

## RB22 BARRIER SYSTEM



# DATA SHEET

## 1 / 10

Rugged water filled barrier for traffic and pedestrian delineation

Tests were carried out at MIRA wind speed tunnel 28<sup>th</sup> March conducted independently by David Wain, Wind tunnel manager.

## RB22 BARRIER

## ACCESSORIES

	RB22 BARRIER	RB22 PIN	RB22 ANGLE	RB22 STOP	RB22 PLATE
PRODUCT CODE	RB22SB	RB22SP	RB22ANG	RB22EN	RB22P
DIMENSIONS (MM)	L2000 x H800 x D500	L800 x D76	L680 x H800 x D500	L680 x H800 x D500	L315 x H100 x D9
MAX ANGLE (DEG)	35 DEG		35 DEG	35 DEG	
MATERIAL	UV MDPE	GALV STEEL	UV MDPE	UV MDPE	GALV STEEL
FILL CAPACITY (L)	540L	-	155	155	
WEIGHT E / F (KG)	60 / 600 KG	4	12 / 167	12 / 167	1.7
COLOURS	RED/ WHITE/ CUSTOM	-	RED/ WHITE / CUSTOM	RED/ WHITE / CUSTOM	-
FILL / DRAIN HOLES (MM)	D95MM / D25MM	-	D95MM / D25MM	D95MM / D25MM	-
FORK CHANNELS	2 X 240MM X 90MM	-	-	-	-
NO PER PALLET	4 (OS)		12	12	
CERTIFICATION	BS EN 1317 – N1 W7	50MPH CRASH TEST	-	-	-
CONFIRMED WIND SPEED	MIRA 78 MPH				

### NOTE:

System dimensions are approximated and taken up to the main panel height



# RB22 BARRIER SYSTEM



## DATA SHEET 2 / 10

Rugged water filled barrier for traffic and pedestrian delineation

### ACCESSORIES

#### RB22 MESH

PRODUCT CODE	RB22FP
DIMENSIONS (MM)	L1852 H1400 D40
MATERIAL	STEEL POWDER COAT
PANEL WEIGHT	8.7KG
POLE WEIGHT	10.2KG
COLOURS	WHITE
NO PER PALLET	25 (OS)
CONFIRMED WIND SPEED	MIRA 77.9 MPH (not to failure)

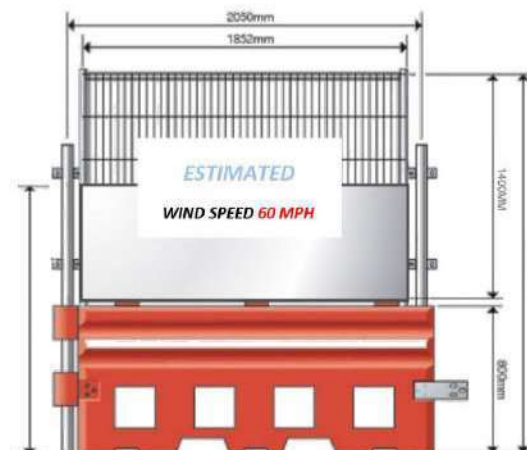
#### RB22 50 / 50

RB22HPWME
L1852 H1400 D40
STEEL POWDER COAT
17KG
10.2KG
WHITE
25 (OS)

#### RB22 HOARDING

RBSHP
L1852 H1400 D40
STEEL POWDER COAT
25KG
10.2KG
WHITE
25(OS)
MIRA 44 MPH (not to failure)

**NOTE:**  
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# RB22 BARRIER SYSTEM



## DATA SHEET 3 / 10

Rugged water filled barrier for traffic and pedestrian delineation

### ACCESSORIES

#### RB22 MESH 1/3

PRODUCT CODE	
DIMENSIONS (MM)	L1852 H1600 D40
MATERIAL	STEEL POWDER COAT
PANEL WEIGHT	19.5KG
POLE WEIGHT	10.2KG
COLOURS	WHITE
NO PER PALLET	25 (OS)
CONFIRMED WIND SPEED	MIRA 52.4 MPH (not to failure)

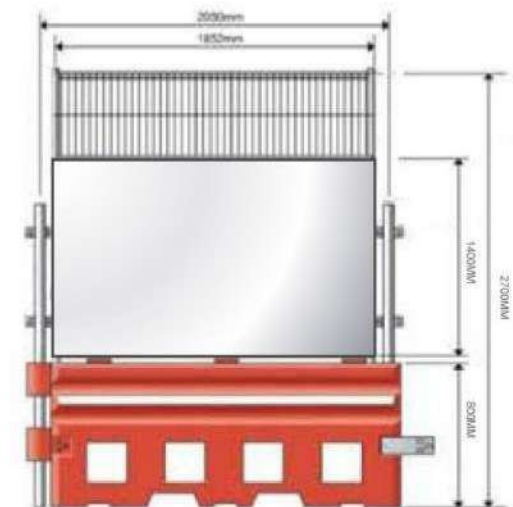
#### RB22 MESH 2/3

PRODUCT CODE	RB22H2/3M1/3
DIMENSIONS (MM)	L1852 H1600 D40
MATERIAL	STEEL POWDER COAT
PANEL WEIGHT	14KG
POLE WEIGHT	10.2KG
COLOURS	WHITE
NO PER PALLET	25 (OS)
CONFIRMED WIND SPEED	MIRA 62.2MPH (not to failure)

#### HOARDING EXTENSION

PRODUCT CODE	RB22FPE
DIMENSIONS (MM)	L2700 H1900 D40
MATERIAL	STEEL POWDER COAT
PANEL WEIGHT	28KG
POLE WEIGHT	10.2KG
COLOURS	WHITE
NO PER PALLET	25 (OS)

**NOTE:**  
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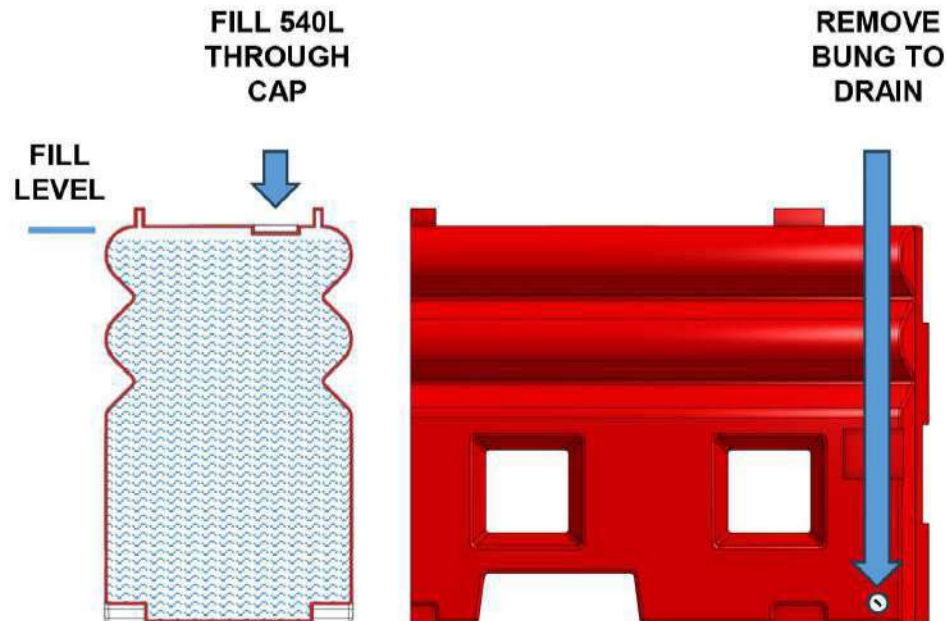


# RB22 BARRIER SYSTEM



## DATA SHEET 4 / 10

Rugged water filled barrier for traffic and pedestrian delineation



## ACCESSORIES

### PLASTIC HOARDING

PRODUCT CODE	UH/RB22
DIMENSIONS (MM)	L2060 H1400 D102
MATERIAL	UVM DPE
PANEL WEIGHT	25KG
POLE WEIGHT	10.2KG
COLOURS	BLACK / CUSTOM
NO PER PALLET	20
CONFIRMED WIND SPEED	MIRA 38 MPH

#### NOTE:

System dimensions  
are approximated  
and taken up to the  
main panel height



## RB22 BARRIER SYSTEM

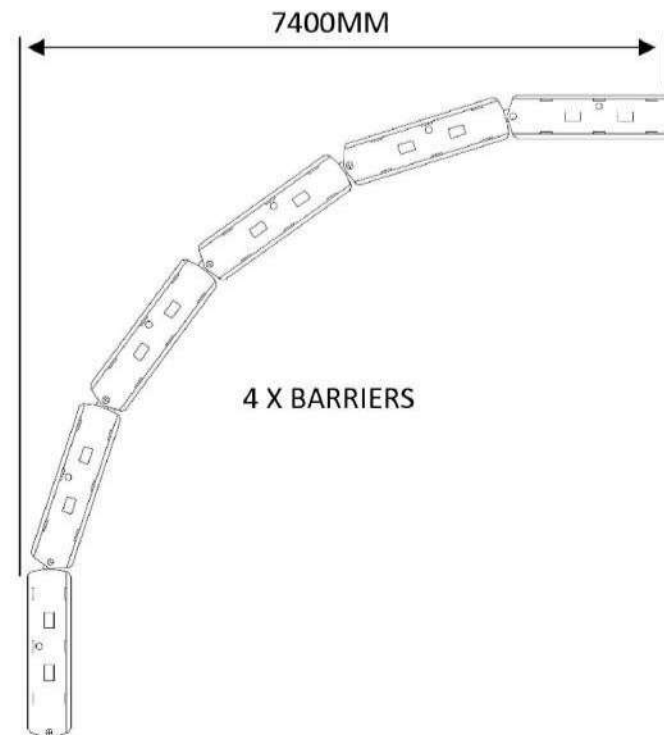


DATA SHEET  
5 / 10

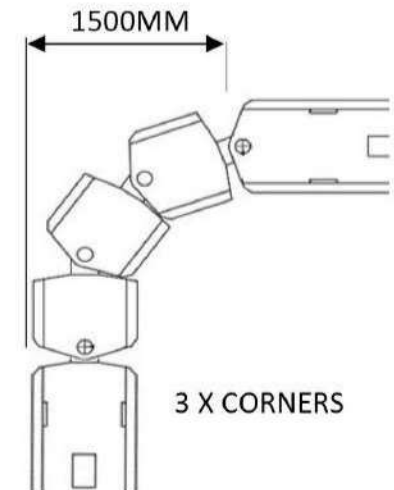
Rugged water filled barrier for traffic and pedestrian delineation

### 90 DEGREE CORNER LAYOUT

#### RB22 BARRIER



#### RB22 ANGLE



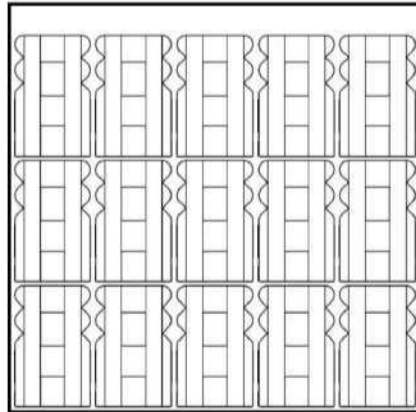
**NOTE:**

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main panel height

## RB22 BARRIER STACKING

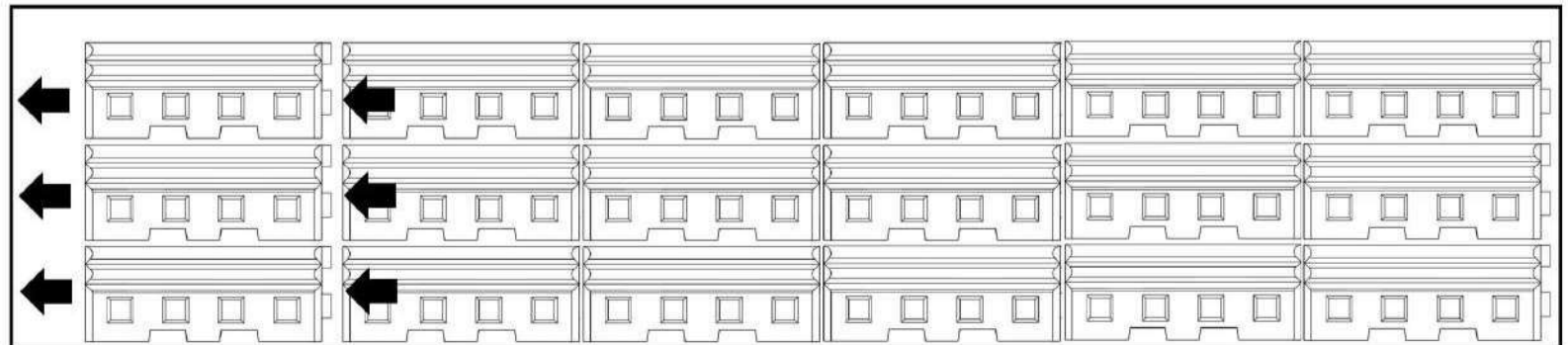
AS VIEWED FROM TRAILER REAR

LOAD  
FROM  
SIDE



1

AS VIEWED FROM TRAILER SIDE

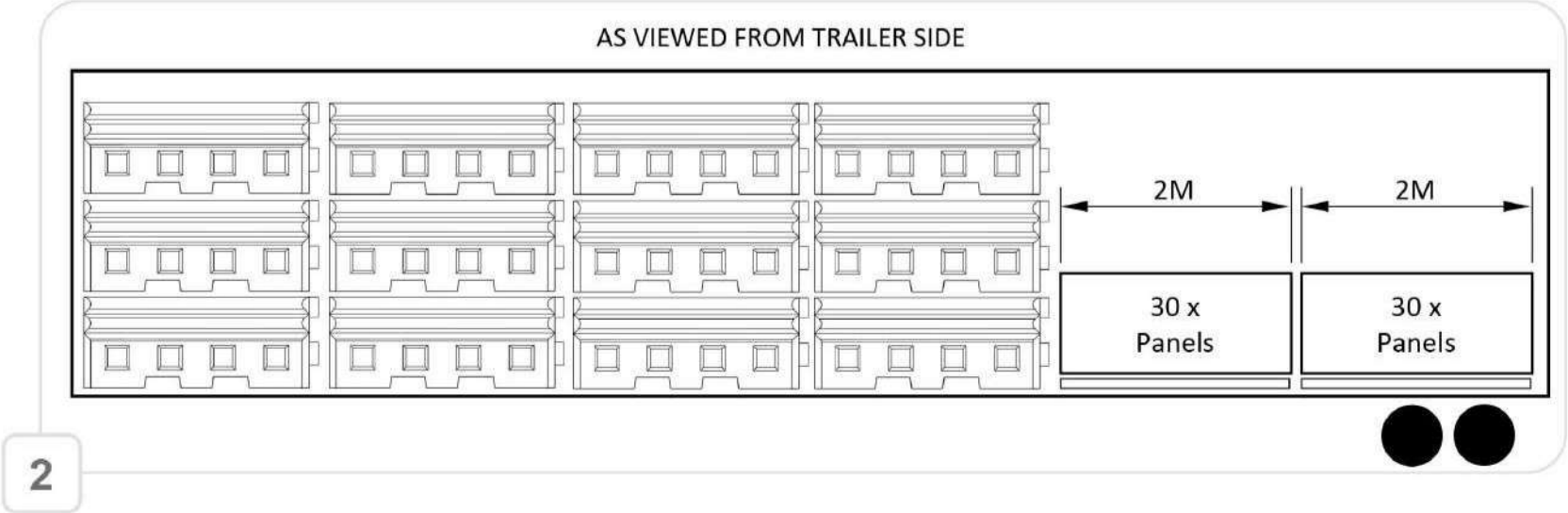
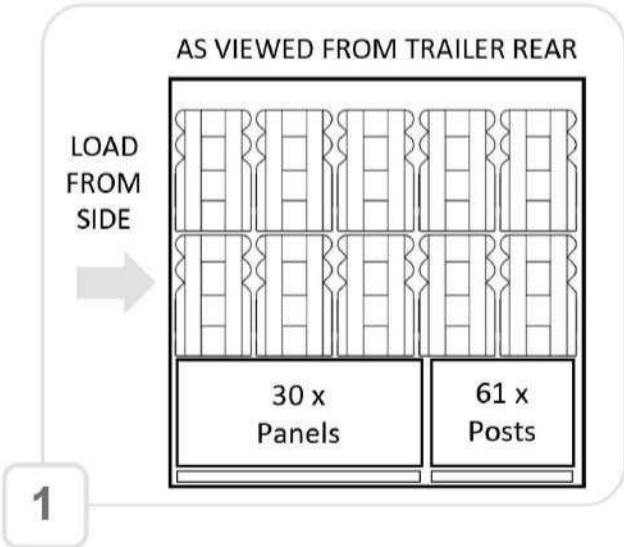


NOTE: BARRIERS ARE TRANSPORTED INTERLOCKED, PLEASE DISENGAGE BEFORE REMOVAL



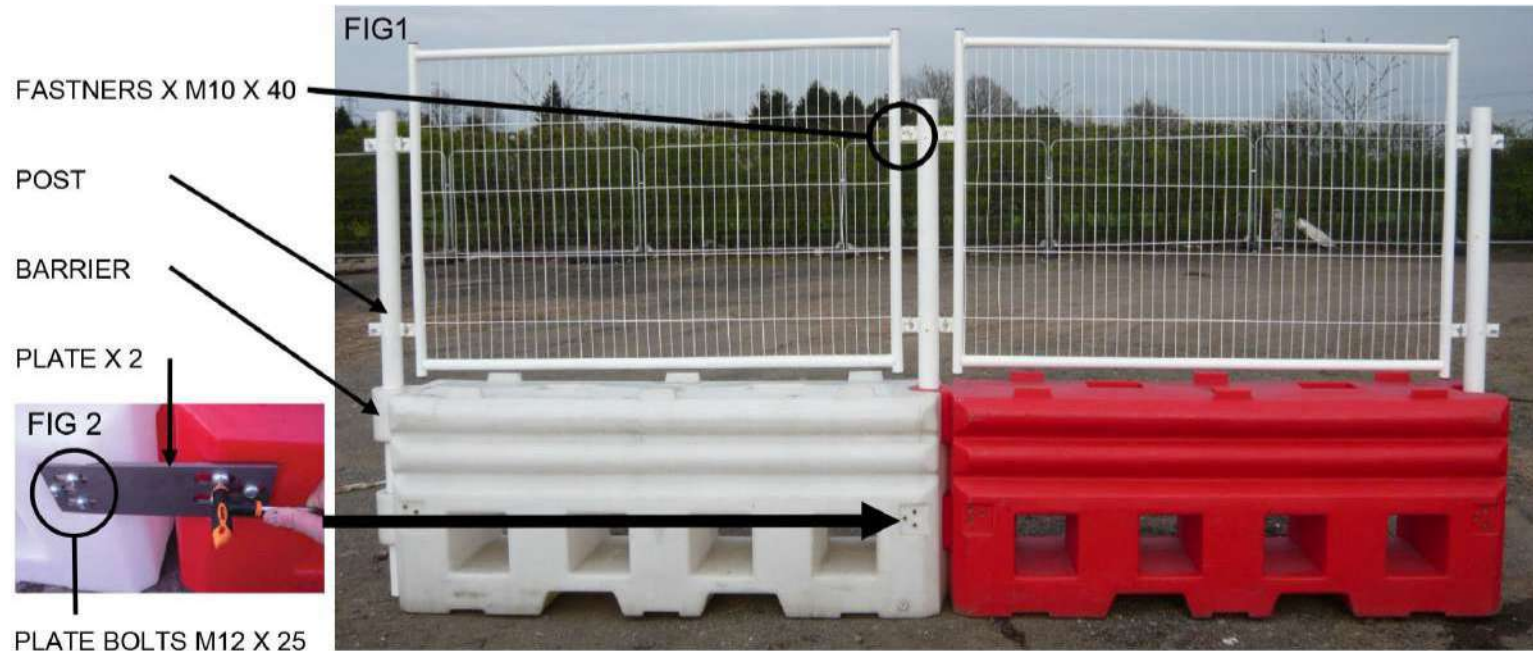
2

60 X RB22 BARRIER / PANEL STACKING



**NOTE:**  
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main panel height

### HOARDING & MESH ASSEMBLY



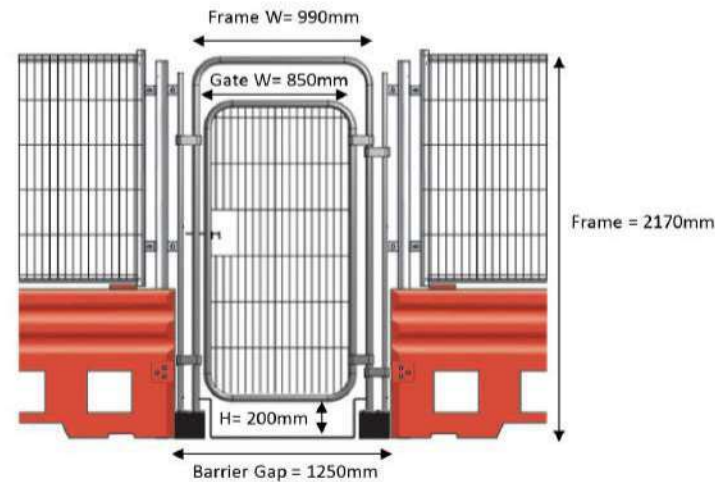
FILL PANELS

#### ASSEMBLY PROCESS:

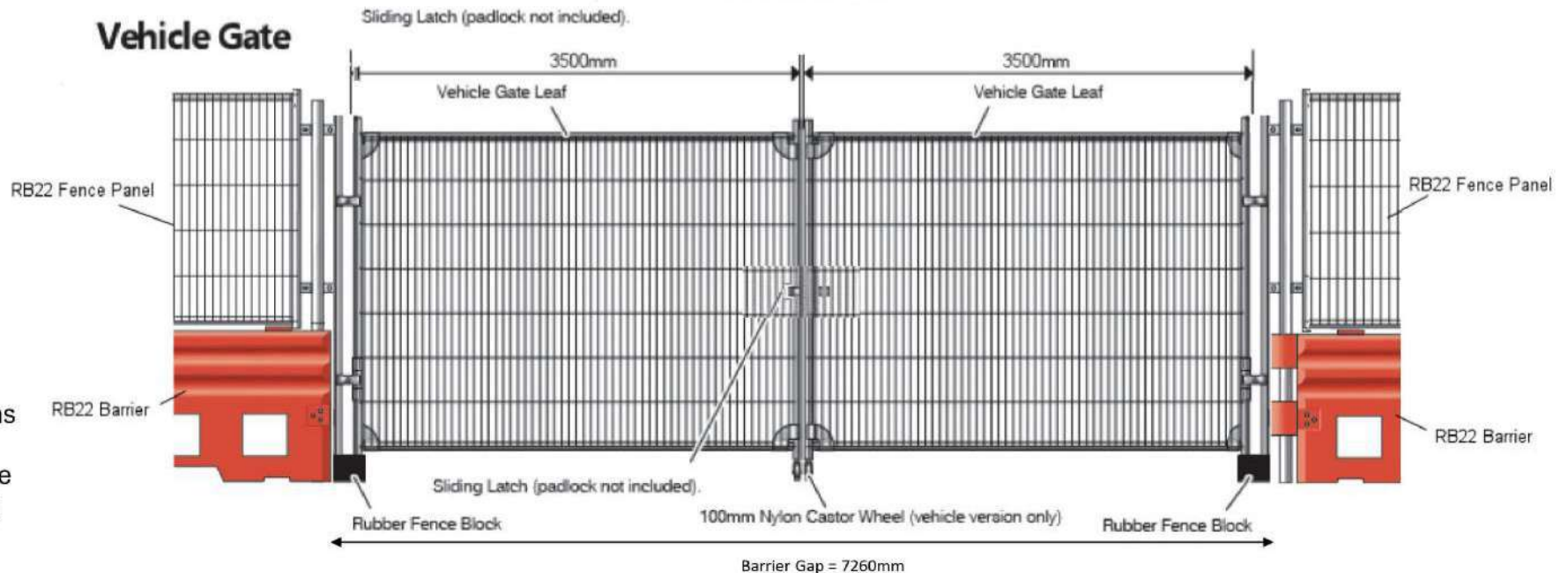
1. Push BARRIERS together tightly. (fig 1)
2. Insert POSTS into top holes and push down to ground, twisting of post or adjustment of barrier position may be needed if tight.
3. Fit PLATES in recesses on both sides of the barriers using 12 x M12 x 25mm bolts with washer. (fig 2)
4. Tighten using a 10mm Alan Key. **WARNING: DO NOT OVERTIGHTEN.**
5. With 2 fitters, position the PANELS (hoarding or mesh) aligning the lugs.
6. Fasten POST and PANEL through lugs holes, using 4 x M10 x 40mm bolts, using 2 x 17mm spanners. ENSURE THAT 2 WASHERS ARE FITTED UNDER EACH NUT AND BOLT - TOTAL 4 WASHERS PER BOLT - TO SPREAD THE LOAD. WHERE USING FILL PANELS SECURE THEM IN PLACE USING THE BOLTS AT THIS POINT.

## RB22 BARRIER AND GATES ASSEMBLY

### Pedestrian Gate



### Vehicle Gate



#### NOTE:

System dimensions are approximated and taken up to the main panel height

## **WARNING: FAILURE TO FOLLOW THESE GUIDELINES COULD RESULT IN INJURY OR DEATH**

**Oaklands Group always recommends that a site survey and a full risk assessment must be carried out before using the equipment.**

**It is the responsibility of the end user to make sure the system is suitable for their intended use. The system must be installed by an experienced and competent person and inspected regularly.**

**The information provided is for the Oaklands original parts and accessories only, and not valid for non-Oaklands supplied components.**

**Oaklands cannot be held responsible for the quality or performance of non-Oaklands supplied components.**

1. Tipping and sliding values, where provided, are as guide only and It is the customers responsibility to ensure the barrier and fencing system selected is suitable for their specific location.
2. The system should be installed on a flat, level surface.
3. Water ballast must be added to the correct level as indicated in the data sheet.
4. Water ballast level must be regularly checked and maintained to the fill level.
5. Connecting steel work and fencing systems must be regularly inspected for cracks of faults and replaced if faulty.
6. Connecting steel work fasteners must be regularly inspected for tightness.
7. In unsupported areas such as gates addition ballast may be required