

VEHICLE RESTRAINT

Effective trailer separation protection

Reliable restraint helps protect against early departure, trailer creep and dock walk that can lead to hazardous dock accidents.

Services wide variety of trailers

Low-profile unit has 10" (254 mm) stored height to accommodate declined approaches and most rear impact guard (RIG) heights.

Easy to operate

Simple control rod is used to manually activate barrier. Inside and outside lights automatically change to indicate locked status.

Reliable protection

4-¼" (108 mm) high angled, vertical barrier securely restrains trailer RIG .

Safe, constant contact

Gas spring provides constant tension against RIG , maintaining consistent engagement during loading and unloading. Especially important with air-ride trailers.



General description:

The manually-activated verticle barrier restraint is designed to secure a semi-trailer to a loading dock by engaging the trailer's rear impact guard (RIG) with a large, vertical barrier. A sealed gas spring positions the barrier after a truck is backed into the dock. The barrier is activated with the use of an operator control rod.

Electrical/Controls:

The restraint requires a power source of 230 volt, single phase with a 1 amp service requirement per unit.

Operation:

After the truck is backed into the dock, the dock attendant reaches down with a control rod and inserts it under a lifting bar. Attendant raises the barrier to secure trailer to the dock. When RIG is secured, inside lights on control panel automatically change to green; outside communication lights change to red. In the event a RIG is not secured, inside/outside lights flash red and an audible alarm sounds. Barrier provides a holding force in excess of 32,000 lbs (14,500 kg). Base of barrier maintains constant contact with the RIG and adjusts automatically with trailer float motion to ensure proper engagement at all times during loading and unloading operation. After servicing is complete, the dock attendant inserts the control rod onto the barrier and pushes it to its stored position. Attendant pushes unlock button to change inside lights back to red and outside lights back to green.



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