

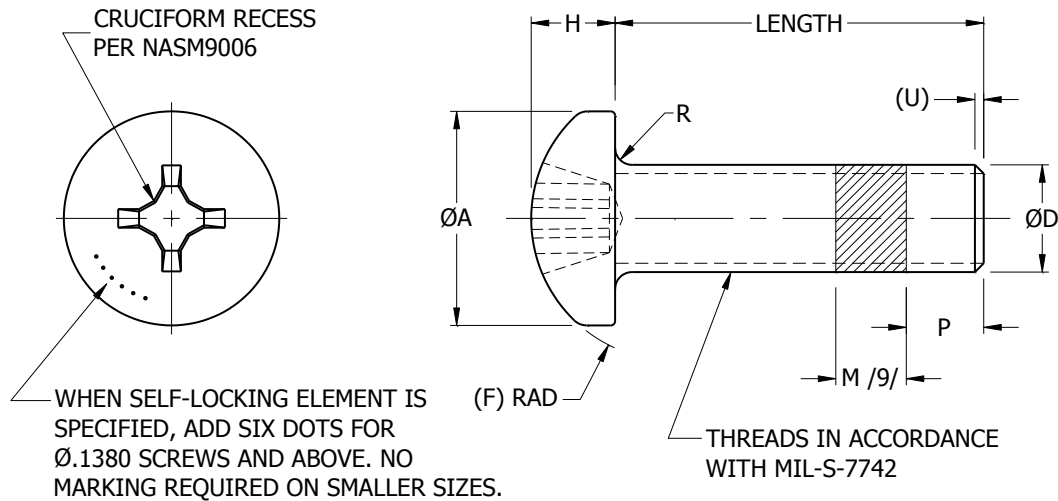


TABLE I – DIMENSIONS

BASIC PART NUMBER	THREAD	ØA	H	R RAD	ØD MAX	(U)	(F) RAD	DRIVER SIZE
NAS1635-00	.0600-80 UNF-2A	.116 .104	.044 .036	.010 .005	.060	.010	.091	#0
NAS1635-01	.0730-64 UNC-2A	.142 .130	.053 .044	.010 .005	.073	.010	.111	#0
NAS1635-02	.0860-56 UNC-2A	.167 .155	.062 .053	.010 .005	.086	.010	.132	#1
NAS1635-04	.1120-40 UNC-2A	.219 .205	.080 .070	.010 .005	.112	.013	.173	#1
NAS1635-06	.1380-32 UNC-2A	.270 .256	.097 .087	.010 .005	.138	.016	.207	#2
NAS1635-08	.1640-32 UNC-2A	.322 .306	.115 .105	.020 .010	.164	.016	.244	#2
NAS1635-3	.1900-32 UNF-2A	.373 .357	.133 .122	.020 .010	.190	.016	.284	#2
NAS1635-4	.2500-28 UNF-2A	.492 .473	.175 .162	.020 .010	.250	.018	.373	#3
NAS1635-5	.3125-24 UNF-2A	.615 .594	.218 .203	.020 .010	.312	.021	.527	#4
NAS1635-6	.3750-24 UNF-2A	.740 .716	.261 .244	.025 .015	.375	.021	.652	#4

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 5
PROCUREMENT SPECIFICATION NONE	TITLE SCREW, MACHINE, PAN HEAD, CRUCIFORM RECESS, FULL THREAD, NON-LOCKING AND SELF-LOCKING	CLASSIFICATION PART STANDARD

TABLE II – LENGTH CHART

TOLERANCE $^{+.000}_{-.030}$		TOLERANCE $^{+.000}_{-.060}$		TOLERANCE $^{+.000}_{-.090}$	
DASH NO.	LENGTH	DASH NO.	LENGTH	DASH NO.	LENGTH
2	.125	18	1.125	34 TO 96	2.125 TO 6.000
3	.188	20	1.250		
4	.250	22	1.375		
5	.312	24	1.500		
6	.375	26	1.625		
7	.438	28	1.750		
8	.500	30	1.875		
10	.625	32	2.000		
12	.750				
14	.875				
16	1.000				

TABLE III – RECOMMENDED LENGTHS

BASIC PART NO.	LENGTH (INCL.)
NAS1635-00	.125 - .375
NAS1635-01	.125 - .375
NAS1635-02	.125 - .750
NAS1635-04	.187 - 1.500
NAS1635-06	.187 - 2.250
NAS1635-08	.250 - 3.000
NAS1635-3	.312 - 3.500
NAS1635-4	.312 - 4.000
NAS1635-5	.500 - 4.000
NAS1635-6	.500 - 4.000

TABLE IV – DESIGN ALLOWABLE LOADING AT SAFETY FACTOR OF 1
BASED ON TENSILE YIELD STRENGTH $F_{TY} = 35,000$ PSI

BASIC PART NO.	STRESS ROOT AREA	AXIAL LOAD (LBF)
NAS1635-00	0.0018	63
NAS1635-01	0.0026	91
NAS1635-02	0.0036	126
NAS1635-04	0.0060	210
NAS1635-06	0.0090	315
NAS1635-08	0.0139	486
NAS1635-3	0.0199	696
NAS1635-4	0.0362	1,267
NAS1635-5	0.0579	2,026
NAS1635-6	0.0876	3,066

MATERIAL:

STEEL, CORROSION RESISTING, AUSTENITIC SERIES, NON-MAGNETIC COMPOSITION.

FINISH:

PASSIVATE PER AMS2700, METHOD 1, CLASS 4.
 (5) PASSIVATE PER AMS2700, METHOD 1, TYPE 6, CLASS 4 – NO POST TREATMENT.
 PASSIVATE PER AMS2700, METHOD 2 – NO POST TREATMENT.

(5) BLACK OXIDE COATING PER MIL-DTL-13924, CLASS 3.

CODE:

BASIC PART NUMBER DESIGNATES DIAMETER AND THREAD.
 LENGTH DASH NUMBER INDICATES LENGTH IN .0625 INCREMENTS (CONVERTED TO THREE DECIMAL PLACES).
 INTERMEDIATE OR LONGER LENGTHS MAY BE SPECIFIED BY USE OF WHOLE DASH NUMBER ONLY.
 USE OF .25 INCH INCREMENTS IS RECOMMENDED FOR SCREWS OVER 2 INCHES LONG.
 FOR SELF-LOCKING FEATURE, ADD LETTERS BETWEEN THE BASIC PART NUMBER AND THE LENGTH DASH
 NUMBER AS FOLLOWS:

"LE" = SELF-LOCKING ELEMENT (OPTIONAL TYPE)
 "LL" = STRIP TYPE LOCKING ELEMENT
 "LN" = BUTTON TYPE LOCKING ELEMENT
 "LR" = PATCH TYPE LOCKING ELEMENT

(5) NO SUFFIX TO LENGTH DASH NUMBER FOR PASSIVATION PER AMS2700, METHOD 1, CLASS 4.
 ADD SUFFIX "P" TO LENGTH DASH NUMBER FOR BLACK OXIDE FINISH.
 ADD SUFFIX "B" TO LENGTH DASH NUMBER FOR PASSIVATION PER AMS2700, METHOD 2 – NO POST
 TREATMENT.
 (5) ADD SUFFIX "M" TO LENGTH DASH NUMBER FOR PASSIVATION PER AMS2700,
 METHOD 1, TYPE 6, CLASS 4 – NO POST TREATMENT.

REVISION

5

NAS1635

SHEET 2



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