

# McGUIRE®

A Division of Systems, Inc.

# STOP-TITE® SERIES

## MANUAL VEHICLE RESTRAINT



- ▶ Manually activated restraint
- ▶ Low profile, non-impact design (wall or driveway mount)
- ▶ Unique dual locking restraint arm to minimize "trailer creep"
- ▶ Restraining force in excess of 30,000 lb. average
- ▶ Designed to accommodate rear impact guard (RIG) outlined in 1998 NHTSA regulation
- ▶ Protective debris guard
- ▶ Industrial powder coated finish
- ▶ 1 Year structural, hydraulic and electrical warranty
- ▶ Optional Light Communication System

**GENERAL DESCRIPTION:** All McGuire Manual STOP-TITE® (STOP-TITE M, MML and MAL) 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 Light Communication System, including inside control panel and exterior communication lights, is also available.

**OPERATION:** STOP-TITE M vehicle restraint with signs 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 MML vehicle restraint with Manual Light Communication System. Adding a Manual Light 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 positions the selector switch on the interior control panel to the "do not service trailer" position. 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 selector switch should be placed in the "service

trailer" position. In this position the exterior light will flash 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 MAL vehicle restraint with Automatic Light Communication System. Adding the Automatic Light Communication System to the STOP-TITE M establishes a clear line of communication between truck drivers and dock personnel. During normal operation the control panel switch is in the "Normal" position. 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 Light Communication System will automatically change light signal conditions. Now the exterior light flashed red warning the driver not to pull away, while the interior light flashes green indicating safe conditions and to proceed with the loading/unloading. In the "by-pass" position, the system will override the automatic feature providing a flashing red light on the exterior and a flashing green on the interior.

**CONSTRUCTION:** The STOP-TITE M, MML and MAL restraint systems are designed to be stationary mounted, non-impact devices, permanently mounted to loading dock foundation or drive approach. Restraint shall be preserved in a non-corrosive powder-coated finish with plated hardware. Restraint arm shall be protected by a bellows style cover to eliminate the accumulation of debris. Once activated, the STOP-TITE M extends upward to the RIG. The uniquely designed dual locking restraint arm minimizes "trailer creep", securing the trailer with over 30,000 lb. (average) of pull-out force. The STOP-TITE M, MML or MAL are affordable and easy to install. It is ideal for all manufacturing, warehouse and distribution applications.

**ELECTRICAL:** The STOP-TITE M, MML, and MAL vehicle restraints are available as a stand alone unit or combined electrically with your dock

# VEHICLE RESTRAINT



A Division of Systems, Inc.

# STOP-TITE® SERIES

## MANUAL VEHICLE RESTRAINT

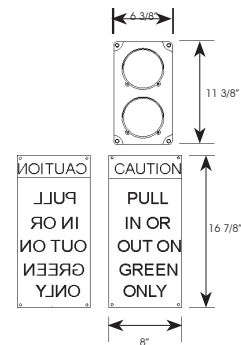
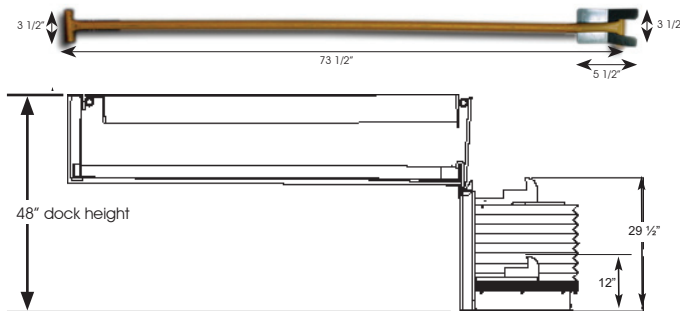
leveler selection. Electrical requirements for STOP-TITE MML and STOP-TITE MAL are 115v single phase installed in a NEMA 12 enclosure. All electrical control panel components, connections and wiring are UL listed/recognized.

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

**EXTERIOR LIGHTS:** Low profile, traffic style, incandescent red, and green 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".

**INSTALLATION:** Requires mounting of restraint unit, operating bar storage bracket, and when including the Light Communication System, control panel, exterior lights and signs, in strict accordance with McGuire installation instructions. Mechanical installation is recommended to be performed only by authorized McGuire representative.

**WARRANTY:** All STOP-TITE M, MML, and MAL 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 McGuire's standard warranty policy. McGuire 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.



### Optional Equipment for STOP-TITE® Manual Vehicle Restraint

Check Options Desired

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Manual Light                      | <input type="checkbox"/> Key lock in lieu of selector switch | <input type="checkbox"/> Anchor plate ___ wall ___ drive |
| <input type="checkbox"/> Communication System (MML)        | <input type="checkbox"/> Integrated control panel            | <input type="checkbox"/> Control stanchion for open dock |
| <input type="checkbox"/> Automatic Light                   | <input type="checkbox"/> Cantilever bracket                  | <input type="checkbox"/> Other _____                     |
| <input type="checkbox"/> Communication System (MAL)        | _____ projection   | <input type="checkbox"/> Other _____                     |
| <input type="checkbox"/> Dock leveler interlock            | <input type="checkbox"/> Low profile 10" (single stage hook) |  |
| <input type="checkbox"/> L.E.D. interior & exterior lights | <input type="checkbox"/> Embed plate ___ wall ___ drive      |  |
| <input type="checkbox"/> Limit switch for door interlock   |  |  |

Customer: \_\_\_\_\_  
 Job: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Number of Units: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 Represented By: \_\_\_\_\_  
 Sales Rep: \_\_\_\_\_

Certified for Construction:  
 By: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_

Consistent with our policy of continuing product improvement, we reserve the right to change product specifications without notice or obligation.

McGuire • Division of Systems, Inc. • W194 N11481 McCormick Dr. • P.O. Box 309 • Germantown, WI 53022  
Phone: 800.624.8473 • Fax: 262.255.9399 • www.wbmcguire.com

# VEHICLE RESTRAINT

SS SFM 2/08