GWL-2300

GLOBAL WHEEL-LOK™ VEHICLE RESTRAINT

Versatility

Safely restrains virtually all trailer types including trailers without effective rear impact guards.

Maximize uptime

Simple, electro-mechanical design employs few moving parts for maximum reliability.

Positioned automatically

High-strength steel locking arm adjusts to different tyre sizes for tight, reliable engagement. No external power required for positioning.

Protects building and enhances seal effectiveness

Wheel guides help provide consistent, on-centre trailer positioning.

Safe, clear communication system

Protects workers, cargo and equipment.

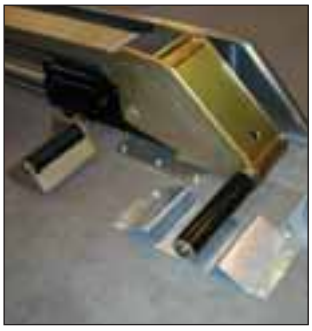
Minimal maintenance

Easy-to-access lubrication points.

TAKE THE SIMPLE ROUTE TO SECURING ALL KINDS OF TRAILERS

The Global Wheel-Lok™ vehicle restraint offers the most versatile design for companies that serve a wide variety of trailers, including those with hydraulic lift gates, folding gates, low hanging fenders, with or without rear impact guards (RIGs). It's a rugged and proven restraint system that offers the most simple and effective way to help prevent early departure and trailer creep accidents at your loading docks.

Restraining a wide variety of trailers, including those with hydraulic lift gates and folding gates.



Made of a special high-strength steel alloy, the barrier rod is spring-loaded to rise 510 mm for a snug lock against any size of tyre.

The locking mechanism provides simple and effective resistance to more than 14,500 kg (145 kN) of pullout force.

RITE-HITE®

GWL-2300

SPECIFICATIONS

As the vehicle approaches the loading dock, it is guided into position between the wheel guides. The rearmost tyre makes contact with the restraint's trigger device.

The trigger device then moves towards the loading dock, using the energy of the trailer. The locking arm determines the size of the tyre automatically, rising to its full height against the wheel.

When the trailer is in the parked position, the dock attendant inside pushes the "lock" button on the control box for activating the locking arm assembly. The inside and outside LED lights will change automatically.

General description

The Wheel-Lok™ GWL-2300 vehicle restraint is designed to secure virtually any trailer type, with or without rear impact guard, to the loading dock, by engaging the rearmost tyre on the driver's side with an integral steel barrier. Ability to resist pullout forces in excess of 14,500 kg (145 kN) allows restraint of virtually any trailer with tyres from 700 mm to 1200 mm in diameter.

Operation

As the vehicle approaches the loading dock, it positions between the dual wheel guides. It then contacts the restraint's trigger device which begins moving toward the loading dock using the energy of the trailer. This enables the locking arm to size the tyre and rise to its full height on the rearmost tyre. When the trailer is in position, the dock attendant pushes the "lock" button on the control box inside the building, which activates the locking assembly. Inside and outside red and green LED communication lights signal that the trailer is engaged.

To release the vehicle restraint, the dock attendant presses the "unlock" button. After the locking assembly is disengaged, the LED communication lights change to indicate the vehicle is no longer engaged and is free to move forward. Engagement range is 1090 mm to 4010 mm on the rearmost tyre from the face of the dock bumpers. The unit allows for manual release in the event of a power failure.

Construction

The GWL-2300 vehicle restraint is constructed of structural and formed steel. All structural components are electro-plated or painted for corrosion resistance. The drive system is an hydraulic cylinder powered by a 230 volt hydraulic power unit. The dual wheel guides are constructed of zinc-plated steel.

Installation

The GWL-2300 vehicle restraint is surface-mounted to the concrete driveway approach. The frame assembly and wheel guides are mounted using 32 self-expanding concrete anchors.

Electrical

All operator controls meet the EN standards. Electrical components and wiring are EN listed. Power requirements are 230 volt, single phase, 50 Hertz.

Safety features

Communication System: Outside system includes full-time flashing red or green LED lights with signs to warn the truck driver when it is safe to back in or pull out. Inside, full-time flashing red or green LED lights with warning signs, tell the dock attendant when it is safe to perform loading/unloading operations. The inside LED lights are in the opposing mode to the outside LED lights. The system also includes an inside audible alarm which sounds if the unit is unable to achieve its full restraining height. An override allows for horn silencing.

Automatic Tyre Sizing: The system automatically sizes the tyre ranging from 700 mm to 1200 mm in diameter to help provide maximum restraint.

Universal communication

Bold instructional signs and control box graphics are available in several languages.

Warranty

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

Ask your Rite-Hite representative for details on a Planned Maintenance program.

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