

SHR Series Dok-Lok[®] Vehicle Restraint

Hazard Recognition and Control at the highest level.



Shadow hook secures intermodal container chassis with rear impact guard obstructions.



Unique rotating hook delivers the highest level of protection.

The original, always improving trailer restraint

Rite-Hite[®] created the restraint industry in 1980. More installations worldwide than any other restraint.

Unique design helps address all trailer separation accidents

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

Enhanced hook design

Innovative hook design offers the most coverage over a rear impact guard. Shadow hook adds an additional layer of safety, securing trailers or intermodal container chassis with cover plates or obstructions.

Engineered to withstand loading dock environment

Stores above ground away from snow, ice, debris and standing water to ensure reliable performance. IP66 rated motor helps prevent dust and water infiltration. Resists damage by backing trailers. Corrosion resistant finish for all-weather performance.

Flexible and reliable

Hook reaches over 6" to help maintain engagement in below-dock endload situations. Powerful extension springs provide superior upward force against rear impact guard to keep trailer secure during loading, even with air-ride trailers.

Rite-Vu[™] hazard recognition and communication system

Interior/exterior LED light communication system, including Approach-Vu, Pedestrian-Vu, Corner-Vu and Leveler-Vu.

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.

Specifications

General description

The SHR-5000 Dok-Lok® Vehicle Restraint secures a semi-trailer or intermodal container chassis to a loading dock by engaging the rear impact guard (RIG) with a rotating hook. Engagement range extends from 9" to 30" above the ground. A spring-loaded, structural steel housing automatically positions the unit when contacted by a backing truck. The hook mechanism is operated from a control panel mounted inside the building.

Operation

As the trailer backs into position, the RIG contacts the spring-loaded structural steel housing. The housing rides down in its track, allowing the RIG to move over the top of the housing. The dock attendant pushes the lock button which activates the hook to secure the trailer to the dock. The hook provides a holding force in excess of 32,000 lbs (14,500 kg). The Dok-Lok restraint maintains constant contact with the RIG and adjusts automatically with the trailer float motion to ensure proper hooking at all times during loading/unloading operations. If there is a cover plate above the rear impact guard, the shadow hook adds an additional layer of safety providing secure engagement.

If the hook is pushed down, while in operation, auto-refire technology restores safe and secure engagement. After servicing is completed, the dock attendant pushes the unlock 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. 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" (8 mm) 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. An IP66 rated motor provides dust and water infiltration protection. The SHR-5000 has a corrosion resistant finish. The 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" (559 mm) of weld to the pit curb angle. Installation does not require modification to the dock leveler.

Electrical/Controls

All operator controls are mounted in an interlock capable, NEMA 4X, gasketed control panel and enclosure assembly. Hook mechanism, electric motor and switches are totally enclosed in structural steel housing. Electrical components and wiring are UL listed or recognized. SHR-5000 Dok-Lok restraint requires a power source of 110/115 volt, single phase with a 15 Amp service circuit. *Please note: Unless specifically noted on quotation, all electrical, including hook-up, is the responsibility of others.*



Rite-Vu Hazard Recognition and Communication

- » **Approach-Vu:** Detects motion in the drive approach and presents a clear visual and audible warning to pedestrians.
- » **Pedestrian-Vu:** Detects and signals when there is activity inside of the trailer. An audible alarm sounds when an unsecured trailer is entered. Dok-Lok cannot be disengaged when activity is detected inside the trailer.
- » **Corner-Vu:** Provides a clear, immediate Dok-Lok status to the forklift driver before entering the trailer.

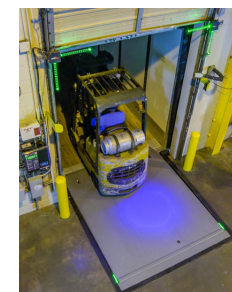
» **Leveler-Vu:** Confirms Dok-Lok status to the forklift driver while inside the trailer.

» **Outside Truck Driver Communication System:** Flashing red or green lights and signs indicate when it is safe to back in or pull out.

» **Inside Dock Attendant Communication System:** Flashing red or green lights indicate when it is safe to perform loading/unloading operations.

» **Audible Alarm:** An inside alarm provides a positive signal and red light when a RIG has not been properly engaged.

» **Audible Alarm Override:** Push-button controls allow personnel to override the audible alarm, causing inside lights to flash red and green simultaneously.



Warranty

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



Available Features

Shadow Hook technology

Advanced controls package
(Includes Coded Override, Self-diagnostics, Security System Interface)

Lok-Vu (Dok-Commander™ is required)

Base controls package

Rite-Vu™ Light Communication System

Approach-Vu Corner-Vu

Pedestrian-Vu Leveler-Vu

9" carriage 12" carriage

Client Info

Company Name

Date



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