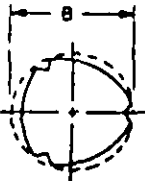
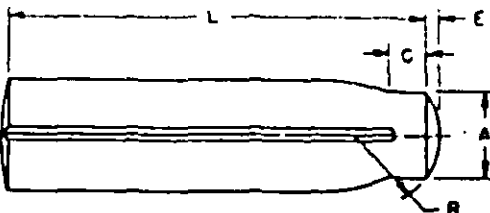
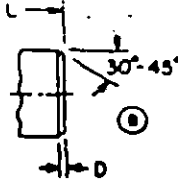


REVIEWER: AT, LA, LS, PL, NS  
 USER: AT, CL, MC, MA, NU, NY

						FED. STD. 21-103 5315	
NOMINAL SIZE		.0625	.0781	.0938	.125	.1562	.1875
A DIAMETER	MAX	.0625	.0781	.0938	.1250	.1562	.1875
	MIN	.0615	.0771	.0928	.1230	.1542	.1853
C PILOT LENGTH	REF	.031	.031	.031	.031	.062	.062
B CHAMFER LENGTH	MIN	(B) .016	.016	.016	.016	.031	.031
R CROWN HEIGHT	REF	.006	.009	.009	.013	.017	.018
R RADIUS	2.010	.078	.094	.125	.156	.188	.230
RECOMMENDED	MAX	.0640	.0798	.0956	.1271	.1587	.1903
SOLE SIZE	MIN	.0625	.0781	.0938	.1250	.1562	.1875
SINGLE SHEAR	MIN	270	430	620	1100	1720	2480
L LENGTH	2.010	DASH NO.	B DIA ±.001	DASH NO.	B DIA ±.001	DASH NO.	B DIA ±.002
.250		1	.066	3	.082		
.375		2	.066	4	.082		
.500	(B)	3	.066	7	.082	10	.099
.625		4	.066	8	.082	11	.099
.750				9	.082	12	.099
1.000						13	.099
1.250						14	.132
1.500						15	.132
1.750						16	.132
						17	.132
						18	.131
						19	.130
						20	.164
						21	.164
						22	.164
						23	.163
						24	.162
						25	.195
						26	.195
						27	.195
						28	.195
						29	.194
						30	.194
						31	.194

## NOTES:

- MATERIAL:** Corrosion-resisting steel, 300 series, in accordance with Fed. Std. No. 66. The minimum ultimate shear strength shall be 90,000 PSI.
- PROTECTIVE COATING:** Passivated in accordance with QQ-P-35.
- DIMENSIONS:** All dimensions are in inches, unless otherwise specified.
- APPLICATION:** Grooved pins are locked securely in place by elastic deformation, eliminating the need for tapping or reaming of tapered or sized holes.
- PART NUMBER:** The MS part number consists of the MS number, plus the dash number.  
Example: MS35675-1.
- Diameter "B" is the expanded diameter as measured with a ring gage.
- Ends on all sizes may be crowned or chamfered.  
Ends on sizes thru .250 may be square with .01 to .02 radius on the edges.
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.

(B) For changes see sheets 1 and 2.

P A VC	TITLE	MILITARY STANDARD
Other Case 45 82	PIN, GROOVED, HEADLESS - LONGITUDINAL STRAIGHT GROOVE, CORROSION-RESISTING STEEL	MS35675
DOCUMENT SPECIFICATION MIL-P-20700	SUPERSEDES AEC12 in part	SHEET 1 OF 3

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS STANDARD ARE OBSOLETE

This military standard is approved 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.

APPROVED 11 JAN 1956 REVISED (A) 17 MAR 1965 (B) 22 AUG 1975

REVISIONS: AV, EA, IS, MI, NY  
UNPR: AT, CL, MC, ME, MU, W

FED. SUP. CLASS														
5315														
NOMINAL SIZE		.2188		.250		.3125		.375		.4375		.500		
A	DIAMETER	MAX MIN	.2188 .2160	.2500 .2480	.3125 .3105	.3750 .3730	.4375 .4355	.5000 .4980						
C	PILOT LENGTH	REF	.063	.063	.094	.094	.094	.094						
D	CHAMFER LENGTH	(B) MIN	.031	.031	.047	.047	.047	.047						
E	CROWN HEIGHT	REF	.022	.024	.034	.038	.047	.052						
F	RADIUS	1.010	.281	.312	.375	.449	.531	.625						
RECOMMENDED HOLE SIZE		MAX MIN	.2219 .2188	.2534 .2500	.3166 .3125	.3797 .3750	.4428 .4375	.5060 .5000						
SINGLE SHEAR STRENGTH-LBS		MIN	3380	4420	6900	9900	13300	17600						
L	LENGTH	1.010	BASH NO.	B DIA 1.002	BASH NO.	B DIA 1.002	BASH NO.	B DIA 1.002	BASH NO.	B DIA 1.002	BASH NO.	B DIA 1.002	BASH NO.	B DIA 1.002
.625		(B)	32	.227	39	.260	45	.325						
.750			33	.227	39	.260	46	.325	57	.389				
1.000			34	.227	40	.260	47	.325	58	.389	69	.453	81	.519
1.250			35	.227	41	.260	48	.325	59	.389	70	.453	82	.519
1.500			36	.226	42	.259	49	.325	60	.389	71	.453	83	.519
1.750			37	.226	43	.259	50	.324	61	.388	72	.453	84	.519
2.000					44	.259	51	.324	62	.388	73	.452	85	.519
2.250							52	.324	63	.388	74	.452	86	.518
2.500							53	.323	64	.388	75	.452	87	.518
2.750							54	.323	65	.388	76	.452	88	.518
3.000							55	.323	66	.387	77	.451	89	.517
3.250													90	.517
3.500							56	.322	67	.387	78	.450	91	.516
3.750													92	.516
4.000									68	.386	79	.449	93	.515
4.250													94	.515
4.500										80	.448	95	.514	

APPROVED 11 JAN 1956

REVISED (A) 17 MAR 1965 (B) FOR CHANGES SEE SHEETS 1 AND 2.

P.A. MC Order Code AS 62	TITLE PIN, GROOVED, HEADLESS - LONGITUDINAL STRAIGHT GROOVE, CORROSION-RESISTING STEEL	MILITARY STANDARD MS35675
PROCUREMENT SPECIFICATION MIL-P-20700	SUPERSEDES AEC12 1a part	SHEET 2 OF 2

APPROVED 11 JAN 1956 REVISED (A) 17 MAR 1963 (B) FOR CHANGES SEE SHEETS 1 AND 2.

This military standard is approved 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.

P.A. VC Other Com AS 82	TITLE PIN, GROOVED, HEADLESS - LONGITUDINAL STRAIGHT GROOVE, CORROSION-RESISTING STEEL	MILITARY STANDARD MS35675
DOCUMENT SPECIFICATION MIL-P-20700	APPROVED ASSEMBLY in part	SHEET 3 OF 3

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE