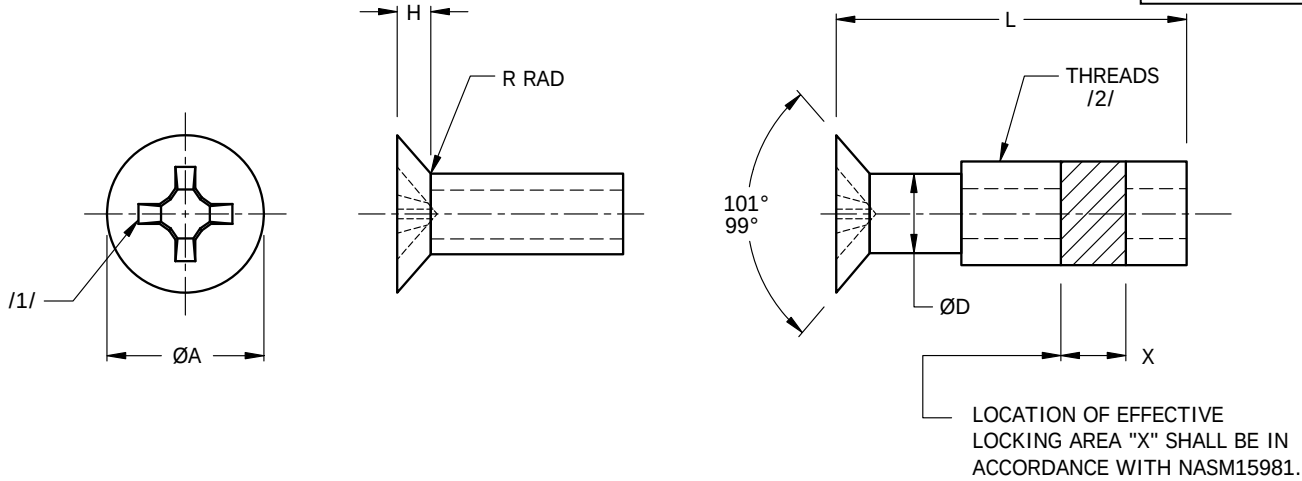


FED. SUPPLY CLASS

5305



② TABLE I – DIMENSIONS

DASH NO. DIA	THREAD /2/	ØD		ØA			H		R RAD MAX	ULTIMATE TENSILE STRENGTH LBF MIN	DRIVER SIZE
		MAX	MIN	SHARP MAX	SHARP MIN	ABS MIN	MAX	MIN			
02	.0860-56 UNC-2A	.0860	.0717	.182	.156	.150	.043	.032	.036	200	1
04	.1120-40 UNC-2A	.1120	.0925	.225	.207	.200	.048	.040	.050	380	
06	.1380-32 UNC-2A	.1380	.1141	.279	.257	.249	.060	.051	.062	545	
08	.1640-32 UNC-2A	.1640	.1399	.332	.308	.300	.072	.062	.071	770	2
3	.1900-32 UNF-2A	.1900	.1658	.385	.357	.348	.083	.072	.083	1,000	
4	.2500-28 UNF-2A	.2500	.2225	.507	.477	.462	.110	.097	.108	2,000	3
5	.3125-24 UNF-2A	.3125	.2806	.635	.600	.581	.138	.123	.148	3,200	4
6	.3750-24 UNF-2A	.3750	.3430	.762	.722	.700	.165	.148	.178	4,830	

MATERIAL:

CARBON STEEL, ~~FED-STD-66~~ AIR4127.

FINISH:

CADMIUM PLATED, SPECIFICATION AMS-QQ-P-416, TYPE II, CLASS 3.

EXAMPLES OF PART NUMBER:

② MS21093-0201 = SCREW, SELF-LOCKING, 250 °F, CARBON STEEL, CADMIUM PLATED, .0860-56 UNC-2A, .1875 LONG.

② MS21093-343 = SCREW, SELF-LOCKING, 250 °F, CARBON STEEL, CADMIUM PLATED, .1900-32 UNF-2A, .375 LONG.

UNASSIGNED DASH NUMBERS SHALL NOT BE USED.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21093, REVISION B. PART NUMBERS REMAIN MS21093.

THIRD ANGLE PROJECTION		CUSTODIAN		REVISION	
		NATIONAL AEROSPACE STANDARDS COMMITTEE		2	
PROCUREMENT SPECIFICATION	MIL-DTL-18240/FF-S-92	TITLE		CLASSIFICATION PART STANDARD	
		SCREW, SELF-LOCKING, 250 °F, STEEL, 55 KSI Ft _u , 100° FLAT HEAD, CROSS RECESSED		NASM21093 SHEET 1 OF 2	

NOTES:

- /1/ DRIVE RECESS: RECESS SHALL BE IN ACCORDANCE WITH NASM9006.
- /2/ THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28. THE THREADS SHALL EXTEND TO WITHIN 2 THREADS OR LESS OF HEAD SURFACE OR SCREW LENGTH 2 INCHES OR SHORTER. LENGTHS OVER 2 INCHES SHALL HAVE A MINIMUM THREAD LENGTH OF 1.750 INCHES. (2)
- (3) BASED ON STRESS AREA EQUAL TO $\pi \left(\frac{E}{2} - \frac{3H}{16} \right)^2$ SEE FED-STD-H28.
- /4/ MIL-DTL-18240 DOES NOT ESTABLISH REQUIREMENTS FOR LENGTH OF THREADS LESS THAN 9 PITCHES. THEREFORE, ONLY POSITIVE INDICATION OF TORQUE IS REQUIRED FOR SCREWS HAVING LENGTHS ABOVE THIS HEAVY LINE.
- (5) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (6) LOCKING ELEMENT IN ACCORDANCE WITH MIL-DTL-18240. LOCKING ELEMENT AREA MUST PASS THROUGH A RING GAGE EQUAL TO MAXIMUM MAJOR THREAD DIAMETER + .010 FREELY WITH FINGER PRESSURE.
- (7) DESIGN AND USAGE LIMITATIONS: SEE NASM15981.
- (8) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (9) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (2) (10) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (11) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (2) (12) FOR DESCRIPTION OF STATUS NOTES SEE NAS380.

TABLE II – LENGTH DASH NUMBERS (2)

L		THREAD SIZE AND PITCH							
LENGTH	TOLERANCE	.0860-56	.1120-40	.1380-32	.1640-32	.1900-32	.2500-28	.3125-24	.3750-24
.1875	+.000 -.031	01	89						
.250		02	09	18					
.312		03	10	19	31				
.375		04	11	20	32	43			
.4375		05	12	21	33	44			
.500		06	13	22	34	45	56		
.625		07	14	23	35	46	57	67	77
.750		08	15	24	36	47	58	68	78
.875	+.000 -.062		16	25	37	48	59	69	79
1.000			17	26	38	49	60	70	80
1.250				27	39	50	61	71	81
1.500				28	40	51	62	72	82
1.750				29	41	52	63	73	83
2.000				30	42	53	64	74	84
2.250						54	65	75	85
2.500						55	66	76	86
2.750	+.000 -.094								87
3.000									88

REVISION

2

NASM21093

SHEET 2



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