



REVIEWER: MI, NO, MU, WC, SH, WP, 69, IS
USER: MC, YO, NSA

NOMINAL SIZE		3/64		1/16		5/64		3/32	
A DIAMETER	MAX	.0469		.0625		.0781		.0938	
	MIN	.0459		.0615		.0771		.0928	
E *CROWN HEIGHT	REF	----		.0065		.0087		.0091	
R RADIUS	MAX	----		.0881		.1037		.1350	
	MIN	----		.0681		.0837		.1150	
RECOMMENDED HOLE SIZE	MAX	.0478		.0640		.0798		.0956	
	MIN	.0465		.0625		.0781		.0938	
SINGLE SHEAR STRENGTH - LBS	MIN	70		120		190		270	
L LENGTH	DASH NUMBER	B DIAMETER ±.001		B DIAMETER ±.001		B DIAMETER ±.001		B DIAMETER ±.001	
	1/16	201	.051						
	1/4	202	.051	206	.068	211	.084		
	3/8	203	.051	207	.068	212	.084	216	.101
	1/2	204	.051	208	.068	213	.084	217	.101
	5/8	205	.051	209	.068	214	.084	218	.101
	3/4			210	.068	215	.084	219	.101
								220	.101

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: MS35673-201.
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.

(A) ENTIRE STANDARD REVISED

TITLE PIN, GROOVED, HEADLESS-LONGITUDINAL TAPER GROOVE, BRASS	MILITARY STANDARD MS 35673
PROCUREMENT SPECIFICATION: MIL-P-20700 SUPERSEDES: AECX2 in part	SHEET 1 OF 2

APPROVED 11 JAN 56 REVISED (A) 17 MAR 1965

NOMINAL SIZE		1/8	5/32	3/16	1/4	
A DIAMETER	MAX	.1250	.1563	.1875	.2500	
	MIN	.1230	.1543	.1855	.2480	
E *CROWN HEIGHT	REF	.0130	.0170	.0180	.0260	
R RADIUS	MAX	.1662	.1975	.2600	.3225	
	MIN	.1462	.1775	.2400	.3025	
RECOMMENDED HOLE SIZE	MAX MIN	.1271 .1250	.1587 .1563	.1903 .1875	.2534 .2500	
SINGLE SHEAR STRENGTH - LBS	MIN	490	760	1100	1960	
L LENGTH	DASH NUMBER	B DIAMETER ±.002	DASH NUMBER	B DIAMETER ±.002	DASH NUMBER	B DIAMETER ±.002
	1/2	221 .134	227 .166			
	5/8	222 .134	228 .166	233 .198	241 .263	
	3/4	223 .134	229 .166	234 .198	242 .263	
	1	224 .133	230 .165	235 .198	243 .263	
	1-1/4	225 .132	231 .164	236 .197	244 .263	
	1-1/2	226 .132	232 .164	237 .197	245 .262	
	1-3/4			238 .197	246 .262	
	2			239 .196	247 .262	
	2-1/4			240 .196	248 .262	
	2-1/2				249 .261	
	2-3/4				250 .261	

*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
MS35673-1	MS35673-201	MS35673-26	MS35673-226
-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

APPROVED 11 JAN 56 REVISED (A) FOR CHANGES SEE SHEET 1.

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

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P.A. WC Other Cust WP 69	TITLE PIN, GROOVED, HEADLESS-LONGITUDINAL TAPER GROOVE, BRASS	MILITARY STANDARD MS 35673
PROCUREMENT SPECIFICATION MIL-P-20700	SUPERSEDES: AECX2 in part	SHEET 2 OF