

## **VEHICLE RESTRAINT**

### **MODEL 'ML10' - MECHANICAL SPECIFICATIONS:**

Vehicle restraint shall be **Model ML10** as manufactured by BLUE GIANT.

#### **TYPE:**

Manually operated non-impact design. Overall body dimension 10"W x 19"L x 10 ¾"H (254 x 483 x 273 mm) plus back mounting plate.

#### **FUNCTION:**

**Vertical Restraining Range:** From 11" to 29" (279mm to 737mm) above grade.

**Horizontal Restraining Range:** From 0" to 13" (330mm) beyond the face of the dock.

**Mounting System:** Dock face mounting using 6 wedge anchor bolts, 5/8" dia. x 6" long (16 x 152mm). Transfer of pulling force to driveway improves restraining strength by equalizing forces on anchors. Trailers rear impact guard (ICC bar) during backing in does not impact restraint body.

#### **OPERATION:**

**Operating System:** Dock attendant deploys and releases restraint arm manually with control handle supplied with unit.

**Communication Sign Package:** Exterior mirror image driver warning sign.

#### **RATED CAPACITY / DESIGN:**

Welding procedure compliant with ANSI AWS D1.1 (2008) specifications. The ML-10 unit provides a restraining force of 30,000lb (13,600kg) and mounting force of 75,000lb (34,090 kg).

#### **CONSTRUCTION AND FINISH:**

Welded structural steel housing. Restraining arm is constructed of 1" (25mm) thick steel. To resist corrosion and reduce maintenance, restraint is zinc plated and main hinge pin is made of stainless steel.

#### **WARRANTY:**

Warranties are subject to standard limitations on liability. Please consult Blue Giant warranties at <http://www.BlueGiant.com> for full details on warranty information and product registration.

#### **OPTIONAL ACCESSORIES:**

- Manual light communication package with 115VAC or 230 VAC main power feed. Includes exterior direct and mirror image driver's warning signs. Control station includes red and green indicator lights and shall be NEMA4X rated with a keyed selector switch for manual selection features. Overall dimension of control station is 5.9"W x 5.9"H x 3.57"D (150 x 150 x 91mm). Also includes LED exterior traffic lights: housing shall be one-piece, weatherproof constructed and made of ultra high molecular weight plastic. The lights shall be 4" (102mm) diameter of red and green color and measure 5"W x 11½"L x ½"D (127 x 292 x 13mm) in size. 24VDC LED lights. Exterior light is always opposite colour from interior light.
- Automatic light communication package with 115VAC or 230 VAC main power feed. Includes exterior direct and mirror image driver's warning signs. Control station includes red and green indicator lights and shall be NEMA4X rated with a keyed selector switch for manual and auto selection features. Overall dimension of control station is 5.9"W x 5.9"H x 3.57"D (150 x 150 x 91mm). Also includes LED exterior traffic lights: housing shall be one-piece, weatherproof constructed and made of ultra high molecular weight plastic. The lights shall be 4" (102mm) diameter of red and green color and measure 5"W x 11½"L x ½"D (127 x 292 x 13mm) in size. 24VDC LED lights, Exterior light is always opposite colour from interior light. Exterior sensor provided as required for application, 24VDC, proximity switch or photo-eye sensor. Extension plates to suit projected dock leveler pits and edge of dock levelers