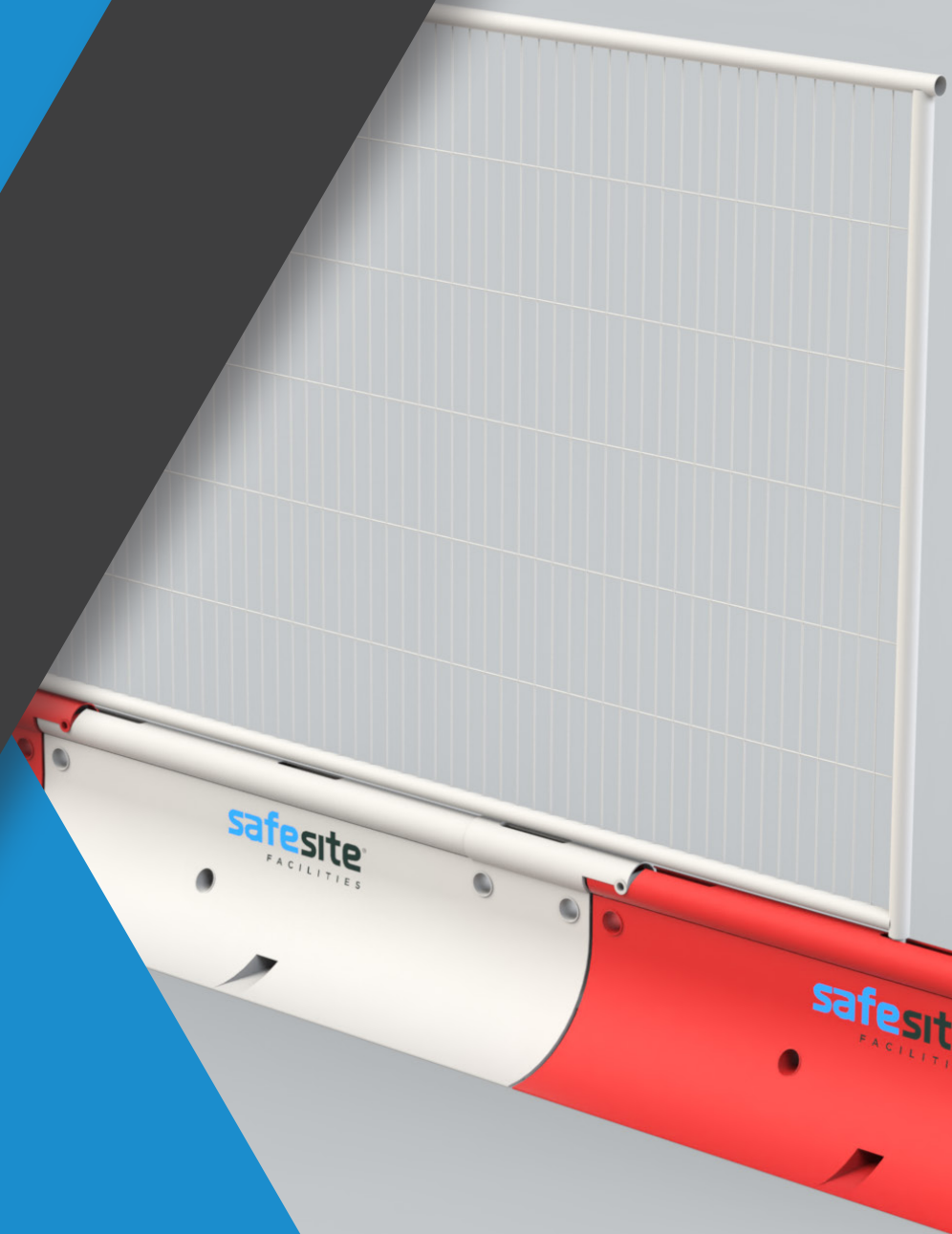


safesite[®]

F A C I L I T I E S

Bull Barrier

SPECIFICATION SHEET



Bull Barrier Specification Sheet

The Bull Barrier is a temporary heavy duty traffic / pedestrian separation barrier designed for roadworks where moving vehicles are in close proximity to the site perimeter and its operatives.

The system has the advantage of being used with anti-climb pedestrian fences to keep the public safe, but can also be used as a single stand alone barrier to delineate a construction site or work area. It's unrivalled effectiveness means the Bull Barrier exceeds current European standards, and can improve public safety whilst being very cost-effective.

The Bull Barriers hinge and slot connection method helps make installation a much faster process compared to comparable products. Installation is less labour intensive and requires only two people.

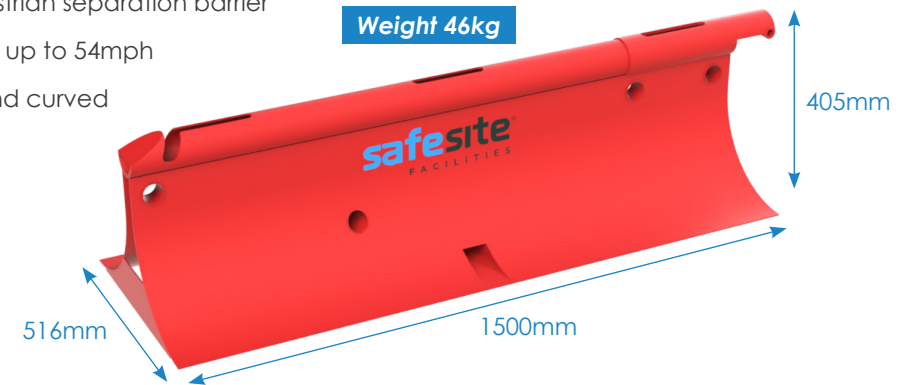
Bull Barrier Specifications

Length	Width	Height	Weight
1500mm	516mm	405mm	46kg

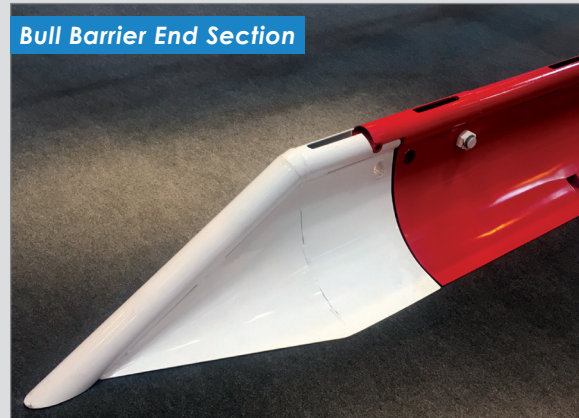


Key Features

- Stiffness of a line of bull barriers prevents a vehicle encroaching on the protected space behind
- Weighing just 46kg the Bull Barrier is over 10kg lighter than its nearest competitor
- Unique hinge and slot design makes it the fastest installation of its type
- Only two people are required to fit modules together
- Heavy duty traffic / pedestrian separation barrier
- Withstood wind speeds of up to 54mph
- The barriers are flexible and curved



Bull Barrier End Section



Bull Barrier Corner Barrel





Bull Barrier

Crash Test **Approved**

When a vehicle collides with a line of Bull Barriers, the cumulative weight and stiffness of the line prevents the vehicle encroaching on the protected space behind the barrier and so ensuring the safety of any workforce in that area.

Combined with the curved shape of the barrier, this stiffness creates a roll-off effect and if a collision takes place the car is steered back into the lane traffic from which it came, protecting both pedestrians in the protected zone and the occupants of the vehicle.

The design of the Bull Barrier also allows for the simultaneous use of a reinforcement bar (required to meet crash test standards) as well as pedestrian barriers making it a much safer and more versatile product. The Barriers have been strenuously tested on a variety of applications and under a series of scenarios to ensure maximum effectiveness.

Summary Of Crash Test Details

IMPACT TEST ACCEPTANCE CRITERIA:

- The test item contained the test vehicle:
- Any complete breakage of principal longitudinal elements of the test item:
- Any detached parts of the test item with mass >2kg:
- Any penetration of test item elements into passenger compartment:
- Any deformation or intrusion into passenger compartment:

Yes
No
No
None
None

TEST DETAILS:

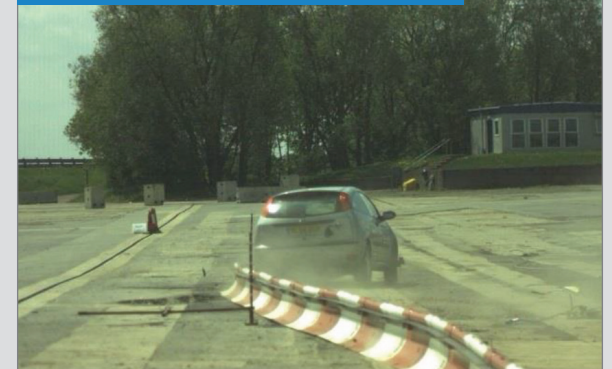
Test legislation:	EN 1317-2:2010
Test designation / speed class within standard:	TB22
Required impact speed:	80 +5.6/-0 km/h
Required impact angle:	15 +1.5/-1.0 deg
Required test vehicle:	M1 - Car - 1,300kg



Test EN 1317-2:2010 Downstream View



Test EN 1317-2:2010 Upstream View



Bull Barrier Pedestrian Fence

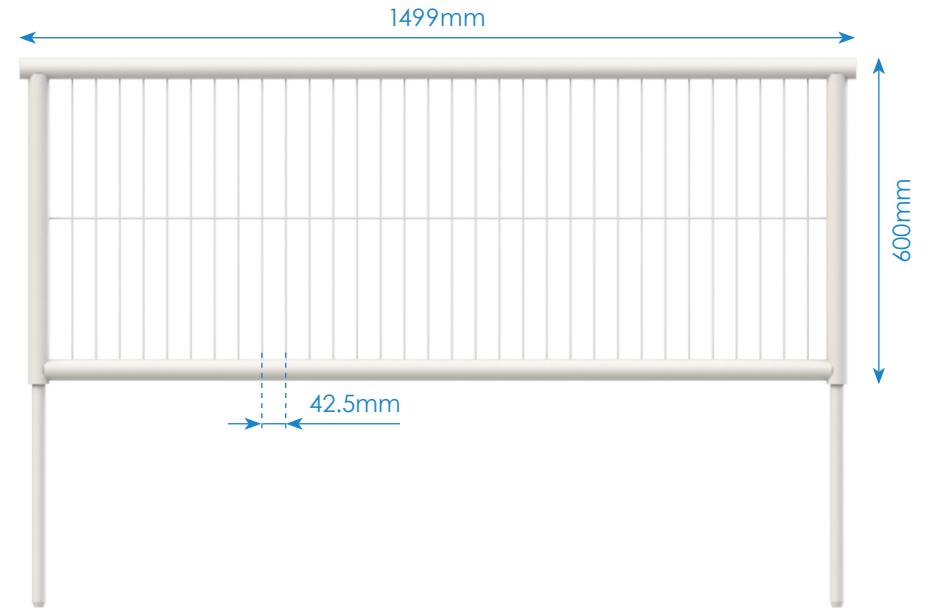
The Bull Barrier Pedestrian fence weighs only 9kg and extends the overall height to over a metre at 1005mm.

This handy extension to the standard barrier provides additional pedestrian security and prevents the standalone unit becoming a trip hazard. The extra height gained from using the pedestrian fence, also make it more difficult for a passer-by to breach the site boundary.

Bull Pedestrian Guard Specifications

MATERIAL: Carbon Steel Pre-Galvanised.

Length	Width	Height	Weight
1499mm	38.1mm	600mm	9kg
Total when on base unit = 1005mm			55kg



Row Of Bull Barriers With Pedestrian Fence



Bull Barrier 3000x1600mm Fence

The versatile Bull Barrier can also accommodate 3m x 1.6m, 42.5mm pitch anti climb fence panels.

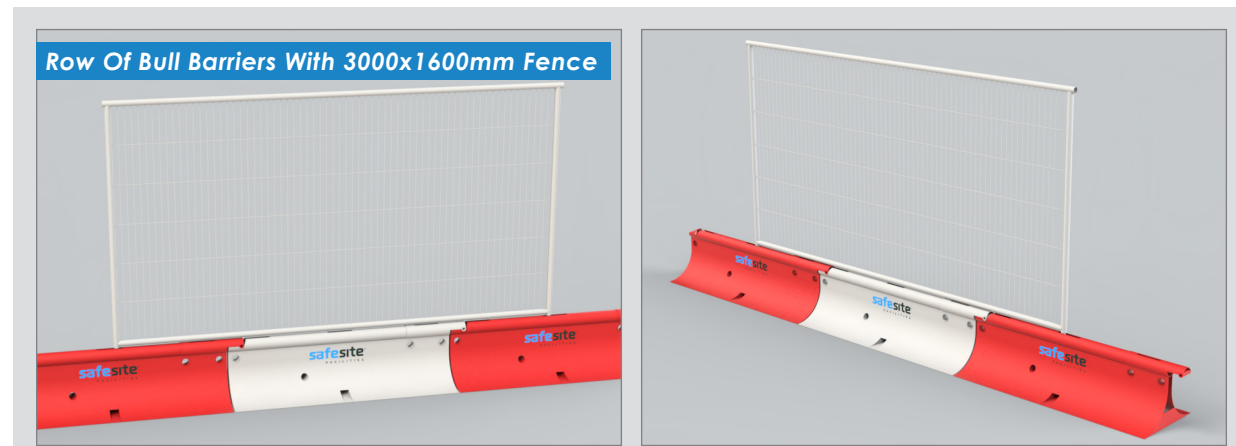
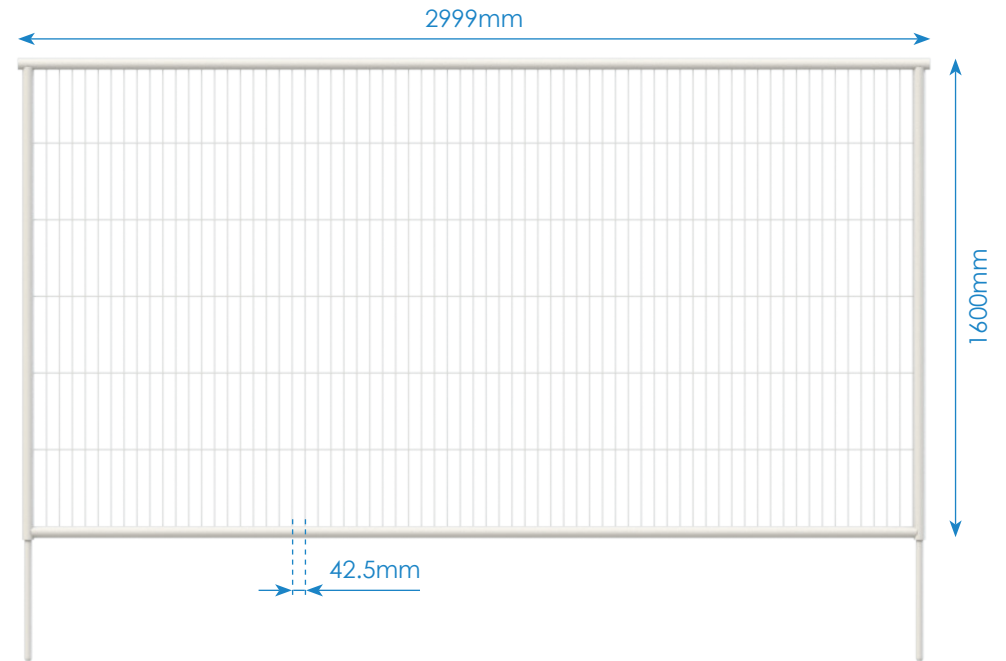
At just 20kg the fence panel is easy to manoeuvre and install, it provides added security for workers on site along with their equipment.

The anti climb fence panel extends the overall height to over 2m at 2005mm making it extremely difficult for the site boundary to be breached.

Bull Barrier Mesh Specifications

MATERIAL: Carbon Steel Pre-Galvanised.

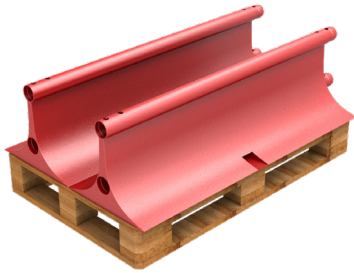
Length	Width	Height	Weight
2999mm	38.1mm	1600mm	20.8kg
Total when on 2 base units = 2005mm			66.8kg





Bull Barrier Stacking & Packing

1

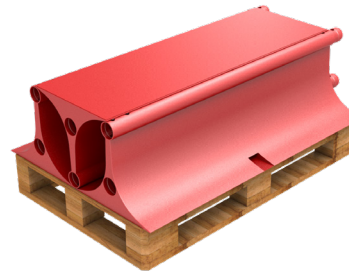


Please be aware the Bull Barriers measure 1.5m in length and will therefore slightly overhang the 1.2m pallet they are to be placed onto, this overhang is acceptable within these guidelines.

Place two Bull 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

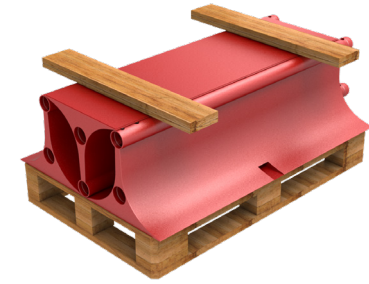


Insert one Bull Barrier upside down to fit inside the empty void that was created from the placement of the previous two barriers.

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.

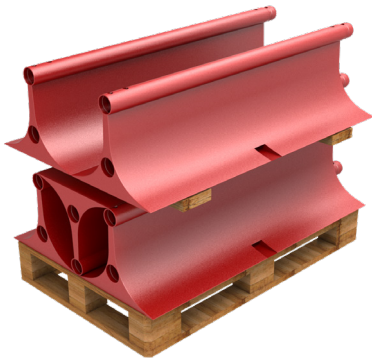
3



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.

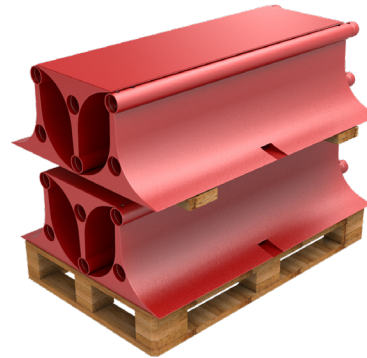
4



Carefully place a further two Bull Barriers side by side onto the previously placed pallet wood so that the inner edge of each foot touches the opposing barrier, each barrier should align top and side with the stacked barriers below.

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

5

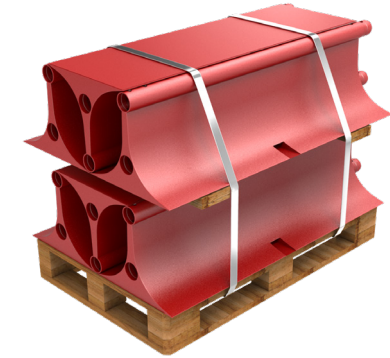


Now one last barrier must be carefully placed on top of the last two barriers to fit inside the empty void that was created.

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.