

## GUIDELINES TO FOLLOW

- 1 Always** have a qualified assistant present when using any portable ramp.
- 2 Never** exceed a slope greater than 2" on 12" with an occupied chair or scooter.
- 3 Never** exceed a slope greater than 3" on 12" with an unoccupied chair or scooter.
- 4 Always** make sure that top of ramp is secured on step or landing before using. It may be necessary to anchor top of ramp to landing surface with steel security pins provided.
- 5 Always** make certain there is adequate head clearance prior to loading an occupied chair or scooter into a vehicle.
- 6 Always** follow manufacturer recommendations for chair or scooter.
- 7 Always** use your lap belt.
- 8 Watch** safety DVD prior to use.

## SLOPE RECOMMENDATIONS

### 1:12 SLOPE

- The ADA recommended slope for long (up to 30') home and commercial ramps.
- Works for most strong, unassisted manual chair users, although PVI always recommends assistance whenever possible.

### 2:12 SLOPE

- Maximum acceptable grade for portable ramp use by occupied chairs and scooters with a qualified assistant.

### 3:12 SLOPE

- For loading unoccupied chairs and scooters.

### PVI DOES NOT RECOMMEND ANY SLOPE GREATER THAN 3:12

Prairie View Industries recommends NOT to exceed a 2:12 slope on most applications. Some ramps may need to meet ADA (1:12 slope) requirements that are specified by your state. If your rise is over 24", please contact your local dealer about our modular ramp system. To find a 2:12 slope, take total amount of rise and divide by 2. If you have a 12" rise, divide by 2 and the resulting number would be the length of ramp which is required in feet or you would need a 6' ramp. A 1:12 slope would require 1 foot of ramp for every inch of rise.

**Note: Consideration must be taken if the ground is not level and slopes away from the rise where ramp will be placed. Please contact your dealer for evaluation on these applications.**

## EASY AS 1-2-3

To determine the length of ramp for your application, first you will need to determine the rise. The rise is the vertical measurement between the ground and where the top of the ramp is going to sit.

### Step #1

Measure the rise of your application.

### Step #2

Determine your maximum slope. Refer to Slope Recommendations on page to right or visit our website [www.pviramps.com/products/calculator](http://www.pviramps.com/products/calculator) to use our ramp length calculator.

### Step #3

Pick the proper ramp length, based on your selections, in the graph to the right.



## KEY

- 1:12 SLOPE RATIO
- 2:12 SLOPE RATIO
- 3:12 SLOPE RATIO (UNOCCUPIED)



RAMP RISE IN INCHES	36"									17.5°
	34"									13.3°
	32"									12.5°
	30"								14.5°	11.8°
	28"								13.5°	11°
	26"								12.5°	10.2°
	24"							14.5°	11.5°	9.5°
	22"							13.2°	10.6°	8.7°
	20"						13.8°	12°	9.6°	7.9°
	18"					14.5°	12.4°	10.8°	8.6°	7.1°
	16"					12.8°	11°	9.6°	7.7°	6.3°
	14"				13.5°	11.2°	9.6°	8.4°	6.7°	5.6°
	12"			14.5°	11.5°	9.6°	8.2°	7.2°	5.7°	4.8°
	10"		16.1°	12°	9.6°	8°	6.8°	6°	4.8°	4°
	9"		14.5°	10.8°	8.6°	7.2°	6.2°	5.4°	4.3°	3.6°
	8"		12.8°	9.6°	7.7°	6.4°	5.5°	4.8°	3.8°	3.2°
	7"	17°	11.2°	8.4°	6.7°	5.6°	4.8°	4.2°	3.3°	2.8°
	6"	14.5°	9.6°	7.2°	5.7°	4.8°	4.1°	3.6°	2.9°	2.4°
	5"	12°	8°	6°	4.8°	4°	3.7°	3°	2.4°	2°
4"	9.6°	6.4°	4.8°	3.8°	3.2°	2.7°	2.4°	1.9°	1.6°	
3"	7.2°	4.8°	3.6°	2.9°	2.4°	2°	1.8°	1.4°	1.2°	
	2'	3'	4'	5'	6'	7'	8'	10'	12'	

RAMP LENGTH

RAMP LENGTH

Product	2'	3'	4'	5'	6'	7'	8'	10'	12'
Single Fold (PG 7)	•	•	•	•	•				
Multifold (PG 5)				•	•	•	•		
Multifold Reach (PG 6)					•	•	•		
Solid (PG 8)		•	•	•					
OnTrac (PG 3)		•	•	•	•	•	•	•	
Elev8 (PG 12)	•	•	•						
Wheel-A-Bout (PG 9)								•	•