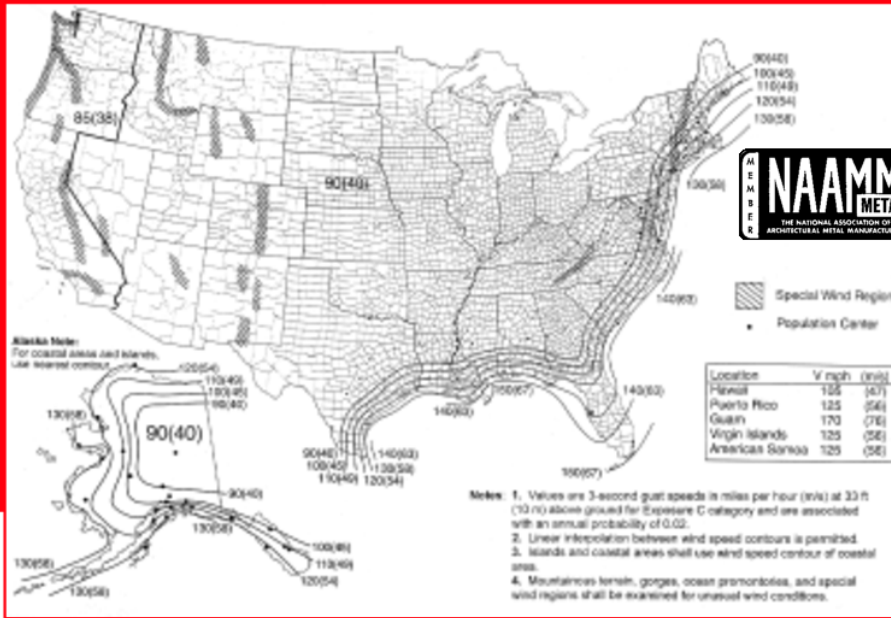


WIND SPEED CHART for FLAGPOLE and FLAG APPLICATION



Major factors to consider when specifying the correct flagpole include: the wind zone area, flagpole height, base diameter, wall thickness and flag size.

This map, revised in 1997 by the National Association of Architectural Metal Manufacturers (NAAMM) in compliance with changes in the American National Standard (ANSI) commercial building codes (ANSI/NAAMM FP 1001-97), shows the maximum steady wind expected within a 50-year period of recurrence, at an elevation of 30 feet above ground level.

This page lists the standard flagpole models which are sorted by exposed shaft height sequence with the maximum unflagged wind speed shown for each height/base diameter/wall thickness configuration. Also shown is the recommended flag size for each height.

These calculations are for ground mounted flagpoles only. Contact Concord Customer Service for shoebase mounting and other mounting applications.

This map is reproduced, with permission from ASCE Standard Minimum Design Loads for Buildings and Other Structures, ASCE 7-95 by the American Society of Civil Engineers.

CAUTION: Flag size recommendations do not constitute a warranty that flags of the size shown may be safely flown in all wind speeds. Flying oversized flags may result in personal injury, property damage or damage to the flagpole. Extreme caution should be exercised when installing flagpoles near overhead power lines or in the vicinity of underground cable or utility pipes.

EXPOSED HEIGHT feet	WALL DIAMETER inches		MAXIMUM THICKNESS inches	MAXIMUM UNFLAGGED WINDSPEED mph	RECOMMENDED FLAG SIZE feet	FLAGGED WINDSPEED mph	CONTINENTAL	ESTATE	INDEPENDENCE	SENTRY
	base	top					External Halyard	External Halyard	Cable Based Internal Halyard	Rope Based Internal Halyard
15	3	2	.125	170	3 x 5	120		E15030125		
20	3	2	.125	123	5 x 8	85		E20030125		
20	4	2	.125	163	5 x 8	110	C20040125			
20	5	3	.125	255	5 x 8	120+	C20050125			S20050125
20	5	3	.188	316	5 x 8	120+	C20050188			S20050188
25	3	2	.125	94	5 x 8	50		E25030125		
25	5	3	.125	154	5 x 8	105	C25050125			S25050125
25	5	3	.156	201	5 x 8	120	C25050156			S25050156
25	5.5	3.5	.188	256	5 x 8	120+	C25055188			
25	6	3.5	.156	195	5 x 8	120+	C25060156		I25060156	S25060156
25	6	3.5	.188	222	5 x 8	120+	C25060188		I25060188	S25060188
30	4	2	.125	97	6 x 10	50		E30040125		
30	5	3	.125	110	6 x 10	85	C30050125			
30	5	3	.156	126	6 x 10	95	C30050156			S30050156
30	6	3.5	.156	195	6 x 10	120	C30060156		I30060156	S30060156
30	6	3.5	.188	222	6 x 10	120+	C30060188		I30060188	S30060188
35	5	3	.125	90	6 x 10	75		E35050125		
35	5	3	.156	100	6 x 10	80	C35050156			S35050156
35	6	3.5	.156	129	6 x 10	95	C35060156		I35060156	S35060156
35	7	3.5	.156	184	6 x 10	120	C35070156		I35070156	S35070156
35	7	3.5	.188	209	6 x 10	120	C35070188		I35070188	S35070188
40	7	3.5	.156	138	8 x 12	95	C40070156		I40070156	S40070156
40	8	3.5	.188	203	8 x 12	120	C40080188		I40080188	
45	8	3.5	.188	166	8 x 12	110	C45080188		I45080188	
50	8	3.5	.188	127	10 x 15	95	C50080188		I50080188	
50	10	4	.188	185	10 x 15	115	C50100188		I50100188	
60	10	4	.188	136	12 x 18	95	C60100188		I60100188	
60	10	4	.250	167	12 x 18	110	C60100250		I60100250	
60	12	4.4	.250	213	12 x 18	120	C60120250		I60120250	
70	10	4	.312	145	15 x 25	95	C70100312		I70100312	
70	12	3.6	.250	169	15 x 25	115	C70120250		I70120250	
80	12	4	.375	174	20 x 30	115	C80120375		I80120375	