

Dock Levelers

Vehicle Restraints

Seals and Shelters

Doors

Dock Levelers



RITE·HITE®

A smoother transition to safety and productivity.

Back injuries, a costly problem.

Back injuries are a significant cost to industry. The warehouse has historically been a common area where these injuries occur due to the lifting required. However, there is an increased understanding today about an issue that has been around for years: back injuries caused by or accelerated by exposure to whole body vibration.

In one study, 21% of forklift operators working over 4 hours daily experience back problems.*

A forklift operator is exposed to vibration during the course of a normal working day from the forklift engine and movement across the floor. In addition to the constant vibration, there is also potential for jolts or shocks as the forklift encounters irregular surfaces, such as the rear hinge and crown of a dock leveler.

Ensuring the smooth transition.

Rite-Hite has introduced a full line of dock levelers designed to minimize the jolts and shocks experienced by the forklift operator while loading or unloading a trailer. The smooth transition rear hinge and two-point crown control on the front lip hinge help provide the smoothest transition for your operators, forklifts and products.

Rite-Hite Dock Levelers improve safety, require less maintenance and reduce product damage, making them the best value for your investment.

Overall, about 24% of U.S. workplace illness and injuries are back related, costing an estimated \$80 billion annually.*** Workers' compensation claims for neck and lower back injuries average \$14,790 and \$11,320 each respectively.******



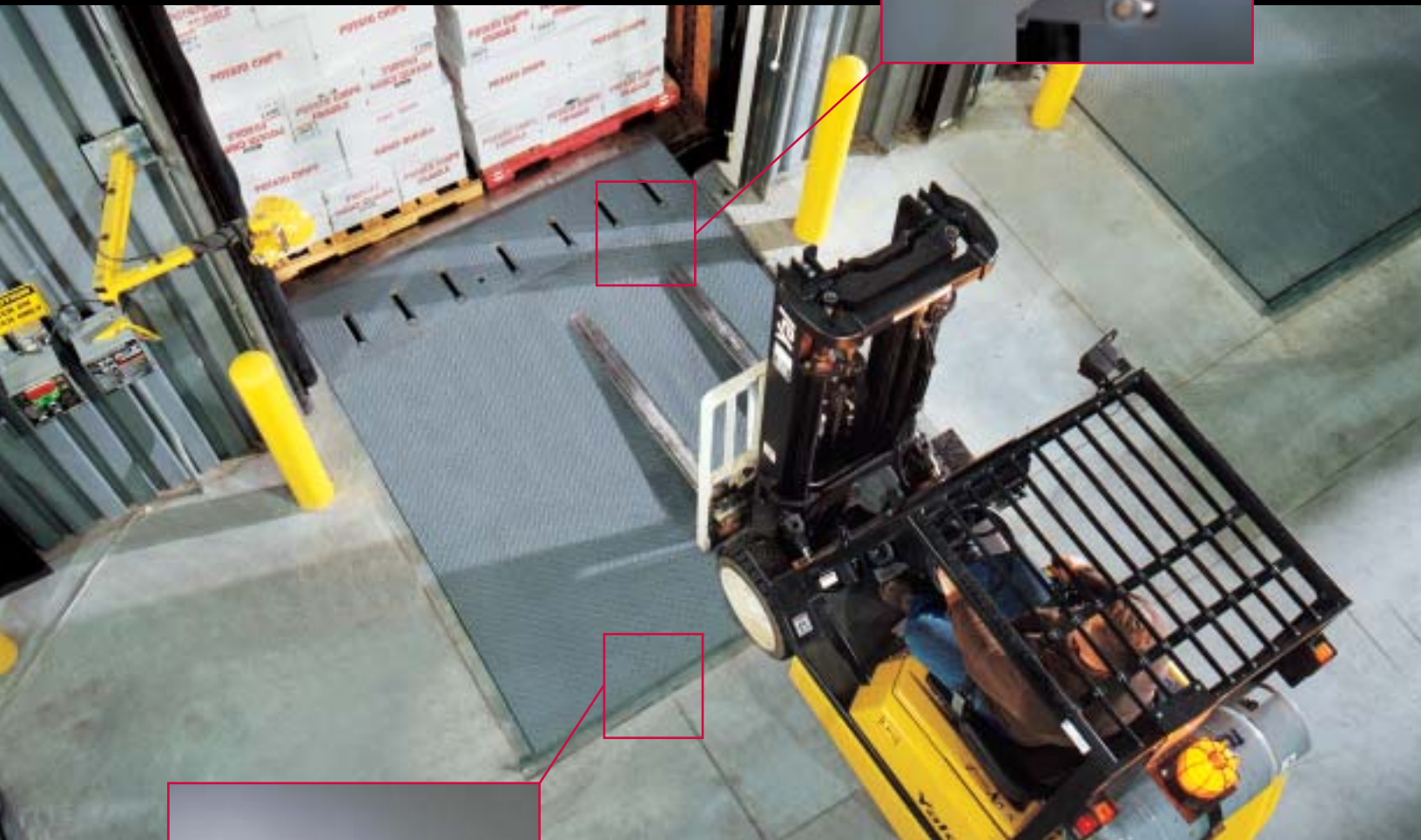
*Source: Whole Body Vibration and Back Disorders Among Motor Vehicle Drivers and Heavy Equipment Operators, University of British Columbia, April 1999

**Source: National Safety Council, Injury Facts 2004 Edition

***Source: The Economics of Spinal Disorders, JW Frymoyer, 1991

****Source: National Safety Council Accident Facts 1997 Edition

Two-point crown control on the front lip hinge of Rite-Hite dock levelers ensures a smooth transition between the leveler and the trailer bed.



The design of the rear hinge creates a smooth transition between the Rite-Hite dock leveler and the warehouse floor.



“To reduce vibration exposure for lift truck operators... special attention should be paid to the design of entry points into trailers... well-designed dock levelers should be used.”

The Ergonomics of Lift Trucks, Canadian Pulp and Paper Health and Safety Association, 1998

R i t e - H i t e O w n e r s h i p C o s t s

Built to lower lifetime ownership costs.

Initial cost is just part of the picture when evaluating your dock leveler purchase. You must also consider:

- Design simplicity
- Construction quality
- Accessibility of components for servicing
- Frequency of required maintenance
- Anticipated maintenance and repair costs

Levelers can vary widely on these points, all of which contribute to the overall lifetime ownership cost of your unit.

Offering exceptional durability, reliability and life expectancies, Rite-Hite dock levelers are simply designed for easy servicing and built to handle your most demanding dock operations.

Our Dock Leveler Investment Guide will help you select the right leveler for your needs, by showing you how many years of performance to expect from a new Rite-Hite dock leveler based on your specific loading dock conditions. Most Rite-Hite leveler components are backed by 10 to 20-year money-back guarantees based on your performance requirements. So your leveler investment is protected for many years of trouble-free operation – with the lowest lifetime ownership cost.



Loading dock accidents can be costly. A serious industrial accident can easily cost your company over \$1 million after insurance. And only 20% of that is direct costs, such as medical expenses and compensation. More significant are the indirect or "hidden" costs – including lost productivity, property damage and more – that can easily be four times the direct costs.

Rite-Hite's industry-leading dock leveler solutions address critical dock safety issues, with features that prevent worker injuries and minimize leveler and forklift damage – while ensuring consistent productivity.

SAFE-T-LIP barriers improve dock safety.
Integrated SAFE-T-LIP® barrier positions automatically when the leveler returns to a stored position – protecting people and cargo when trailers are not present.

SAFE-T-STRUT support protects workers during maintenance.
Strong, easy-to-position SAFE-T-STRUT™ maintenance strut ensures safe access to the pit. Lock-out capabilities help you comply with OSHA regulations.

Automatic return keeps cross-traffic safe.
Rite-Hite hydraulic and air-powered dock levelers automatically return to dock level after use so forklifts can drive safely across them.

Solutions for a safer dock.



Dangerous dock conditions cause more than 10% of all reported forklift accidents each year.

- Source: Powered industrial truck accidents reported through OSHA's "First Report of Serious Accidents" 1985-1990, Modern Materials Handling, February 1996

"Each year about 100 workers are killed and almost 95,000 are injured in industrial truck accidents."

- OSHA Chief Charles N. Jeffress, Modern Materials Handling, February 1999

M e c h a n i c a l L e v e l e r s

Rite-Hite Mechanical Dock Levelers provide an economical, reliable solution for basic dock leveler applications.



A 9-tooth pawl and crowned, hardened ratchet bar teeth on the rugged ramp control system ensure the industry's most reliable hold-down.

- Simple operation with smooth, consistent walk-down.
- Superior design of heavy-duty ramp control system features the most proven hold-down device in the industry.
- Safe, positive lip extension provides consistent operation.
- Dual safety stops are provided to stop the leveler platform should the lip become unsupported.

A i r - P o w e r e d L e v e l e r s

Activated by the push of a button, Rite-Hite Air-Powered Dock Levelers feature an advanced low-pressure lifting system and mechanical lip extension.

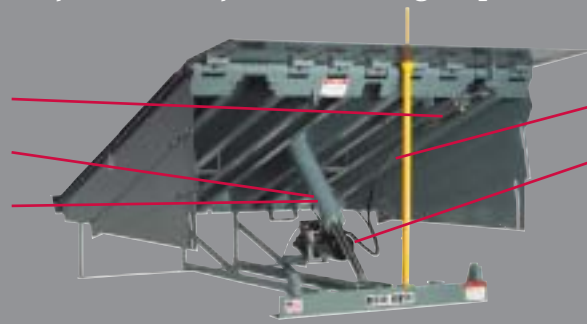


Rite-Hite Air-Powered Levelers are designed to prevent potential stump-out problems with no legs or rollers required to sense a free-fall situation.

- Easy, one-button operation with solid-state controls.
- Rite-Hite Stump-Out Solution (S.O.S.) provides automatic free-fall protection to stop rapid leveler descent within 3".
- Low maintenance requirements.
- Exclusive SAFE-T-LIP® barrier protects against vacant dock drop-off.
- Automatic recycle returns leveler to safe dock level position.
- Air tower easily moved for clean-out or wash-down.

Hydra-Rite™ Hydraulic Package (optional)

- 2-1/2" lip cylinder
- Low-pressure hydraulic system
- 4" main lifting cylinder



- Cylinder return lines
- 1-HP motor
- Up to a 20-year warranty on hydraulic components

H y d r a u l i c L e v e l e r s

Great performance and easy to use, Rite-Hite Hydraulic Dock Levelers require minimal maintenance and have the lowest lifetime ownership costs.



- Push-button activation.
- Fully hydraulic platform positioning and lip extension.
- Free leveler movement through full working range.
- Heavy-duty toe guards.

- Advanced hydraulic system for full-range leveler float and automatic free-fall protection.
- Exclusive SAFE-T-LIP® barrier protects against vacant dock drop-off.
- Automatic recycle returns leveler to safe dock level position.

- Biodegradable hydraulic fluid outperforms traditional industrial-grade fluid and is environmentally friendly.
- Hydraulic velocity fuse safety stop system halts rapid leveler descent within 3".

R i t e - H i t e D o c k L e v e l e r F e a t u r e s

A choice of three types of Rite-Hite dock levelers gives you maximum flexibility in selecting a leveler for your specific loading dock application.

	Hydraulic Levelers	Air-Powered Levelers	Mechanical Levelers
Activation	FULLY AUTOMATIC OPERATION Push and hold "raise" button on control panel to lift leveler. Lip extends either when "lip-out" button is pushed or when leveler reaches highest level. Provides maximum productivity.	PART AUTOMATIC/PART MECHANICAL OPERATION Push and hold control button to lift leveler. Lip extends after leveler reaches its highest level.	MECHANICAL OPERATION Pull chain (located at rear of leveler) to release hold-down. Operator then walks leveler down to position on trailer floor. Second pull chain to retract support legs for all below-dock service. Operator must stand on leveler.
Free-Float/Free-Fall Safety	HYDRAULIC VELOCITY FUSE Unrestricted float throughout full service range. No potential for stump-out. Limits platform free-fall to 3" or less from any leveler position.	RITE-HITE STUMP-OUT SOLUTION Allows free-float. Must be retracted for any below-dock service. All free-fall protection is lost if legs are fixed or automatically retract when lip extends.	MECHANICAL SUPPORT LEGS If not retracted, mechanical support legs can interfere with float during normal loading and unloading. Also known as "stump-out." Legs must be retracted for any below-dock service.
Vacant Dock Drop-Off Protection	YES Automatic SAFE-T-LIP® barrier available.		NOT AVAILABLE
Lip Extension	HYDRAULIC	MECHANICAL	
Automatic Recycle	AUTOMATIC RETURN TO DOCK LEVEL Standard or optional on all models. No selector switch or manual operation required. Leveler automatically restores to safe cross-traffic position.		NOT AVAILABLE
Maintenance Requirements	LOW	VARIABLE Low scheduled maintenance requirements. Mechanical components may require additional maintenance.	
Environmentally Friendly	YES Biodegradable hydraulic fluid.	YES	



Representative Support.

Choosing a dock 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. Ask about the company's track record with existing customers. Ask for a product demonstration, and visit a field site where the equipment has been installed for some time. Check on the availability of service specialists. Ask about the guaranteed life expectancy of the leveler and make sure you get written warranties.

Rite-Hite Special Levelers & Equipment



Jumbo™ Hydraulic Leveler

- Increased productivity – unique design eliminates pit wall and bumper obstructions for efficient below-dock service.
- Full-width trailer access – 8'6" wide platform deck serves wider trucks with lower beds and full-width loads.
- Simple design – single platform and lifting cylinder provide reliability and safety.
- Integral floating steel-faced bumpers are mechanically operated to minimize maintenance and interference with loading/unloading.



Vertical Hydraulic Leveler (VHL)

- Overhead door closes all the way to the pit floor, providing better environmental control over temperature and humidity extremes.
- Creates a barrier that can help protect against overhead door damage and accidents caused by fork trucks falling off an open dock.
- Safe, simple maintenance support system ensures safe access to the pit.
- Vertical storing position allows for easy routine pit cleaning or full wash-down.



DOK-COMMANDER® Combination Control Panel

- Interconnects and integrates control of dock leveler, vehicle restraint and other loading dock equipment.
- Simplifies and streamlines dock operation.
- Operates devices in proper sequence to minimize costly accidents or injuries and maximize safety and productivity.

A single DOK-COMMANDER system eliminates multiple control boxes and power lines to simplify operations, provide easy access to each dock component's controls and make the best use of available wall space.

**RITE-HITE
DOORS**
The Leading Edge In Door Safety.

RITE-HITE®

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A RITE-HITE COMPANY

RITE-HITE® is a registered trademark of the RITE-HITE Corporation. RITE-HITE reserves the right to make product improvements without prior notice.

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