

# Ramp Selection Guidelines

- 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. **Never** exceed a slope greater than 3" on 12" with an **unoccupied** chair or scooter.
- 3. 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.
- 4. Make certain** there is adequate head clearance prior to loading an **occupied** chair or scooter into a vehicle.
- 5. Always** follow manufacturer recommendations for chair or scooter.
- 6. Always** use your lap belt.

## 7. Slope Recommendations

### 1:12 SLOPE (4.8°)

- 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.

### 2:12 SLOPE (9.5°)

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

### 3:12 SLOPE (14.5°)

For loading **unoccupied** chairs and scooters.

- 8. Watch** safety DVD prior to use.

To determine the length of ramp for your application, first you 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.

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.



Ramp Rise in Inches	Ramp Length										
	2'	3'	4'	5'	6'	7'	8'	10'	12'		
3"	7.2°	4.8°	3.6°	2.9°	2.4°	2.0°	1.8°	1.4°	1.2°		
4"	9.6°	6.4°	4.8°	3.8°	3.2°	2.7°	2.4°	1.9°	1.6°		
5"	12.0°	8.0°	6.0°	4.8°	4.0°	3.7°	3.0°	2.4°	2.0°		
6"	14.5°	9.6°	7.2°	5.7°	4.8°	4.1°	3.6°	2.9°	2.4°		
7"	17.0°	11.2°	8.4°	6.7°	5.6°	4.8°	4.2°	3.3°	2.8°		
8"		12.8°	9.6°	7.7°	6.4°	5.5°	4.8°	3.8°	3.2°		
9"		14.5°	10.8°	8.6°	7.2°	6.2°	5.4°	4.3°	3.6°		
10"		16.1°	12.0°	9.6°	8.0°	6.8°	6.0°	4.8°	4.0°		
12"			14.5°	11.5°	9.6°	8.2°	7.2°	5.7°	4.8°		
14"				13.5°	11.2°	9.6°	8.4°	6.7°	5.6°		
16"					12.8°	11.0°	9.6°	7.7°	6.3°		
18"					14.5°	12.4°	10.8°	8.6°	7.1°		
20"						13.8°	12.0°	9.6°	7.9°		
22"							13.2°	10.6°	8.7°		
24"							14.5°	11.5°	9.5°		
26"								12.5°	10.2°		
28"								13.5°	11.0°		
30"								14.5°	11.8°		
32"									12.5°		
34"										13.3°	
36"											14.5°

**Why would you put a loved one on anything other than a safety tested ramp?**

## What Makes PVI Ramps Safer?

Extra Strong Construction ■ Stronger Frame – Welded, Not Riveted

Multifold Ramps Have Center Joint Hinge that Eliminates Major Pinch Points ■ Skid Resistant Surfaces

Full Width Platforms ■ Safety DVD with Every Ramp ■ And Even More Safety Features



# Ramp Model Selection Guide

- To select your ramp model, first determine the rise of your application.
- Find your maximum rise and scan across to find the proper ramp in the far left column.
- Never exceed a slope greater than 2" on 12" with an occupied chair or scooter.
- Never exceed a slope greater than 3" on 12" with an unoccupied chair or scooter



Item Number	Description	Maximum Rise Occupied (2:12 slope ratio)	Maximum Rise Unoccupied (3:12 slope ratio)
SFW230	Singlefold 2' x 30"	4"	6"
SFW330	Singlefold 3' x 30"	6"	9"
SFW430	Singlefold 4' x 30"	8"	12"
SFW530	Singlefold 5' x 30"	10"	15"
WCR530	Multifold 5' x 30"	10"	15"
WCR630	Multifold 6' x 30"	12"	18"
WCR730	Multifold 7' x 30"	14"	21"
WCR830	Multifold 8' x 30"	16"	24"
WC1030	Multifold 10' x 30"	20"	30"
WC1230	Multifold 12' x 30"	24"	36"
UTW630	Utility Ramp 6' x 30"	12"	18"
UTW730	Utility Ramp 7' x 30"	14"	21"
UTW830	Utility Ramp 8' x 30"	16"	24"
UTW1030	Utility Ramp 10' x 30"	20"	30"
THR832	Threshold 8" x 32"	1/2"	2"
TH1032	Threshold 10" x 32"	3/4"	2.5"
TH1232	Threshold 12" x 32"	1"	3"
TH1632	Threshold 16" x 32"	2"	4"
TH2432	Threshold 24" x 32"	3"	6"
SL330	Solid 3' x 30" Ramp	6"	9"
SL336	Solid 3' x 36" Ramp	6"	9"
SL430	Solid 4' x 30" Ramp	8"	12"
SL436	Solid 4' x 36" Ramp	8"	12"
SL530	Solid 5' x 30" Ramp	10"	15"
SL536	Solid 5' x 36" Ramp	10"	15"
BAR536	Bariatric Multifold 5' x 36"	10"	15"
BAR636	Bariatric Multifold 6' x 36"	12"	18"
BAR736	Bariatric Multifold 7' x 36"	14"	21"
BAR836	Bariatric Multifold 8' x 36"	16"	24"
BPR348	Bariatric Panel 3' x 48" (3-panel)	6"	9"
BPR448	Bariatric Panel 4' x 48" (3-panel)	8"	12"
BPR548	Bariatric Panel 5' x 48" (3-panel)	10"	15"
BPR648	Bariatric Panel 6' x 48" (3-panel)	12"	18"