

VBR-300 Dok-Lok[®] Vehicle Restraint

Ultra safe and dependable communication system.

Safe, constant contact

Continuous upward force maintains engagement as trailer bed height fluctuates during loading and unloading.

Flexibility to service a wide variety of trailers

Specialty trailers and trailers with lift gates can access the loading dock, while maintaining an effective light communication system.

Dependable operation

A trailer's RIG is securely held by an angled, vertical barrier. Single power unit allows combined operation of restraint and hydraulic leveler.

Virtually maintenance-free

Simple design incorporates switches that do not require adjustment as climatic conditions change.

Rite-Vu[™] hazard recognition and control system

Interior/exterior LED light communication system, including 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.



Truck presence bar.

Specifications

General description

The ground stored vertical barrier restraint is designed to secure a semi-trailer to a loading dock by engaging the trailer's rear impact guard (RIG) with a large, vertical barrier. The barrier mechanism is operated from a control panel mounted inside the building.

Operation

After the truck is backed into the dock, the dock attendant pushes the lock button on the control panel which raises the barrier to secure the trailer to the dock. Outside red and inside green communication lights signal that the trailer is engaged. The barrier provides a holding force in excess of 32,000 lbs (14,500 kg). Barrier maintains constant contact with the RIG and adjusts automatically with trailer float motion to ensure proper engagement at all times during loading and unloading operation. If the hook is pushed down, while in operation, auto-rewire technology restores safe and secure engagement. After servicing is completed, the dock attendant releases the barrier by pressing the unlock button on the control panel. The light communication system automatically adjusts to the proper operational mode.

Construction

The steel housing protects all components from damage by weather, dirt and debris. The following components are zinc-plated: base housing, mounting plate, covers and hardware. The large steel barrier has a yellow dichromate finish.

Installation

- » The VBR-300 restraint is mounted to a steel plate secured by 8 anchor bolts plus 15" (381 mm) welded to the pit curb angle.
- » Does not require modification of the dock leveler.
- » Mounting force is in excess of 70,000 lbs (31,750 kg).

Electrical/Controls

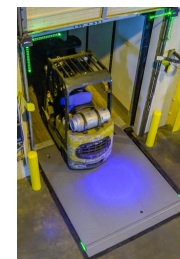
All operator controls are mounted in an interlock capable, NEMA 4X, gasketed control panel and enclosure assembly. The control panel is fully operational at all times; contains solid-state components. Barrier, sensor and magnetic-resistive switches are enclosed in structural steel housing. Electrical components and wiring are UL listed or recognized. The VBR-300 restraint requires a power source of 110/115 volt, single phase with a 15 Amp service circuit. Interlocks and interconnects are available to customize the sequence of operation to meet specific customer needs. Please note: Unless specifically noted on quotation, all electrical, including hook-up, is the responsibility of others.



Rite-Vu Hazard Recognition and Control

- » **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

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



Available Features

Rite-Vu™ Light Communication System Options
Pedestrian-Vu
Corner-Vu
Leveler-Vu

Client Info

Company Name

Date



R19VBR3SS1214H1

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