



Industry challenges, proven solutions

A full line of protection. Smooth transition loading dock levelers for every application.

RITEHITE[®]
ALWAYS LOOKING AHEAD

You can't see it but it's there.

The jarring impact of **Whole Body Vibration** opens the door to chronic injury and lost productivity.



Traditional leveler contributing to Dock Shock



When the vibration is caused by a lift truck crossing over bumps and gaps that exist on traditional dock levelers it's known as **Dock Shock**.

Forklift operators cross the threshold from facility floor to trailer bed more than 100,000 times each year. This increases the risk for:

Worker injury

- » WBV in a seated position increases the prevalence of reported low back pain.¹
- » Lower back pain is the largest cause of job related disability, at nearly 20 percent of all workplace injuries and illnesses.²
- » Approximately 20 percent of acute low back pain sufferers develop chronic low back pain at one year.³
- » First-time back injuries can cost a company up to \$10,000, with chronic injuries reaching \$300,000.⁴
- » An aging workforce represents serious bottom-line expense and profitability challenges
 - One-third of the U.S. workforce is 50 or older.⁵
 - Disability rates are upwards of 20 percent for workers aged 45 to 54 and approximately 42 percent for workers 65+.⁵

Decreased productivity

- » As medical conditions develop and worsen from exposure to WBV, absenteeism increases and productivity suffers.
- » \$2.8 billion is lost to absenteeism each year in the manufacturing and production world alone.⁶

Product and equipment damage

Products and equipment traveling across the material transfer zone are vulnerable to the effects of dock shock

¹ osha.gov, "Ergonomics E-Tool: Solutions for Electrical Contractors"

² ninds.nih.gov, "Low Back Pain Fact Sheet" 2014

³ ninds.nih.gov, "Low Back Pain Fact Sheet" 2015

⁴ osu.edu, "Landmark study uncovers reasons behind recurring back injury" 2001

⁵ dol.gov, "Employer Strategies for Responding to an Aging Workforce" 2012

⁶ forbes.com, "The Causes and Costs of Absenteeism In The Workplace" 2014

Protect your people with an educated long-term investment.



Our extensive engineering process has made innovations like the **Smooth Transition** dock leveler possible.

These innovative measures provide a smooth path between the facility floor and trailer bed, reducing dock shock by up to 50 percent when compared with ordinary competitor levelers.

A Rite-Hite® Smooth Transition Dock Leveler can help reduce employee injuries, product spills and damage, and maintenance costs – all of which lead to an increase in productivity.



Constant radius rear hinge



Two-point crown control



Optimized lip chamfer

RHV part of the Smooth Transition Dock System®

The loading dock, an accident waiting to happen.



Vacant drop-off

A false sense of security.

The average drop from a loading dock floor into the drive approach is 4 feet (1.2 m). At this height OSHA regulation dictates that companies install adequate protection against falls.

When a 10,000 lb (4535 kg) forklift traveling at 4 mph meets the edge of a loading dock, what's going to win? Safety barriers perceived as adequate protection may leave your employees exposed to potentially fatal injury.



Leveler maintenance

Don't leave them hanging.

When raised for maintenance or pit clean out a dock leveler, weighing in excess of 2,000 lbs (907 kg), is suspended in mid-air. It's vulnerable to forklift traffic and power to the equipment may be intact. All support struts are not created equal, and when proper precautions aren't taken the crushing outcome can be fatal.

Rite-Hite levelers are tested to the highest physical safety standard in the industry.



Safe-T-Lip with slotted lip design

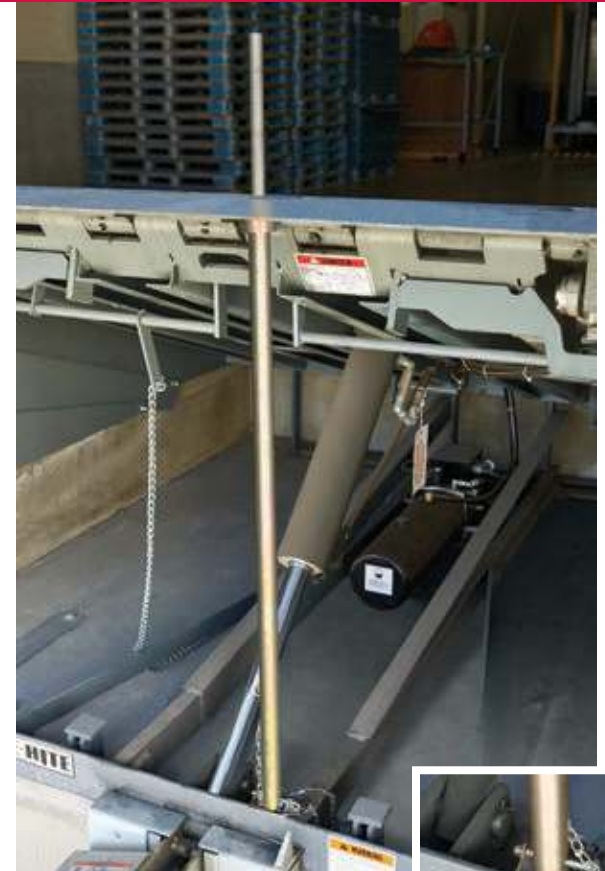
Our Safe-T-Lip® and Safe-T-Strut™ are expertly engineered for personnel protection and efficiency.

Safe-T-Lip

- » Features an 5-7" (127-177 mm) barrier proven to stop a 10,000 lb (4535 kg) load moving at 4 mph (6 km/h).
- » Designed with a slotted lip for unobstructed full end-load access, critical for use with air-ride suspension trailers.

Safe-T-Strut

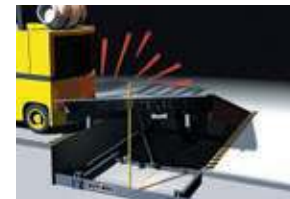
- » Unique through-the-lip design supports the entire structure and keeps strut in place.
- » Engineered to withstand a 10,000 lb forklift moving at 4 mph driving up half the length, or colliding with the sides of a raised leveler.
- » Includes lockout/tagout capability for added safety – can be easily padlocked to prevent removal.



Safe-T-Strut™ with through-the-lip extension



Lockout feature



Forklift impact



Forklift traffic



Hydraulic Leveler
A premium pit-style leveler.

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Heavy-Duty Hydraulic Leveler
For use with heavy loads.

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Jumbo™ Leveler
Full width access for increased productivity.

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Air Powered Leveler
A cost-effective alternative to hydraulic.

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Vertical Storing Leveler
For maximum supply chain integrity.

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Mechanical Leveler
Rugged reliability.

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Standard safety features. The Rite-Hite® advantage.

Innovative Technology. Consistent Quality. Continued Evolution.

Continuing a long history of safety, innovation, durability, reliability, and low lifetime ownership costs, Rite-Hite uses rigorous in-house testing, gathers customer feedback, and examines the latest trends in the trucking, logistics, and material handling industry.

Exclusive Safe-T-Lip®

- » Protects against vacant dock drop-off accidents
- » Slotted lip design allows for unobstructed end loading
- * Not available on the RH mechanical or vertical levelers*

Smooth transition

- » Constant-radius rear hinge
- » Two-point crown
- » Optimized lip chamfer

Exclusive Safe-T-Strut™

- » Protects personnel during inspection and pit clean out
- » Lockout/tagout capability and a unique through-the-lip design keep the strut in place

Unique structural engineering

- » For use of 3 and 4 wheel forklifts
- » Beam support is designed to flex up to 4" (101 mm) under its own weight to maintain a smooth transition for forklifts on out of balance trailers

DLIG Warranty

Up to 20 year money back warranty based on the Dock Leveler Investment Guide

ANSI MH30.1

Tested & certified – exclusive industry standing

Educated investment

Requires minimal maintenance and low lifetime ownership costs



Smooth transition



Safe-T-Lip



L-beam support and Safe-T-Strut



Unobstructed full end-load access

Best in class

Rite-Hite hydraulic dock levelers offer safety and reliability with the smoothest transition in the industry.

- 1 Unique structural engineering**
 - » L-beam design with no more than 8" (203 mm) of spacing between beams for use of 3 and 4 wheel forklifts
 - » Designed to flex under its own weight
- 2 Environmentally friendly**
 - » Biodegradable fluid outperforms traditional industrial grade fluid
- 3 Infinite lip control**
 - » Allows the operator to extend lip or stop platform any time during leveler travel to assist with loading expediency

Leveler pictured includes the Hydra-Rite Hydraulic Package.



Heavy loads

RHH high capacity hydraulic dock leveler delivers maximum safety and performance for the most demanding industries.

- 1 Designed for heavy loads**
 - » I-beam design provides ultimate structural integrity
 - » Substantial lip, hinge spool, and front header
 - » Designed to flex under its own weight
- 2 Advanced hydraulic system**
 - » Hydra-rite hydraulic package
 - » Biodegradable fluid outperforms traditional industrial grade fluid
 - » Infinite lip control allows the operator to extend lip or stop platform any time during leveler travel to assist with loading expediency



I-Beam



A wide approach

RHJ Jumbo™ dock leveler provides full-width trailer access at 102” for increased productivity.

- 1 4-Sided structural engineering**
 - » I-beam design provides ultimate structural integrity for the most demanding applications.
 - » Substantial lip, hinge spool, and front header
 - » Designed to flex under its own weight
- 2 Full-width access**
 - » Unique wide-platform deck design – 102” (2.6 m)
 - » Eliminates pit wall and bumper obstructions for efficient below-dock loading/unloading
 - » Integral floating steel-faced bumpers
- 3 Advanced hydraulic system**
 - » Hydra-rite hydraulic package
 - » Biodegradable fluid
 - » Infinite lip control allows the operator to extend lip or stop platform any time during leveler travel to assist with loading expediency



Full-width access

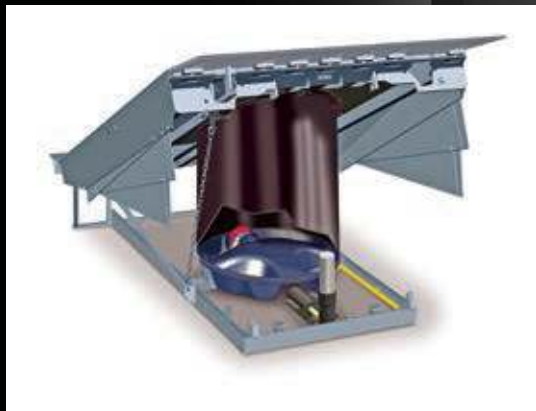


Cost effective

RHA air-powered dock leveler provides a cost effective push button operation system with diverse features.

- 1 Unique structural engineering**
 - » L-beam design with no more than 8" (203 mm) of spacing between beams for use of 3 and 4 wheel forklifts
 - » Designed to flex under its own weight
- 2 Low-pressure lifting system**
 - » Single push button activation
 - » 30 oz (0.85 kg) abrasion resistant nylon air tower
 - » Enclosed direct connect blower motor stands up to the harsh loading dock environment
- 3 Exclusive mechanical lip extension**
 - » Activated and locked into place at the right time to make sure it rests in the trailer bed properly (not gravity down)
 - » Lip is automatically extended upon full activation of the air tower
- 4 Stump out solution**

Provides free fall protection and free-float when loading/unloading



Air tower protects blower motor from dirt and debris



Defend and Secure Your Supply Chain



Doors opened inside facility

Does your dock design support your safety and security goals?

Inspection and compliance. How does your dock design measure up?

Supply chain traceability is one of the most complex areas of food safety and, undoubtedly, will be where the greatest amount of change will continue to occur in the future.¹

In order to be proactive on this front, there are a variety of organizations that should be closely monitored:

- » Food Safety Modernization Act
- » American Institute of Baking
- » Food & Drug Administration
- » Hazard Analysis Critical Control Points
- » Customs-Trade Partnership Against Terrorism
- » Silliker Group Corporation
- » Safe Quality Food
- » British Retail Consortium

¹Brian Boyle, Special to Food Processing



Environmental security

Does your dock design support your safety and security goals?

When safety seals are broken outside of the building, and trailer doors are opened in the drive approach, environmental factors and the increased risk of unauthorized access leave goods susceptible to accidental and intentional contamination as well as pilferage.

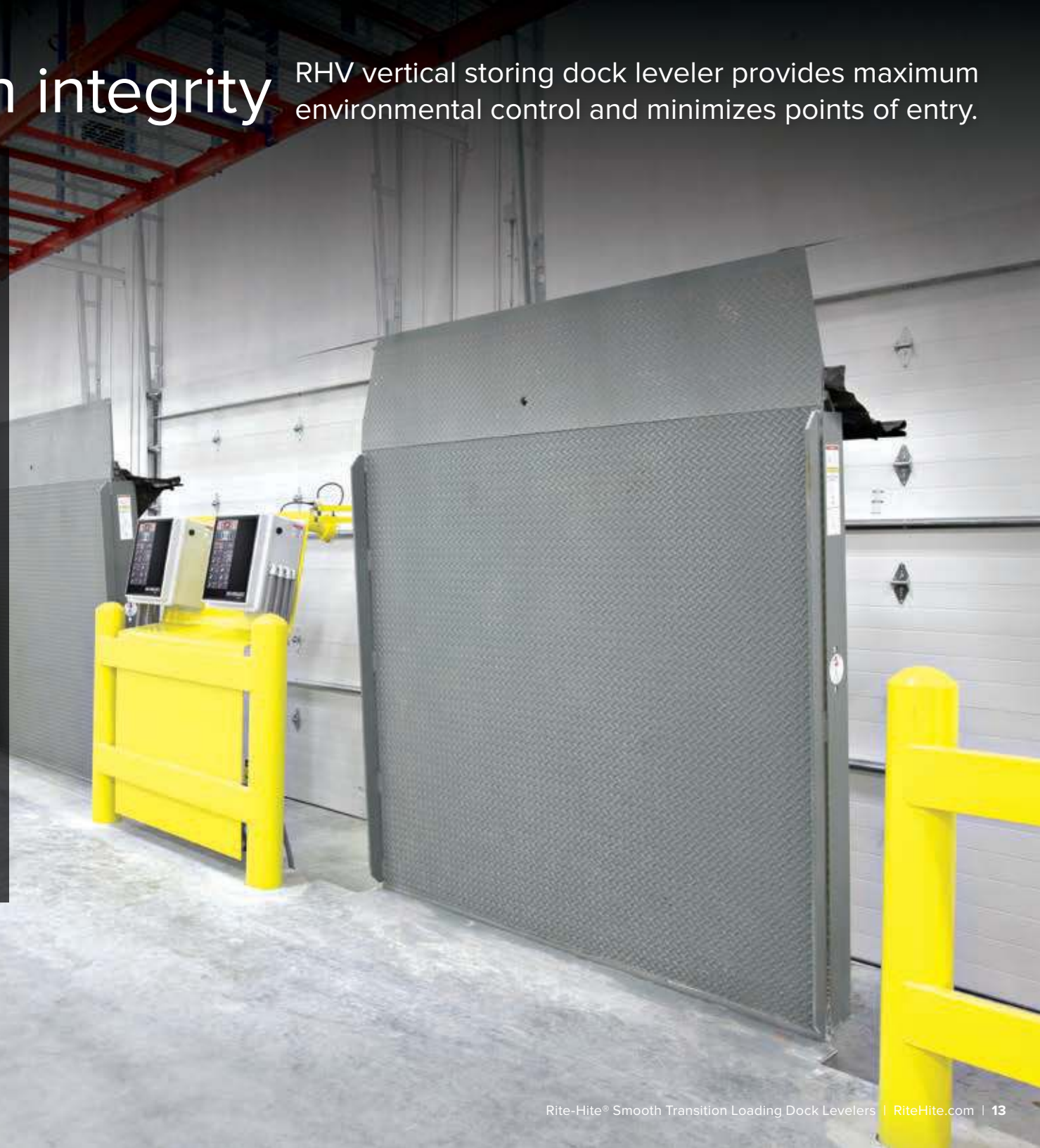
Additionally, gaps and whitespace in a loading dock design can lead to potentially catastrophic safety hazards, product damage, contamination, quality inspection concerns, and diminished employee comfort.

Addressing these challenges helps eliminate product spoilage, theft, and costly recalls – greatly increasing safety and security in the supply chain.

Supply chain integrity

RHV vertical storing dock leveler provides maximum environmental control and minimizes points of entry.

- 1 Unique structural engineering**
 - » L-beam design with no more than 8" (203 mm) of spacing between beams for use of 3 and 4 wheel forklifts
 - » Designed to flex under its own weight
- 2 Advanced Safety**
 - » Constant contact push buttons allow operator to extend lip or stop platform and lip any time during leveler travel – keeping the operator in control at all times
 - » Tilt-back control ensures the leveler is stored over center
 - » Safe-T-Pit™ (patent pending) provides an additional layer of protection with an automatic safety stop that is activated when personnel movement is detected in the leveler pit during operation
- 3 Cleanliness and environmental control**
 - » Clean pit design with off floor mounting to eliminate harbor points for debris
 - » Complete four-sided seal present during loading/unloading operation
 - » Overhead door closes all the way to the pit floor, minimizing points of entry for dust, insects, and rodents
- 4 Environmentally friendly**
 - » Biodegradable fluid outperforms traditional industrial grade fluid



Rugged reliability

RHM mechanical dock leveler provides economical and reliable solutions.



- 1 Unique structural engineering**
 - » L-beam design with no more than 8" (203 mm) of spacing between beams for use of 3 and 4 wheel forklifts
 - » Designed to flex under its own weight
- 2 Dependable operation**
 - » Simple operation with smooth, consistent walk-down
 - » Most proven hold down device in the industry – a nine-tooth pawl and ratchet bar provides more surface engagement on the rugged ramp control system
 - » Hydracheck® provides a safe, positive lip extension
- 3 Dual safety stops**
 - » Stop the leveler platform should the lip become unsupported



Nine tooth pawl

Maximize safety

Dok-Commander™ control system

Maximize safety and effectiveness by interlocking multiple pieces of dock equipment to attain a customized sequence of operations.



Rite-Hite Dok-Commander offers simple access to controls for each dock component.

Designed and tested to deliver reliable performance under the harshest conditions: electrical noise, electrical and environmental requirements, and chemicals. The flexible circuitry meets your changing needs: easily update components or add features with ease in the field.

The Rite-Hite® advantage for all controls

- » Modern user interface with updated membrane switch buttons
- » Interlock capable for a complete dock safety system
- » Security System Interface with anti-theft technology
- » NEMA 4X rated – an added level of protection for personnel and equipment. Protect the components that help protect your people in the harsh loading dock environment.

Integrated controls

Integrate the controls at your loading dock. This minimizes electrical installation costs and reduces the wall space required by multiple control boxes.



Multiple controls at each dock position can be complicated and potentially dangerous.

Rite-Hite Dok-Commander

Interlock the sequence of operations to optimize dock safety and productivity

- » **Supply Chain Integrity Sequence** – allows controls to interface, keeping the supply chain safe.
- » **Best Practice Sequence** – secures trailers and protects employees.
- » **Door Protection Sequence** – protects overhead doors and employees.

Security system interface

Dok-Lok® vehicle restraints can physically enhance security at a facility when linked with an active building security system. If an engaged restraint is tampered with, the building security system is notified and facility protocol is followed.

A higher level of safety

The industry's most reliable and effective communication systems created with dock personnel and truck drivers in mind.

A total dock safety system

Rite-Hite® is continually developing innovative solutions to improve loading dock safety and productivity.

- 1 Controls**
Designed to withstand harsh loading dock conditions. Integrate additional equipment, or upgrade system components with ease.
- 2 Rite-Vu™ Visual Communication System**
Together, Corner-Vu and Leveler-Vu provide full-time visual communication at your dock. Keeps personnel safe and increases productivity.
- 3 Vehicle restraints**
The most effective means of preventing problems caused by trailer separation accidents and vertical and horizontal trailer movement.
- 4 Safe-T-Lip® levelers**
Integrated steel barrier helps prevent forklift drop-off accidents at vacant dock positions.
- 5 Dok-Guardian™**
Heavy duty safety barrier fits across openings up to 16" (4.87 m) wide. Designed to stop 10,000 lbs (4535 kgs) at 4 mph (6 km/h).
- 6 Rite-Hite® dock seals and shelters**
Various top designs effectively maintain environmental control and protect products, equipment and personnel from weather-related hazards.



We provide the most comprehensive warranty in the industry.

It's more than peace of mind; it's a commitment from Rite-Hite to maintain a high degree of quality, dependability, and reliability.



Dock Leveler Investment Guide

Our warranty assures that the solutions we offer are free from defects in materials and factory workmanship for up to 10 years. Receive a non-prorated warranty based on your:

- » Specific application
- » Forklift gross load
- » Amount of truck traffic

Representative support



Choosing a leveler is a long-term investment

You're not just choosing an important product – you're also choosing a company. Make sure you select a manufacturer and local dealer who stand behind the equipment and provide complete service and support.

Consult with your Rite-Hite Representative to evaluate your current equipment and determine how partnering with Rite-Hite can benefit your facility.



Improving industrial **safety**, **security**, and **productivity** worldwide through quality and innovation.

- ▶ VEHICLE RESTRAINTS
- ▶ LOADING DOCK LEVELERS
- ▶ DOCK SEALS AND SHELTERS
- ▶ INDUSTRIAL DOORS
- ▶ HVLS FANS
- ▶ BARRIER SAFETY SYSTEMS
- ▶ MACHINE GUARDING SYSTEMS
- ▶ INDUSTRIAL CURTAIN WALLS

RITEHITE
ALWAYS LOOKING AHEAD

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