

Review activities:
ARMY - AV, HE, MI
DLA - IS
NSA - NS

User activities:
Navy - MC, SH

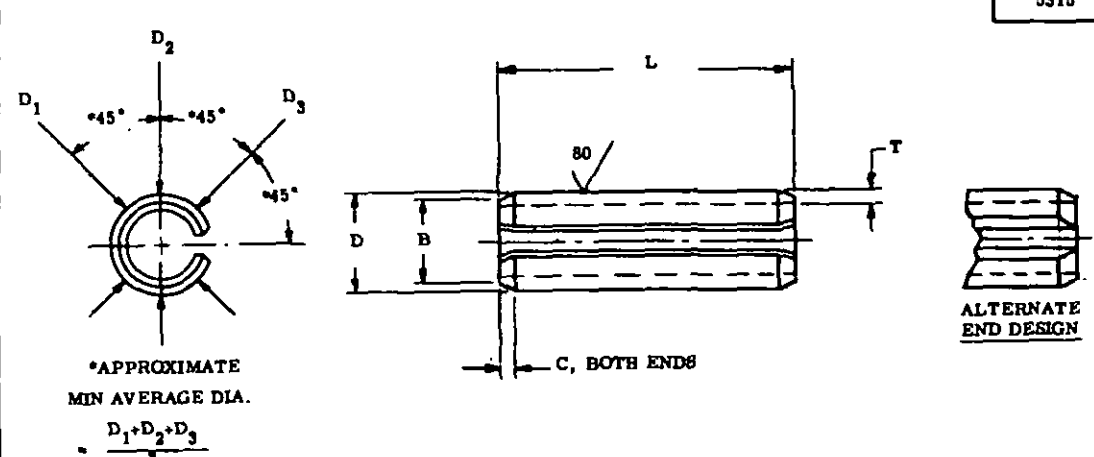


TABLE I

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 PIN, SPRING - TUBULAR, SLOTTED	MILITARY STANDARD MS16562
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.

User activities:
MC, SH

Review activities:
ARMY - AV, ME, MI
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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.	
.062 NOMINAL SIZE					.168 NOMINAL SIZE				
.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	.219 NOMINAL SIZE				
.750		10	104	198	.750	±.015	54	148	242
.078 NOMINAL SIZE					.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	.250 NOMINAL SIZE				
.438		14	108	202	1.500	±.020	58	152	246
.500		15	109	203	1.750		59	153	247
.562		16	110	204	2.000		60	154	248
.625		17	111	205	2.500	61	155	249	
.750		18	112	206	.312 NOMINAL SIZE				
.875		19	113	207	.750	±.015	62	156	250
1.000		20	114	208	.875		63	157	251
.094 NOMINAL SIZE					1.000		64	158	252
.250	±.015	21	115	209	1.250	65	159	253	
.312		22	116	210	.375 NOMINAL SIZE				
.375		23	117	211	1.500	±.020	66	160	254
.438		24	118	212	1.750		67	161	255
.500		25	119	213	2.000		68	162	256
.562		26	120	214	2.500	69	163	257	
.625		27	121	215	.425 NOMINAL SIZE				
.750		28	122	216	1.000	±.015	70	164	258
.875		29	123	217	1.250		71	165	259
1.000		30	124	218	1.500		±.020	72	166
.125 NOMINAL SIZE					1.750	73		167	261
.375	±.015	31	125	219	2.000	±.025		74	168
.438		32	126	220	2.500		75	169	263
.500		33	127	221	3.000		76	170	264
.562		34	128	222	.500 NOMINAL SIZE				
.625		35	129	223	1.000	±.015	77	171	265
.750		36	130	224	1.250		78	172	266
.875		37	131	225	1.500		±.020	79	173
1.000		38	132	226	1.750	80		174	268
1.250		39	133	227	2.000	±.025		81	175
.158 NOMINAL SIZE					2.500		82	176	270
.500	±.015	40	134	228	3.000		83	177	271
.625		41	135	229	.625 NOMINAL SIZE				
.750		42	136	230	1.000	±.015	84	178	272
.875		43	137	231	1.250		85	179	273
1.000		44	138	232	1.500		±.020	86	180
1.250		45	139	233	1.750	87		181	275
.188 NOMINAL SIZE					2.000	±.025		88	182
.500	±.015	46	140	234	2.500		89	183	277
.625		47	141	235	3.000		90	184	278
.750		48	142	236	.750 NOMINAL SIZE				
.875		49	143	237	1.000	±.015	91	185	279
L.000		50	144	238	1.250		92	186	280
1.250		51	145	239	1.500		±.020	93	187
1.500	52	146	240	1.750	94	188		282	
1.750	53	147	241	2.000	±.025	95		189	283
.219 NOMINAL SIZE						2.500	96	190	284
.750	±.015	54	148	242		3.000	97	191	285
.875		55	149	243	.875 NOMINAL SIZE				
1.000		56	150	244	1.000	±.015	98	192	286
1.250	57	151	245	1.250	99		193	287	
.250 NOMINAL SIZE					1.500		±.020	100	194
1.500	58	152	246	1.750	101	195		289	
1.750	59	153	247	2.000	±.025	102		196	290
2.000	60	154	248	2.500		103	197	291	
2.500	61	155	249	3.000		104	198	292	
.312 NOMINAL SIZE					.100 NOMINAL SIZE				
1.000	±.015	70	164	258	.250	±.015	105	199	293
1.250		71	165	259	.312		106	200	294
1.500		72	166	260	.375		107	201	295
1.750	73	167	261	.438	108		202	296	
.375 NOMINAL SIZE					.500		109	203	297
1.000	±.015	77	171	265	.562		110	204	298
1.250		78	172	266	.625	111	205	299	
1.500		79	173	267	.750	112	206	300	
1.750	±.020	80	174	268	.875	113	207	301	
2.000		81	175	269	1.000	114	208	302	
2.500		82	176	270	.125 NOMINAL SIZE				
3.000	83	177	271	.375	±.015	115	209	303	
.425 NOMINAL SIZE						.438	116	210	304
1.000	±.015	84	185	272		.500	117	211	305
1.250		85	186	273		.562	118	212	306
1.500		86	187	274		.625	119	213	307
1.750	±.020	87	188	275		.750	120	214	308
2.000		88	189	276	.875	121	215	309	
2.500		89	190	277	1.000	122	216	310	
3.000	90	191	278	1.250	123	217	311		
.500 NOMINAL SIZE					1.500	124	218	312	
1.000	±.015	91	192	279	.158 NOMINAL SIZE				
1.250		92	193	280	.500	±.015	125	219	313
1.500		93	194	281	.625		126	220	314
1.750	94	195	282	.750	127		221	315	
2.000	95	196	283	.875	128		222	316	
2.500	96	197	284	1.000	129		223	317	
3.000	97	198	285	1.250	130		224	318	
.625 NOMINAL SIZE					1.500	131	225	319	
1.000	±.015	98	199	286	1.750	132	226	320	
1.250		99	200	287	2.000	133	227	321	
1.500		100	201	288	.188 NOMINAL SIZE				
1.750	±.020	101	202	289	.500	±.015	134	228	322
2.000		102	203	290	.625		135	229	323
2.500		103	204	291	.750		136	230	324
3.000	104	205	292	.875	137		231	325	
.219 NOMINAL SIZE					1.000		138	232	326
.750	±.015	54	148	242	1.250		139	233	327
.875		55	149	243	.250 NOMINAL SIZE				
1.000		56	150	244	1.500	±.020	140	234	328
1.250	57	151	245	1.750	141		235	329	
1.500	58	152	246	2.000	142		236	330	
1.750	59	153	247	2.500	143	237	331		
2.000	60	154	248	3.000	144	238	332		
2.500	61	155	249	.312 NOMINAL SIZE					
.250 NOMINAL SIZE					1.000	±.015	70	164	258
.750	±.015	62	156	250	1.250		71	165	259
.875		63	157	251	1.500		72	166	260
1.000		64	158	252	1.750	73	167	261	
1.250	65	159	253	2.000	±.020	74	168	262	
1.500	66	160	254	2.500		75	169	263	
1.750	67	161	255	3.000		76	170	264	
2.000	68	162	256	.375 NOMINAL SIZE					
2.500	69	163	257	1.000	±.015	77	171	265	
.312 NOMINAL SIZE						1.250	78	172	266
.750	±.015	70	164	258		1.500	79	173	267
.875		71	165	259	1.750	80	174	268	
1.000		72	166	260	2.000	±.020	81	175	269
1.250	73	167	261	2.500	82		176	270	
1.500	74	168	262	3.000	83		177	271	
1.750	75	169	263	.425 NOMINAL SIZE					
2.000	76	170	264	1.000	±.015	91	185	279	
.375 NOMINAL SIZE						1.250	92	186	280
1.000	±.015	77	171	265		1.500	93	187	281
1.250		78	172	266	1.750	94	188	282	
1.500		79	173	267	2.000	±.020	95	189	283
1.750	80	174	268	2.500	96		190	284	
2.000	81	175	269	3.000	97		191	285	
2.500	82	176	270	.500 NOMINAL SIZE					
3.000	83	177	271	1.000	±.015	105	199	293	

User activities:
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P.A. AR Other Cust OS 99	TITLE PIN, SPRING - TUBULAR, SLOTTED	MILITARY STANDARD MS16562
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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