

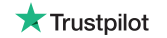
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F A C I L I T I E S

Mass Barrier

SPECIFICATION SHEET



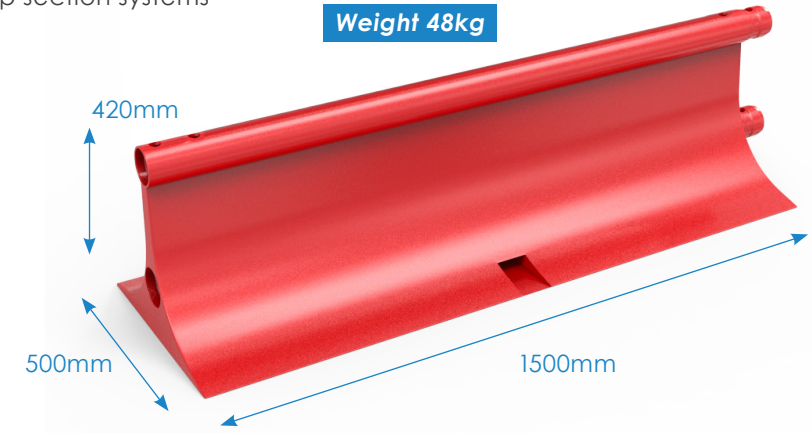


Mass Barrier Specification Sheet

The Mass barriers has a steel barrier base unit which consists of a hot dip galvanised element and powder coated in highly visible colours for health and safety.

Key Features

- Lightweight for easy transporting and handling
- Compatibility with numerous top section systems
- Units link via vertical pins
- Non-permanent fixing
- Simple Installation
- Anti-vandalism design
- Wind resistant
- High Visibility



There are numerous top sections that's can be added to the Mass barrier to suit specific sites.

Units can be adapted to allow the system to rotate through 180°.

MASS Barrier Specifications

Length	Width	Height	Weight
1500mm	500mm	420mm	48kg

Anti-Climb Fencing Available



90° Bends Option





Mass Barrier Crash Test **Approved**

Mass 1 has been fully tested to T2 W5 providing protection to work force, vehicle drivers, as well as pedestrians.

Mass1 Crash Test Report & Results

**TESTED TO BS EN 1317: T2 W5 SPEED: 80 KM/H
IMPACT ANGLE: 15.0° VEHICLE MASS: 1,300 KG**

VEHICLE:

- Velocity and angle values were within tolerance limits
- The vehicle did not breach the device
- The vehicle did not leave the permitted CEN box
- The vehicle did not roll over within the test area
- No part of the vehicle was detached

DEVICE:

No part of the barrier penetrated the interior of the vehicle. No part of the barrier was ejected



Summary Of Crash Test Report

This is a report summary of the crash test conducted by TRL Ltd, describing the dynamic impact test of the Asset M.A.S.S. System 1 VRS to TB22 of BS EN 1317 Parts 1 & 2. The impact conditions of this test were met with total test mass of 1300 (± 65) kg at a speed of 80 (-0 + 7%) km/h (49.7mph) at an angle of 15 (+1.5, -1) degrees to the line of the barrier traffic face.

The correct installation of the test item was the responsibility of the client. The length of the barrier tested was 57.3m (63.3m including anchor terminals).

The vehicle model was a year 2000 Ford Mondeo. The actual total test mass of the vehicle was 1299kg, the impact speed was 81.9 km/h and the impact angle was 15.0 degrees and therefore satisfactory.

The extreme front edge of the barrier was used as the datum for all deflection and exit box measurements.

The dynamic deflection was 1.2m and the working width was 1.7m. The permanent deflection was 1.2m.

The vehicle complied with the exit box requirements of BS EN 1317-2.



BS EN 1317 Crash Test In Progress



Mass Barrier Pedestrian Guard

Mass Pedestrian Guard is a development of the 1 vehicle restraint system which is tested to current European Standards and is a cost-effective solution to improving public safety.

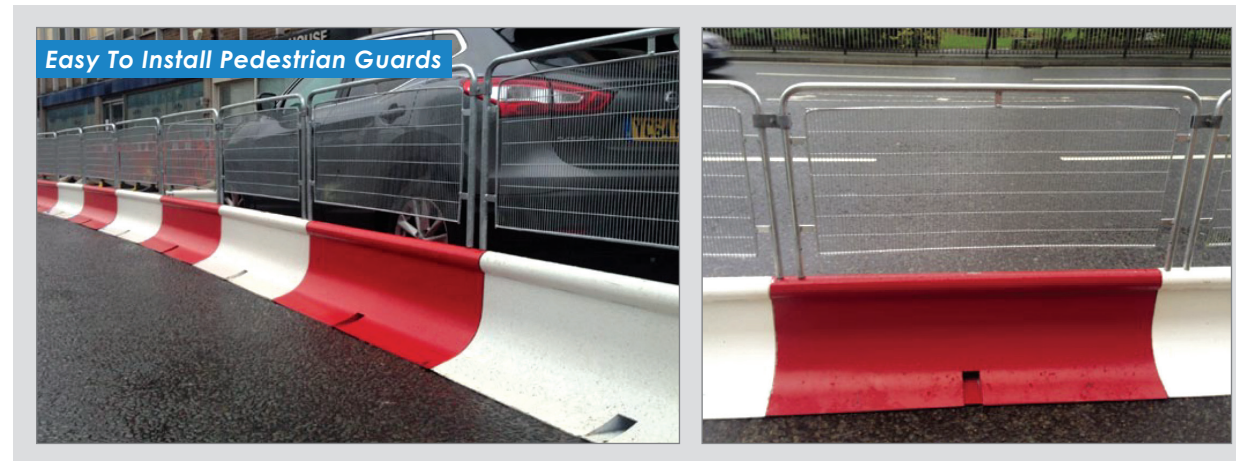
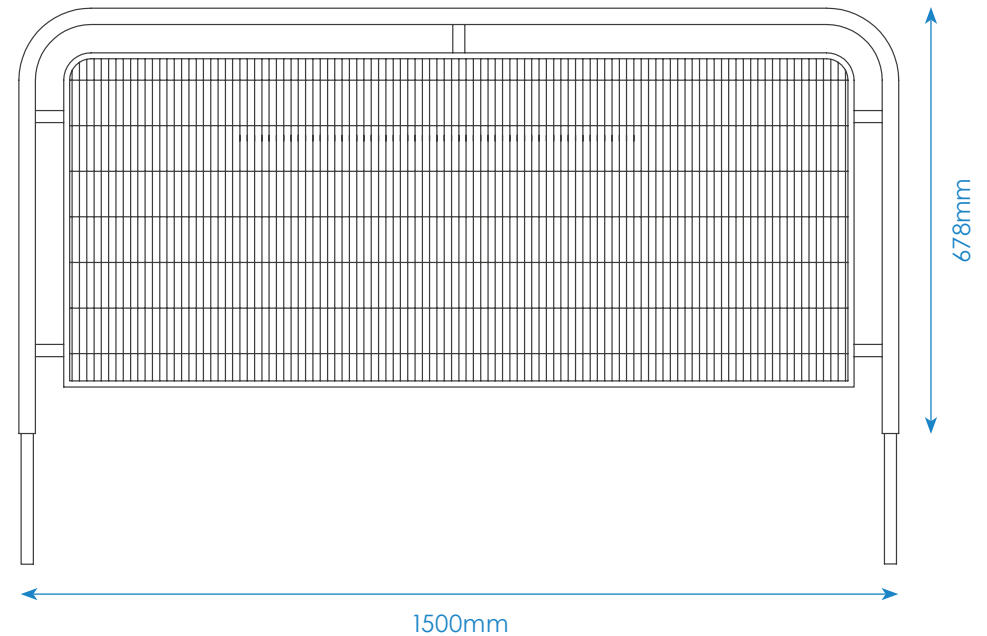
The Mass steel base unit provides the foundation for the five different guard elements. These guard elements can be interchanged without having to replace or purchase new base sections.

The Mass barrier provides protection to vehicle drivers, workforce and pedestrians. This is where future safety legislation will be focused concentrating on Duty of Care and Industry Best Practice.

MASS Pedestrian Guard Specifications

MATERIAL: Galvanised steel mesh pedestrian rail.

Length	Width	Height	Weight
1500mm	25mm	678mm	11kg
Total when on base unit = 1100mm			59kg



Mass Visirail Guard

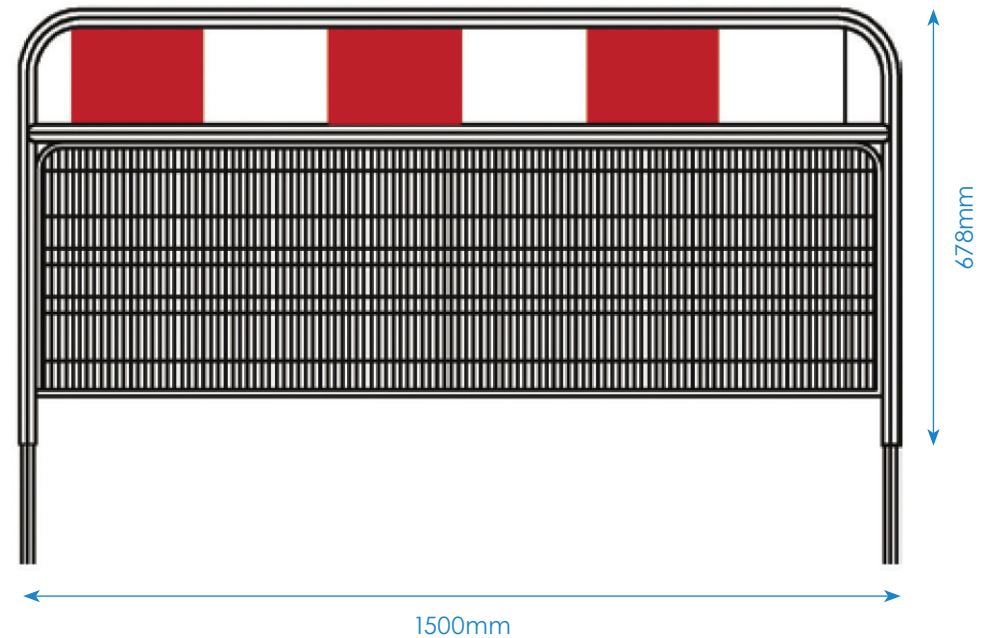
This product combines the benefits of Mass Pedestrian Guard with a high visibility steel security rail.

Complying with chapter 8 of the 'Traffic Sign Manual', Mass Visirail Guard has minimal wind loading and is vandal-proof.

MASS Visirail Guard Specifications

MATERIAL: Galvanised steel mesh pedestrian rail with Chapter8 reflective strip.

Length	Width	Height	Weight
1500mm	25mm	678mm	11kg
Total when on base unit = 1100mm			59kg



Mass Siteguard

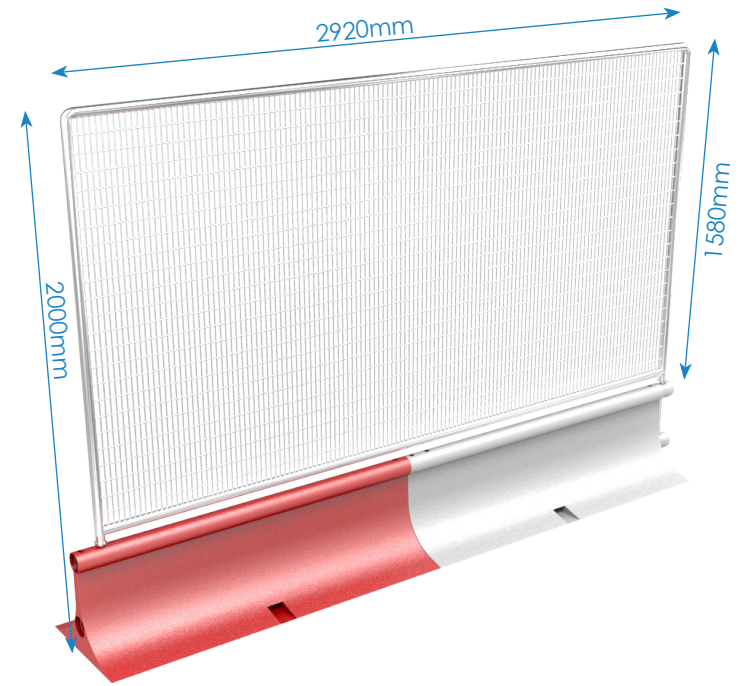
This is an anti-climb, galvanised mesh fencing.

Siteguard offers high security for the site, workers and equipment.

MASS Siteguard Specifications

MATERIAL: Galvanised steel mesh fence panel.

Length	Width	Height	Weight
2920mm	25mm	1580mm	35kg
Total when on 2 base units = 2000mm			131kg



Mass Screenguard

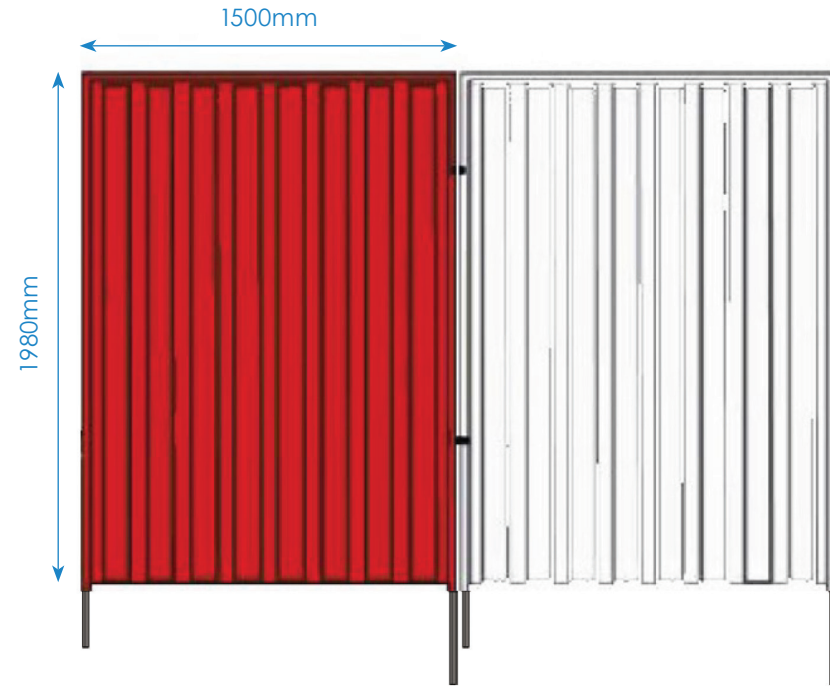
A hoarding panel for use on work sites where privacy is required.

The high steel screen offers security combined with easy assembly in a range of situations.

MASS Screenguard Specifications

MATERIAL: Steel Hoarding Panel, Powder Coated, Red/White.

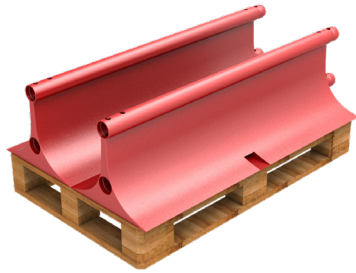
Length	Width	Height	Weight
1500mm	30mm	1980mm	59kg
Total when on base unit = 2400mm			107kg





MASS Barrier Stacking & Packing

1

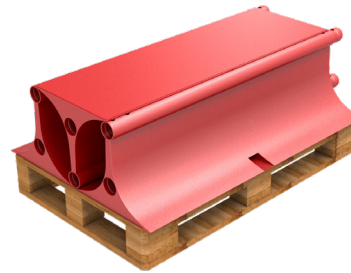


Please be aware the Mass Barriers measure 1.5m in length and will therefore slightly overhang the 1.2m pallet they are to be placed onto, this overhang is acceptable within these guidelines.

Place two Mass Barriers side by side so that the inner edge of each foot touches the opposing barrier, each barrier should align at both ends.

When together the barriers should take a central placement on top of the pallet.

2

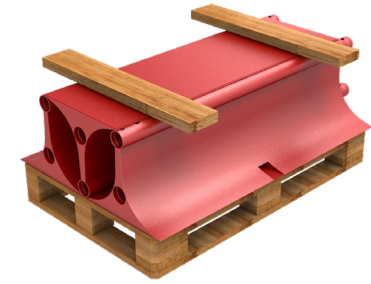


Insert one Mass Barrier upside down to fit inside the empty void that was created from the placement of the previous two barriers.

The feet of this barrier should be evenly supported by the heads of the previous two barriers and also align with the ends of the previous two barriers.

The exposed base of this barrier must be even and level in readiness for the next processes.

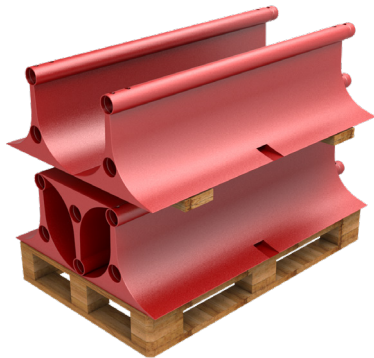
3



Two additional lengths of pallet wood must now be placed onto the flat base of the previously positioned barrier.

These lengths of wood should be placed approximately 15cm within each end of the three stacked barriers, and be placed in such a way the centre of the wood is central to the base of the third barrier and parallel to the pallet beneath.

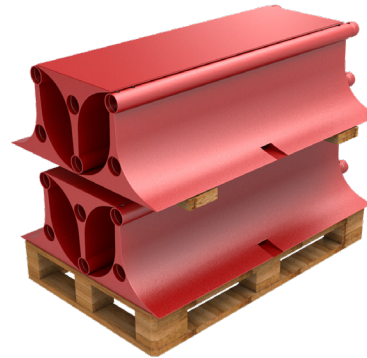
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Carefully place a further two Mass Barriers side by side onto the previously placed pallet wood so that the inner edge of each foot touches the opposing barrier below.

When together both the barriers should take a central placement in relation to the bottom barriers and pallet.

5

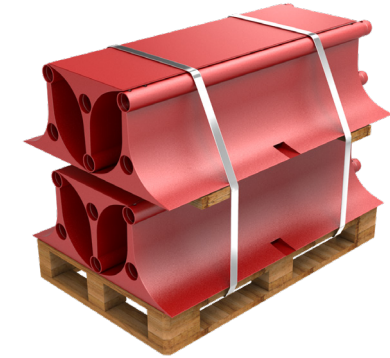


Now one last barrier must be carefully placed on top of the last two barriers to fit inside the empty void that was created.

The feet of this barrier should be evenly supported by the heads of the previous two barriers, and also align with the ends of the previous two barriers.

The exposed base of this barrier must be even and level in readiness for the next processes.

6



Now a check must be carried out to ensure all of the stacked barriers are evenly balanced, stable and level.

Once this check is successfully completed the whole stack must be secured by heavy duty polypropylene pallet strapping to run from the underside of the pallets top level, all the way around the six stacked barriers. Two rings of strapping must be applied approximately one quarter distance from each end of the stacked barriers.

