

# Pentalock LPR35 Vehicle Restraint Safety System

*Rugged Construction for Superior Performance*



The Pentalock LPR35 Vehicle Restraint Safety System is a face-mount, non-impact safety system. The wide restraining face on the Pentalock LPR35 Vehicle Restraint Safety System helps to spread out the forces over the Rear Impact Guard (R.I.G.), improving the strength relationship between the two. Electro-hydraulic activation offers reliability and the flexibility to interlock the vehicle restraint operation to that of other dock equipment, i.e. dock leveler, overhead door, inflatable dock seal or truck shelter, etc. Stepped hook arrangement provides dual locking positions to restrict truck/trailer movement. A heavy-duty steel guard protects the restraint from impact damage caused by truck/trailers or yard cleaning equipment while providing a low height of 8 3/4". A drawbar rating of 35,000 lb. provides the strength to restrain virtually any R.I.G. on a truck/trailer. A high-visibility, two-way communication system provides communication between the operator and the driver. Instruction signs are also part of the system. All Pentalift Vehicle Restraints are factory tested before shipping.

## Communication System Components



## Operation

When in the stored position, the exterior light shows green (ready to receive a truck/trailer), while the interior light on control station shows red (unsafe to load/unload). Once the truck/trailer is in position, the operator turns the switch on the control station to Engage. The exterior light changes to red (no departure). The arms rise until contact is made with the truck/trailer's R.I.G. causing the interior light on the control station to change to green indicating that contact and engagement with the R.I.G. has been made. When no contact is made, a warning buzzer sounds and the switch on the control station is turned to Override (alternate chocking methods will need to be used). When loading/unloading is complete, the operator turns the switch to Disengage. When fully lowered, the exterior light changes to green and the interior light on the control panel changes to red. The truck/trailer can depart.



## Specifications

Vehicle Restraint Safety System to be the Pentalock Model LPR35 as manufactured by Pentalift Equipment Corporation. Vehicle Restraint(s) is to be a non-impact design with an operating range of 8 3/4" to 26" and a restraining capacity of 35,000 lb. Operation shall be electro-hydraulic with a remote power unit. The power supply is to be \_/\_/\_. Controls shall be a remote, wall mounted control station. The design shall also include a heavy-duty, removable steel guard. Stepped hook arrangement providing dual locking positions. All external limit switches are to be water resistant. Vehicle Restraint(s) to be supplied with a high-visibility, two-way communication system. Internally, there is to be a three light display (red/amber/green) and an instruction sign. Dual image caution signs and an LED style outside deluxe lights (red/green) are to be supplied for external installation. Vehicle Restraint(s) to have a warning buzzer to signal when the restraint does not engage the truck/trailer's R.I.G. Vehicle Restraint(s) to have Pentalift gray finish.

## Vehicle Restraint To Be Equipped With The Following Available Options (Specify):

- weld plate for cast in concrete installation
- zinc plating
- power failure release
- interlocked to other loading dock equipment

*Refer to Product Bulletin D021 for more detailed information. Consult a Pentalift Sales Representative for additional information or equipment recommendations.*

Note: Some photos may reflect products with optional features. All Pentalift Equipment products are subject to design improvement through modifications without notice.

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