

Review activities:  
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DLA - IS  
NSA - NS

User activities:  
Navy - MC, SH

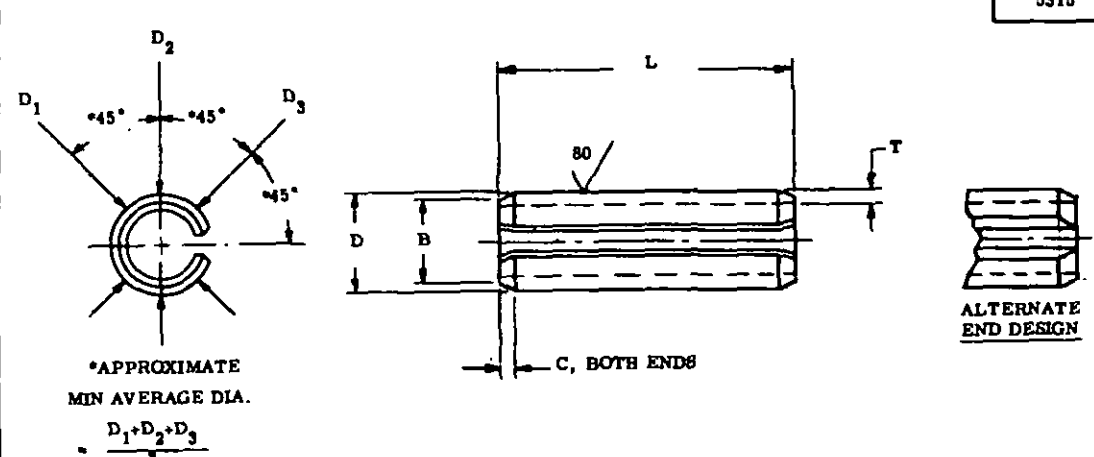


TABLE I

NOM SIZE	D DIA		C CHAMFER		B CHAMFER DIA	T WALL THICKNESS NOM	DOUBLE SHEAR STRENGTH LBS-MIN	RECOMMENDED HOLE SIZE	
	MAX	MIN AVG	MAX	MIN	MAX	MAX		MIN	
.062	.069	.066	.026	.007	.059	.012	425	.065	.062
.078	.086	.083	.033	.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	.066	.012	.245	.048	7,700	.256	.250
.312	.328	.321	.080	.014	.306	.062	11,500	.318	.312
.375	.392	.386	.095	.016	.368	.077	17,600	.382	.375
.436	.456	.448	.095	.017	.430	.077	20,000	.445	.437
.500	.521	.513	.110	.025	.485	.094	25,800	.510	.500

REQUIREMENTS:

- 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.
- SURFACE ROUGHNESS: SURFACE ROUGHNESS SHALL BE IN ACCORDANCE WITH ANSI B46.1 BEFORE MEETING PROTECTIVE COATING AND SURFACE TREATMENT REQUIREMENT.
- PROTECTIVE COATING AND SURFACE TREATMENT:  
CARBON STEEL-CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2.  
PHOSPHATE COATED IN ACCORDANCE WITH DOD-P-16232, TYPE 2, CLASS 2.  
CORROSION-RESISTANT STEEL-CLEANED, DESCALED AND PASSIVATED IN ACCORDANCE WITH ASTM A380.
- HARDNESS: CARBON STEEL-46 TO 53 HRC.  
CORROSION-RESISTANT STEEL-43 TO 52 HRC.
- PART NUMBER: THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE II.  
EXAMPLE: MS16562-1

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

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APPROVED - 24 JUL 1959 REVISED - 14 MAR 86

P. A. AR Other Cust 08 99	TITLE <b>PIN, SPRING - TUBULAR, SLOTTED</b>	<b>MILITARY STANDARD</b> <b>MS16562</b>
PROCUREMENT SPECIFICATION MIL-D-10971	SUPERSEDES:	PAGE 1 OF 4

NOTES:-

1. ALL DIMENSIONS ARE IN INCHES.
2. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
3. REFERENCED GOVERNMENT (OR NONGOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

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P.A. AR Other Cust OS 99	TITLE  P.IN, SPRING-TUBULAR, SLOTTED	MILITARY STANDARD  MS16562
PROCUREMENT SPECIFICATION	SUPERSEDES:	PAGE 2 OF 4

TABLE II

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.		
<b>.062 NOMINAL SIZE</b>					<b>.168 NOMINAL SIZE</b>					
.188	±.015	1	95	189	.500	±.015	46	140	234	
.250		2	96	190	.625		47	141	235	
.312		3	97	191	.750		48	142	236	
.375		4	98	192	.875		49	143	237	
.438		5	99	193	L.000		50	144	238	
.500		6	100	194	1.250	51	145	239		
.562		7	101	195	1.500	52	146	240		
.625		8	102	196	1.750	53	147	241		
.688		9	103	197	<b>.219 NOMINAL SIZE</b>					
.750		10	104	198	.750	±.015	54	148	242	
<b>.078 NOMINAL SIZE</b>					.875		55	149	243	
.250	±.015	11	105	199	1.000		56	150	244	
.312		12	106	200	1.250	57	151	245		
.375		13	107	201	±.020	58	152	246		
.438		14	108	202						
.500		15	109	203						
.562		16	110	204	1.500	59	153	247		
.625		17	111	205	1.750	60	154	248		
.750		18	112	206	2.000	61	155	249		
.875		19	113	207	<b>.250 NOMINAL SIZE</b>					
1.000		20	114	208	.750	±.015	62	156	250	
<b>.094 NOMINAL SIZE</b>					.875		63	157	251	
.250	±.015	21	115	209	1.000		64	158	252	
.312		22	116	210	1.250	65	159	253		
.375		23	117	211	±.020	66	160	254		
.438		24	118	212						
.500		25	119	213						
.562		26	120	214	1.500	67	161	255		
.625		27	121	215	1.750	68	162	256		
.750		28	122	216	2.000	69	163	257		
.875		29	123	217	<b>.312 NOMINAL SIZE</b>					
1.000		30	124	218	1.000	±.015	70	164	258	
<b>.125 NOMINAL SIZE</b>					1.250		71	165	259	
.375	±.015	31	125	219	1.500		72	166	260	
.438		32	126	220	1.750	73	167	261		
.500		33	127	221	±.020	74	168	262		
.562		34	128	222						
.625		35	129	223						
.750		36	130	224	2.000	75	169	263		
.875		37	131	225	2.500	76	170	264		
1.000		38	132	226	<b>.375 NOMINAL SIZE</b>					
1.250		±.020	39	133	227	1.000	±.015	77	171	265
<b>.158 NOMINAL SIZE</b>					1.250	78		172	266	
.500	±.015	40	134	228	1.500	79		173	267	
.625		41	135	229	1.750	80	174	268		
.750		42	136	230	±.020	81	175	269		
.875		43	137	231						
1.000		44	138	232						
1.250	±.020	45	139	233	2.500	82	176	270		
					3.000	83	177	271		

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P.A. AR Other Cust OS 99	TITLE PIN, SPRING - TUBULAR, SLOTTED	MILITARY STANDARD <b>MS16562</b>
PROCUREMENT SPECIFICATION MIL-P-10971	SUPERSEDES:	PAGE 3 OF 4

TABLE II. (Continued)

L LENGTH	TOL	CARBON STEEL		CORROSION RESISTANT STEEL
		CADMIUM PLATED	PHOSPHATE COATED	
		DASH NO.	DASH NO.	
.438 NOMINAL SIZE				
1.250	± .020	84	178	272
1.500		85	179	273
1.750		86	180	274
2.000		87	181	275
2.500	± .025	88	182	276
3.000		89	183	277
.500 NOMINAL SIZE				
1.500	± .020	90	184	278
1.750		91	185	279
2.000	± .025	92	186	280
2.500		93	187	281
3.000		94	188	282

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