



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

NOMINAL SIZE		3/64	1/16	5/64	3/32	1/8
A DIAMETER	MAX	.0469	.0625	.0781	.0938	.1250
	MIN	.0459	.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	.0478	.0640	.0798	.0956	.1271
	MIN	.0465	.0625	.0781	.0938	.1250
SINGLE SHEAR STRENGTH - LBS	MIN	110	200	310	440	790
L LENGTH	DASH NUMBER	B	DASH NUMBER	B	DASH NUMBER	B
		DIAMETER ±.001		DIAMETER ±.001		DIAMETER ±.001
3/16	1	.051				
1/4	2	.051	6	.068	11	.084
3/8	3	.051	7	.068	12	.084
1/2	4	.051	8	.068	13	.084
5/8	5	.051	9	.068	14	.084
3/4			10	.068	15	.084
1					16	.101
1-1/4					17	.101
1-1/2					18	.101
					19	.101
					20	.101
					21	.134
					22	.134
					23	.134
					24	.134
					25	.133
					26	.132
					27	.132

For additional sizes see sheet 2.

**MATERIAL:** Steel, cold-drawn, B1112 or 1212, in accordance with the procurement specification.

**PROTECTIVE COATING:** Cadmium plate 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: MS35671-1.

**NOTES:** (1) Dash numbers for cadmium plated pins as shown on this revised standard are the same as the dash numbers for the cadmium or zinc plated (optional) pins shown on the original standard.

- (2) Diameter "B" is the expanded diameter as measured with a ring gage.
- (3) Ends of pins may be square with .01-inch to .02-inch radius on the edges.
- (4) For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- (5) 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 TAPER GROOVE, CARBON STEEL	MILITARY STANDARD MS35671
PROCUREMENT SPECIFICATION MIL-P-20700	SUPERSEDES: BFCX3, BFCX3.1, BFCX3.2 and in part AECX2	SHEET 1 OF 2

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

NOMINAL SIZE	5/32		3/16		7/32		1/4		3/8	
A DIAMETER	MAX	.1563	.1875	.2188	.2500	.3750				
	MIN	.1543	.1855	.2168	.2480	.3730				
E *CROWN HEIGHT	REF	.0170	.0180	.0220	.0260	.0390				
R RADIUS	MAX	.1975	.2600	.2912	.3225	.4787				
	MIN	.1775	.2400	.2712	.3025	.4587				
RECOMMENDED HOLE SIZE	MAX	.1587	.1903	.2219	.2534	.3797				
	MIN	.1563	.1875	.2188	.2500	.3750				
SINGLE SHEAR STRENGTH - LBS	MIN	1230	1770	2400	3140	7070				
L LENGTH	DASH NUMBER	B DIAMETER ±.002	DASH NUMBER	B DIAMETER ±.002	DASH NUMBER	B DIAMETER ±.002	DASH NUMBER	B DIAMETER ±.002	DASH NUMBER	B DIAMETER ±.002
1/2	28	.166	34	.198						
5/8	29	.166	35	.198			52	.263		
3/4	30	.166	36	.198	43	.230	53	.263	62	.394
1	31	.165	37	.198	44	.230	54	.263	63	.394
1-1/4	32	.164	38	.197	45	.230	55	.263	64	.394
1-1/2	33	.164	39	.197	46	.229	56	.262	65	.394
1-3/4			40	.197	47	.229	57	.262	66	.393
2			41	.196	48	.229	58	.262	67	.393
2-1/4			42	.196	49	.229	59	.262	68	.393
2-1/2					50	.228	60	.261	69	.393
2-3/4					51	.228	61	.261	70	.393

\*See Note (3), sheet 1.  
For illustration, material protective coating, and other pertinent data see sheet 1.

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P.A. WC Other Cast WP 69	TITLE PIN, GROOVED, HEADLESS-LONGITUDINAL TAPER GROOVE, CARBON STEEL	MILITARY STANDARD MS35671
PROCUREMENT SPECIFICATION MIL-P-20700	SUPERSEDES: BFCX3, BFCX3.1, BFCX3.2 and in part AEGX2	SHEET 2 OF