

# NOVA TECHNOLOGY™

... YOUR PARTNER IN  
**LOADING DOCK SAFETY AND EFFICIENCY SOLUTIONS**



**NOVA OMNILOCK™ VEHICLE RESTRAINTS**

# NOVA OMNILOCK™ VEHICLE RESTRAINT



## New Patent-Pending Hook Design To Release "RIG WEDGE"

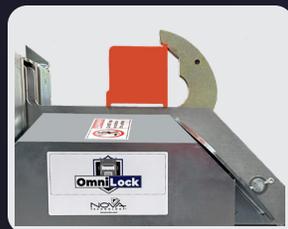
The NOVA OmniLock™ is a rotating hook-style vehicle restraint featuring an innovative patent-pending design to release RIG Wedge. RIG Wedge occurs when a trailer is pushed forward during loading or unloading, applying excessive pressure to the restraint's hook from the trailer's Rear Impact Guard (RIG). As a result, the truck driver must reverse the trailer to release the restraint. The newly designed hook operating mechanism allows the restraint to overcome RIG Wedge by relieving pressure on the hook when it disengages from the trailer's rear impact guard, allowing the hook to rotate down. The OmniLock also utilizes a secondary engagement zone to securely restrain RIGs with plates, including Intermodal chassis.

### Features and Benefits:

- Hook design enables the restraint to overcome "RIG Wedge" by relieving pressure on the hook from the RIG as it disengages
- Secondary engagement mode safely and effectively restrains RIGs with plates including Intermodal chassis
- Secures all standard RIG bars, including rectangular, pentagonal, 4-1/2" reinforced RIG bars, and RIG bars with plates, including Intermodal chassis
- Hook is rotationally upward biased and will continuously secure the RIG when a trailer shifts while restrained, even if power is lost
- Hook extends when releasing to ensure proper disengagement from the docked trailer even when "RIG Wedge" occurs
- Automatically resets hook if the trailer is not properly restrained
- PLC-based control box provides maintenance diagnostic
- Roller slope extension eliminates gouging and marking on the dock approach surface
- Compatible with interlock and combination control boxes for integration with doors, gates, and levelers
- Standard bypass and override feature is password-protected for use by authorized personnel only
- LED lights are standard for energy efficiency and long life
- Includes a 5-year structural warranty



*Secures RIG bars with plates, including Intermodal chassis*



*Secures 4 1/2-inch Reinforced RIG bars*



*Secures Pentagonal RIG bars*



*Secures Standard RIG bars*

01

**Exceptional Versatility**

The OmniLock secures all standard types of RIG bars and RIGs with plates like Intermodal trailers. Its low-profile 9-inch carriage works with all standard trailers. Engagement range extends from 9 to 31-inches above the ground.

02

**Robust Performance & Durability**

The motor is IP67 compliant with watertight connectors and corrosion-resistant zinc plating.

03

**Reliable**

Withstands a pull-away force of over 38,000-pounds and helps prevent premature departure, trailer creep, landing gear collapse, trailer pop-up and trailer up-ending.

04

**Easy To Use**

The spring-loaded carriage lowers with truck contact, and the restraint is operated by a control panel mounted inside the building.

05

**Optional Features**

- IntelliDock Combination control box
- Open dock stanchion for control box
- Articulated slope extension
- Projection brackets and reinforcing plates
- Green light interlock with leveler, door, or gate
- Password protected hook release

06

**Communication System**

- **Outside Signal Lights and Control Box LED Lights:** Indicates the restraint status
- **Audible Alarm:** Alerts the dock attendant to potentially unsafe conditions
- **Horn Override:** Customizable keypad allows override sequence to be password protected



*Outside signal lights*



*Enter on green safety sign*



*Move on green safety sign*



*Control box*

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# LOADING DOCK EQUIPMENT PRODUCTS BUILT FOR SAFETY, RELIABILITY AND STRENGTH



## VEHICLE RESTRAINTS

The most effective way to prevent accidents caused by trucks and trailers from prematurely pulling away from docks during loading and unloading.



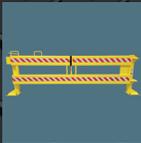
## DOCK LEVELERS

Allow forklifts to make a smooth, safe transition between loading dock and trailer, reducing the effects of dock shock and the jarring that occurs when a lift truck crosses between the warehouse floor and trailer bed.



## SEALS AND SHELTERS

A wide variety of designs to fit your facility's needs for vehicle type, door size, dock height, driveway grade, dock traffic and weather conditions.



## SAFETY BARRIER PRODUCTS

Reduce your risk of injury as well as damage to your building, equipment and products.



## LOADING DOCK ACCESSORIES

Comprehensive line of loading dock accessories and loading dock aftermarket products to improve safety, productivity, security and environmental control.

Since 1986, NOVA has been providing innovation and reliability to the loading dock industry. We manufacture and distribute a comprehensive line of vehicle restraints, mechanical, air-powered and hydraulic dock levelers, edge-of-dock levelers, dock seals and shelters, safety barrier products, and other loading dock accessories to improve safety, productivity, security and environmental control.

For a dealer in your area or for additional information on routine service, preventative maintenance, product questions, or to request a quote, contact NOVA Technology.



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