MASS BARRIER

SAFETY / INSTRUCTIONS

The M.A.S.S. safety barrier consists of steel base sections, hot dip galvanised and then powder coated. Each base unit measures l5OOmm x 5OOmm x 420mm and weighs 60kg. Various top sections are then added as specific jobs demand.

The M.A.S.S. safety barrier is extremely quick and easy to assemble due to it's unique plug-in design. Maximum safety is achieved together with a minimum of traffic flow obstruction during the assembly period.

Detailed below are installation guidelines, which if followed will ensure a safe, quick and easy installation.

Personal Protective Equipment

During the installation of the MASS safety barrier we recommend that the following PPE. be used. A risk assessment is detailed below.

Activity	Risk	Precautions
Loading and Unloading	I. Injury to heads. 2. Injury to feet. 3 .Death or injury as a result of manoeuvring delivery vehicle. 4. Injury from collision with passing traffic.	Wear hard hats. Wear steel toe capped safety footwear. Wear high visibility long sleeved jackets. All lorry movements to be under the control of a competent banksman. Traffic management in accordance with the Traffic Signs Manual (Chapter 8) & subsequent guidance.
Connection of units and top sections	I. Injury to heads. 2. Injury to feet. 3. Injury to hands or fingers. 4. Injury as a result of manual lifting. 5. Injury from collision with passing traffic.	Wear hard hats. Wear steel toe capped safety footwear. Wear protective gloves. Correct working methods Use correct tools Use correct manual lifting methods. Minimum 2 men per base unit (60kg) Wearing of high visibility , long sleeved jacket. Traffic management in accordance with the Traffic Signs Manual (Chapter 8) & subsequent guidance.

Installation of M.A.S.S. base units -60kg

When installing the base units we recommend that they be installed on a flat even surface. This aids the installation of the top sections later on. Simply lift the base unit into position then slide the second base unit on to it by inserting the male fitting in to the female fitting.

We recommend that only four units are pushed together at anyone time, the top sections inserted, then the next four units connected. This enables the installer to manoeuvre the base units to ensure the top sections push into place without any difficulty .

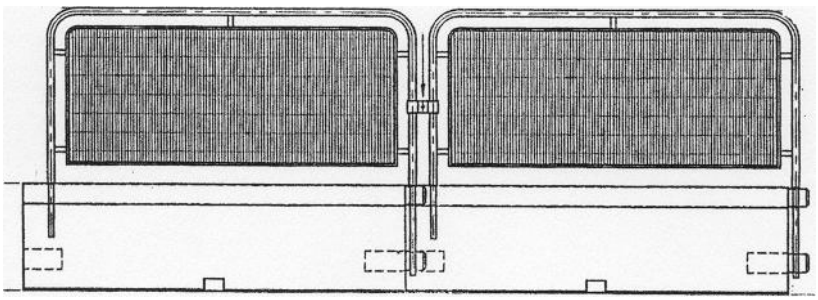
Installation of the Terminal End Buffers -30kg

One male and one female terminators are required for each run of barrier. The first end buffer should be inserted on to the first base unit before any top sections are installed. The chosen top section will lock the end buffer on to the base unit preventing any unnecessary movement or removal.

Once all base units are in position slide the second end buffer on to the end unit and insert final top section to lock into place.

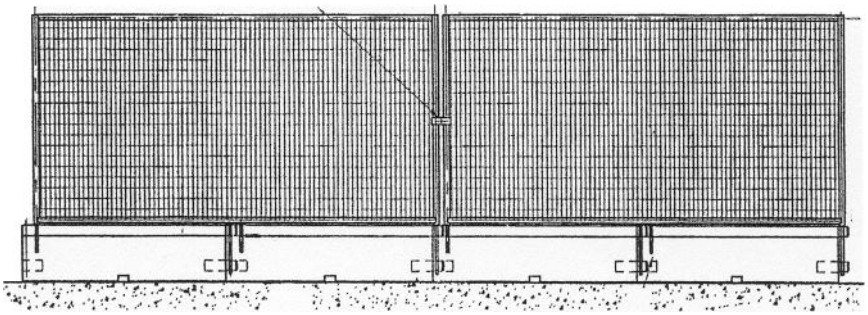
Installation of Pedestrian Guard -11kg

Each pedestrian panel is I5OOmm long, therefore one panel is fitted per base unit. The top sections are not designed to just drop into place. We recommend the use of a rubber mallet to knock the top sections down securely. When inserting the pedestrian panel into the top of the base unit align the spigots over the holes and slowly lower the panel into place. Use the rubber mallet to secure. *(See Below)*



Installation of Siteguard –35kg:

Each Siteguard panel is 3000mm long, therefore one panel is fitted over two base units. The top sections are not designed to just drop into place. We recommend the use of a rubber mallet to knock the top sections down securely. Before inserting the Siteguard panel lock the centre of the two base units together using a connector pin. This has to be done because the Siteguard panels are 300Omm long and therefore do not lock the two base units together. When inserting the Siteguard into the top of the base unit align the spigots over the holes and slowly lower the panel into place. Use the rubber mallet to secure. *(See Below)*

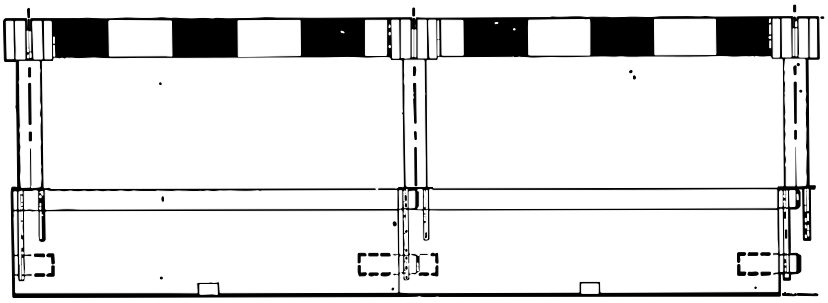


Installation of Connection Tubes (Miniguard) - 3kg

Each connection tube is l500mm long, therefore one tube is fitted per base unit. These are simply used to lock the base units together where no specific top section is required. We recommend the use of a rubber mallet to knock the top sections down securely. When inserting the connection tube into the top of the base unit align the spigots over the holes and slowly lower into place. Use the rubber mallet to secure.

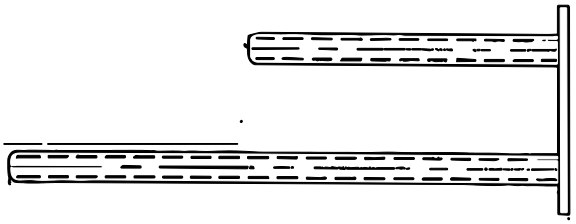
Installation of Roadguard (Roadguard Post / Top Collar / Plastic Plank-11kg

Insert the steel Roadguard posts into the top of the base units. Secure using the rubber mallet Push the rubber top collars securely on to the top of the Roadguard post. Now simply insert the retro-reflective plastic planks into the slots housed on the top collars. *(See Below)*



Site2uard Connector Pins -2kg

These are used to lock two base units together when installing the Siteguard panels. (See Below and Installation of Siteguard)

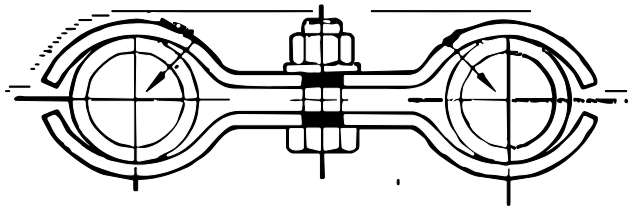


M.A.S.S. Clamp Plates

These are used when installing either the pedestrian guard or Siteguard panels. They are used to clamp the fence panels together once the system is finally in place. Clamping the panels together not only

restricts movement in the panels but also prevents theft. We recommend the use of one pair of clamps on pedestrian guard and two pairs on Siteguard. *(See Below)*

Nb. When clamping pedestrian guard use 3Omm long M8 bolts. When clamping Siteguard use 5Omm long M8 bolts.



Installation of Left Hand (LHE) and Right Hand End (RHE) Corner Units

The comer base units are designed to enable the system to rotate through 270 degrees. On the Left Hand End base unit there are two plates welded to the female fitting. This is where the top sections are inserted. Where M.A.S.S. is required to go around comers we recommend that the comer units be installed first then work outwards towards the terminal end buffers. *(See Below)*