



Bison Barrier

Specification Sheet
WFS150000

05/03/26

safesite[®]
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

Key Features

- Chapter 8 reflective strip
- Fill capacity 400 litres
- 100% recyclable
- Options for solid hoarding, or mesh fence panels
- Option to add mesh extension for additional privacy
- Can be positioned to create 90 degree right-angle bends
- Available in red and white options as standard
- Option for pedestrian and vehicle gates



Description	Size (mm)	Weight (kg)	Weight Filled (kg)
WFSI50000 – Bison Barrier	H1000 x W2000 x D400	35	400
WFSI50020 – Bison Std/800 Anti-Climb Mesh Panel	H1050 x W1938 x D38	8	-
WFSI50025 – Bison Std/800 2in Heavy Duty Mesh Panel	H1050 x W1938 x D38	9	-
WFSI50023 – Bison 800 2m Anti-Climb Mesh Panel	H1200 x W1938 x D38	8.5	-
WFSI50040 – Bison Std/800 Mesh Extension Panel	H740 x W1938 x D38	6	-
WFSI50030 – Bison Std/800 Hoarding Panel	H1050 x W1938 x D38	17.5	-
WFSI50060 – Bison Std/800 Hoarding Infill Panel	H960 x W140 x D1.2	1	-
WFSI50035 – Bison 800 2m Hoarding Panel	H1200 x W1938 x D38	21	-
WFSI50065 – Bison 800 2m Hoarding Panel Infill Panel	H1225 x W140 x D15	2	-



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



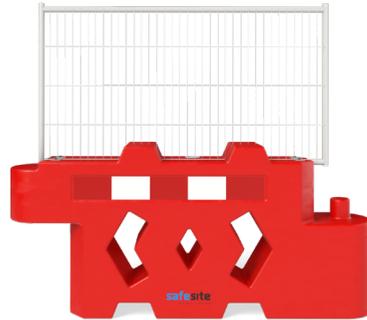
75 mph

Wind speed withstood, not to failure point.



MIRA CLASS A - PASSED

2 Bison Barrier + Mesh Fence Panel



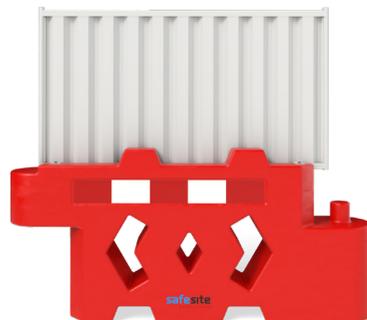
58 mph

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

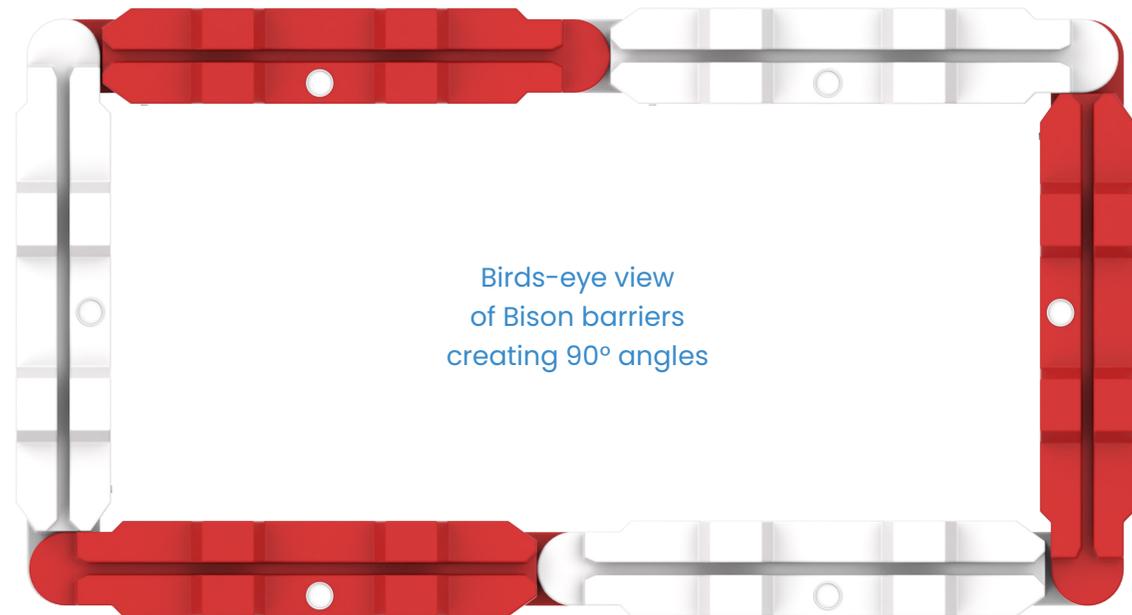


90° degree layout

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.



Easily create 90° degree angles



Bison barriers forming curve



Bison barrier end pin



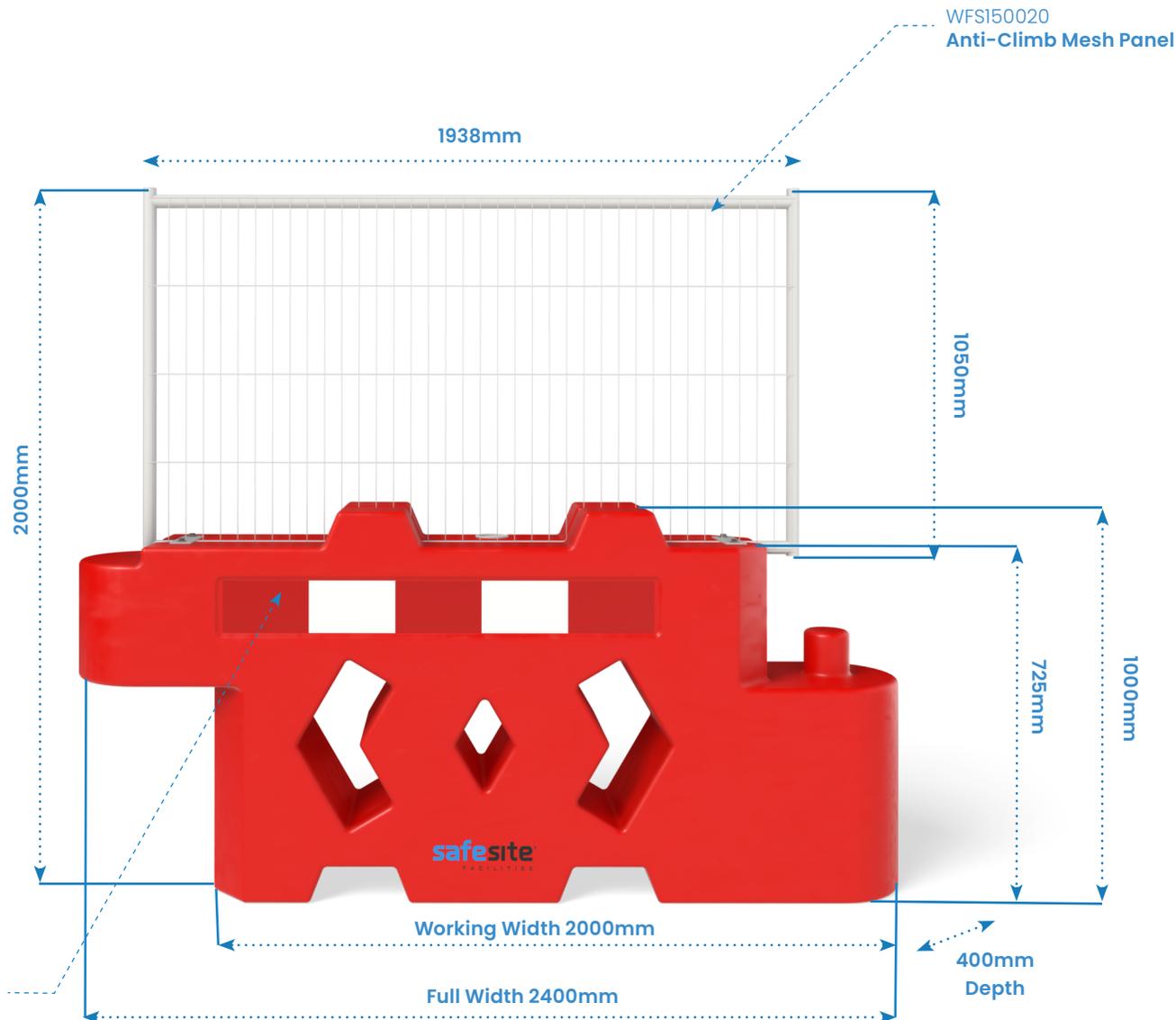
90° angle





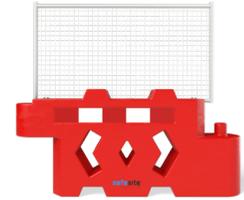
Technical Details

Standard Fencing Panel



Alternative Options

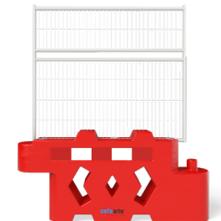
WFS150025
2in Heavy Duty Mesh



WFS150030
Hoarding



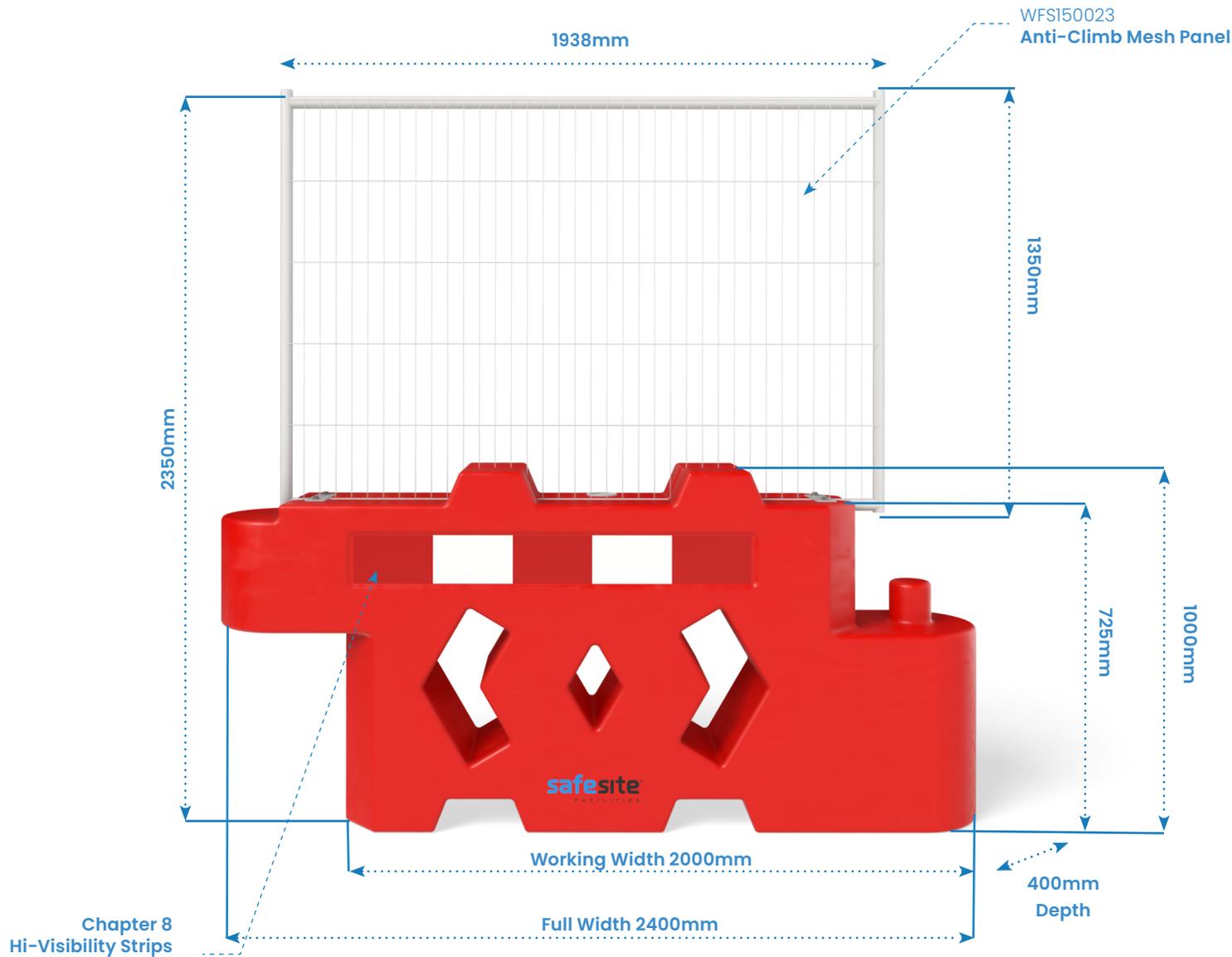
WFS150040
Mesh Extension Panel





Technical Details

2m Fencing Panel*



Alternative Options

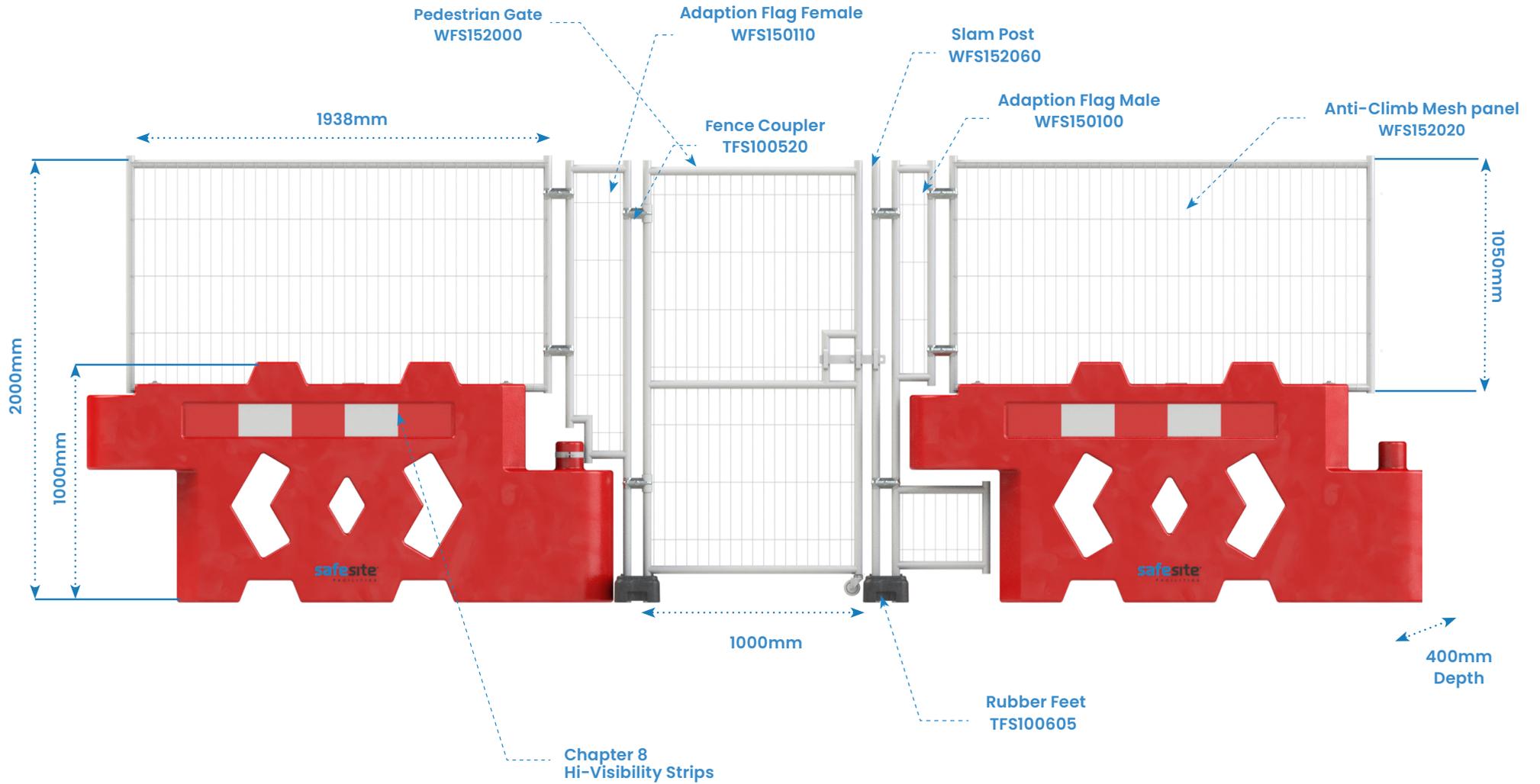


*2m mesh panel achieves a height on 2m for the Bison 800, but can be used with the standard Bison barrier



Technical Details

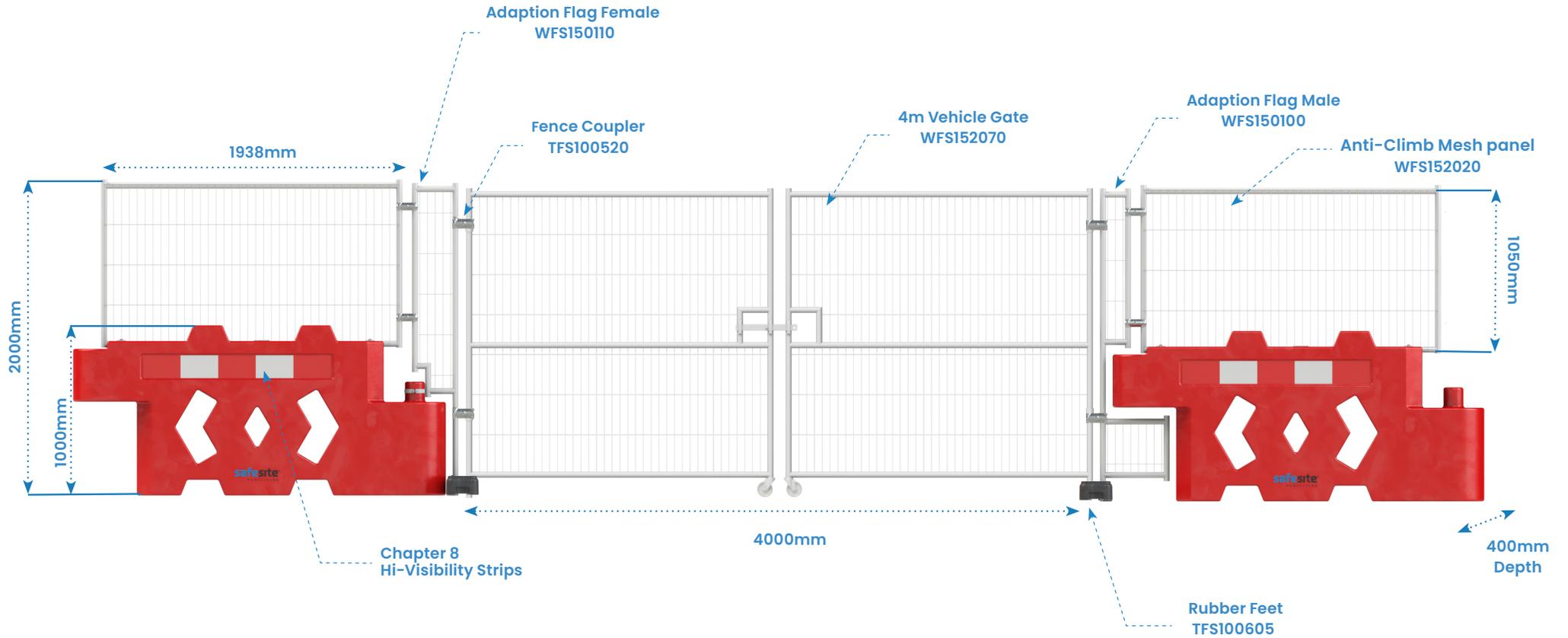
Standard Fencing with Pedestrian Gate





Technical Details

Standard Fencing with Vehicle Gate





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

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

6 Mesh extension
Quantity: 1 per barrier if required



Size (mm)	Weight (kg)
H740 x W1938 x D38	6