

VEHICLE RESTRAINTS



Serco Vehicle Restraints have introduced a new level of safety and security to loading docks in thousands of warehouses and distribution centers by integrating powerful and effective restraints with instantaneous, clear, non-verbal communications systems.

Get A Lock On Safety with Serco.

The loading dock is a high-risk area for on-the-job accidents. Leading causes: premature departure, trailer creep and trailer walk. That's why the Occupational Safety & Health Administration (OSHA) regulation 29CFR 1910.178(k)(1) stipulates that all trucks must be restrained throughout loading and unloading operations.



The Traditional Solution (and why it doesn't work).

Traditional solution, conventional rubber wheel chocks, offer little protection against the common causes of loading dock accidents. Trucks can drive right over them, in wet and icy conditions they can slip and, most often, dock attendants don't position them properly or fail to use them altogether.

The Solution. Serco SL Series Restraints.

The solution is the Serco SL series vehicle restraint. It has a technology that locks on tight, engaging a trailer's rear impact guard and securing it more effectively than rubber wheel chocks. This provides forklift operators with a solid and secure platform for moving goods.

KEEP VEHICLES IN PLACE.

Serco SL Series vehicle restraints, available in both mechanical and powered models, are at the forefront of technology to provide design simplicity, the fewest moving parts, minimal maintenance and easy operation.



A VEHICLE RESTRAINT FOR EVERY APPLICATION.

Serco SL series restraints are available in a variety of models to suit virtually any loading dock operation or configuration in the industry.

SL SERIES MECHANICAL RESTRAINTS

SL Series Mechanical Restraints are manually activated and offer lower day-to-day operating costs, higher up-time performance and operational simplicity. Most units can be combined with a light communication package for clear communication.

SERCO SL SERIES VEHICLE RESTRAINTS SAFE. SECURE. SMART

The rugged, low profile, non-impact design of the Serco SL series provides predictable performance capable of engaging virtually any rear impact guard configuration to ensure the highest level of safety, versatility and reliability at the loading dock. With its 9" stored height, the SL series is an ideal solution for truly low-profile applications such as decline approaches and special trailer configurations.

PRODUCT DETAILS

- Non-impact design
- Dual locking positions at 7" and 11" from bumper face
- Wall or ground mount
- Low profile, 9" stored height
- Minimal maintenance requirements
- Superior communication; advanced safe engagement signaling
- Solid State/PLC Controls
- Standard LED interior & exterior communication lights (SL20-90 models only)

COMMON DOCKING SAFETY MISTAKES:



Premature Departure: A common accident at the loading dock. Sometimes truck drivers think loading is complete, or simply connect the wrong trailer and pull away while the dock attendant is still loading.



Trailer Creep: Constant impact of start/stop action of a fully loaded forklift can cause the trailer to creep forward inch by inch, beyond the reach of the leveler lip, causing the leveler to slip off the back of the trailer and drop suddenly.



Trailer Walk: During loading, air-ride trailer suspensions have a tendency to move in an elliptical fashion as forklifts drive in and out of the trailer, causing it to "walk" away from the dock.



SL SERIES POWERED RESTRAINTS

SL Series Powered Restraints provide automatic push-button activation with advanced electronics and communication systems for increased dock safety and security. Driveway- or wall-mounted units available.

SL SERIES SLP RECESSED RESTRAINTS

A hydraulically actuated, retractable, non-impact restraint ideal for new construction or remodeling applications. The SLP is installed in a pit under the leveler and, when retracted, offers a clean dock face allowing unobstructed access to smaller delivery vehicles, trailers with hydraulic lift gates and an open drive for unimpeded snow plowing or drive cleanup.



4Front Engineered Solutions reserves the right to change specifications and designs without notice and without incurring obligations.

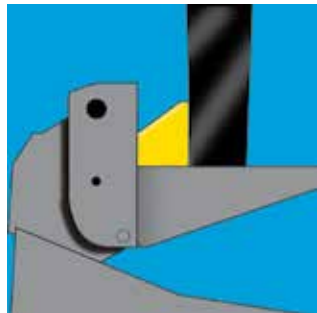


PATENTED DUAL-LOCKING POSITIONS:
Minimized Running Room. Maximum Safety.

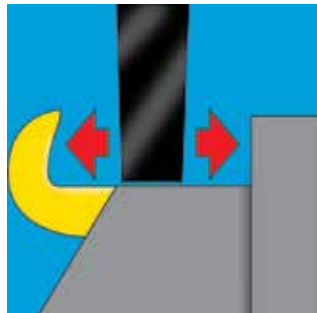
Serco SL series restraints feature dual locking positions at 7" and 11" from the face of the dock bumpers. The unique dual locking design restricts trailer movement while providing additional horizontal range for recessed, wider and bent rear impact guards. Serco SL series restraints can effectively engage virtually any rear impact guard configuration.



The Serco system's primary locking position provides a captive reach up to 11" to engage wide, recessed or bent rear impact guards and limits trailer movement.



The Serco system's secondary locking position limits trailer movement or creep away from the dock as much as 50% more effectively than competitive systems.



Rotating Hook systems feature a single-position lock that rotates to a horizontal position. Typical engagement can allow up to 7" of trailer movement with a standard rear impact guard.

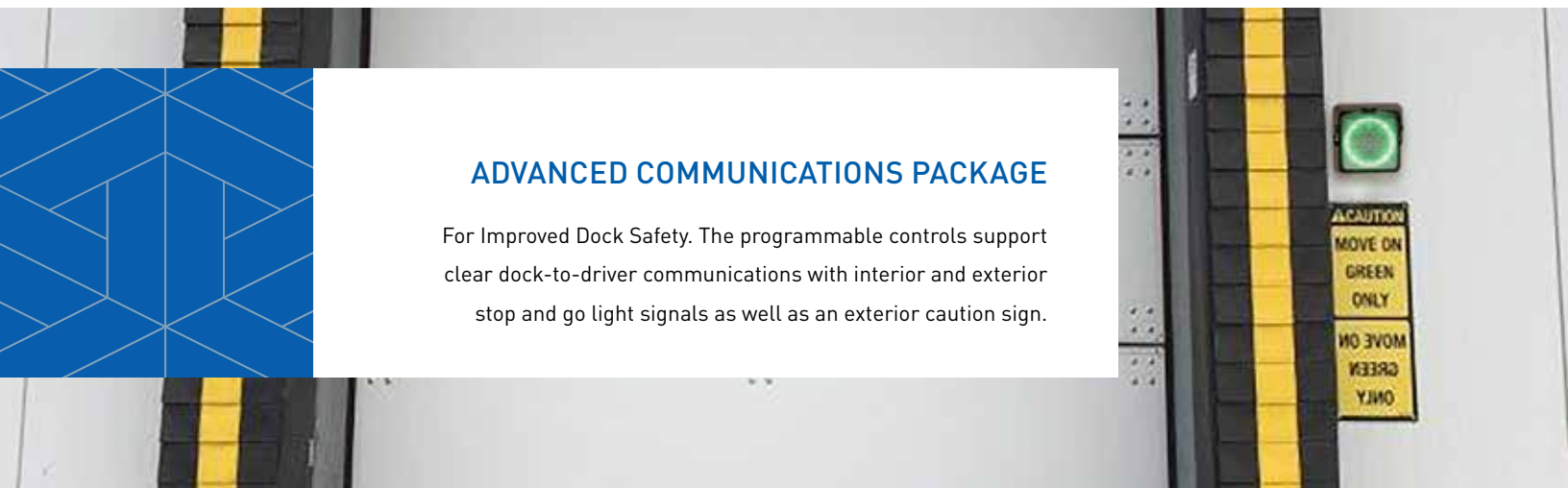
PROGRAMMABLE ELECTRONIC CONTROL SYSTEM:
UNMATCHED SAFETY & FLEXIBILITY AT YOUR FINGERTIPS.

The Serco Restraint Control Panel is a streamlined, easy-to-use interface for operating trailer restraints at the dock. The innovative and streamlined restraint control features a thin, space-saving profile as well as a singular NEMA 4X rated LED Composite Light with multiple display ability. This bright, easy-to-understand indicator light alerts drivers and workers to the state of the dock before taking action.



Advance wiring board technology significantly saves interior panel space making room for additional options and integration of other dock equipment controls into the same panel.

Advanced Safe Engagement Signaling SL series restraints are available with advanced safe engagement signaling to detect positive engagement of the locking arm. If contact is not made or is lost during the loading process, the restraint automatically returns to the stored position and signals the operator by flashing amber and red LED warning lights on the control panel.



ADVANCED COMMUNICATIONS PACKAGE

For Improved Dock Safety. The programmable controls support clear dock-to-driver communications with interior and exterior stop and go light signals as well as an exterior caution sign.



Security Keypad Lockout/Override.

A numeric keypad option is available on powered SL series restraints to provide security lockout/override, which restricts releasing of the restraint to authorized users with security code access only.

Interlocking Capability: All powered restraint functions are controlled from the standard push-button control panel or as a component of a Combo or Master Control Panel. Restraint controls can be interlocked with other dock functions such as building security, door operators and dock levelers to prevent operation unless the vehicle is secured safely.

PICK THE VEHICLE RESTRAINT THAT FITS.

Serco provides a complete line of non-impact, low-profile restraints to fit virtually any application and budget.

COMMUNICATION SYSTEM:	SL10	SL20	SL40	SL60	SL70	SL80	SL90	SLP
Manual light communication.		●						
Advanced safe engagement signaling.			●	●	●	●	●	●
Automatic light communication package.			●					
Interior & exterior LED communication lights.		●	●	●	●	●	●	●
Advance communication package.				●	●	●	●	●
FEATURES:								
Low profile, non-impact design.	●	●	●	●	●	●	●	●
Dual locking positions at 7" & 11".	●	●	●	●	●	●	●	
Driveway mount capability.	●	●	●	●	●	●	●	
Compatible with 1998 NHTSA ICC bar regulations.	●	●	●	●	●	●	●	●
Auto-reverse (if no RIG).				●	●	●	●	●
Recessed, non-impact design.								●
Programmable controller (PLC).				●	●	●	●	●
Trailer presence sensor.					●	●		
Automatic engagement.						●		
Digital monitor.							●	
Key pad lockout override.							●	



SERCO HMI MASTER CONTROLS: THE ULTIMATE IN PERFORMANCE AND SAFETY.

Managing your loading dock operation as an integrated system is key to ongoing dock safety. The digital master control panel requires dock workers to operate equipment through a guided sequence, minimizing operator error, training time for seasonal staff and turnover rates.



1612 Hutton Dr., Suite 140
Carrollton, TX 75006
800.933.4834
www.sercodockproducts.com

4Front Engineered Solutions reserves the right to change specifications and designs without notice and without incurring obligations. 4Front Engineered Solutions products may be the subject of one or more U.S. and/or foreign, issued and/or pending, design and/or utility patents. Serco as word and logo are registered trademarks belonging to ASSA ABLOY Entrance Systems AB or other companies controlled by the same organization. All rights reserved.

©ASSA ABLOY. All rights reserved. Part of ASSA ABLOY. Printed in USA. Form # SCB-RV00-0321