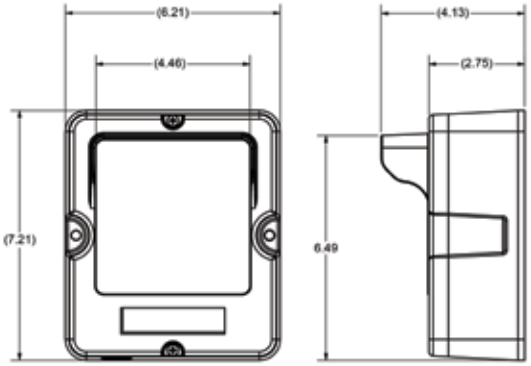
Stop-Tite® Manual Vehicle Restraint

Specification Sheet & Submittal

Shown to the right are Control Panels, Lights and Signs that are part of the Optional Dock Alert or upgraded iDock Alert Communication Systems

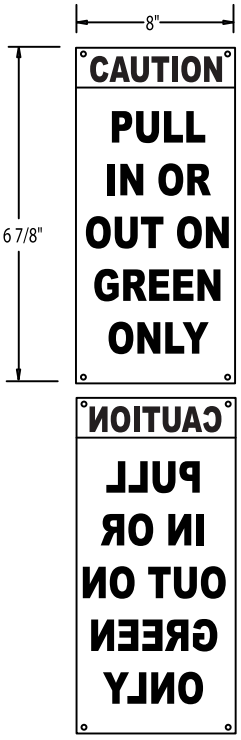
Optional Upgraded iDock Alert
(Size varies with options)

Optional Dock Alert
(Size varies with options)



OSLA (Outside Light Assembly)

Inside Signage



Outside Signage

Standard Features

Manually-activated restraint	Optional Dock Alert light communication
Low profile, non-impact design (wall or driveway mount)	Optional upgraded iDock® 2.0 Controls with dynamic message display
Restraining force in excess of 32,000 lbs.	Optional iDock 2.0 Controls connected online with optional myQ® Enterprise
Zinc-plated unit provides high corrosion resistance	Designed and manufactured in the USA

General Description

All McGuire® Manual Stop-Tite® (Stop-Tite (M)) vehicle restraints are designed to secure a cargo trailer's Rear Impact Guard (RIG) to reduce the likelihood of premature trailer separation during the loading/unloading process. The exclusive Stop-Tite vehicle restraint features a complete mechanical restraint mechanism, activation rod and storage bracket, along with communication signage. An optional Dock Alert or upgraded iDock Alert Communication System, including iDock inside control panel and exterior communication lights, is also available.

Exterior Lights

Low profile, traffic style, red, and green LED lights are standard for communication to truck driver. A set of caution signs warns truck driver to "Back In or Pull Out On Green Light Only".

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Construction

The Stop-Tite® (M) restraint system is designed to be a stationary mount, non-impact device, permanently mounted to loading dock foundation or drive approach. Restraint shall be preserved in a zinc finish for all weather protection. Restraint arm shall be preserved in a highly visible zinc dicromate finish that is highly resistant to corrosion and protected by a bellow style cover to eliminate the accumulation of debris. Once activated, the Stop-Tite (M) extends upward to the RIG. The uniquely designed restraint arm secures the trailer with over 32,000 lbs. of pull-out force. The Stop-Tite (M) is affordable and easy to install. It is ideal for all manufacturing, warehouse and distribution applications.

Hooking Range & Capacity

The Stop-Tite® restraint can withstand a pulling force in excess of 32,000 lbs., giving an added margin of safety and protection. Maximum operational range is 10" horizontally from face of dock bumpers, and 12" minimum to 29¼" maximum vertically. Additional ranges are available for certain applications.

Operation

Stop-Tite (M) - Restraint Only Once trailer is parked tight against dock bumpers, the dock attendant inserts one end of the operating bar under the release lever on the right hand side of the restraint and lifts up, activating the restraint. The spring loaded float assembly allows the restraint arm to move up and down with the RIG during the loading process. Dock attendant should visually inspect and confirm that the restraint has traveled vertically and has engaged the horizontal member of the RIG. The operating bar can then be returned to its storage bracket. Dock leveler may be activated and loading/unloading may begin. When loading/unloading is complete and the dock leveler is returned to its stored position, the operating bar is inserted into the top of the slide track on the restraint. The restraint arm is pushed down until the release lever locks the restraint arm. Operating bar is returned to its storage bracket.

Stop-Tite (MML) - Stop-Tite (M) with Manual Light Communication System Adding an optional simple Dock Alert or upgraded Manual iDock Alert communication system to the Stop-Tite (M) establishes a clear line of communication between truck drivers and dock personnel. At the beginning and end of a loading cycle, the dock attendant presses the Dock Alert status button. A flashing red light on the interior panel warns the dock attendant conditions are not safe for loading/unloading, while a flashing green light on the exterior wall indicates the truck is cleared to approach or depart the dock. Once the restraint has been activated and the dock attendant confirms the restraint arm has engaged the RIG, the dock attendant presses the Dock Alert status button to change the exterior light to red, warning the driver not to pull away, while the interior light will be flashing green, indicating safe conditions and to proceed with the loading/unloading.

Stop-Tite (MAL) - Stop-Tite (M) with Automatic Light Communication System Adding the automatic Dock Alert or upgraded Automatic iDock Alert communication system to the Stop-Tite (M) establishes a clear line of communication between truck drivers and dock personnel. When the restraint arm is in the stored position, the exterior light will flash green indicating the truck is clear to approach or depart the dock while the interior light flashed red warning the dock attendant conditions are not safe for loading/unloading. Once the restraint has been activated, and the dock attendant confirms the restraint arm has engaged the RIG, the dock controller will automatically change the interior light to green and exterior light to red. If the restraint is not securely engaged to the trailer's RIG, the inside light will change to red and an optional audible alarm will sound. In the bypass position, the system will communicate the fault condition on the message display, if iDock is installed, and by flashing an amber caution light.

Electrical

The Stop-Tite (M), Stop-Tite (MML), and Stop-Tite (MAL) vehicle restraint are available as a stand alone unit or combined electrically with your dock leveler selection. Electrical requirements for Stop-Tite (MML) and Stop-Tite (MAL) are 115v single phase installed in a NEMA 12 enclosure for Dock Alert and NEMA 4X enclosure for iDock Alert. All electrical control panel components, connections and wiring are UL listed/recognized.

Please Note: Unless specifically noted on quotation, all electrical requirements, including mounting of control box, outside lights and signs, are the responsibility of others.

Warranty

All Stop-Tite (M) vehicle restraints feature a full one (1) year base warranty on all structural, hydraulic and electrical parts, including freight and labor charges in accordance with Systems, LLC's Standard Warranty Policy. Systems, LLC warrants all components to be free of defects in materials and workmanship, under normal use, during the warranty period. This base warranty period begins upon the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier.

Order Specifications

Check Options Desired

Optional Equipment

- Manual Dock Alert (NEMA 12)
- Automatic Dock Alert (NEMA 12)
- Manual iDock Alert Communication System
- Automatic iDock Alert Communication System
- iDock 1.0 Controller (see 1.0 literature)
- Dock Leveler Interlock
- Optional Alarm
- Cantilever Bracket _____ Projection

- Low Profile 10"
- Embed Plate ___Wall ___Drive
- Anchor Pkg ___ Wall ___ Drive
- Control Stanchion - Open Dock
- Other _____
- Other _____
- Other _____

*options must also be selected on the iDock Controls specification sheet

Required Information

CUSTOMER	
JOB	
LOCATION	
NUMBER OF UNITS	
MODEL	
SIZE	
REPRESENTED BY	
SALES REP	

Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	
VOLTAGE / PHASE	
DRAWING #	