

FED. SUPPLY CLASS

5315

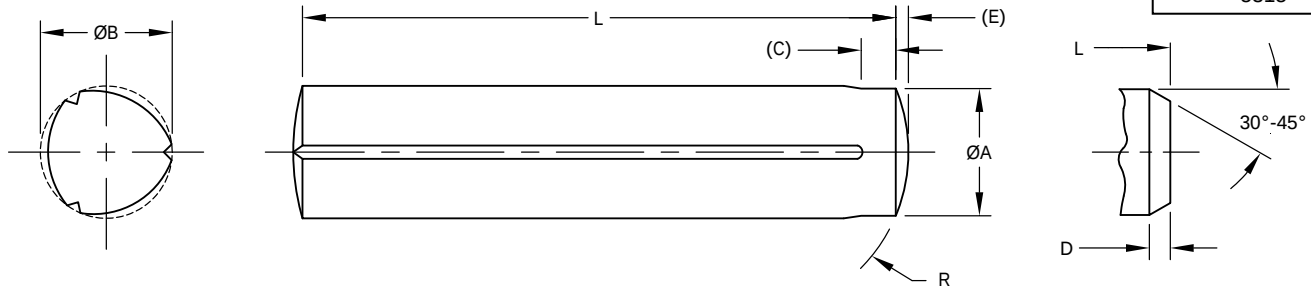


TABLE I – DIMENSIONS

NOMINAL SIZE		.0625	.0781	.0938	.125	.1562	.1875
ØA DIAMETER	MAX	.0625	.0781	.0938	.1250	.1562	.1875
	MIN	.0615	.0771	.0928	.1230	.1542	.1855
(C) PILOT LENGTH		.031	.031	.031	.031	.062	.062
D CHAMFER LENGTH /5/	MIN	.016	.016	.016	.016	.031	.031
(E) CROWN HEIGHT /5/		.006	.009	.009	.013	.017	.018
R RADIUS	±.010	.078	.094	.125	.156	.188	.250
RECOMMENDED HOLE SIZE	MAX	.0640	.0798	.0956	.1271	.1587	.1903
	MIN	.0625	.0781	.0936	.1260	.1562	.1875
SINGLE SHEAR STRENGTH – LBF	MIN	270	430	620	1,100	1,720	2,480
L LENGTH	±.010	DASH NO. 1 ØB ±.001 .066	DASH NO. 5 ØB ±.001 .082	DASH NO. 10 ØB ±.001 .099	DASH NO. 14 ØB ±.002 .132	DASH NO. 20 ØB ±.002 .164	DASH NO. 25 ØB ±.002 .195
.250							
.375							
.500							
.625							
.750							
1.000							
1.250							
1.500							
1.750							

MATERIAL: CORROSION-RESISTING STEEL, 300 SERIES, IN ACCORDANCE WITH AIR4127 FED. STD. NO. 66. THE MINIMUM ULTIMATE SHEAR STRENGTH SHALL BE 90,000 PSI.

FINISH: PASSIVATED IN ACCORDANCE WITH AMS2700, METHOD 1, CLASS 4.

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 EXAMPLE: THE MS PART NUMBER CONSISTS OF THE MS NUMBER PLUS THE DASH NUMBER.
EXAMPLE: MS35675-1.

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS35675 REVISION B. PART NUMBERS REMAIN MS35675.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM20700	TITLE PIN, GROOVED, HEADLESS, LONGITUDINAL STRAIGHT GROOVE, CORROSION-RESISTING STEEL ①	CLASSIFICATION PART STANDARD NASM35675

SHEET 1 OF 2

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TABLE I – DIMENSIONS (CONTINUED)

NOMINAL SIZE			.2188		.250		.3125		.375		.4375		.500	
ØA	DIAMETER	MAX	.2188		.2500		.3125		.3750		.4375		.5000	
		MIN	.2168		.2480		.3105		.3730		.4355		.4980	
(C)	PILOT LENGTH		.062		.062		.094		.094		.094		.094	
D	CHAMFER LENGTH /5/ MIN		.031		.031		.047		.047		.047		.047	
(E)	CROWN HEIGHT /5/		.022		.026		.034		.039		.047		.062	
R	RADIUS ±.010		.281		.312		.375		.469		.531		.625	
	RECOMMENDED HOLE SIZE	MAX	.2219		.2534		.3166		.3797		.4428		.5060	
		MIN	.2189		.2500		.3125		.3750		.4375		.5000	
SINGLE SHEAR STRENGTH – LBF MIN			3,390		4,420		6,900		9,900		13,500		17,600	
L	LENGTH	±.010	DASH NO.	ØB ±.002	DASH NO.	ØB ±.002	DASH NO.	ØB ±.002	DASH NO.	ØB ±.002	DASH NO.	ØB ±.002	DASH NO.	ØB ±.002
	.625		32	.227	38	.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	.449	95	.514

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) "ØB" IS THE EXPANDED DIAMETER AS MEASURED WITH A RING GAGE.
- (3) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (4) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- /5/ ENDS MAY BE CROWNED OR CHAMFERED. ENDS ON SIZES THRU .250 MAY BE SQUARE WITH .01 TO .02 RADIUS ON THE EDGES.
- (6) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (7) REMOVE ALL BURRS AND SHARP EDGES.
- (8) TOLERANCES AND DIMENSIONING PER ANSI Y14.5M-1982.

① COMPLETELY REVISED

REVISION

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