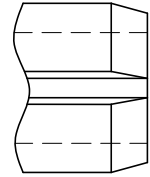
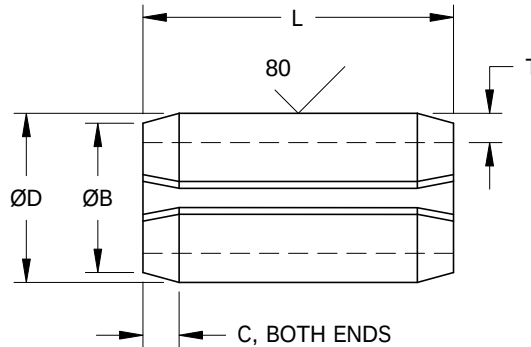
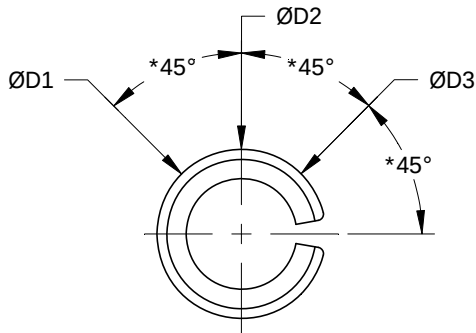


FED.SUPPLY CLASS

5315



ALTERNATE
END DESIGN

* APPROXIMATE MIN AVERAGE DIA = $\frac{D1 + D2 + D3}{3}$

TABLE I – DIMENSIONS AND STRENGTH VALUES

NOM SIZE	ØD		C CHAMFER		ØB CHAMFER	T WALL THICKNESS	DOUBLE SHEAR STRENGTH LBF MIN	RECOMMENDED HOLE SIZE	
	MAX	MIN AVG	MAX	MIN	MAX	NOM		MAX	MIN
.062	.069	.066	.026	.007	.059	.012	425	.065	.062
.078	.086	.083	.032	.008	.075	.018	650	.081	.078
.094	.103	.099	.038	.008	.091	.022	1,000	.097	.094
.125	.135	.131	.044	.008	.122	.028	2,100	.129	.125
.156	.167	.162	.048	.010	.151	.032	3,000	.160	.156
.188	.199	.194	.055	.011	.182	.040	4,400	.192	.187
.219	.232	.226	.065	.011	.214	.048	5,700	.224	.219
.250	.264	.258	.065	.012	.245	.048	7,700	.256	.250
.312	.328	.321	.080	.014	.306	.062	11,500	.318	.312
.375	.392	.385	.095	.016	.365	.077	17,600	.382	.375
.438	.456	.448	.095	.017	.430	.077	20,000	.445	.437
.500	.521	.513	.110	.025	.485	.094	25,800	.510	.500

MATERIAL: STEEL, CARBON, GRADES 1070 THRU 1095 (UNS G10700 THRU G10950) IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
STEEL, CORROSION-RESISTANT, TYPES 410 (UNS S41000) AND 420 (UNS S42000) IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

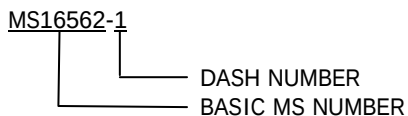
HARDNESS: CARBON STEEL - 46 TO 53 HRC.
CORROSION RESISTANT STEEL - 43 TO 52 HRC.

FINISH:
CARBON STEEL - CADMIUM PLATED IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2.
PHOSPHATE COATED IN ACCORDANCE WITH MIL-DTL-16232, TYPE Z, CLASS 2.
CORROSION RESISTANT STEEL - CLEANED, DESCALED AND PASSIVATED IN ACCORDANCE WITH ASTM A380/A380M.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS16562, REVISION C. PART NUMBERS REMAIN MS16562.

THIRD ANGLE PROJECTION		CUSTODIAN	REVISION
		NATIONAL AEROSPACE STANDARDS COMMITTEE	2
PROCUREMENT SPECIFICATION	TITLE	CLASSIFICATION	
		PART STANDARD	
NASM10971	PIN, SPRING, TUBULAR, SLOTTED	NASM16562	
		SHEET 1 OF 3	

EXAMPLE OF PART NUMBER:



MS16562-1 = PIN, SPRING, TUBULAR, SLOTTED, .062 NOMINAL SIZE, .188 LENGTH, CARBON STEEL, CADMIUM PLATED.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (4) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (5) 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.
- (6) REMOVE ALL BURRS AND SHARP EDGES.
- (7) SURFACE TEXTURE SHALL BE IN ACCORDANCE WITH ASME B46.1 AND SURFACE TEXTURE SYMBOLS SHALL BE IN ACCORDANCE WITH ASME Y14.36M.

TABLE II – DASH NUMBERS

L LENGTH	TOL.	CARBON STEEL		CORROSION RESISTANT STEEL	L LENGTH	TOL.	CARBON STEEL		CORROSION RESISTANT STEEL
		CADMIUM PLATED	PHOSPHATE COATED				CADMIUM PLATED	PHOSPHATE COATED	
		DASH NO.	DASH NO.				DASH NO.	DASH NO.	
.062 NOMINAL SIZE					.125 NOMINAL SIZE				
.188	± .015	1	95	189	.375	± .015	31	125	219
.250		2	96	190	.438		32	126	220
.312		3	97	191	.500		33	127	221
.375		4	98	192	.562		34	128	222
.438		5	99	193	.625		35	129	223
.500		6	100	194	.750	36	130	224	
.562		7	101	195	.875	37	131	225	
.625		8	102	196	1.000	38	132	226	
.688		9	103	197	1.250	39	133	227	
.750		10	104	198					
.078 NOMINAL SIZE					.156 NOMINAL SIZE				
.250	± .015	11	105	199	.500	± .015	40	134	228
.312		12	106	200	.625		41	135	229
.375		13	107	201	.750		42	136	230
.438		14	108	202	.875		43	137	231
.500		15	109	203	1.000		44	138	232
.562		16	110	204	1.250	45	139	233	
.625		17	111	205					
.750		18	112	206					
.875		19	113	207					
1.000		20	114	208					

REVISION

2

NASM16562

SHEET 2



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