

GMR **POWERCHOCK™** SYSTEM 5

We make it simple to be safe



5

The Powerchock™ System 5 is the top of the line model of the Powerchock™ System family of products, offering an unsurpassed level of safety. This model includes the restraint mechanism, a complete communication system, control and detection systems that allow full integration with other door and dock leveler systems.

The Powerchock™ System combines the ultimate level of safety and universal compatibility with the lowest total cost of ownership in the industry.

POWERCHOCK™ SYSTEM 5

System Components

The Powerchock™ System is composed of a large steel chock attached to an articulated counter-balanced arm. The chock is placed in front of the vehicle's rear wheel and locks onto a ground plate.

The communication system consists of three (3) sensors (arm, wheel and dock), an alarm, and interior and exterior signal lights that provide a clear signal to both dock employees and truck drivers that it is safe to begin loading or unloading operations.

Key Advantages

- ▶ Highest level of safety
 - ▶ Universal compatibility
 - ▶ Excellent value
 - ▶ Greater restraining force
 - ▶ User friendly
 - ▶ Interlocks with other systems
 - ▶ Not affected by extreme weather conditions
 - ▶ Maximizes productivity
 - ▶ Environmentally friendly
- Simple, reliable operations.
 - Fits 100% of vehicles. Not dependant on RIG bar.
 - Offers industry's lowest Total Cost of Ownership.
 - Restrains the wheel instead of the RIG bar.
 - Quickly and easily set by driver in less than 30 seconds.
 - Works with existing dock levelers and door safety systems.
 - Conceived to endure extreme winter conditions.
 - Ingeniously designed to minimize maintenance costs and downtime.
 - Does not use toxic fluids; consumes minimal energy.

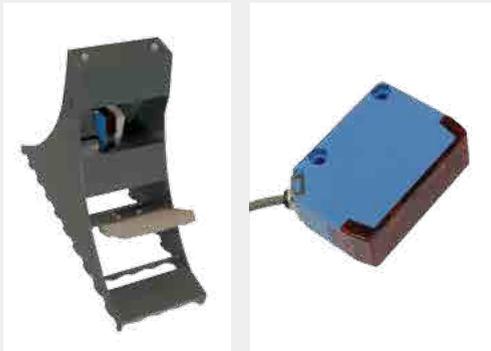


Product Highlights



Unsurpassed Restraint

Simple physics: truck's weight pushes chock teeth into robust ground plate grid.



No Chock – No Loading

Hydraulic levelers: wheel sensor must detect wheel for dock leveler to be enabled and loading process to begin.

Mechanical levelers: exterior alarm triggers if dock leveler is raised before chock is set.

Sensor Detects Proper Chock Position

Physically-protected non-contact wheel sensor ensures proper chock position.

Easy to Set - Flexible

Chock handle is ergonomically positioned on spring-counterbalanced arm and chock can be set as far out as 14 feet from loading dock.

Solid Components

Chock is made of hardened steel, 4 times stronger than conventional steel. Ground plate comprised of series of robust grids to clamp chock.



Superior Steel Protection

Ground plate and arm are hot-dipped galvanized at over 800 degrees Fahrenheit. Chock has double protection: Electroplated and powder coated.

Designed for Winter

Chock is designed to break through ice and snow using the weight of the truck. Snow removal is easy with optional All-Direction Ground Plate, equipped with angled steel ramps on all sides. Steel deflector tabs extend below ground level to deflect edges of plows over steel ramps. Close to twenty years of operation in winter climate.

Self Monitoring Diagnostic Control System

Complete electrical system (lights, sensors and alarms) is monitored year round, 24/7. Workers are alerted by "chirp" from control panel every 30 seconds when there is deficiency in the system.

Built in "Trace Mode" Allows Quick Visual Inspection Checks

With just a flip of a switch, maintenance personnel can check all lights and sensors for proper operation in just seconds.

Virtually eliminates field errors

All units are pre-assembled, pre-wired and tested at the factory for quality control and minimum installation time. High quality anchors, fasteners and brackets supplied for standard installation

Quality Engineering Reduces Total Cost of Ownership



A simple safety sequence

A few easy steps provide ultimate safety

- 1. Inside light is red / Outside light is green. Driver backs into loading dock.**
- 2. Driver takes Powerchock™ handle and extends arm toward wheel.** Arm sensor detects extension; outside light turns red. Driver sets chock on ground plate in front of wheel; photo eye sensor inside chock detects wheel.
- 3. Dock Interface: driver sets chock; amber pilot light activates inside warehouse.** Hydraulic levelers: wheel sensor must detect wheel for dock leveler to be enabled. Mechanical levelers: exterior 100-decibel alarm triggers if dock leveler is raised before chock is set.
- 4. Raised dock leveler turns inside light green,** indicating go-ahead for safe loading/unloading operations.
- 5. When operations are completed, dock leveler is lowered to stored position.** Interior light turns red, and exterior lights flash alternately red-green to signal the truck driver that he can remove Powerchock™.
- 6. Chock removed:** outside light turns green so driver knows he can depart safely.

If chock is removed while loading or unloading, exterior alarm and interior buzzer warn that an unsafe situation is occurring.

This simple sequence maximizes safety for loading and unloading operations.

Warranty

Powerchock™ System vehicle restraint is guaranteed to be exempt from defects in fabrication and components if used properly and as intended, for a period of one (1) year following delivery date, and includes a three (3) year limited warranty on the chock and ground plate.

Simple, reliable system made with high quality components makes for a wise long term investment.

