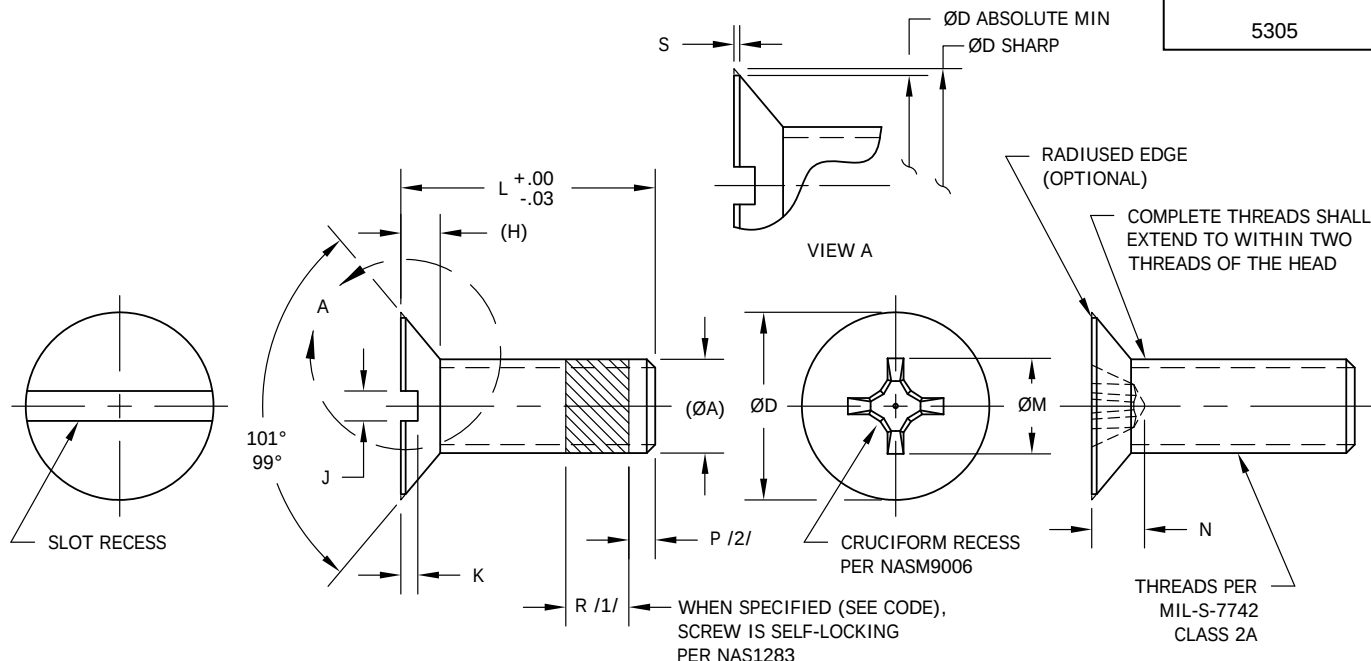


FED. SUPPLY CLASS

5305



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TABLE I - DIMENSIONS

SCREW SIZE	(ØA) SCREW	ØD HEAD		(H) HEAD HEIGHT		J SLOT WIDTH		K SLOT DEPTH		ØM RECESS		N RECESS DEPTH	S MAX
		SHARP MAX	ABSOLUTE MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		
.0600-80 UNF-2A	.060	.119	.096	.025	.019	.023	.016	.015	.010	--	--	--	.010
.0730-64 UNC-2A	.073	.146	.120	.030	.024	.026	.019	.019	.012	--	--	--	.011
.0860-56 UNC-2A	.086	.172	.143	.036	.029	.031	.023	.023	.015	.099	.089	.060	.012
.0990-48 UNC-2A	.099	.199	.167	.042	.034	.035	.027	.027	.017	.104	.094	.065	.014

MATERIAL: CARBON STEEL (UNS K00802) PER AMS5061.
CRES 300 SERIES PER AMS-QQ-S-763 OR AMS-S-7720, OR 384 (UNS S38400) OR XM-7 (UNS S30430) PER ASTM A493; EXCEPT 80,000 PSI MINIMUM ULTIMATE STRENGTH
BRASS (UNS C36000) PER ASTM B16/B16M TEMPER H02 OR (UNS C27000) PER ASTM B134/B134M

FINISH: CARBON STEEL - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
CRES - PASSIVATE PER AMS-QQ-P-35 AMS2700, METHOD 1, CLASS 4.
BRASS - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2, YELLOW IRIDESCENT POST PLATE.

CODE: ADD "-" BEFORE FIRST DASH NUMBER FOR ALLOY STEEL, CADMIUM PLATED.
ADD "C" BEFORE FIRST DASH NUMBER FOR CRES, PASSIVATED.
ADD "B" BEFORE FIRST DASH NUMBER FOR BRASS, CADMIUM PLATED.
ADD "R" BEFORE SECOND DASH NUMBER FOR CRUCIFORM RECESS. SIZES .0860 AND .0990 ONLY MAY HAVE CRUCIFORM RECESS.
ADD "LE" BEFORE SECOND DASH NUMBER FOR OPTIONAL SELF-LOCKING ELEMENT, "LL" FOR STRIP TYPE, "LN" FOR BUTTON TYPE OR "LP" FOR PATCH TYPE. OMIT FOR NON-SELF-LOCKING.

THIRD ANGLE PROJECTION

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PROCUREMENT SPECIFICATION

TITLE

CLASSIFICATION
PART STANDARD

NOTED

SCREW, MACHINE, FLAT 100 DEGREE HEAD, PLAIN AND SELF-LOCKING

NAS662
SHEET 1 OF 2



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EXAMPLES OF PART NUMBERS:

NAS662-3-4 = .0990-48 STEEL SCREW, CADMIUM PLATED, .250 INCH LONG WITH SLOT RECESS, NON SELF-LOCKING.

NAS662C3R4 = .0990-48 CRES SCREW, .250 INCH LONG WITH CRUCIFORM RECESS, NON-SELF-LOCKING.

NAS662-3LER4 = .0990-48 STEEL SCREW, CADMIUM PLATED, .250 INCH LONG WITH CRUCIFORM RECESS AND OPTIONAL SELF-LOCKING ELEMENT.

NOTES: /1/ "R" MINIMUM (5 THREAD PITCHES) - REGION OF MINIMUM ENGAGEMENT WITH FULL FEMALE THREAD REQUIRED FOR OPTIMUM LOCKING. LENGTH OR DIAMETER OF LOCKING ELEMENT MAY BE MORE OR LESS THAN "R" PROVIDING ALL OTHER REQUIREMENTS ARE MET.

/2/ "P" - ONE COMPLETE THREAD PLUS UNTHREADED PORTION OF END. FOR EASE IN STARTING, LOCKING ELEMENT SHALL NOT BE EFFECTIVE WITHIN THIS AREA.

(3) REMOVE ALL BURRS AND SHARP EDGES.

(4) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.

(5) FOR CRES, MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH H = 200 OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR PER ASTM A342/A342M, TEST METHOD 3.

~~(6) PARTS WITH CLASS 3 PLATING MAY BE SUPPLIED UNTIL 30 APRIL 1976.~~

(7) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

/8/ SCREWS LONGER THAN THOSE IN TABLE ARE AVAILABLE IN .125 INCH INCREMENTS BY USE OF WHOLE DASH NUMBERS ONLY.

(13) (9) 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.

(10) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

(13) (11) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

PROCUREMENT SPECIFICATION: FF-S-92, EXCEPT AS NOTED AND MIL-DTL-18240.

TABLE II – LENGTHS AND DASH NUMBERS (13)

L /8/	.0600-80	.0730-64	.0860-56	.0990-48	L /8/	.0600-80	.0730-64	.0860-56	.0990-48
.125	0-2	1-2	2-2	3-2	.812			2-13	3-13
.188	0-3	1-3	2-3	3-3	.875			2-14	3-14
.250	0-4	1-4	2-4	3-4	.938			2-15	3-15
.312	0-5	1-5	2-5	3-5	1.000			2-16	3-16
.375	0-6	1-6	2-6	3-6	1.125			2-18	3-18
.438	0-7	1-7	2-7	3-7	1.250			2-20	3-20
.500	0-8	1-8	2-8	3-8	1.375				3-22
.562			2-9	3-9	1.500				3-24
.625			2-10	3-10	1.750				3-28
.688			2-11	3-11	2.000				3-32
.750			2-12	3-12					

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SHEET 2



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