



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

NOMINAL SIZE		1/16	5/64	3/32	1/8	5/32	3/16					
A DIAMETER	MAX	.0625	.0781	.0938	.1250	.1563	.1875					
	MIN	.0615	.0771	.0928	.1230	.1543	.1853					
C PILOT LENGTH	REF	.0312	.0312	.0312	.0312	.0625	.0625					
E *CROWN HEIGHT	REF	.0065	.0087	.0091	.0130	.0170	.0180					
R RADIUS	MAX	.0881	.1037	.1350	.1662	.1975	.2600					
	MIN	.0681	.0837	.1150	.1462	.1775	.2400					
RECOMMENDED HOLE SIZE	MAX	.0640	.0798	.0956	.1271	.1587	.1903					
	MIN	.0625	.0781	.0938	.1250	.1563	.1875					
SINGLE SHEAR STRENGTH - LBS	MIN	120	190	270	490	760	1100					
L LENGTH	DASH NO.	B DIA. ±.001	DASH NO.	B DIA. ±.001	DASH NO.	B DIA. ±.001	DASH NO.	B DIA. ±.002	DASH NO.	B DIA. ±.002	DASH NO.	B DIA. ±.002
1/4	201	.068	205	.084								
3/8	202	.068	206	.084	210	.101	214	.134				
1/2	203	.068	207	.084	211	.101	215	.134	220	.166	225	.198
5/8	204	.068	208	.084	212	.101	216	.134	221	.166	226	.198
3/4			209	.084	213	.101	217	.134	222	.166	227	.198
1							218	.133	223	.165	228	.198
1-1/4							219	.132	224	.164	229	.197
1-1/2											230	.197
1-3/4											231	.197

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: MS35676-201.
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

P.A. WC Other Cust WP 69	TITLE PIN, GROOVED, HEADLESS - LONGITUDINAL STRAIGHT GROOVE, BRASS	MILITARY STANDARD MS 35676
PROCUREMENT SPECIFICATION MIL-P-20700	SUPERSEDES: AEGX2 in part	SHEET 1 OF 2

APPROVED 11 JAN 56 REVISED (A) 17 MAR 1965

NOMINAL SIZE		7/32	1/4	5/16	3/8	7/16	1/2	
A DIAMETER	MAX	.2188	.2500	.3125	.3750	.4375	.5000	
	MIN	.2168	.2480	.3105	.3730	.4355	.4980	
C PILOT LENGTH	REF	.0625	.0625	.0937	.0937	.0937	.0937	
E *CROWN HEIGHT	REF	.0220	.0260	.0340	.0390	.0470	.0520	
R RADIUS	MAX	.2912	.3225	.3850	.4787	.5412	.6350	
	MIN	.2712	.3025	.3650	.4587	.5212	.6150	
RECOMMENDED HOLE SIZE	MAX	.2219	.2534	.3166	.3797	.4428	.5060	
	MIN	.2188	.2500	.3125	.3750	.4375	.5000	
SINGLE SHEAR STRENGTH - LBS	MIN	1500	1960	3070	4420	6010	7850	
L LENGTH	DASH NO.	B DIA. ±.002	DASH NO.	B DIA. ±.002	DASH NO.	B DIA. ±.002	DASH NO.	B DIA. ±.002
	5/8	232 .230	238 .263	245 .329				
	3/4	233 .230	239 .263	246 .329	257 .394			
	1	234 .230	240 .263	247 .329	258 .394	269 .459	281 .525	
	1-1/4	235 .230	241 .263	248 .329	259 .394	270 .459	282 .525	
	1-1/2	236 .229	242 .262	249 .329	260 .394	271 .459	283 .525	
	1-3/4	237 .229	243 .262	250 .328	261 .393	272 .459	284 .525	
	2		244 .262	251 .328	262 .393	273 .458	285 .525	
	2-1/4			252 .328	263 .393	274 .458	286 .524	
	2-1/2			253 .327	264 .393	275 .458	287 .524	
	2-3/4			254 .327	265 .393	276 .458	288 .524	
	3			255 .327	266 .392	277 .457	289 .523	
	3-1/4						290 .523	
	3-1/2			256 .326	267 .391	278 .456	291 .522	
	3-3/4						292 .522	
	4				268 .390	279 .455	293 .521	
	4-1/4						294 .521	
	4-1/2					280 .454	295 .520	

*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 above and 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		PART NUMBERS	
CANCELLED	NEW	CANCELLED	NEW	CANCELLED	NEW
MS35676-1	MS35676-201	MS35676-33	MS35676-233	MS35676-65	MS35676-265
-2	-202	-34	-234	-66	-266
-3	-203	-35	-235	-67	-267
-4	-204	-36	-236	-68	-268
-5	-205	-37	-237	-69	-269
-6	-206	-38	-238	-70	-270
-7	-207	-39	-239	-71	-271
-8	-208	-40	-240	-72	-272
-9	-209	-41	-241	-73	-273
-10	-210	-42	-242	-74	-274
-11	-211	-43	-243	-75	-275
-12	-212	-44	-244	-76	-276
-13	-213	-45	-245	-77	-277
-14	-214	-46	-246	-78	-278
-15	-215	-47	-247	-79	-279
-16	-216	-48	-248	-80	-280
-17	-217	-49	-249	-81	-281
-18	-218	-50	-250	-82	-282
-19	-219	-51	-251	-83	-283
-20	-220	-52	-252	-84	-284
-21	-221	-53	-253	-85	-285
-22	-222	-54	-254	-86	-286
-23	-223	-55	-255	-87	-287
-24	-224	-56	-256	-88	-288
-25	-225	-57	-257	-89	-289
-26	-226	-58	-258	-90	-290
-27	-227	-59	-259	-91	-291
-28	-228	-60	-260	-92	-292
-29	-229	-61	-261	-93	-293
-30	-230	-62	-262	-94	-294
-31	-231	-63	-263	-95	-295
-32	-232	-64	-264		

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