

FED. SUPPLY CLASS

5315

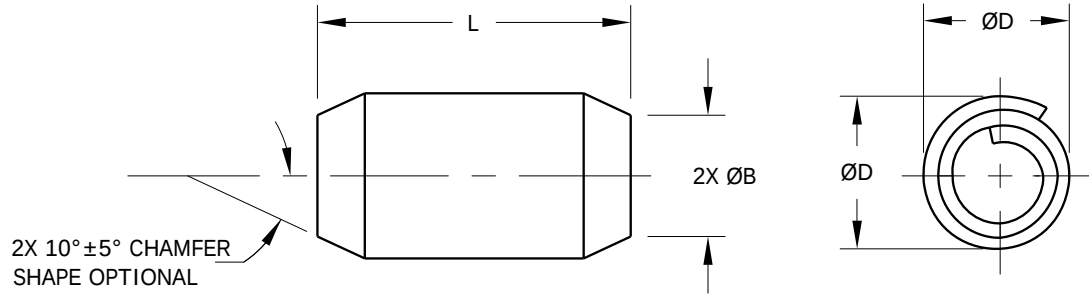


TABLE I – DIMENSIONS

FIRST DASH NO.	NOMINAL DIAMETER	ØB CHAMFER MAX	RECOMMENDED HOLE SIZE		MEDIUM DUTY (CLASS 2)					LIGHT DUTY (CLASS 3)				
					ØD FREE STATE		MIN DOUBLE SHEAR STRENGTH (LBF)		APPROX WEIGHT LB/100	ØD FREE STATE		MIN DOUBLE SHEAR STRENGTH (LBF)		APPROX WEIGHT LB/100
			MAX	MIN	MAX	MIN	302 CRES	420 CRES CARBON STEEL		MAX	MIN	302 CRES	420 CRES CARBON STEEL	
1	.031	.029	.0325	.0310	.035	.033	60	75	L x.013	-	-	-	-	-
2	.039	.037	.0405	.0390	.044	.041	100	120	L x.025	-	-	-	-	-
3	.047	.045	.0485	.0470	.052	.049	140	170	L x.030	-	-	-	-	-
4	.052	.050	.0535	.0520	.057	.054	190	230	L x.034	-	-	-	-	-
5	.062	.059	.065	.061	.072	.067	250	300	L x.053	.073	.067	135	170	L x.035
6	.078	.075	.081	.077	.088	.083	400	475	L x.067	.089	.083	225	275	L x.048
7	.094	.091	.097	.093	.105	.099	550	700	L x.112	.106	.099	300	375	L x.084
8	.109	.106	.112	.108	.120	.114	750	950	L x.130	.121	.114	425	525	L x.097
9	.125	.121	.129	.124	.138	.131	1000	1250	L x.204	.139	.131	550	675	L x.155
10	.156	.152	.160	.155	.171	.163	1550	1925	L x.248	.172	.163	875	1100	L x.198
11	.188	.182	.192	.185	.205	.196	2250	2800	L x.452	.207	.196	1200	1500	L x.337
12	.219	.214	.224	.217	.238	.228	3000	3800	L x.602	.240	.228	1700	2100	L x.389
13	.250	.243	.256	.247	.271	.260	4000	5000	L x.794	.273	.260	2200	2700	L x.662
14	.312	.304	.319	.308	.337	.324	6200	7700	L x1.19	.339	.324	3500	4400	L x.962
15	.375	.366	.383	.370	.403	.388	9000	11200	L x1.69	.405	.388	5000	6000	L x1.30
16	.438	.427	.446	.431	.469	.452	13000	15200	L x2.50	.471	.452	6700	8400	L x1.89
17	.500	.488	.510	.493	.535	.516	16000	20000	L x3.23	.537	.516	8800	11000	L x2.50

MATERIAL:

CARBON STEEL AND CORROSION RESISTANT STEEL IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

FINISH:

- ② IN ACCORDANCE WITH PROCUREMENT SPECIFICATION:
 CARBON STEEL - BLACK OILED OR CADMIUM PLATED
 CORROSION RESISTANT STEEL - PASSIVATED

FORM 12-01	THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
	PROCUREMENT SPECIFICATION		CLASSIFICATION PART STANDARD
	NASM10971 TYPE II, CLASSES 2 & 3	TITLE PIN, SPRING, COILED	NAS1407 SHEET 1 OF 4

CODE:

DASH AFTER BASIC NUMBER INDICATES BLACK OILED CARBON STEEL PINS.
 "P" AFTER BASIC NUMBER INDICATES CADMIUM PLATED CARBON STEEL PINS.
 "C" AFTER BASIC NUMBER INDICATES HEAT TREATABLE CORROSION RESISTANT STEEL PINS
 (TYPE 420).
 "N" AFTER BASIC NUMBER INDICATES NON-MAGNETIC CORROSION RESISTANT STEEL PINS
 (TYPE 302).
 FIRST DASH NUMBER INDICATES THE DIAMETER (FROM TABLE I).
 "L" AFTER FIRST DASH NUMBER INDICATES LIGHT DUTY.
 "M" AFTER FIRST DASH NUMBER INDICATES MEDIUM DUTY.
 SECOND DASH NUMBER INDICATES LENGTH IN .0625 INCH INCREMENTS (SEE TABLE II).

EXAMPLE OF PART NUMBER:

②	NAS1407-9L6	= OILED CARBON STEEL PIN .125 DIA X .375 LONG. (LIGHT DUTY)
	NAS1407P5L5	= CADMIUM PLATED CARBON STEEL PIN .062 DIA X .312 LONG. (LIGHT DUTY)
	NAS1407C13M16	= HEAT TREATED CRES PIN .250 DIA X 1.000 LONG. (MEDIUM DUTY)
	NAS1407N1M3	= NON-MAGNETIC CRES PIN .031 DIA X .188 LONG. (MEDIUM DUTY)

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) REMOVE ALL BURRS AND SHARP EDGES.
- (3) MAGNETIC PERMEABILITY OF TYPE 302 CRES PINS SHALL BE LESS THAN 3.0 (AIR = 1.0) FOR A FIELD STRENGTH H=200 OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR PER ASTM A342/A342M TEST METHOD 3.
- /4/ TOLERANCE ON LENGTHS: $\pm .010$ FOR DIAMETERS .031 THRU .312
 $\pm .015$ FOR DIAMETERS .375 THRU .500
- (5) REFER TO NASM33547 FOR LIMITATIONS ON USAGE OF SPRING PINS.
- /6/ MEDIUM DUTY CORROSION RESISTANT STEEL ONLY.
- /7/ MEDIUM DUTY ONLY.
- (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.
- (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.

REVISION

2

NAS1407
SHEET 2



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Full document details: AIA NAS1407 2015