



## Bison Barrier

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Specification Sheet  
WFS150000

06/02/24

**safesite**<sup>®</sup>  
F A C I L I T I E S

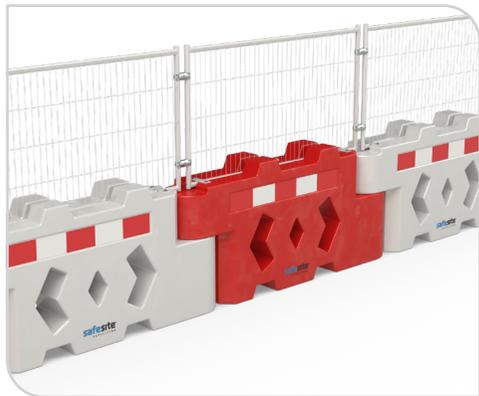


## Bison Barrier

The Bison Barrier is a water filled unit for delineation of traffic around sites. Weighing 400kg when full, the barrier can withstand wind speeds of up to 75mph.

Solid hoarding or a mesh fence panel can be added for additional safety and security. This can be personalised if required.

With the addition of a mesh or solid panel, the Bison Barrier has an overall height of 2m and can take standard pedestrian or vehicle gates.



Bison Barrier with Mesh



Bison Barriers with Hoarding and infill panels

### Bison Specification

Description	Size (mm)	Weight (kg)	Weight Filled (kg)
WFS150000 – Bison Barrier	H1000 x W2000 x D400	35	400
WFS150020 – Bison Std/800 Anti-Climb Mesh Panel	H1050 x W1938 x D38	8	-
WFS150025 – Bison Std/800 2in Heavy Duty Mesh Panel	H1050 x W1938 x D38	9	-
WFS150030 – Bison Std/800 Hoarding Panel	H1050 x W1938 x D38	17.5	-
WFS150060 – Bison Std/800 Hoarding Infill Panel	H960 x W140 x D1.2	1	-

## Key Features

- > Chapter 8 reflective strip
- > Can be used with solid hoarding, or mesh fence panels
- > Can be used with vehicle and pedestrian gates
- > Can rotate 90° degrees
- > Fill capacity 400 litres
- > 100% recyclable





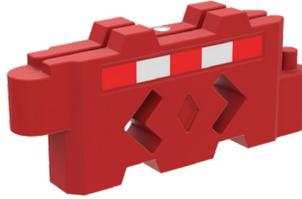
## Wind Resistance

*The Bison Barrier has been rigorously tested within the MIRA wind tunnel, and achieved multiple Class A passes.*

The solid, water-filled nature of the Bison barrier provides the perfect base for the mesh and hoarding panels. Use the barriers alone for an 'A Class' wind resistance performance.

Please see to the right the MIRA Class passes and wind resistance speeds achieved for each of the panels displayed.

1 Bison Barrier Single Unit



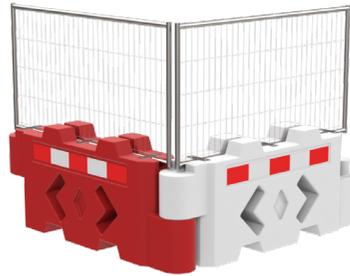
**75 mph**

*Wind speed withstood, not to failure point.*



**MIRA** CLASS A - PASSED

2 Bison Barrier + Mesh Fence Panel



**58 mph**

*Wind speed withstood, not to failure point.*



**MIRA** CLASS A - PASSED

3 Bison Barrier + Hoarding Panel



**38 mph**

*Wind speed withstood, not to failure point.*



**MIRA** CLASS C - PASSED

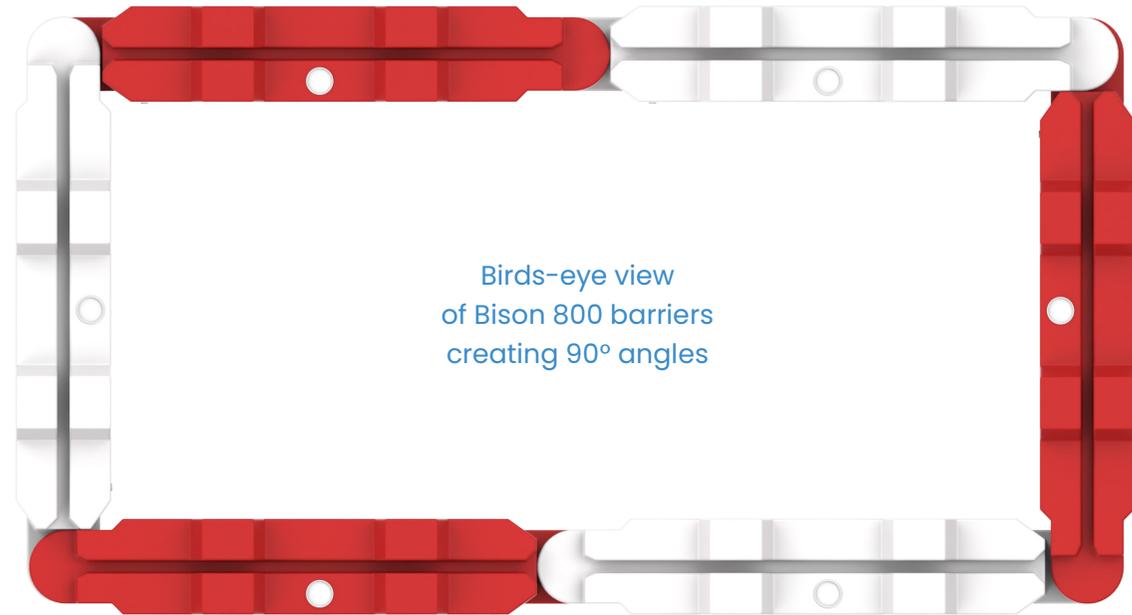


## 90° degree layout

*The Bison is an versatile barrier can be easily positioned at 90° angles.*

No additional accessories, adaption barriers or brackets are required to enable the barrier to create corners.

The barrier simply rotates to the angle required using the interlocking arm.



Birds-eye view  
of Bison 800 barriers  
creating 90° angles

Easily create 90° degree angles



Bison barriers forming curve



Bison barrier end pin



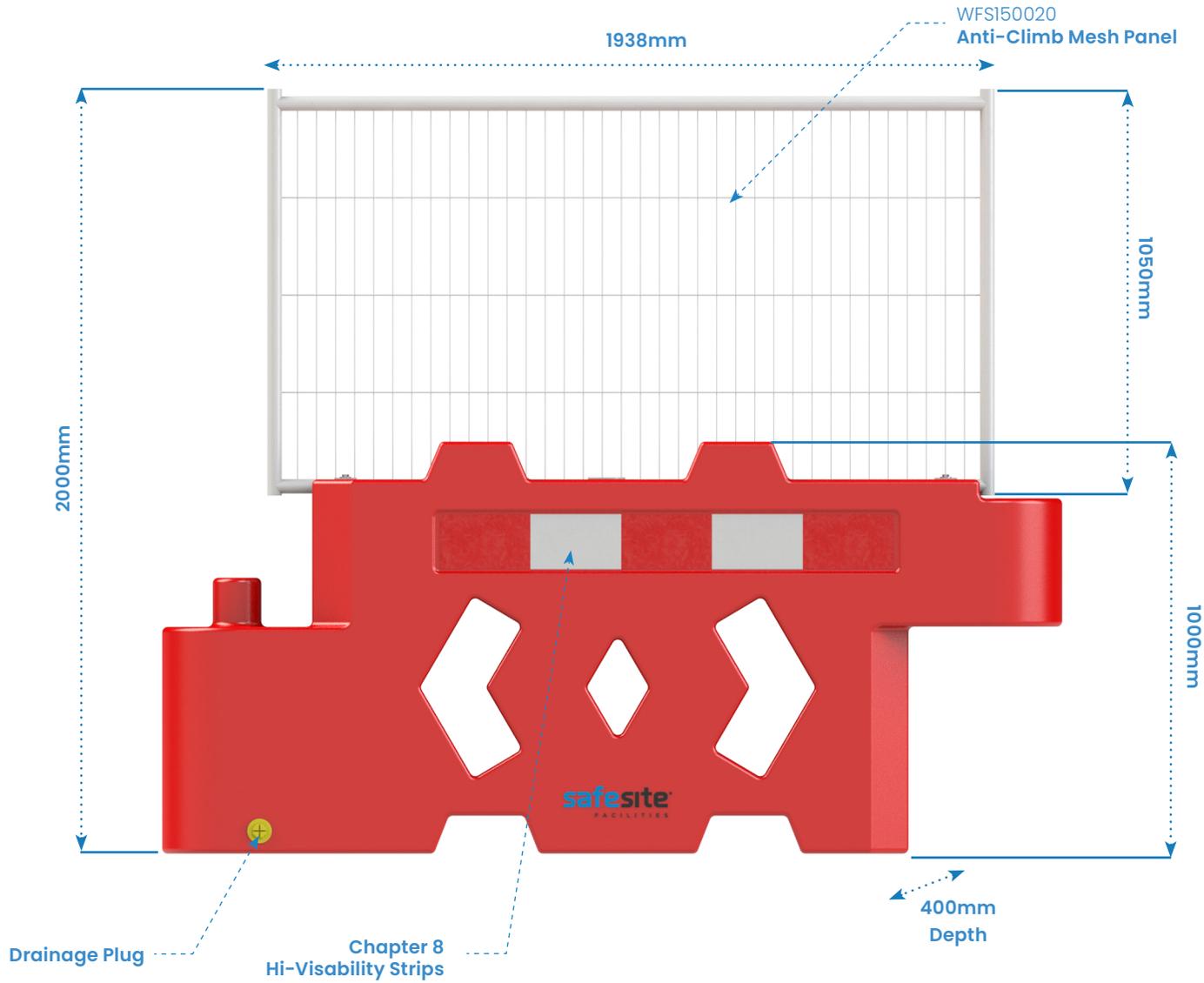
90° angle



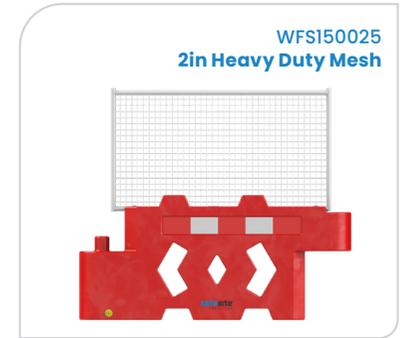


# Technical Details

## Standard Fencing Panel



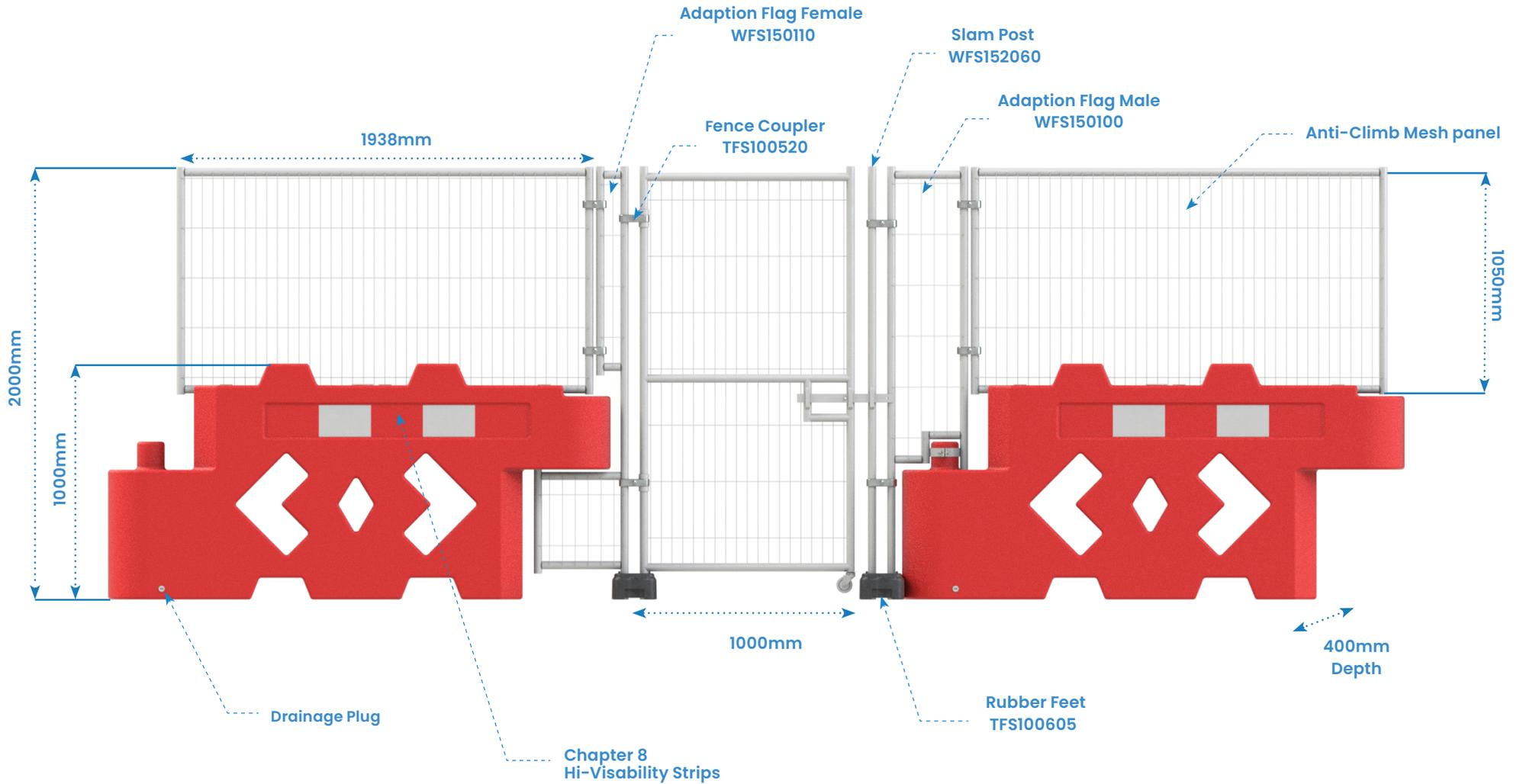
### Alternative Options





# Technical Details

## Fencing with Gates





# Installation parts

## Bison Water Filled Barrier – Measurements in mm

**Standard parts:** Please see below pictures and quantities of additional parts you will receive with each Bison Barrier, the parts below are an essential safety requirement when installing the Bison correctly.

**1 Drainage plug**  
Quantity: 1



Size (mm)	Weight (kg)
H65 x W65 x D28	-

**2 Filler cap**  
Quantity: 1



Size (mm)	Weight (kg)
H20 x W100 x D100	-

**3 Couplers**  
Quantity: 2



Size (mm)	Weight (kg)
H50 x W52 x D130	0.2

**4 Fence or Hoarding panels**  
Quantity: 1 per barrier



Size (mm)	Weight (kg)
H1050 x W1938 x D38	17

**Accessory parts:** The following accessories are required when attaching fence or hoarding panels to the bison barriers (both the standard and 800 model). Additional items (such as adaption flags) will be required should you require gates. Please contact our sales team for more information.

**1 M10 x 50mm Hex head bolts**  
Quantity: 4



Size (mm)	Weight (kg)
W17 x D50	-

**2 M10 x 50 x 1.5mm flat washers**  
Quantity: 4



Size (mm)	Weight (kg)
W50 x D1.5	-

**5 Hoarding Infill Panel**  
Quantity: 1 per barrier if required



Size (mm)	Weight (kg)
H960 x W140 x D15	1