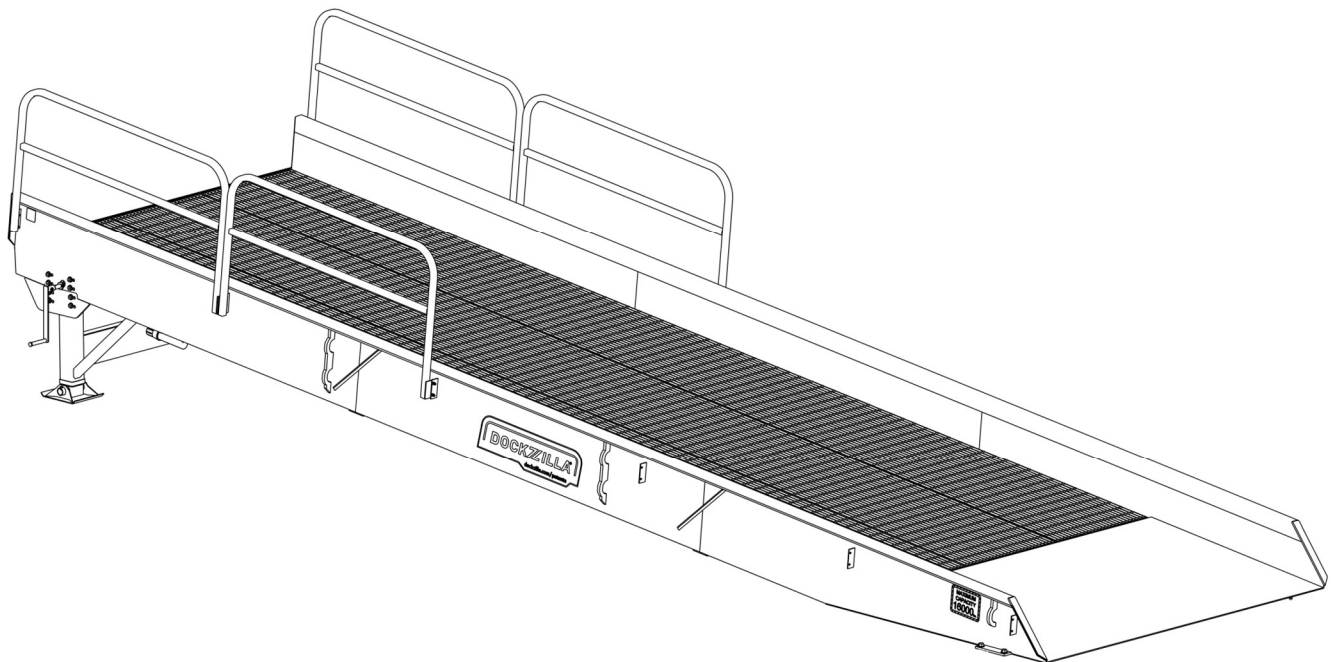




# DOCK TO GROUND RAMP OWNER'S MANUAL



This manual applies to Dock to Ground Ramps manufactured beginning May 2021 with the serial numbers 21-8385001 and higher.

**⚠ WARNING**

***Do not install, operate or service this product unless you have read and understand the Safety Practices, Warnings, Installation and Operating Instructions contained in this User's Manual. Failure to do so could result in death or serious injury.***

**NOTES**

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# INTRODUCTION

The Dock to Ground Ramp is designed to provide safe access between the ground and an elevated loading dock. The Dock to Ground Ramp has manually adjustable legs allowing it to be adapted to the height of the existing dock.

## WARRANTY

See Back of Owner's Manual

## IMPORTANT

Read and understand the contents of this manual prior to installation or operation of this equipment.

## CAPACITY

Model	Length	Width	Capacity	Ramp Weight
DTG309616A	30 ft.	96 in.	16,000 lbs. (7,250 kg)	6,500 lbs. (2948 kg)
DTG309622A	30 ft.	96 in.	22,000 lbs. (10,000 kg)	7,200 lbs. (3266 kg)
DTG309632A	30 ft.	96 in.	32,000 lbs. (14,500 kg)	9,300 lbs. (4218 kg)
DTG3011416A	30 ft.	114 in.	16,000 lbs. (7,250 kg)	7,400 lbs. (3360 kg)
DTG3011422A	30 ft.	114 in.	22,000 lbs. (10,000 kg)	8,300 lbs. (3765 kg)
DTG3011432A	30 ft.	114 in.	32,000 lbs. (14,500 kg)	10,600 lbs. (4808 kg)
DTG3013816A	30 ft.	138 in.	16,000 lbs. (7,250 kg)	9,700 lbs. (4400 kg)
DTG3013822A	30 ft.	138 in.	22,000 lbs. (10,000 kg)	10,200lbs. (4672 kg)
DTG3013832A	30 ft.	138 in.	32,000 lbs. (14,500 kg)	11,900lbs. (5398 kg)
DTG409616A	40 ft.	96 in.	16,000 lbs. (7,250 kg)	8,700lbs. (3950 kg)
DTG409622A	40 ft.	96 in.	22,000 lbs. (10,000 kg)	9,200lbs. (4176 kg)
DTG409632A	40 ft.	96 in.	32,000 lbs. (14,500 kg)	12,300lbs. (5579 kg)
DTG4011416A	40 ft.	114 in.	16,000 lbs. (7,250 kg)	10,100lbs. (4583kg)
DTG4011422A	40 ft.	114 in.	22,000 lbs. (10,000 kg)	11,000lbs. (4991kg)
DTG4011432A	40 ft.	114 in.	32,000 lbs. (14,500 kg)	14,100lbs. (6397kg)
DTG4013816A	40 ft.	138 in.	16,000 lbs. (7,250 kg)	13,000lbs. (5898kg)
DTG4013822A	40 ft.	138 in.	22,000 lbs. (10,000 kg)	13,500lbs. (6125kg)
DTG4013832A	40 ft.	138 in.	32,000 lbs. (14,500 kg)	17,400lbs. (7895kg)

**⚠ WARNING**  
**NEVER exceed**  
**rated capacity**

## OWNER RESPONSIBILITY

1. The owner should recognize the inherent danger of the interface between dock and transport vehicle. The owner should, therefore, train and instruct operators in the safe use of dock equipment in accordance with the information provided below. The manufacturer shall provide to the initial purchaser, and make the following information readily available to the owner:
  - Installation instructions
  - Recommended initial and periodic inspections procedures.
  - Maintenance procedures
  - Operating instructions
  - Descriptions or specifications for replaceable or repairable parts
2. It shall be the responsibility of the owner to verify that the material listed in this section has been received and that it is made available for the instruction and training of personnel entrusted with the use or maintenance of the dock equipment.
3. When a transport vehicle is parked at a loading dock, it is important that the vehicle is relatively perpendicular to the dock face and in close contact with at least one of the dock bumpers
4. Nameplates, cautions, instructions, and posted warnings shall not be obscured from the view of operating or maintenance personnel for whom such warnings are intended.
5. Manufacturer's recommended periodic maintenance and inspection procedures in effect at date of shipment shall be followed, and written records of the performance of these procedures should be kept.
6. Dock equipment that is structurally damaged shall be removed from service, inspected by a manufacturer's authorized representative, and repaired as needed before being placed back in service.
7. The manufacturer shall make available replacement nameplates, caution/instruction labels, and operating/maintenance manuals upon request of the owner. The owner shall see that all nameplates, caution/instruction markings or labels are in place and legible, and that the appropriate operating/maintenance manuals are provided to users.
8. Modifications or alterations of dock equipment shall be made only with written permission of the original manufacturer. These changes shall also satisfy all safety recommendations of the original equipment manufacturer for the particular application of the dock equipment.
9. When industrial trucks are driven on and off access ramps ensure proper direction of travel and speed are maintained per OSHA forklift training.

## SAFETY WARNING DEFINITIONS

### **DANGER**

***DANGER statements indicate an imminently hazardous situation. Failure to follow the listed instructions will result in serious injury or death!***

### **CAUTION**

***CAUTION statements indicate a potentially hazardous situation. Failure to follow the listed instructions may result in minor to moderate injury or property damage!***

### **WARNING**

***WARNING statements indicate a potentially hazardous situation. Failure to follow the listed instructions may result in serious injury or death!***

### **NOTICE**

***NOTICE statements are used to indicate procedures that must be followed to avoid equipment or property damage.***

# PRODUCT SAFETY WARNINGS

**⚠ DANGER**

**ALWAYS** ensure ramp is clear of personnel when operating vehicles on the ramp.

**⚠ CAUTION**

Follow the maintenance schedule to ensure that there are no broken parts that might cause injury to workers or damage to the equipment.

**⚠ WARNING**

**NEVER** perform maintenance without barricading the work area to warn that work is being done.

**NEVER** exceed the rated load capacity.

If a malfunction occurs contact Dockzilla Co. or local representative and discontinue use of dock to ground ramp until the issue has been resolved.

# FEATURES

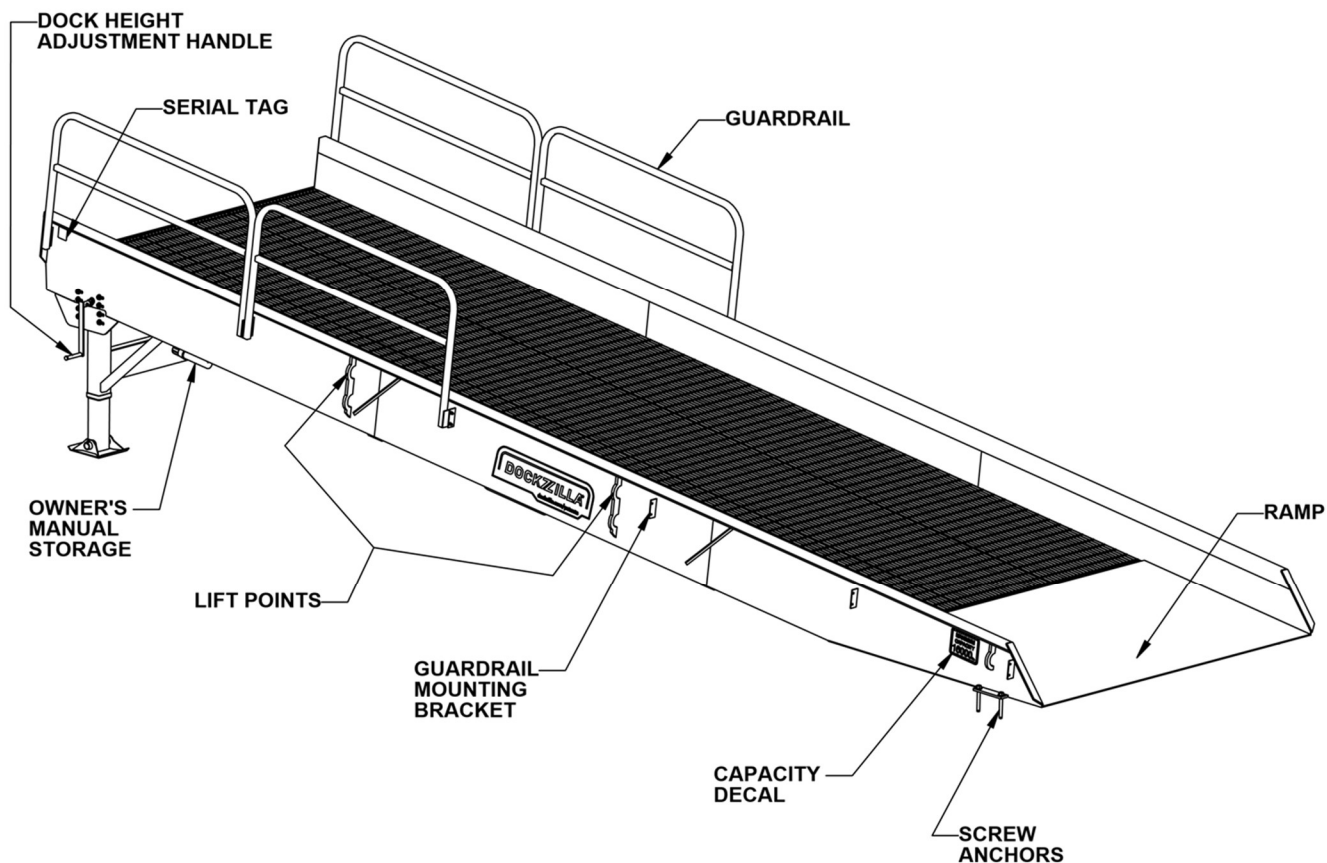


Figure 1: Dock to Ground Ramp Features

# INSTALLATION

## TOOLS REQUIRED

- Crane, Telescopic Handler, or two forklifts
- Rotary Hammer and 3/4" concrete bit (minimum 8" long)
- 3/16" hex key
- 9/16" wrenches or wrench and socket
- 1-1/8" wrenches or wrench and socket
- Welder (recommended)

## OFFLOADING PROCEDURE

Note: Read complete installation instructions before offloading the ramp.

1. If possible, drive and park truck/trailer near the final location of the ramp.
2. Inspect all equipment for any freight damage and verify all components have arrived.
3. Remove all chains and straps that are securing the loading dock to the trailer.
4. Remove pallets and any other items off of the loading dock.
5. Lift the Adjustable Loading Dock from the trailer using one of the following methods:



***NEVER exceed the rated capacity of lifting equipment.***

***NEVER lift loading dock with any objects sitting on the ramp or platform.***

Model	Length	Width	Ramp Weight	Capacity
DTG309616A	30 ft.	96 in.	6,500 lbs. (2948 kg)	16,000 lbs. (7,250 kg)
DTG309622A	30 ft.	96 in.	7,200 lbs. (3266 kg)	22,000 lbs. (10,000 kg)
DTG309632A	30 ft.	96 in.	9,300 lbs. (4218 kg)	32,000 lbs. (14,500 kg)
DTG3011416A	30 ft.	114 in.	7,400 lbs. (3360 kg)	16,000 lbs. (7,250 kg)
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- a. **CRANE / TELEHANDLER WITH LIFTING HOOK (PREFERRED):** Attach 6ft straps with clevis (preferred) or chains to the four lift points located on the sides of the ramp (Figure 2a). Slowly lift the ramp from the trailer, move it to the desired location, and carefully place it on the ground.

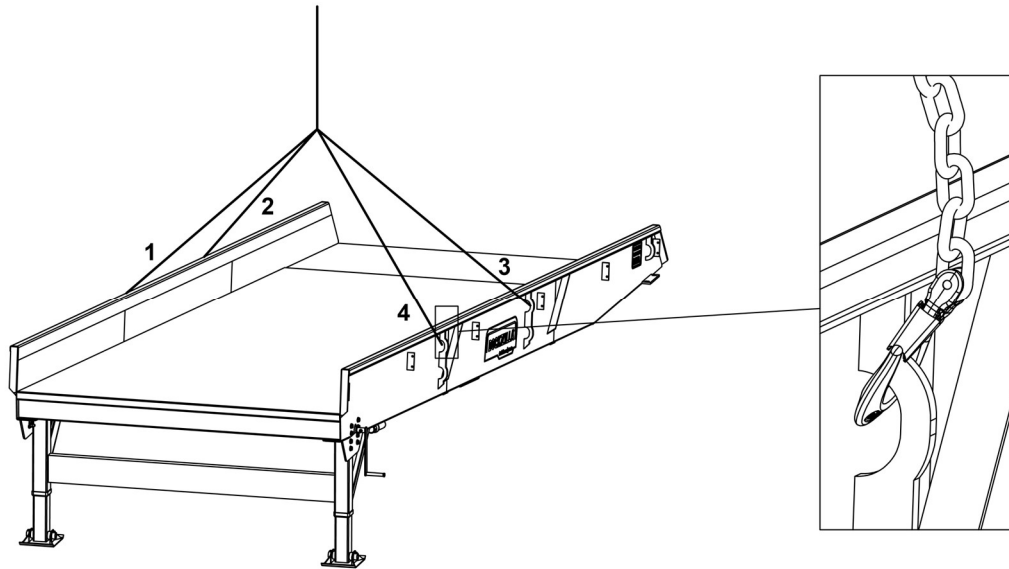


Figure 2a: Offloading with a Crane

- b. **TELEHANDLER:** Fully insert forks on either side of “FORKS HERE” tab so that the full width of the ramp is fully supported. The forks must be long enough to reach both sides of the ramp. **12’ forks are required for 138” wide ramps, 10’ forks are required for 114” wide ramps, and 9’ forks are required for 96” wide ramps.** Slowly lift the ramp and verify that the load is stable. Carefully move the ramp to the desired location and place it on the ground.

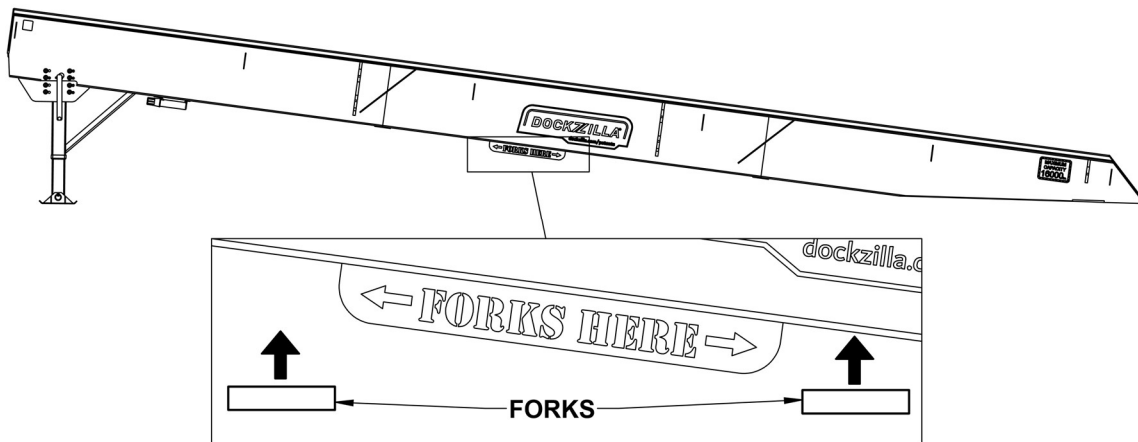


Figure 2b: Offloading with a Telehandler



**Forks MUST be long enough to support both sides of the ramp. Properly rated fork extensions are acceptable.**



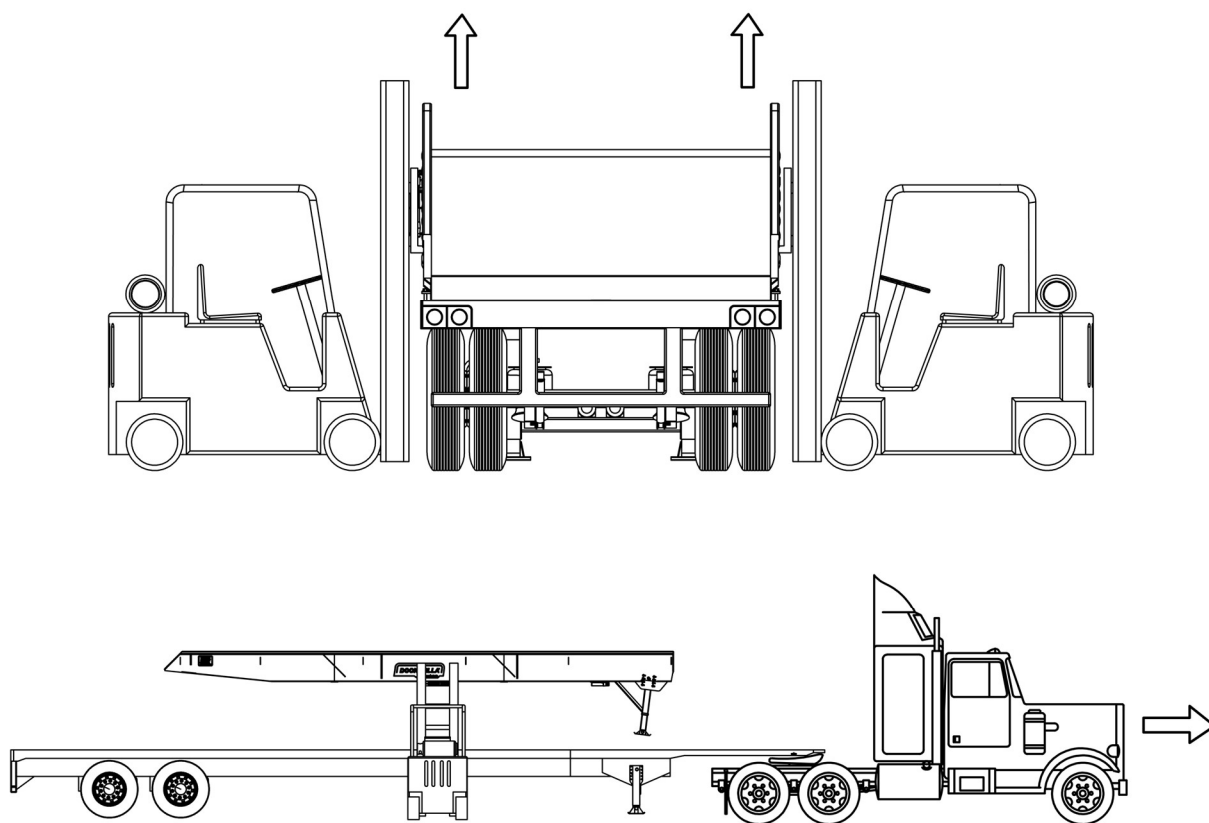
- c. **TWO FORKLIFTS:** Position a forklift on either side of the ramp. Fully insert forks on either side of the “FORKS HERE” tab so that the full width of the ramp is fully supported. Simultaneously lift the ramp just high enough so there is no contact with the trailer and verify the stability of the load. Once the ramp is no longer in contact with the trailer, drive the trailer forward until there is enough space to lower the ramp to the ground. To move the loading dock into its final position after it has been removed from the trailer, lift the dock from the front and rear of the ramp. To do this, one forklift must lift underneath the front cross beam, and the other forklift must lift the rear using the lifting loops and a chain (see Figure 3). **DO NOT** lift the rear of the loading dock beneath the base ramp, this will cause damage to the ramp.



**WARNING**

***DO NOT attempt to move forklifts in any direction while unloading the ramp from the trailer with two forklifts. Only raise and lower forks while handling the ramp in this manner.***

***There MUST be clear communication between the forklift operators and the transport vehicle driver at all times.***



**Figure 2c: Offloading with 2 Forklifts**

## MOVING THE RAMP

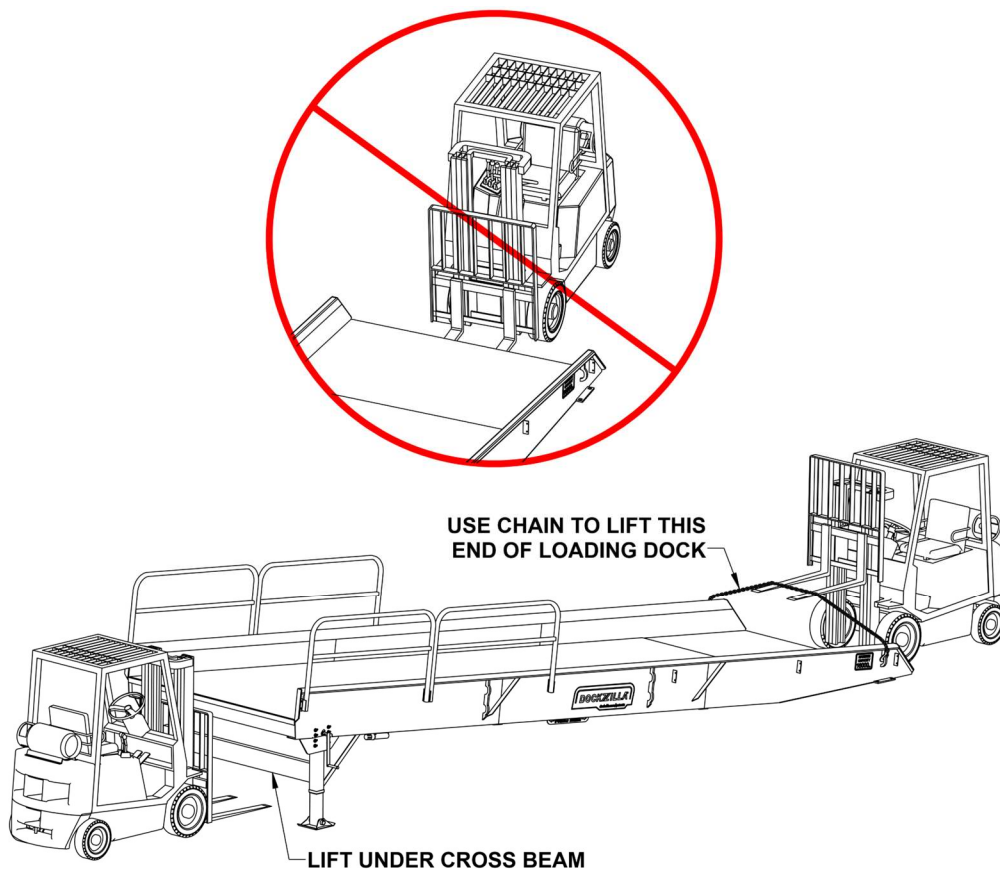
1. Position a forklift at the front and rear ends of the ramp as shown in Figure 3.
2. Place forks underneath the cross beam between the adjustable legs to lift the front of the ramp.
3. Use a chain hooked to the lifting loops on either side of the ramp to lift the rear end of the ramp.
  - a. Chain should be approximately 2' longer than the width of the ramp.
  - b. NEVER lift from underneath the edge of the ramp
4. Simultaneously lift the ramp and slowly move it to the desired location.



**DO NOT lift ramp from beneath the base ramp. A chain must be used to move the loading dock.**

**There MUST be clear communication between the forklift operators at all times.**

**Ensure the area is clear of personnel before moving the loading dock.**



**Figure 3: Moving the Ramp**

## INSTALLATION PROCEDURE

1. Place ramp tight to dock face and centered on desired dock door. Remove any bumpers, EODs, etc. before installing the dock to ground ramp.
  - Note:** If installing on a dock that has a leveler *and* you are planning on using the leveler, **DO NOT** remove the bumpers. The gap created by the bumpers will allow you to continue to raise and lower the leveler lip.
2. Install dock height adjustment handle on one of the adjustable legs (see Figure 5). Use the provided bolt to pin the handle to the shaft before using the handle.
3. Turn the handle to adjust the height of the ramp until the edge of the ramp is flush with the dock surface.
  - a. **Note:** If the installation is on a dock with a transition plate, install transition plate prior to installing the ramp. The transition plate will change your effective dock height.
4. Repeat steps 2&3 on the other leg. If there is a large initial difference from ramp to dock, each leg may need to be adjusted more than once to achieve proper alignment.
5. Once leg height is set, tighten the 3/16" screw on the adjustment handle collar to lock the handle in place.

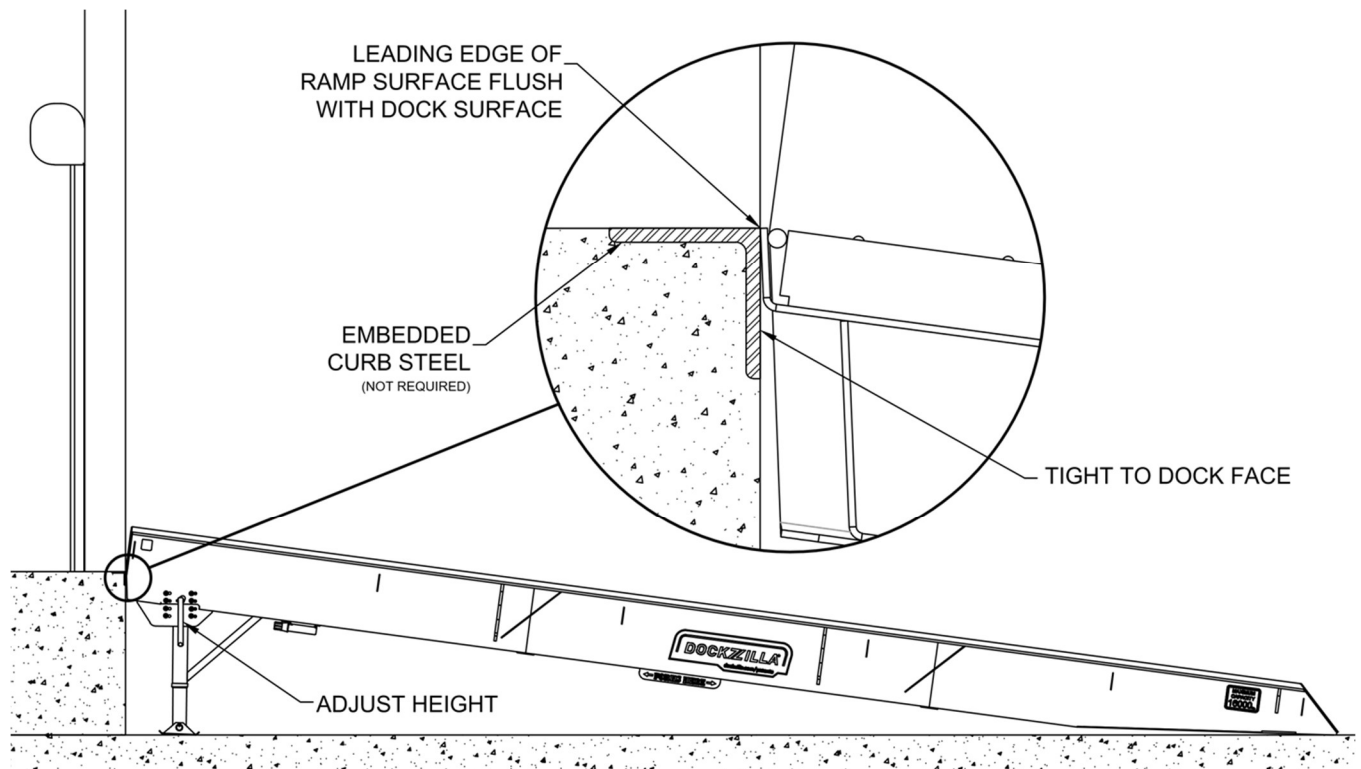
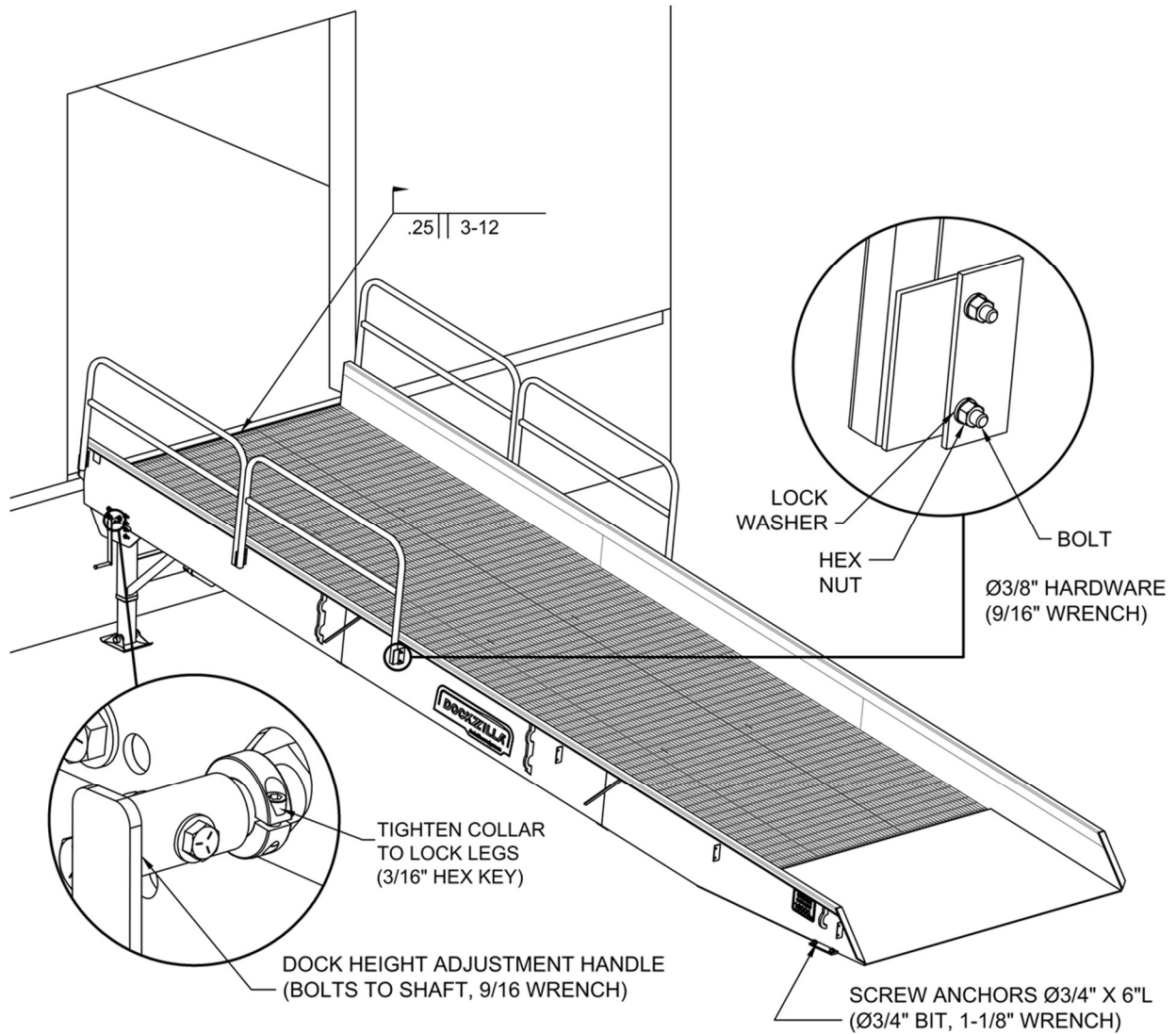


Figure 4: Placing and Adjusting Ramp

- Weld the ramp to curb steel or transition plate as shown in Figure 5. Clean all weld joints and touch up any damaged paint.

**Note:** If installing on a dock that has a leveler *and* you are planning on using the leveler, **DO NOT** weld the ramp.



**Figure 5: Installing the Ramp**

- Use the provided  $\text{Ø}0.75$ " x 6.00"L screw anchors to secure the base of the ramp to the ground.
 

**Note:** If you did not weld the ramp to the dock, torch a  $\text{Ø}0.875$ " hole in each footpad and anchor to the ground using  $\text{Ø}0.75$ " x 6.00"L screw anchors (additional anchors not provided by Dockzilla Co.)
- Install all handrails using the provided  $3/8$ " hardware.
 

**Note:** Adjacent guardrails share a mounting bracket and hardware.
- Verify that locking collar on adjustment handle is tightened to lock leg height.

# MAINTENANCE

**⚠ WARNING**

*Post safety warnings and barricade work area, at dock level and at ground level, to prevent unauthorized use of the dock position.*

**NOTICE**

*Maintenance may be required more frequently at loading docks exposed to harsh environments (extreme climates, corrosive chemicals, frequency of usage exceeding 8 vehicles per day, etc.). Consult Dockzilla Co. if these conditions exist for accelerated maintenance requirements.*

*DO NOT USE SALT. If necessary, use a non-corrosive ice melt product for use on steel. As a pre-treatment a chloride free, non-corrosive de icer should be applied to tire surface of ramp.*

*Damage caused by corrosion is not covered under product warranty.*

## DAILY

1. Remove any debris on or around the ramp.

## QUARTERLY

1. Clean thoroughly to prevent corrosion
2. Inspect ramp for structural damage, cracked welds, bent structural members, etc. If any issue is discovered, discontinue use of ramp until the issue is repaired.
3. Check for any loose fasteners. Retighten as needed. Replace any broken or damaged fasteners with a SAE Grade 5 or higher of the same diameter.
4. Verify bar grating is structurally sound and maintains acceptable traction for the forklifts or vehicles using it. If grating is damaged or worn, consult factory for pricing and instructions to easily replace grating using existing weld clips.

# TROUBLESHOOTING AND ADJUSTMENT

Symptom	Probable Causes	Remedy
Ramp surface uneven or not providing enough traction	Grating worn out	Consult factory for details and pricing. Take photo of serial tag prior to call.
Dock Height Adjustment handle does not turn	Shaft collar too tight	Loosen shaft collar screw
Ramp upper edge is not flush with building floor.	If ramp is installed on asphalt, adjust legs to compensate for any settling.	Steel plates under leg feet or concrete may be required. Consult factory.

# REPLACEMENT PARTS

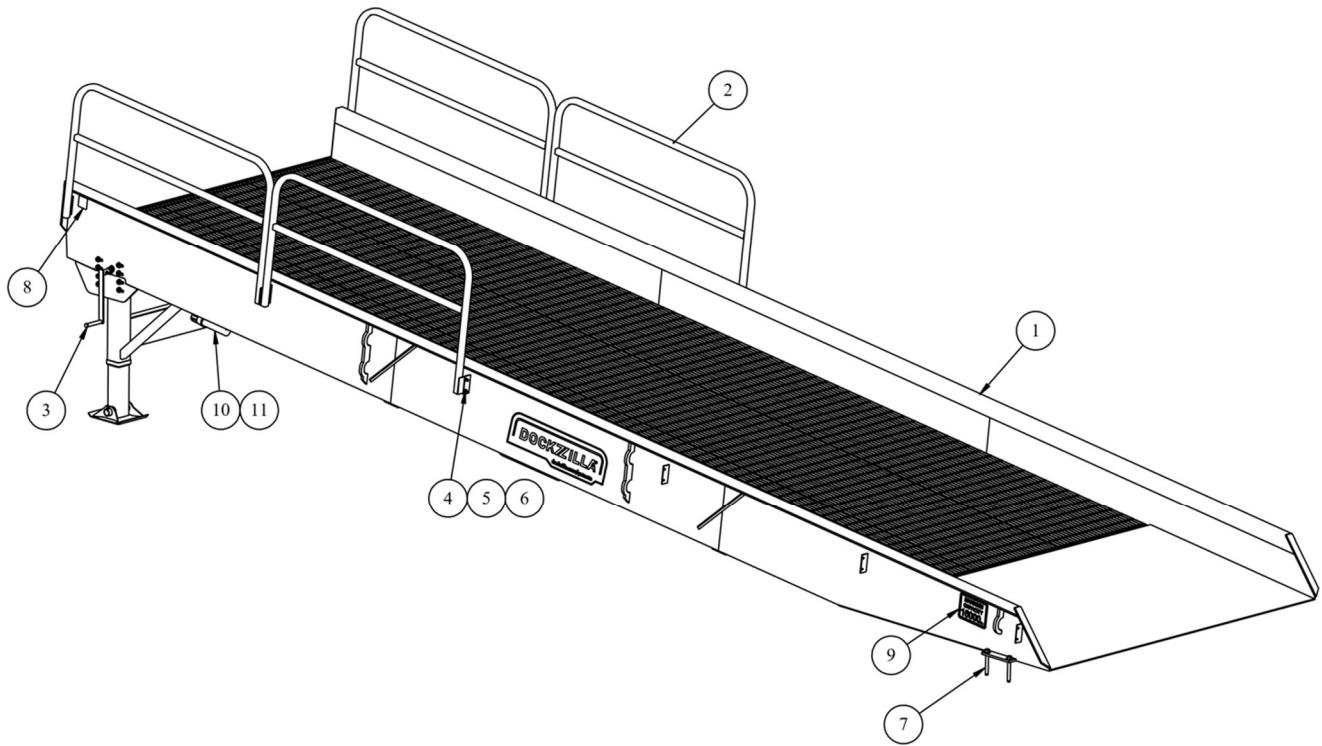


Figure 6: Replacement Parts

ITEM	PART NUMBER	DESCRIPTION	QUANTITY			
			STANDARD GUARDRAILS		FULL-LENGTH GUARDRAILS	
			30' RAMP	40' RAMP	30' RAMP	40' RAMP
1	See Serial Tag	Dock to Ground Ramp	1	1	1	1
2	HRR38T72L14SC	Ramp Handrail, 72" Length	4	6	8	10
3	DZ1051	Leg Adjustment Crank Handle	1	1	1	1
4		Bolt, 0.38 – 16 X 1.25" Length, Hex Head	12	18	24	30
5		Nut, 0.38 – 16 UNC, Hex	12	18	24	30
6		Washer, 0.38" ID, Split Lock	12	18	24	30
7	THDT75600H	Anchor, 0.75" dia. X 6.00" Length, Hex Head	4	4	4	4
8	LE 1234	Serial Tag	2	2	2	2
9	LE 5499-XX	Capacity Decal [XX=Cap in 1000lbs]	2	2	2	2
10	CAN-22	Owner's Manual Storage Cannister	1	1	1	1
11		Self-Drilling Screw 0.25"-14 X 1.00" Length	2	2	2	2

**NOTES**

## STANDARD WARRANTY

Dockzilla Co. warrants that its products will be free from defects in design, materials, and workmanship for a period of 365 days from the date of shipment. All claims for breach of this warranty must be made within 30 days after defect is or can, with reasonable care, be detected and in no event no more than 30 days after the warranty has expired. In order to be entitled to the benefits of this warranty, the products must have been properly installed, maintained, and operated within their rated capacities and/or specified design parameters, and not otherwise abused. Periodic lubrication and adjustment is the sole responsibility of the owner. This warranty is Dockzilla Co. exclusive warranty. DOCKZILLA CO. EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MECHANABILITY AND FITNESS. Non-standard warranties, if any, must be specified to Dockzilla Co. in writing.

### LIMITATION OF LIABILITY

**DOCKZILLA CO. SHALL NOT IN ANY EVENT BE LIABLE FOR ANY LOSS OF USE OF ANY EQUIPMENT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, WHETHER FOR BREACH OF WARRANTY, NEGLIGENCE, OR STRICT LIABILITY.**



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