



REVIEWER: MI, MO, MU, WC, SH, WP, 69, IS
USER: MC, YD, NSA

NOMINAL SIZE		1/16	5/64	3/32	1/8			
A DIAMETER	MAX	.0625	.0781	.0938	.1250			
	MIN	.0615	.0771	.0928	.1230			
E *CROWN HEIGHT	REF	.0065	.0087	.0091	.0130			
R RADIUS	MAX	.0881	.1037	.1350	.1662			
	MIN	.0681	.0837	.1150	.1462			
RECOMMENDED HOLE SIZE	MAX	.0640	.0798	.0956	.1271			
	MIN	.0625	.0781	.0938	.1250			
SINGLE SHEAR STRENGTH - LBS	MIN	120	190	270	490			
L LENGTH	DASH NUMBER	B DIAMETER ±.001	DASH NUMBER	B DIAMETER ±.001	DASH NUMBER	B DIAMETER ±.001	DASH NUMBER	B DIAMETER ±.002
	1/4	201	.068	206	.084	210	.101	215
3/8	202	.068	207	.084	211	.101	216	.134
1/2	203	.068	208	.084	212	.101	217	.134
5/8	204	.068	209	.084	213	.101	218	.134
3/4	205	.068			214	.101	219	.134
1							220	.134
1-1/4							221	.134
1-1/2								

For additional sizes see sheet 2.

MATERIAL: Brass, bar or wire, 1/2 hard, in accordance with the procurement specification.

PROTECTIVE COATING: Black Oxide in accordance with the procurement specification.

APPLICATION: Grooved pins are locked securely in place by elastic deformation eliminating the need for tapping or reaming of tapered or sized holes.

DIMENSIONS: All dimensions are in inches unless otherwise specified.

PART NUMBER: The MS part number consists of the MS number plus the dash number. Example: MS35679-201.

- NOTES:**
- (1) Diameter "B" is the expanded diameter as measured with a ring gage.
 - (2) Ends of pins may be square with .01-inch to .02-inch radius on the edges.
 - (3) For design feature purposes, this standard takes precedence over procurement documents referenced herein.
 - (4) Referenced documents shall be of the issue in effect on date of invitations for bid.

This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

Ⓐ ENTIRE STANDARD REVISED

P.A. WC Other Cost WP 69	TITLE PIN, GROOVED, HEADLESS - LONGITUDINAL CENTER GROOVE, BRASS	MILITARY STANDARD MS 35679
PROCUREMENT SPECIFICATION MIL-P-20700	SUPERSEDES: AEOX2 in part	SHEET 1 OF 2

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							FED. SUP CLASS 5315		
NOMINAL SIZE		5/32		3/16		7/32		1/4	
A	DIAMETER	MAX MIN	.1563 .1543	.1875 .1855	.2188 .2168			.2500 .2480	
E	*CROWN HEIGHT	REF	.0170	.0180	.0220			.0260	
R	RADIUS	MAX MIN	.1975 .1775	.2600 .2400	.2912 .2712			.3225 .3025	
	RECOMMENDED HOLE SIZE	MAX MIN	.1587 .1563	.1903 .1875	.2219 .2188			.2534 .2500	
	SINGLE SHEAR STRENGTH - LBS	MIN	760	1100	1500			1960	
L	LENGTH	DASH NUMBER	B DIAMETER ±.002	DASH NUMBER	B DIAMETER ±.002	DASH NUMBER	B DIAMETER ±.002	DASH NUMBER	B DIAMETER ±.002
	1/2	222	.166	228	.198			243	.263
	5/8	223	.166	229	.198	236	.230	244	.263
	3/4	224	.166	230	.198	237	.230	245	.263
	1	225	.166	231	.198	238	.230	246	.263
	1-1/4	226	.166	232	.198	239	.230	247	.263
	1-1/2	227	.166	233	.198	240	.230	248	.263
	1-3/4			234	.198	241	.230	249	.263
	2			235	.198	242	.230	250	.263
	2-1/4								

*See Note (2), sheet 1.
 For illustration, material, protective coating, and other pertinent data see sheet 1.

INTERCHANGEABILITY TABLE

The pins covered by the dash numbers given in original issue of this standard are cancelled after the approval date on this document. Use the dash numbers given in the preceding sheet of this revision. The cancelled pins cannot always replace the new pins and should be used until existing stocks are depleted. Use only the new pins for design and replacement. Replacement shall be in accordance with this table.

PART NUMBERS		PART NUMBERS	
CANCELLED	NEW	CANCELLED	NEW
MS35679-1	MS35679-201	MS35679-26	MS35679-226
-2	-202	-27	-227
-3	-203	-28	-228
-4	-204	-29	-229
-5	-205	-30	-230
-6	-206	-31	-231
-7	-207	-32	-232
-8	-208	-33	-233
-9	-209	-34	-234
-10	-210	-35	-235
-11	-211	-36	-236
-12	-212	-37	-237
-13	-213	-38	-238
-14	-214	-39	-239
-15	-215	-40	-240
-16	-216	-41	-241
-17	-217	-42	-242
-18	-218	-43	-243
-19	-219	-44	-244
-20	-220	-45	-245
-21	-221	-46	-246
-22	-222	-47	-247
-23	-223	-48	-248
-24	-224	-49	-249
-25	-225	-50	-250

P.A. WC Other Cont WP 69	TITLE PIN, GROOVED, HEADLESS - LONGITUDINAL CENTER GROOVE, BRASS	MILITARY STANDARD MS 35679
PROCUREMENT SPECIFICATION NIL-P-20700	SUPERSEDES: AECX2 in part	SHEET 2 OF

APPROVER " " IN K8 DESIGNED (A) FOR CHANGES SEE SHEET 1.