

MANUAL AND AUTOMATIC VEHICLE RESTRAINTS



The danger within



The loading dock is one of the most dangerous areas of any warehouse, manufacturing facility or processing plant. These fast-paced environments see a significant amount of movement inside with people and equipment, such as forklifts, and outside with trucks and trailers arriving and departing. In an average facility workers can cross the edge of a dock more than 100,000 times per year leaving them susceptible to risk and injury. However, research data shows that an estimated two-thirds of all loading bay accidents can be prevented by regular training, clear communications, and harnessing a range of equipment and technology which already exists.

MOVING VEHICLES

Probably the most common danger is vehicle creep (also known as 'dock walk'), closely followed by accidents caused by a vehicle leaving its bay too early, potentially with an employee or forklift still in the trailer. Traditional wheel chocks, which used to be put in place manually, are limited in their use and unreliable, especially in poor weather conditions and they are by no means strong enough to prevent a vehicle from pulling away unexpectedly. This has led to a series of solutions that not only 'guide' the vehicle into the bay once it arrives, but also effectively 'locks' it there until it is safe to be released, with clear and simple 'green/red' lighting system indicates to the driver – and the loading bay workers – that it is safe to continue.

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Manual Ergonomic V

Manual Vehicle Restraint



The Manual Ergonomic Wheel-Lok, or MEWL for short, is our new manual vehicle locking system. It provides reliable and effective protection against unintentional truck departures and trailer creep during loading and unloading operations at the loading point. Once the truck has docked at the loading point, the system is operated by the driver or the loading personnel on site.

The locking arm, mounted on a smooth-running slide, is positioned along the guide rail directly in front of the wheel to be secured. When the control lever is pressed, the arm moves forward and locks into place in front of the tire. Once engaged, the arm cannot be released from the outside—it can only be unlocked after receiving a signal from the control box inside the building.

Automatic Vehicle Restraint

ADVANTAGES OF THE MEWL

- » Simple and intuitive operation, even without training
- » Ergonomic and easy to handle – no bending, no physical effort
- » Robust design, resistant to damage
- » Weatherproof and temperature-resistant, no contact between mechanism and ground
- » Safe even in case of water accumulation at the dock
- » Virtually maintenance-free and cost-effective to maintain
- » System meets FEM* Class 3 requirements for fully loaded trailers
- » Full 24-month warranty; extendable to 60 months – ask your Rite-Hite sales partner!



The Global Wheel-Lok™ is an extremely simple and effective solution to prevent accidents caused by early departure and creeping trailers at the loading dock. The system offers a highly versatile design for companies that handle a wide variety of trailer configurations at their loading bays.

The Global Wheel-Lok™ secures nearly all types of trailers and uses the reverse energy of the vehicle for activation. When docking, the truck is positioned between wheel guides, and the rear wheel triggers the locking arm, which automatically adjusts to the tire size and restrains the truck with up to 142 kN of holding force.

Red and green signal lights indicate the loading status, thereby increasing safety. After loading, the vehicle can be released using the unlock button.

The system can be integrated with dock levelers, doors, safety barriers, and building security systems. It is the only restraint device in Europe that exceeds FEM Class 3 requirements for both loaded and empty trailers.



ADVANTAGES OF THE GWL

- » High holding force: >115 kN pull force, FEM Class 3 (even when loaded)
- » Low maintenance: few parts, weatherproof, easy to service
- » Automatic locking: adapts to all tire sizes
- » Precise positioning: wheel guides center the vehicle and protect the door
- » Clear signals: LED traffic light, sound, and signage
- » Safety integration: reports tampering to building system
- » Flexible integration: compatible with doors, dock levelers, safety barriers, etc.

Rite-Hite® – about us

When it comes to loading bay safety, energy savings and climate and cooling solutions for warehouses and distribution depots, Rite-Hite® can rightfully claim to be an expert. It has deep roots, having been founded in Milwaukee, Wisconsin by Arthur K. White in 1965. It quickly gained prominence amongst the manufacturers of loading bay equipment, and in 1980 launched its iconic DOK-LOK® trailer restraint. But Rite-Hite is more than just a loading bay business; Rite-Hite's longstanding reputation for safety, quality and innovation has been enhanced

through the constant introduction of unique products for the industrial facility, with industrial doors, safety barriers and fans designed and proven to significantly improve safety, security, productivity, energy savings and environmental control. Rite-Hite employs 2,500 people worldwide and works with more than 30 representative organisations in 100 locations across North America, South America, Europe and Asia. To find your local representative and discover more, visit: www.ritehite.com



RITE-HITE PRODUCT SOLUTIONS

- ▶ VEHICLE RESTRAINTS
- ▶ LOADING DOCK LEVELLERS
- ▶ DOCK SEALS AND SHELTERS
- ▶ INDUSTRIAL DOORS
- ▶ INDUSTRIAL FANS
- ▶ BARRIER SAFETY SYSTEMS
- ▶ LOADING DOCK ACCESSORIES

RITEHITE
ALWAYS LOOKING AHEAD

Rite-Hite GmbH
Carl-Zeiss-Str. 3
34471 Volkmarsen
Germany
Tel. +49 5693 9870-0
Fax +49 5693 9870-20

Rite-Hite UK
Unit 2, D2 Trading Estate
Castle Road
Sittingbourne ME10 3RH
United Kingdom
Tel. +44 1795 842370

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