



MOBILE ALL-PURPOSE YARD RAMP OWNER'S MANUAL

Effective: 04/14/2025





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SAFETY WARNINGS



Please heed all safety warnings and use instructions prior to installing, servicing, or operating your Mobile All-Purpose Yard Ramp. Failure to follow the instructions contained here could result in damage to the ramp, to property, and could also result in injury or death.

- NEVER stand between the ramp and vehicles backing up to loading dock.
- ONLY trained workers are to use or perform maintenance on the ramp. Follow all processes and warnings in the service manual or posted on the ramp.
- NEVER exceed 3 mph when driving on the ramp.
- NEVER go on ramp unless lip is sitting flush on dock or truck bed, and safety chains are properly secured. Visually check that the lip is supported and has a minimum of 16" of overlap resting on the dock or truck bed.
- NEVER exceed the rated capacity of the ramp.
- DO NOT use the ramp if it appears to be damaged.
- DO NOT stop the forklift or attempt to change gears while travelling up or down ramp.
- WHEN LOADED ALWAYS travel the ramp with the forks towards the dock or higher end.
- DO NOT operate the ramp if use causes excessive physical strain or if physical impairments could lead to excessive stress in the back, muscles, limbs, or joints.
- DO NOT use the ramp if either of the safety chains are absent or if the safety chains are not secured.
- DO NOT use the ramp if vehicle wheels are not chocked.
- DO NOT use the ramp if support jacks under the truck trailer are not extended.

DO NOT INSTALL, USE OR PERFORM MAINTENANCE ON PRODUCT WITHOUT READING AND FULLY COMPREHENDING ALL SAFETY PROCESSES, WARNINGS, INSTALLATION AND USAGE INSTRUCTIONS CONTAINED IN THIS MANUAL.



**Read and follow all safety instructions.
Failure to do so may result in injury or even death.**

**Use Caution when operating.
Failure to do so could result in injury
or damage to product.**



- NEVER permit a carrier to drive away while the ramp is still touching truck, thus allowing the ramp to fall to the ground.
- ALWAYS store the ramp with the undercarriage in the lowest position.
- NEVER use the positioning sleeve for towing long distances.
- NEVER attempt to move a ramp sideways, ALWAYS position the ramp by rolling on its wheels.

<p>CALIFORNIA PROPOSITION 65 WARNING</p>	<p>This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.</p>
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PRECAUTIONS – REVIEW & MAKE NOTE

<p>Ramp Safety</p> <p>FORKLIFT SAFETY</p> <p>UNLOADED LOADED</p> <ul style="list-style-type: none"> • When unloaded always face the forks downhill! • When loaded always face the forks uphill! • NEVER turn on a ramp or drive across a slope • NEVER park on a ramp 	<p>Carry It LOW</p> <p>Drive It SLOW</p> <p>WEAR YOUR SEAT BELT!</p> <p>3mph</p>

OWNER’S OBLIGATIONS



- The owner needs to be aware of the risk in utilizing a transport vehicle on a ramp. The owner must then train and instruct operators in the safe usage of yard ramps.
- Nameplates, instructions, and posted warnings must always be visible and/or available to operating personnel.
- The manufacturer’s recommended upkeep and inspection procedures must be followed, as of the day of receipt of ramp, and written notes of such should be kept on file.
- When a transport vehicle is positioned as closely as possible to a ramp, there must be at least 6 inches of overlap between the front edge of the lip and the edge of the floor or sill of the transport vehicle. The ramp should be pushed up as snugly as feasible to the transport vehicle.
- Ramps that have structural damage or have been improperly used must be retired from service, inspected by the manufacturer’s authorized representative, and repaired as needed before being put back into service.
- Regular maintenance and adjustments are solely the obligation of the owner.
- Modifications to the ramp shall only be conducted with written consent from Mid-State Ramps or from their dealer on their behalf.
- The ramp should never be used outside its normal working ranges or outside the manufacturer’s rated capacity applicable to said ramp. It must also be compatible with the loading equipment and other requirements related to the application.
- Confirm with the makers of all equipment to be used on your ramp, to be sure that operating equipment at all set grades and conditions are within safe operation. Verify the application is fitting for the equipment to be used.
- Ensure that the user reads and comprehends the capacity rating, nameplate data, placards and all precautionary advice appearing on the dock leveling device.



ATTENTION: Not performing recommended upkeep on your Mobile All-Purpose Yard Ramp may result in warranty becoming null and void.



YARD RAMP FEATURES

MODULAR BUILD	
	<p>Versatile yard ramp design consolidates current yard ramp needs with future yard ramp requirements.</p>
UNDERCARRIAGE ASSEMBLY	
	<ul style="list-style-type: none"> • Tubular steel box undercarriage assembly • (2) 2-Gear Hand Crank Assemblies: <ul style="list-style-type: none"> ◦ One set with Sand Shoes for Stationary Applications ◦ One set with Casters for Mobile Applications • 10" x 3" Steel Wheels on the set of casters.
HINGED FRONT LIP	
	<ul style="list-style-type: none"> • Includes 16" x 30" wide Hinged Lip Transition Plates spanning 90"-wide ramp, providing 3"-5" up/down. • Transition Plates include Hand-Grip cutouts for safety.
ADJUSTABLE LEGS	
	<p>17" of travel to ensure truck is level with ramp before loading or unloading. Both high-speed and low-speed gears come standard.</p>
BUMPERS	
	<p>4"x10" loading dock bumpers absorb impacts with the back of the truck.</p>

YARD RAMP FEATURES . . . continued

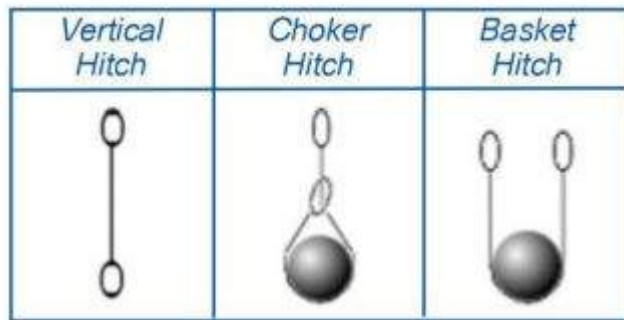
TOW BOOT	
	<p>Tow Boot & Fork Pockets included to assist operators in easy offload & load, as well as in moving yard ramp over short distances.</p>
HAND CRANK	
	<p>Hand Crank to adjust legs up and down as needed.</p>
GRATING	
	<ul style="list-style-type: none"> • Serrated for Traction • Self-Cleaning Serrated grating provides excellent traction and the open design prevents buildup of water, snow, oil, grease and miscellaneous debris. The lower end approach plate provides maximum support and smooth transition onto the ramp grating surface.
SAFETY CHAINS	
	<ul style="list-style-type: none"> • Standard safety chains hold yard ramps securely to the trailer or dock. • Side Rail Hooks included.

OFFLOADING RAMP FROM FLATBED TRUCK

(Using the Basket Method)

Use a crane or forklift of sufficient capacity to offload the assembly from the truck.

If an overhead crane of sufficient capacity is not available, use a forklift with a minimum **lifting capacity of 10,000 lbs** to remove ramp from flatbed truck. A forklift sling at least 48 inches long is recommended. The sling may be of the “2 eye” or “endless” design. A minimum **capacity rating of 10,000 pounds for the basket method** of lifting is recommended.



<p>NOTE</p>	<p>If mast height of the forklift will not allow sling usage, position forks under the upper side of the ramp and above the grating. Do not attempt to lift the yard ramp from the lower side of the unit.</p>
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OFFLOADING RAMP FROM FLATBED TRUCK

(Using One Forklift with lifting capacity of 10,000 lbs or greater)

Gather a shackle rated at minimum 10,000 lb working capacity and two, 2-eye, nylon lifting slings of at least 10,000 lb capacity and 192 inches (16 ft) in length. The shackle will be used to join one eye of each sling, and the other ends will be fastened to a suitable crane or forklift. Use the basket method with this lengthy sling around the middle of the ramp to find the balance point of this specific Mobile All-Purpose Yard Ramp assembly. Once the balance point has been located and the assembly is steadily lifted with no tilt, raise the ramp 4-8 inches above the truck bed. Have the truck driver slowly pull the trailer away from underneath the ramp. Once the trailer is completely removed, gently lower the assembly to the ground, remove the sling from ramp, and use a ramp clamp or tow bar to move the assembly.

OFFLOADING RAMP FROM FLATBED TRUCK

(Using Two Forklifts with lifting capacities of 5,000 lbs or greater each)

- Position forklift #1 at back end of flatbed.
- Connect the Ramp Clamp or Tow Boot (mobility tool) into place in the bottom apron notch.
- Slip fork tine through clamp; tighten down on tine.
- Secure forklift’s grab chains from ramp to fork mast.
- Lift bottom apron of ramp 4-6 inches and SLOWLY back ramp to rear of flatbed.
- Once the ramp clears back end of flatbed enough, set bottom of ramp down on ground.
- Reposition forklift #1 to side of ramp at top apron.
- Position fork tines so they are only in contact with the bottom of the structural curbs of the ramp.
- Position forklift #2 opposite forklift #1 and repeat fork tine positioning.
- Slowly lift ramp, in tandem, until casters are clearly raised 4-8 inches above flatbed deck.
- Allow flatbed to slowly pull out from under ramp and vacate area.
- Slowly, in tandem, lower ramp to ground.
- Disengage forklifts.



INSTRUCTIONS FOR GROUND-TO-DOCK APPLICATION:

BALANCE AND SLOPE

Please note that the slope of the ground on which the ramp is placed can affect the standard service range of your ramp. The standard noted service range assumes the ground surface is perpendicular 90 degrees to the dock face or where truck is situated.

A typical dock height is 48-inches. However, this is not always true. The typical ground surface is flat and perpendicular to the dock face. However, this is not always true. It is important to assure the slope is considered when placing your ramp for ground-to-dock application. A slope that graduates downhill away from the dock may create too steep of an incline. A slope that graduates uphill from the base of the dock may create too flat of an incline, thus creating a “hump” at the transition between the ramp and dock. This hump can be difficult for a forklift to traverse. Use this method for determining your slope. Contact manufacturer if the variance between your dock height from ground to dock ledge is greater than 10 inches.

SLOPE: Dock Ledge to Planned Ramp Length	
	Measure Height from Ground to Light/String
<p>Using Laser Light . . .</p> <ol style="list-style-type: none"> 1. Place laser light on ledge of dock. 2. Walk out same # feet as planned ramp length. 3. Face laser to catch beam of light on body. 4. Measure from the ground up to the point of light on paper. 	Inches:
<p>Using String . . .</p> <ol style="list-style-type: none"> 1. Pin or tape string to ledge of dock. 2. Walk out same # feet as planned ramp length. 3. Pull string tight & level with dock height. 4. Hold/press string against your body. 5. Measure from the ground up to where string touches body. 	



SECURING TO DOCK

For safety, always secure the ramp to the dock using the safety chains located on the front of the ramp. Safety chains should be looped through anchored mounting brackets or around dock bollards. The chains should be as tight and as horizontal as possible.



Tires/Casters MUST be 4-6 inches off the ground while in use. NO weight can be brought to bear upon the tires/casters. They are for maneuvering the ramp only. Load weight will damage the tire/casters and their axles.



SECURING TO TRUCK, RAILCAR or CONTAINER

For safety, always secure the ramp to the truck, railcar or container using the safety chains located on the front of the ramp. Safety chains should be looped around the Mansfield Bar of a truck trailer or a sturdy part of the platform or container on which the ramp is set upon. The chains should be as tight and as horizontal as possible. If securing to truck, allow enough slack for changes in vehicle height caused by rising and lowering truck bed as product is loaded or unloaded.

Tires/Casters MUST be 4-6 inches off the ground while in use. NO weight can be brought to bear upon the tires/casters. They are for maneuvering the ramp only. Load weight will damage the tire/casters and their axles.



STAGING FOR USE

Assure that the truck is held in place by using wheel chocks before putting ramp into position. With the ramp’s adjustable legs retracted at least 6 inches from the ground and the hinged flip plates upright, guide the ramp so that the front edge of the ramp is the same height as the end of the trailer, container, or face of loading dock.

Slowly push the ramp forward until the bumpers touch the trailer, container or loading dock. Extend the adjustable legs until the sand pads touch the ground.

With the sand pads having made contact with the ground, keep extending leg assembly until the tires/casters on the 2nd leg assembly have risen 4-6 inches off the ground and the lip of the ramp is reasonably level with the truck, container or railcar bed or platform or dock.

Upon the ramp lip reaching the desired height, secure as noted above and lower the hinged flip plates into place being sure that they reach at least 6 inches into the truck, container, railcar or dock.

Ramps staged for a particular service height can be left in place for anticipated use by backing a truck up to the ramp.

When backing a truck up to the ramp, be sure that the hinged flip plates are totally upright and the front edge of the level off area of the ramp is at the same height as the truck’s trailer. The truck should be backed up to the ramp as slowly and steadily as possible. This should always be a 2-person maneuver to ensure the driver does not accidentally bump into the ramp abruptly to protect all equipment.

The ramp’s bumpers must be contacting the back of the truck’s trailer. The truck must be close enough to ensure the hinged lip plates reach at least 6 inches into the truck. Upon completion, the truck should be secured in place and the ramp adjusted until the level off area of the ramp matches the height of the trailer.

Finally, lower the hinged flip plates into their transition position. Be sure the hinge flip plates extend at least 6 inches into the truck at all spots.



WHILE IN USE

Confirm that all hardware (nuts, bolts, etc.) is tight before using the Mobile All-Purpose Yard Ramp. Vehicles traveling the ramp should always go at a slow, stable speed (no more than 3 MPH), preferably in low gear. They should not stop or change gears while on the ramp, as this could result in excessive wear and tear to the forklift’s tires. Forklifts should travel the ramp with their forks tilted back and lifted high enough that they will not contact the deck of the ramp.

WHILE NOT IN USE

When not using ramp:

- Unhook safety chains from container, truck, or dock and secure them to deck of ramp.
- Raise hinged flip plates to the upright position.
- Trucks may be driven away from the ramp once hinged flip plates are raised.
- Be sure to fully retract the adjustable legs.
- Move the ramp away from container, dock, or truck.
- Move the ramp to where it will be stored while not in use.
- Expand adjustable legs until undercarriage support wheels no longer touch the ground.

TRANSPORTING

Lower adjustable legs to their lowest possible height.

Once the adjustable legs have been lifted, install the tow boot by inserting the T-handle into the slot of the bottom apron and rotating it 90 degrees. Insert forklift tine(s). Towing speed will be governed by prevailing conditions but should not be such as to cause severe jostling. Towing speeds should not exceed 3 mph. The tow boot is intended for short towing distances and precise positioning of yard ramp units. Tow bars are intended for longer distances within the property. DO NOT attempt over-the-road towing.





UPKEEP

The Mid-State All-Purpose Yard Ramp will provide many years of competent operation if properly upkept. Preventive maintenance should be carried out every six months or as required for normal usage. For proper operation and function of ramp used for multiple shifts (more than typical usage), maintenance should be performed every 30 days.

- **Tires:** Steel Wheels, 10 in x 3 in. (Standard Equipment) These tires are virtually maintenance free.
- **Bolts:** Joining bolts should be inspected at least once per month, more if frequently transported.
- **Structure:** Welds should be inspected every 3 months for multiple shift usage and every 6 months for single shift usage for evidence of damage, including (but not limited to) cracks/failures in materials or welds.
- **Paint:** Steel work may be repainted as desired. This is only for cosmetic value, as paint will not affect the operation or lifespan of the ramp.
- **Removing Wheels:** Crank ramp up to its maximum height. Extend legs completely, until they bring the ramp wheels up off the ground. Remove cotter pin and washer from axle. Remove bolt axle to remove wheel. Note the relative positions of the spacers and washers so they can be replaced in the same positions.

MID-STATE RAMPS RETURN POLICY

Mid-State Ramps does not offer any returns or refunds of ramps. If there are any issues with your ramp, we will work with you to resolve the issue, as noted in the warranty information above.



MID-STATE RAMPS WARRANTY

Mid-State Ramps warrants their products to be free from manufacturing defects for one (1) year from the date of original purchase. Warranty validity requires the ramp to be used and maintained in compliance with Mid-State’s instructions.

Mid-State Ramps shall not be held responsible for any repairs made by anyone that is not Mid-State Ramps or a Mid-State Ramps authorized technician.

Defective parts due to normal use and within the Warranty time limit will be determined at the sole discretion of Mid-State Ramps. Mid-State Ramps may require the owner to send photographs for the initial review of the warranty claim.

Mid-State Ramps shall not be held responsible for any damage caused by misuse, or any other cause beyond the control of Mid-State Ramps. This warranty is only valid to the original purchaser.

Mid-State Ramps shall not be held liable for any damages or injuries caused through the proper or improper use of the ramp. Liability is expressly limited to repair or replacement of any part or parts deemed defective within the time described herein.

This warranty supersedes all other warranties expressed or implied.

Warranty is limited to the value of components only.

Mid-State Ramps will not be held liable for loss of the use of any equipment or for any other incidental or consequential damages.

This warranty will not apply to any product which has been altered, modified, damaged or which has deteriorated due to abuse, neglect, misuse or by accident.



For Technical Assistance

Mid-State Ramps
6542 NC HWY 47
Denton, NC 27239
(336) 857-2888



For Sales or Rental Assistance

The Yard Ramp Guy®
(888) 977-4224
www.YardRampGuy.com