



# 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

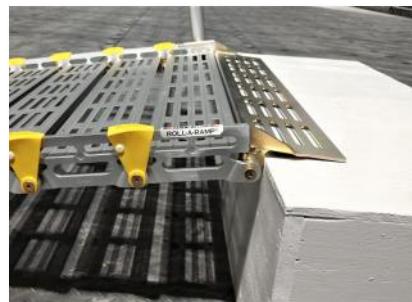
## 5 Steps To Creating Your Ramp

- 1) Choose ramp Width (26",30",36",48")
- 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 10 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 10'+)



Handrails If Ordered:  
One or both sides  
Looped End or  
Straight



Quick Connect  
pins for all ramps  
7'+



Platform with Legs  
(ordered separately)



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# Roll-A-Ramp Modular Ramp System

## Step 1: Choose Ramp Width

### 4 Widths Available

26" (for narrower mobility devices)

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

36" (preferable for power chairs)

48" (Oversized chairs, some public applications)

### 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" 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



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# Roll-A-Ramp Modular Ramp System

## Step 2: Calculate the Correct Ramp Length

### 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

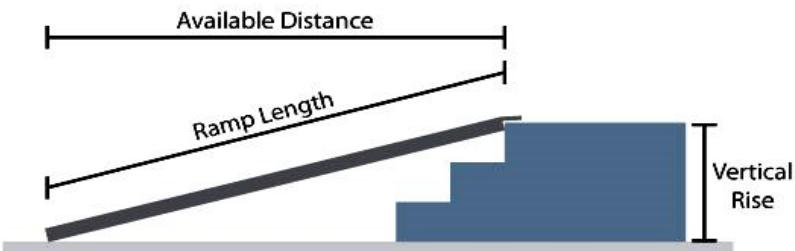
**Example: 24": vertical rise divided by 2 = 12' ramp**

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	 ROLL-A-RAMP When Strength and Economy Meet	7-Degree = Rise / 1.5	 ROLL-A-RAMP When Strength and Economy Meet	10-Degree = Rise / 2	 ROLL-A-RAMP When Strength and Economy Meet	12-Degree = Rise / 2.5	 ROLL-A-RAMP When Strength and Economy Meet
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
Americans with Disabilities Act Compliance				Manual wheelchairs assisted & power wheelchairs, walking			
Standard placement = top 12" of ramp is on upper surface.				Manual wheelchairs assisted & power wheelchairs			
Load-Bearing approach plate = top 6" of ramp is on upper surface.							

# Roll-A-Ramp Modular Ramp System

## Step 3: Measure Rise To Determine Stand Size

### **Stands are included with Modular Ramps 10' and longer:**

Provides stability and required for ramps 10' and longer.

Position at middle point, or at every 6—8 feet on longer ramps.

Adjustable & easy to install.

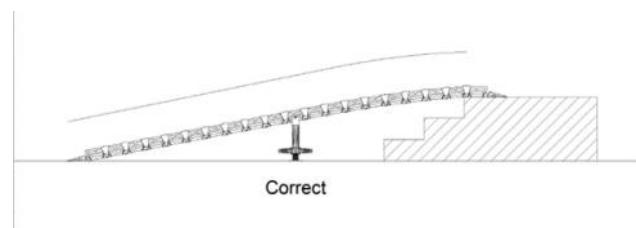
X Short 5.375" - 7.875" (9.84 cm—16.19 cm)

Short 10.625" - 15.25" (23.5 cm—35.88 cm)

Long 16.50" - 27.875" (38.1 cm—52.07 cm)

X Long 24.50" - 38.875" (58.42 cm—88.58 cm)

2X Long 36.125" - 52.75" (87.95 cm—130.49 cm)



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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# Roll-A-Ramp Modular Ramp System

## Step 4: Decide If You Need Handrails

**One Side or Both:** Handrails can be on either one side or both sides of the ramp.

### Sections or Continuous:

**Handrail Sections** Standard configuration unless Continuous is requested. Consists of multiple shorter sections for easy portability. Handrail sections can be easily removed and stored without disassembling. There will be a **4" gap between sections. These handrails can be set up by 1 person.**



**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. It is recommended to have two people set up the ramp.



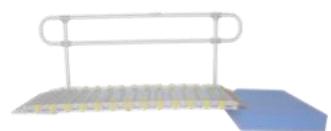
*\*ADA-Compliant option for stationary ramps*

### 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.



**Single Loop End Handrail** Handrail has one end with a loop and one end with a 90° end.



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## Step 5: Determine If Platform Should Be Added

### When to use a Platform

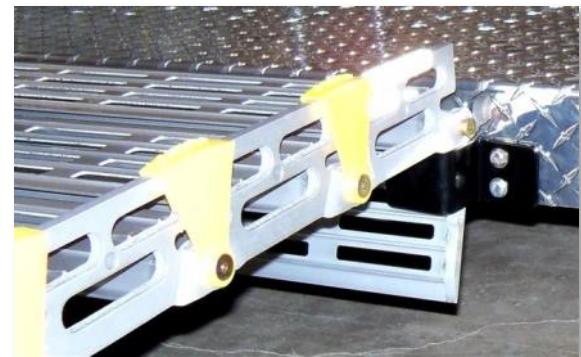
1. When a change of direction is needed due to space restrictions
2. As a resting point on a longer ramp (ADA requires a platform for ramps longer than 30')

### Choose a Platform size

4'x4' / 4'x5' / 5'x5'

### 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
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"

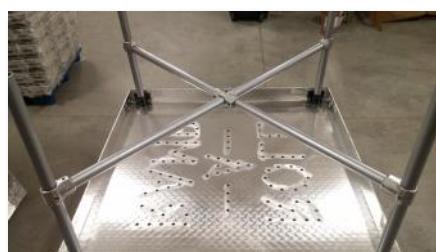
Long            15.75" - 21.50"

XL              23.50" - 35.00"

2X              35.50" - 53.00"

#PFR Platform Leg Reinforcement Kit

Required for a leg height of 30"+



# Roll-A-Ramp Modular Ramp System

## Weights and Measures

26" Width			
Length (feet)	Weight	Weight w/ LBAP	Rolled Diameter
3'	15 lbs.	20 lbs.	12"
4'	21 lbs.	26 lbs.	14"
5'	27 lbs.	32 lbs.	16"
6'	33 lbs.	38 lbs.	18"
7'	39 lbs.	44 lbs.	20"
8'	45 lbs.	50 lbs.	22"
9'	51 lbs.	56 lbs.	24"
10'	57 lbs.	62 lbs.	26"
11'	63 lbs.	68 lbs.	28"
12'	69 lbs.	74 lbs.	30"
13'	75 lbs.	80 lbs.	32"
14'	81 lbs.	86 lbs.	34"
15'	87 lbs.	92 lbs.	36"
16'	93 lbs.	98 lbs.	38"
17'	99 lbs.	104 lbs.	40"
18'	105 lbs.	110 lbs.	42"
19'	111 lbs.	116 lbs.	44"
20'	117 lbs.	122 lbs.	46"
Approx. 6 pounds / foot			

30" Width			
Length (feet)	Weight	Weight w/ LBAP	Rolled Diameter
3'	16 lbs.	23 lbs.	12"
4'	22 lbs.	29 lbs.	14"
5'	28 lbs.	35 lbs.	16"
6'	34 lbs.	41 lbs.	18"
7'	40 lbs.	47 lbs.	20"
8'	46 lbs.	53 lbs.	22"
9'	52 lbs.	59 lbs.	24"
10'	58 lbs.	65 lbs.	26"
11'	64 lbs.	71 lbs.	28"
12'	70 lbs.	77 lbs.	30"
13'	76 lbs.	83 lbs.	32"
14'	82 lbs.	89 lbs.	34"
15'	88 lbs.	95 lbs.	36"
16'	94 lbs.	101 lbs.	38"
17'	100 lbs.	107 lbs.	40"
18'	106 lbs.	113 lbs.	42"
19'	112 lbs.	119 lbs.	44"
20'	118 lbs.	125 lbs.	46"
Approx. 6 pounds / foot			

36" Width			
Length (feet)	Weight	Weight w/ LBAP	Rolled Diameter
3'	18 lbs.	25 lbs.	12"
4'	25 lbs.	32 lbs.	14"
5'	32 lbs.	39 lbs.	16"
6'	39 lbs.	46 lbs.	18"
7'	46 lbs.	53 lbs.	20"
8'	53 lbs.	60 lbs.	22"
9'	60 lbs.	67 lbs.	24"
10'	67 lbs.	74 lbs.	26"
11'	74 lbs.	81 lbs.	28"
12'	81 lbs.	88 lbs.	30"
13'	88 lbs.	95 lbs.	32"
14'	95 lbs.	102 lbs.	34"
15'	102 lbs.	109 lbs.	36"
16'	109 lbs.	116 lbs.	38"
17'	116 lbs.	123 lbs.	40"
18'	123 lbs.	130 lbs.	42"
19'	130 lbs.	137 lbs.	44"
20'	137 lbs.	144 lbs.	46"
Approx. 7 pounds / foot			

48" Width			
Length (feet)	Weight	Weight w/ LBAP	Rolled Diameter
3'	21 lbs.	31 lbs.	12"
4'	29 lbs.	39 lbs.	14"
5'	37 lbs.	47 lbs.	16"
6'	45 lbs.	55 lbs.	18"
7'	53 lbs.	63 lbs.	20"
8'	61 lbs.	74 lbs.	22"
9'	69 lbs.	79 lbs.	24"
10'	77 lbs.	87 lbs.	26"
11'	85 lbs.	95 lbs.	28"
12'	93 lbs.	103 lbs.	30"
13'	101 lbs.	111 lbs.	32"
14'	109 lbs.	119 lbs.	34"
15'	117 lbs.	127 lbs.	36"
16'	125 lbs.	135 lbs.	38"
17'	133 lbs.	143 lbs.	40"
18'	141 lbs.	151 lbs.	42"
19'	149 lbs.	159 lbs.	44"
20'	157 lbs.	167 lbs.	46"
Approx. 8 pounds / foot			



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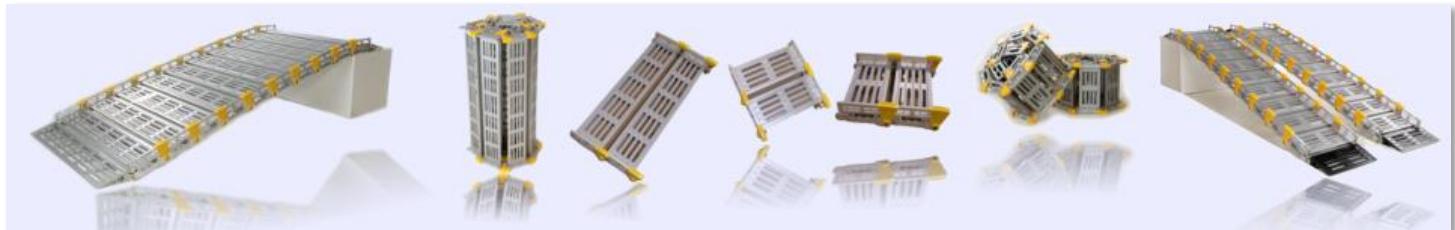
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## “Where Strength & Flexibility Meet”

*Providing access solutions to satisfied customers since 1999.*



RV AND BOAT SYSTEMS ALSO AVAILABLE



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