

# NOVA TECHNOLOGY™

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



**NOVA LOCK & LOAD™ VEHICLE RESTRAINTS**

# NOVA LOCK & LOAD™ VEHICLE RESTRAINT



## FEATURES AND BENEFITS

- Roller slope extension eliminates gouging and marking on the dock approach surface
- Non-contact magnetic proximity sensors provide robust, high-durability, and long-lasting performance
- Mechanical limit switch system available as an option for hard-wire relay control boxes
- Gear motor operates for a total of three seconds for the full cycle of restraining and releasing a vehicle
- Only uses electricity when engaging or disengaging the rotating hook
- Hook maintains engagement with the RIG, even if power is lost
- PLC-based control box with integrated maintenance diagnostics; optional with CB-20/21
- Control box includes key pad code for override as standard
- LED lights are standard for energy efficiency and long life
- CB-00 control box enables interlocking of the dock leveler, door, and gate.
- Includes a 5-year warranty

The NOVA Lock & Load™ is a hook-style vehicle restraint that secures the trailer's rear impact guard (RIG) at the dock to reduce the risk of premature departure and trailer movement during loading and unloading. Its spring-loaded housing lowers with truck contact, and the carriage automatically adjusts with trailer float. The Lock & Load™ has an enhanced design with a patented Triple Range Hook that outperforms competitor hook-style restraints.

- Secures RIG bars that are rectangular, pentagonal and feature 4 1/2-inch vertical center plates
- Triple Range Hook safely secures RIGs while the hook is at various heights
- Elevated hook shank maintains engagement and eliminates false-negative RIG bar sensing from gaps created by carriage bounce
- Exclusive gear motor with a one-way braking system keeps the hook continuously engaged when properly maintained
- Hook is upwardly biased and rotates to increase engagement if contacted by the RIG when trailer shifts during loading and unloading

### EXCEPTIONAL VERSATILITY

The Lock & Load™ Triple Range Hook secures RIG bars that are rectangular, pentagonal and feature 4 1/2-inch vertical center plates. Its low-profile 9-inch carriage works with all standard trailers. Engagement range extends from 9 to 31-inches above the ground.

### ROBUST PERFORMANCE & DURABILITY

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

### RELIABLE

Withstands a pull-away force of over 32,000-pounds and helps prevent premature departure, trailer creep, landing gear collapse, trailer pop-up and trailer up-ending.

### EASY TO USE

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

### OPTIONAL FEATURES

- IntelliDock Combination control box
- CB-20/21
- Open dock stanchion for control box
- Articulated slope extension
- Projection brackets and reinforcing plates

### 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



*Designed to secure pentagonal RIG bars*



*Engages reinforced RIG bars with 4 1/2-inch vertical center plates*



*Secures standard trailers and any vehicle with an open RIG bar*



**1-800-236-7325**  
[www.novalocks.com](http://www.novalocks.com)



**WARNING:** This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# 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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