



# Roll-A-Ramp® Modular Ramp System

## Modular Ramps: Create the Perfect System



Permanent ramps are expensive, cannot be moved, and need a building permit.

Get Roll-A-Ramp® and decide when and where you want to use it!



- ROLLS UP** For Easy Handling & Convenient Storage
- PORTABLE** Easily Divides Into Lightweight Sections
- ANY LENGTH** Easily Add Or Remove Links To Adjust Length
- 1,000 LB CAPACITY** Made Of Lightweight Aircraft Aluminum
- 6 WIDTHS AVAILABLE** Portable At Any Length





# Roll-A-Ramp® Modular Ramp System™

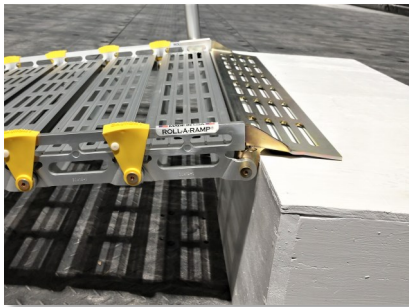
## 5 Steps To Creating Your Ramp

- 1) Choose ramp Width (30" or 36")
- 2) Evaluate the correct ramp Length depending on rise and use situation.
- 3) Measure rise to help determine correct Stand size (Stands are included with ramps 11 feet and longer).
- 4) Decide if you need Handrails — on one side or both sides, sections or continuous, straight ended or looped.
- 5) Determine if Platform should be added for turns or limited space.

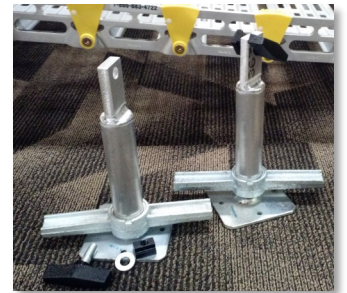
### Included in Modular System



Roll-A-Ramp®



Upper Load Bearing Plate



Stands for all ramps 11'+



Handrails If Ordered:  
1 Side or Both,  
Looped End or  
Straight



Platform If Ordered



Quick Connect  
pins for all ramps  
7'+



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# Roll-A-Ramp® Modular Ramp System™

## Step 1: Choose Ramp Width

### 4 Widths Available

26"

30" (fits most chairs/scooters, good for ramps that will be moved often)

36" (preferable for power chairs)

48"

### Factors to consider in determining the correct width

- Measure the wheel base of wheelchair or scooter
- ADA is 36" (California 48") for stationary installs
- Usable width is 3/4 inch less than outside measurement
- The upper load bearing plate is 6" and will set on the top level with a rubber underside, which keeps it secure and protects the surface
- Roll-A-Ramp® can easily be divided into smaller sections that are lighter and easier to store



# Roll-A-Ramp® Modular Ramp System™

## Step 2: Evaluate the Correct Ramp

### 1. Determine Use

#### A) Public Use: ADA Compliant

1:12 slope—1 foot of ramp for each 1 inch of rise

Example: 24" vertical rise = 24' ramp length

#### B) Home Use: Walking, Wheelchairs, and Scooters

Slope Angle: 7° Length Calculation: Vertical rise divided by 1.5

Example: 24" vertical rise divided by 1.5 = 16' ramp

1. Best for individuals with limited walking ability
2. A smaller person helping a larger person in the wheelchair
3. Independent wheelchair user
4. Power wheelchairs and scooters

#### C) Home Use: Walking, Assisting a Manual Wheelchair, Power Wheelchairs, and Scooters

Slope Angle: 10° Length Calculation: Vertical rise divided by 2

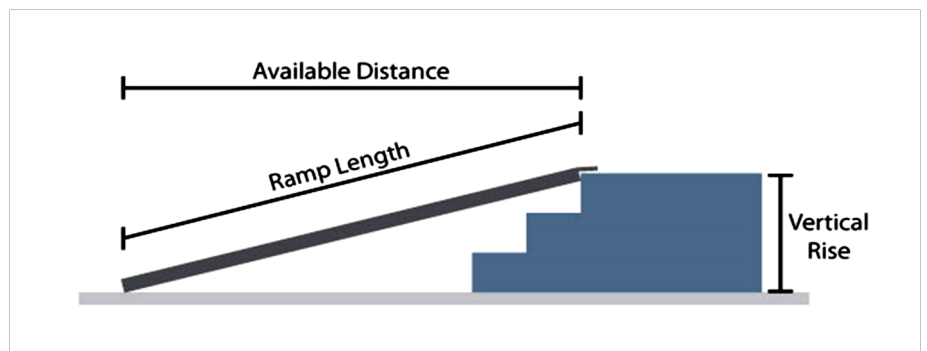
Example: 24': vertical rise divided by 2 = 12' ramp

1. Walking up the ramp (handrails recommended)
2. Able-bodied helper assisting a manual wheelchair user up the ramp
3. Most power wheelchairs and scooters





### 2. Determine Length

Use the Length Calculations listed above

Or use the Length Calculation Chart on the next page → → →



# Roll-A-Ramp® Length Calculation Chart

ADA (4.8-Degree) 1:12 ratio	 RAMP LENGTH	7-Degree = Rise / 1.5	 RAMP LENGTH	10-Degree = Rise / 2	 RAMP LENGTH	12-Degree = Rise / 2.5	 RAMP LENGTH
RISE Distance (inches)	RAMP LENGTH	RISE Distance (inches)	RAMP LENGTH	RISE Distance (inches)	RAMP LENGTH	RISE Distance (inches)	RAMP LENGTH
7"	7 FT	7"	5 FT	7"	4 FT	7"	4 FT
8"	8 FT	8"	6 FT	8"	5 FT	8"	4 FT
9"	9 FT	9"	7 FT	9"	5 FT	9"	5 FT
10"	10 FT	10"	7 FT	10"	6 FT	10"	5 FT
11"	11 FT	11"	8 FT	11"	6 FT	11"	5 FT
12"	12 FT	12"	9 FT	12"	7 FT	12"	6 FT
13"	13 FT	13"	9 FT	13"	7 FT	13"	6 FT
14"	14 FT	14"	10 FT	14"	8 FT	14"	7 FT
15"	15 FT	15"	11 FT	15"	8 FT	15"	7 FT
16"	16 FT	16"	11 FT	16"	9 FT	16"	7 FT
17"	17 FT	17"	12 FT	17"	9 FT	17"	8 FT
18"	18 FT	18"	13 FT	18"	10 FT	18"	8 FT
19"	19 FT	19"	13 FT	19"	10 FT	19"	9 FT
20"	20 FT	20"	14 FT	20"	11 FT	20"	9 FT
21"	21 FT	21"	15 FT	21"	11 FT	21"	10 FT
22"	22 FT	22"	15 FT	22"	12 FT	22"	10 FT
23"	23 FT	23"	16 FT	23"	12 FT	23"	10 FT
24"	24 FT	24"	17 FT	24"	13 FT	24"	11 FT
25"	25 FT	25"	17 FT	25"	13 FT	25"	11 FT
26"	26 FT	26"	18 FT	26"	14 FT	26"	12 FT
27"	27 FT	27"	19 FT	27"	14 FT	27"	12 FT
28"	28 FT	28"	19 FT	28"	15 FT	28"	12 FT
29"	29 FT	29"	20 FT	29"	15 FT	29"	13 FT
30"	30 FT	30"	21 FT	30"	16 FT	30"	13 FT
31"	31 FT	31"	21 FT	31"	16 FT	31"	14 FT
32"	32 FT	32"	22 FT	32"	17 FT	32"	14 FT
33"	33 FT	33"	23 FT	33"	17 FT	33"	15 FT
34"	34 FT	34"	23 FT	34"	18 FT	34"	15 FT
35"	35 FT	35"	24 FT	35"	18 FT	35"	16 FT
36"	36 FT	36"	25 FT	36"	19 FT	36"	16 FT
<b>Americans with Disabilities Act Compliance</b>	Manual wheelchairs assisted & unassisted, walking	Manual wheelchairs assisted & power wheelchairs		Max recommended for power wheelchairs, or strong assistance w/ manual wheelchairs			
	Standard placement = top 12" of ramp is on upper surface.		Standard placement = top 6" of ramp is on upper surface.				



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## Step 3: Measure Rise To Determine Stand Size

Stands are included with Modular Ramps 11 feet and longer:

Provides stability and required for ramps 11 ft or longer. Position at center point, or at every 6—8 feet on longer ramps.

Adjustable & easy to install.

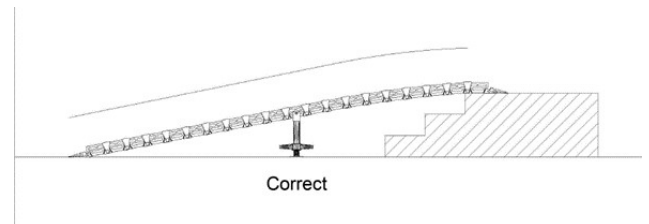
X Short 6.00" - 9.00" (15cm—23cm)

Short 10.00" - 13.50" (25,4cm—34,3cm)

Long 15.75" - 21.50" (40cm—54,6cm)

X Long 23.50" - 35.00" (59,7cm—90,2cm)

2X Long 35.50" - 52.75" (90,8—134cm)



After fixing the stand, slightly move the spindle up and down until the ramp is straight.

Stand is secured with a T-Bolt, no tools required.

It should only be cambered or have a slight upward curve on top end of the ramp.

The rest of the ramp should appear as flat neither bowing up nor sagging down.



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## Step 4: Decide If You Need Handrails

### One Side or Both

### Sections or Continuous

**Handrail Sections** Standard configuration unless Continuous is preferred. Consists of multiple shorter sections for easy portability. Handrail sections can be easily removed and stored without disassembling.



**Continuous Rail** Optional at no additional charge. Handrail extends from beginning to end with no gaps between sections. Handrail may need to be disassembled for transportation or storage.

*\*ADA-Compliant option for stationary ramps for public use*



### Straight Ends or Looped Ends

**Straight End Handrail** Handrail has a 90° end. The more economical option, offering the most efficient storage and portability.



**Loop End Handrail\*** The extension of the loops allows user to grip a loop while entering/exiting the ramp. Adds an extra layer of security.



*\*ADA-compliant style*



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## Step 5: Determine If Platform Should Be Added

### When to use a Platform

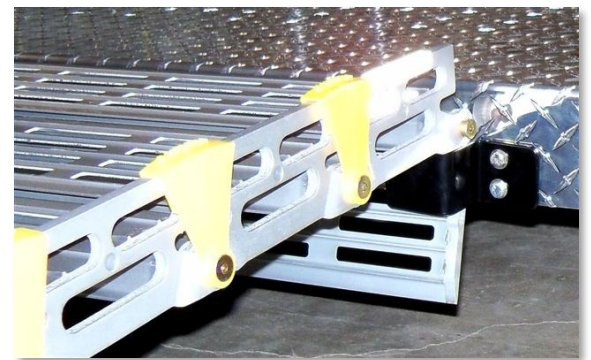
1. When a change of direction is needed due to space restrictions (see examples below)
2. As a resting point on a longer ramp—or personal preference.

### Choose a Platform size

4'x4' / 4'x5' / 5'x5' Aluminum Platform Kit

### Included with Platform Kit

1. Aluminum platform base (4' x 4' / 4' x 5' / 5' x 5')
2. Handrail kits for 2 sides of platform
3. Adjustable legs \*see page 14 for options
4. Mount brackets for rails, ramp, and legs



**Secure Ramp-to-Platform Connection:**  
Ramp may be lifted up for use elsewhere.

### Choose a Platform height

Legs are adjustable and included in the Platform Kit

Short	10.00" - 13.25"
Long	15.75" - 21.50"
XL	23.50" - 35.00"
2X	35.50" - 53.00"

#PFR Platform Leg Reinforcement Kit  
Required for a leg height of 30"+

