

RHR-1000

DOK-LOK® Vehicle Restraint

The original trailer restraint

More installations worldwide than any other restraint. Backed by Rite-Hite for over 20 years.

Helps control all types of trailer separation

Unique rotating hook design can help prevent aggressive early departure, trailer creep and dock walk, as well as trailer tipover from landing gear collapse or trailer up-ending.

Flexible and reliable

- 9" low-profile housing accommodates widest variety of trailer RIGs.
- Hook reaches over 6" to help maintain engagement in below-dock endload situations.
- Powerful extension springs provide superior upward force against RIG to keep trailer secure during loading, even with air-ride trailers.

Positioned automatically

Utilizes energy of backing trailer and adjusts easily to varying RIG heights. No external power source required for positioning.

Proven durability for long life

- Stores above ground to keep clear of snow, ice, debris and standing water, ensuring reliability of communication signals.
- Will not be damaged by backing trailers. Entire unit is zinc-plated for all-weather performance.
- 5 year parts and labor guarantee.

Simple design, low maintenance

Fewer moving parts means high reliability, high uptime for maximum productivity. E-Z-Lube™ axle design makes occasional lubrication quick and simple.



Superior design and Universal Restraint Controller provide the ultimate in safety and performance.



Advanced communication system with URC.

Exclusive URC controls technology allows ultimate flexibility, provides highest reliability available.

Exclusive system features audible alarm with coded override, outside light monitors, simple trouble-shooting, self-diagnostics, and easy interconnecting functions.



RITE-HITE®

SPECIFICATIONS

RHR-1000

GENERAL DESCRIPTION:

Solid state DOK-LOK® Vehicle Restraint (RHR-1000) is designed to secure a semi-trailer to a loading dock by engaging the trailer's rear impact guard (RIG) with a large, rotating hook. A spring-loaded, structural steel housing automatically positions the unit when contacted by a backing truck. The hook mechanism is controlled from an electric control panel mounted inside the building. Nine-inch carriage standard.

OPERATION:

As the trailer backs into position, the rear impact guard contacts the spring-loaded structural steel housing. The housing rides down in its track, allowing the rear impact guard to move over the top of the housing. The dock attendant then pushes a control button, which activates the hook to secure the trailer to the dock. The hook provides a holding force in excess of 32,000 lbs. DOK-LOK restraint maintains constant contact with the rear impact guard and adjusts automatically with trailer float motion to ensure proper hooking at all times during loading/unloading operations. After servicing is completed, the dock attendant releases the hook by pressing a release button at the control panel. In the event a trailer is missing, or has a damaged RIG, the DOK-LOK restraint will communicate a fault condition. An audible alarm alerts the operator that the trailer has not been properly secured by the DOK-LOK restraint. At this time, the operator may override the fault condition and secure the trailer by other means. At all times, the light communication system automatically adjusts to the proper operational mode.

CONSTRUCTION:

The enclosed, welded structural steel housing is constructed of 5/16" steel and is designed to receive the impact of trailers backing into position. The housing protects all components from damage by weather, dirt and debris. The following components are zinc-plated: track, mounting plate, housing, hook mounting components, switch bracket, chain sprockets, chain, motor cover and track anchors. The large rotating steel hook has a yellow dichromate finish.

INSTALLATION:

Low-profile DOK-LOK restraint is mounted to a steel plate that is embedded in the dock face or secured by 15 anchor bolts plus 22" of weld to the pit curb angle. Installation does not require modification to the dock leveler. Mounting force is in excess of 100,000 lbs.

ELECTRICAL / CONTROLS:

Universal Restraint Controller provides flexibility for customizing sequence of operation to most requirements. All operator controls are mounted in a gasketed control panel. The control panel is fully operational at all times; does not require key activation; contains solid-state components. Hook mechanism, electric motor and limit switches are totally enclosed in structural steel housing. Electrical components and wiring are UL listed or recognized. RHR-1000 DOK-LOK restraint requires a power source of 110/115 volt, single phase with a 15 Amp service circuit. The Universal Restraint Controller on the RHR-1000 also provides a Self-diagnostic Program, which greatly simplifies trouble-shooting by checking all inputs and outputs.

Please note: Unless specifically noted on quotation, all electrical, including hook-up, is the responsibility of others.

COMMUNICATION SYSTEM:

Outside Communication System: Full-time flashing red or green lights with signs instruct the truck driver when it is safe to back in or pull out. Low profile light box design helps avoid damage from backing trailers.

Inside Communication System: Full-time flashing red or green lights with signs help the dock attendant know when it is safe to perform loading/unloading operations. The inside lights are in the opposing mode to the outside lights.

Audible Alarm: Inside alarm helps warn the dock attendant when a normal rear impact guard has not been properly engaged. Provides a positive signal in addition to the red light.

Audible Alarm Override: A coded pushbutton control allows authorized personnel to override the audible alarm. When the audible alarm is in override, the inside red and green lights continue to flash simultaneously.

WARRANTY:

Five-year parts and labor from date of shipment. All warranties are subject to standard limitations on liability.

OPTIONS:

- 12" carriage
- LED light system
- Interconnect/interlock modules to optimize sequence of operation to specific needs.

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,257,137; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315 (RE32,968); 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,047,748; 5,111,546; 5,168,267; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970. Other U.S. and foreign patents pending.

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8900 N. Arbon Drive, Milwaukee, WI 53223-2472
P.O. Box 245020, Milwaukee, WI 53224-9520
1-800-456-0600 or 1-414-355-2600
www.ritehite.com

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Intelligent Dock DesignSM