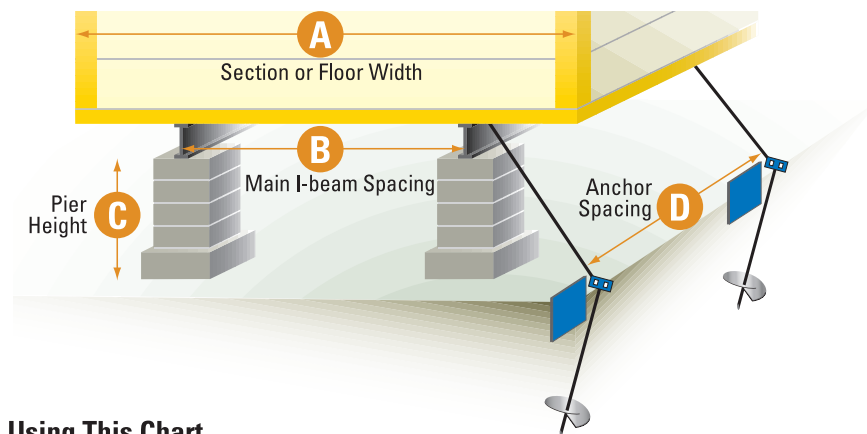


Maximum Anchor Spacing Selector



			Wind Zone I				Wind Zone II				Wind Zone III				
			Single Section		Double Section		Single Section		Double Section		Single Section		Double Section		
			Anchor Length	30" or 36"	48" or 60"	30" or 36"	48" or 60"	48"	48" or 60"	48"	48" or 60"	48"	48" or 60"	48"	48" or 60"
			Stabilizer Plate Width	12"	17"	12"	17"	12"	17"	12"	17"	12"	17"	12"	17"
			Working Load (lbs.)	2000	3150	2000	3150	2500	3150	2500	3150	2500	3150	2500	3150
A	B	C	D												
Section/Floor Width	Main I-Beam Spacing	Pier Height	Maximum Anchor Spacing (Feet)												
Less than 13'	Less than 88"	Less than 25"	7.0	11.5	8.5	13.5	5.0	6.5	5.0	6.5	4.0	5.5	4.0	5.5	
		25" to 39"	5.5	9.0	6.5	10.0	4.0	5.0	4.0	5.0	◆	4.0	◆	4.0	
		40" to 48"	4.5	7.0	4.5	7.5	◆	4.0	◆	4.0	◆	◆	◆	◆	
	88" and above	Less than 25"	5.5	9.0	6.5	10.5	4.0	5.0	4.0	5.0	◆	4.0	◆	4.0	
		25" to 39"	4.0	6.5	4.5	7.5	◆	◆	◆	◆	◆	◆	◆	◆	
		40" to 48"	3.0	5.0	3.5	5.5	◆	◆	◆	◆	◆	◆	◆	◆	
13' to 15'	Less than 88"	Less than 25"	8.5	13.5	10.0	16.0	6.0	7.5	6.0	7.5	5.0	6.5	5.0	6.5	
		25" to 39"	7.0	11.0	8.0	13.0	5.0	6.0	5.0	6.0	4.0	5.0	4.0	5.0	
		40" to 48"	5.5	9.0	6.0	10.0	4.0	5.0	4.0	5.0	◆	4.0	◆	4.0	
	88" and above	Less than 25"	7.5	12.0	9.0	14.5	5.5	6.5	5.5	6.5	4.5	5.5	4.5	5.5	
		25" to 39"	6.0	9.5	7.0	11.0	4.0	5.0	4.0	5.0	◆	4.5	◆	4.5	
		40" to 48"	4.5	7.5	5.0	8.0	◆	4.0	◆	4.0	◆	◆	◆	◆	
15' to 17'	Less than 88"	Less than 25"	9.0	14.5	11.5	18.5	6.5	8.5	6.5	8.5	5.5	7.0	5.5	7.0	
		25" to 39"	8.0	12.5	9.5	15.5	5.5	7.0	5.5	7.0	4.5	6.0	4.5	6.0	
		40" to 48"	6.5	10.5	7.5	12.0	5.0	6.0	5.0	6.0	4.0	5.0	4.0	5.0	
	88" and above	Less than 25"	8.5	13.5	11.0	17.0	6.0	8.0	6.0	8.0	5.0	6.5	5.0	6.5	
		25" to 39"	7.0	11.5	8.5	14.0	5.0	6.5	5.0	6.5	4.0	5.5	4.0	5.5	
		40" to 48"	6.0	9.5	6.5	10.5	4.0	5.5	4.0	5.5	◆	4.5	◆	4.5	
More than 17'	Less than 88"	Less than 25"	9.0	14.0	12.5	20.0	7.0	8.5	7.0	8.5	5.5	7.0	5.5	7.0	
		25" to 39"	8.5	13.5	10.5	17.0	6.0	8.0	6.0	8.0	5.0	6.5	5.0	6.5	
		40" to 48"	7.5	12.0	8.5	13.5	5.5	7.0	5.5	7.0	4.5	5.5	4.5	5.5	
	88" and above	Less than 25"	9.5	14.5	12.0	19.0	6.5	8.5	6.5	8.5	5.5	7.0	5.5	7.0	
		25" to 39"	8.0	13.0	10.0	16.0	5.5	7.5	5.5	7.5	4.5	6.0	4.5	6.0	
		40" to 48"	7.0	11.0	8.0	12.5	5.0	6.0	5.0	6.0	4.0	5.0	4.0	5.0	

◆ This combination of factors may reduce the performance of the anchoring system. Separate engineering analysis is required.



Using This Chart

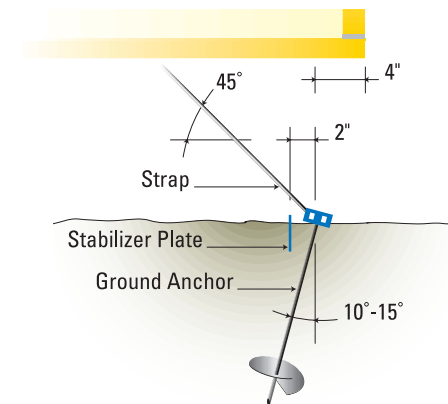
This chart is used to find spacing between ground anchors defined as the horizontal distance between anchors on the long sides of the home. To determine the appropriate anchor spacing, follow the steps below:

1. Identify the **Wind Zone** for the home site. (A map of the three **Wind Zones** is provided on the Data Plate provided in the home.)
2. Take the following measurements from the home: **Section or Floor Width** (A), **Main I-beam Spacing** (B), and **Pier Height** (C) (see illustration). Note that **Section or Floor Width** (A) does not include projections or overhangs. For double section homes, use the width of only one of the sections. Use the tallest pier in determining the **Pier Height** (C).
3. On the chart, find the rows corresponding to the home's **Section or Floor Width** (A). Within this group of rows, find the rows corresponding to the **Main I-beam Spacing** (B). Finally, select the row containing the home's **Pier Height** (C).
4. Reading across the row, select the columns for the **Wind Zone** and home type (Single or Double Section).
5. Choose the desired **Anchor Length** and note the corresponding **Stabilizer Plate Width**. Read down the column and across the previously selected row to find the appropriate **Anchor Spacing** (D).

Example

A 14'-wide Single Section home is being installed in **Wind Zone II**. The home's **Main I-beam Spacing is 86"** and the tallest **Pier is 36" high**. On the *Maximum Anchor Spacing Selector* find the rows for **Section or Floor Width of 13' to 15'**, **Main I-beam Spacing of Less than 88"** and **Pier Height of 25" to 39"**. Read across this row to where it intersects the columns for **Single Section homes in Wind Zone II**. Using a **48" anchor**, note that a **12" Stabilizer Plate** should be used and the **anchors should be spaced no more than 5'-0" apart**.

Anchor Detail



Important Notes About The Anchor Spacing Selector

1. For homes with 8-foot sidewalls, reduce the recommended anchor spacing by 1/2-foot.
2. Do not use this chart for homes with roof slopes greater than 20° (approximately 4-in-12).
3. Note that for the same section width, single and double section homes may have different anchor spacing.

Steps For Proper Ground Anchor Installation

1. Follow the instructions on the left side of this card to determine the proper anchor spacing.
2. Place the anchors approximately four inches to the inside of the exterior wall line of the home or a sufficient distance to avoid interference with the skirting (see diagram inset).
3. Hold the anchor at an angle of approximately 15 degrees off of vertical so that the head of the anchor is just outside the sidewall (see diagram inset).
4. Install the anchor to a depth of approximately one-third (1/3) the anchor length.
5. Place a stabilizer plate of the size indicated on the chart to the inside of the anchor shaft (side of shaft toward center of house) and two inches from the shaft (see diagram inset).
6. Drive the stabilizer plate into the ground until the top of the plate is flush with the surface of the ground.
7. Install the anchor to its full depth.
8. Attach the anchor head to the chassis main rail with approved strapping and connection hardware in accordance with the strap manufacturer's instructions.
9. Pretension the anchor by pulling it up to the stabilizer plate. Pull the anchor approximately 1/2-inch more while it is in contact with the plate using the strap and take-up bolt to move the anchor head.
10. After all anchors have been installed and pretensioned, recheck all anchor straps to assure that they are tight and that the anchor shafts have remained in contact with the stabilizer plate.

Disclaimer

The values on the chart are intended as a guide for anchor installers. These values are not a substitute for taking soil capacity measurements and designing the anchor system by applying accepted engineering practices nor do they replace or supercede the home manufacturers' installation instructions. The values listed on the chart are based on tests performed in representative soil conditions and using three inches horizontal movement of the anchor head as the loading limit, not anchor pullout. Actual spacing requirements may differ from the values on the chart. The *Maximum Anchor Spacing Selector* should only be used for homes with dimensions falling within the values noted on the chart.

The engineering analysis used in developing this chart was reviewed by T.R. Arnold & Associates, Inc. and PFS Corporation, US Department of Housing and Urban Development approved third-party inspection agencies, and certified to be in conformance with standard engineering practice and the federal Manufactured Home Construction and Safety Standards. The Manufactured Housing Research Alliance and its members, the Manufactured Housing Institute, Minute Man Anchors, Style Crest Products and Tie Down Engineering, sponsors of this work, assume no liability for errors in anchor system design, spacing and installation resulting from the use of this information.

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