



# Engineered for Safety

## Pentalift Model MFRAL32 Mechanical Vehicle Restraint

### Maximum product value in preventing loading dock accidents

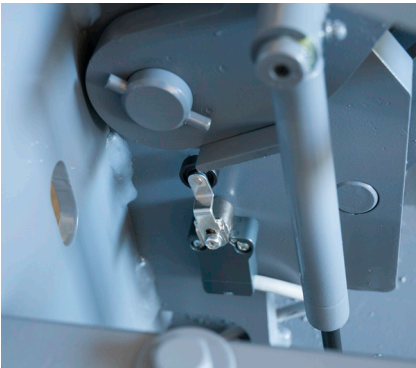
The Pentalift model MFRAL32 vehicle restraint offers rugged design, simple operation, minimal maintenance and maximum product value. The Pentalift model MFRAL32 vehicle restraint is a practical solution to loading dock safety concerns. The simple and reliable operation promotes continued use by the dock attendant. It's mechanical design makes the restraint easy to both install and maintain. The 10-1/2" lowered height accommodates new trailers with increasingly lower rear impact guards. The restraint includes an automatic light package (see reverse page for details). The light package switches automatically when the restraint is released for engagement.

Operating "T" handle is utilized to activate and disengage the MFRAL32 vehicle restraint. Handle contact area is painted white making it easy to see in darker environments.

Gas shock activation provides simple effective operation and allows automatic height compensation over the entire operating range. The gas shock is designed to function in the most extreme weather conditions.

Computer optimized lowering mechanism allows low effort disengagement of the restraint in conjunction with lowering handle.

Heavy - duty mounting plate ensures simple yet secure installation.

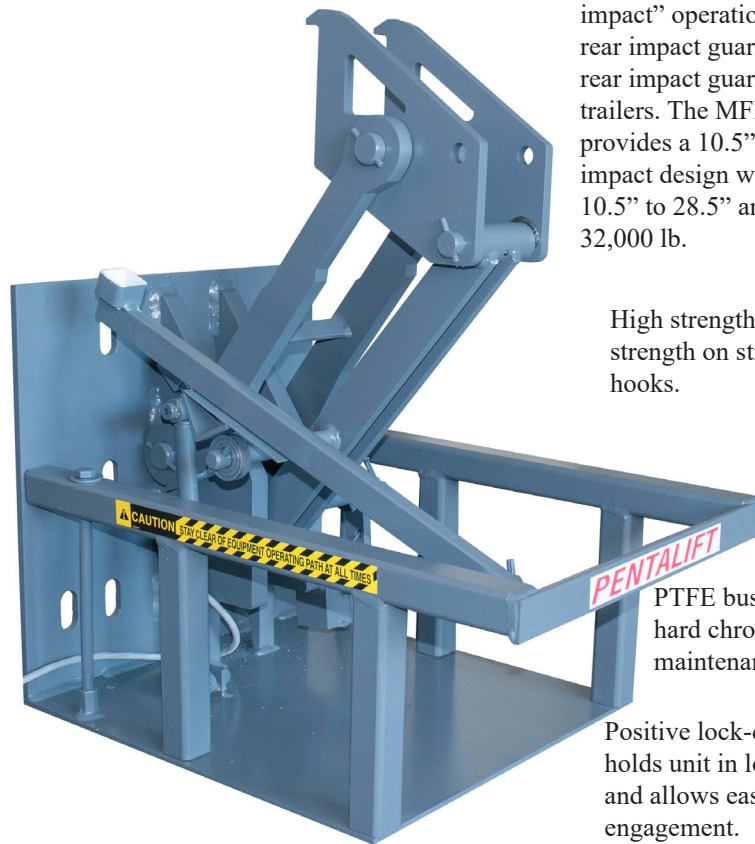


The NEMA6 watertight and corrosive duty limit switch ensures reliability. The limit switch automatically switches the inside and outside communication lights when the restraint is activated to the engaged position.

Flood resistant design. The restraint is capable of being submersed for shorter periods of time.

### Features and Components

32,000 lb. restraining capacity.



**10-1/2 inch lowered height** facilitates "no impact" operation. Accommodates vehicle rear impact guards and meets 1998 NHTSA rear impact guard bar regulations for trailers. The MFRAL32 Vehicle restraint provides a 10.5" lowered height. It is a non-impact design with an operating range of 10.5" to 28.5" and a restraining capacity of 32,000 lb.

High strength, 100,000 PSI yield strength on structural steel arms and hooks.

PTFE bushings in combination with hard chrome plated pins for reduced maintenance on all pivot points.

Positive lock-down mechanism holds unit in lowered position and allows easy release for engagement.

Note: Restraint is shown in the raised position.

"Open" design allows dirt and debris to naturally move away from restraint components as opposed to competitive designs with boxed in housings that retain and hold dirt and debris that fall into the restraint.

## Automatic Communication Light System Standard on MFRAL32



The control panel and exterior lights are included with the MFRAL32. The NEMA 12 interior control panel is shown on the left. The panel is equipped with manual override mode. The exterior traffic light and signs are shown on the right. The lights are switched automatically when the restraints is released for engagement. All lights are LED for extended trouble free life and energy efficiency.

## MFR32 base unit Vehicle Restraint without Automatic Communication Light System



The MFR32 vehicle restraint offers all the same features shown on the first page for the MFRAL32 with the exception of the limit switch and automatic communication light system.

## Optional Manual Communication Light System for MFR32 vehicle Restraint



A manual communication light system is available. The system includes a control panel, instruction placard, and the exterior traffic light and signs as shown above.

**Other available options include:** Zinc plated finish, Handle storage bracket.

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 modification without notice.

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