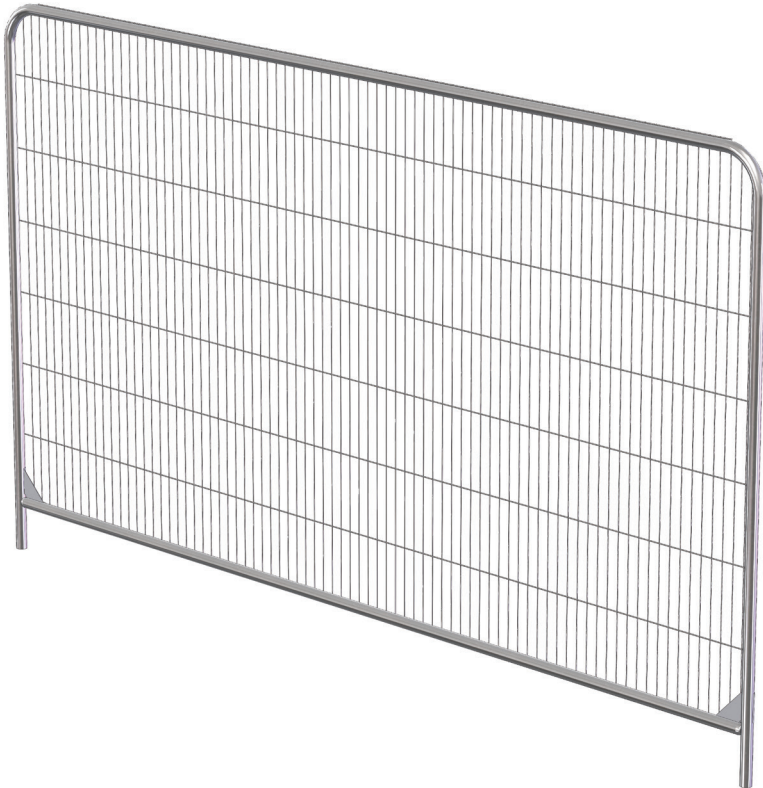




# FENCING & HOARDING

# FENCING & STABILITY

## Installation Guide



GENERATION  
HIRE & SALE

LW/09.22

# Altrad Generation

Shaping The Future Of Construction & Industry.

Altrad Generation is one of the largest suppliers of Scaffolding, Temporary Fencing and Access. Also supplying to multiple sectors in Groundworks, Safety, Edge Protection and within Ireland, formwork and falsework.

## OUR CUSTOMER PROMISE IS TO DELIVER:

1

### BEST QUALITY

We work in partnership with our suppliers to ensure we deliver consistent quality every time. We guarantee that our hire and sales products will meet and conform or exceed all statutory requirements and not let you down.

2

### BEST AVAILABILITY

We have the largest available inventory of temporary fencing, water filled and pedestrian barrier products. Our branch network and delivery fleet will ensure that we deliver what you need, when you need it.

3

### BEST PARTNERSHIP

We provide a full range of engineering, design and business services to partner and work with our customers. Talk to us today about how we can help you to grow your business.

4

### BEST PRICES

We use our position as the largest supplier of scaffolding, fencing and access products to negotiate the best rates for you. We guarantee you will get the best value products and service when you hire or buy from us.

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## Generation Wind Resistance Calculator

The Generation Wind Resistance Calculator service is a technical support resource specifically designed to help sites meet the requirements of BS5975 'Temporary Works Design' relative to temporary fencing and hoarding installations.

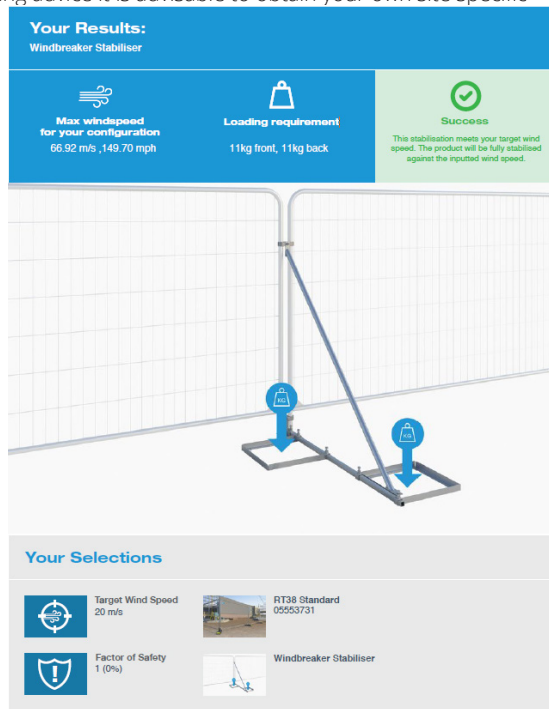
The service provides Generation customers with general guidance on the expected wind resistance capabilities of a range of freestanding fence panel products with various stability systems to help them choose the right product for safety and security for their site.

Before using the Calculator or requesting advice it is advisable to obtain your own site specific information such as prevailing wind speeds, direction of wind, location (coastal, inner city or exposed sites are more prone to the elements for example) and if a factor of safety is stipulated. Once the site specific wind speed has been obtained you can then configure a panel and stabilisation system to match those conditions. The resistance values are approximations and are for general guidance only.

The readings in this document refer to zone D which relates to 4th fence panel or 5th hoarding panel in a continuous run.

The results are based on the chosen stability method to be installed on every panel.

Note that wind-load calculation data is based on Generation product specifications and as such are only applicable to these products sourced from Generation either for hire or sale. Market alternatives may not give the same result as these readings so this document must not be used as reference to competitors products.



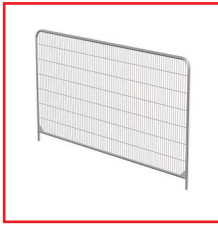
## Site Survey - Wind Resistance Calculator

To be able to provide an accurate quote, the Site Survey questionnaire will enable you to consider all the necessary factors in selecting the correct equipment to do the job intended. Failure to consider these may result in an unstable or unsecure perimeter fence hire.

Contact name:				
Company name:				
Phone number:				
Email address:				
Site Name:				
Site Address inc. Postcode				
Contract Duration:				
Fence Required Date:				
Fence Type:	Mesh		Solid	
Fence Height:	2.00m		2.40m	
Privacy Infills:	Vertical		Horizontal	
Fence Cover:	Netting		Solid	
Stabilising:	In Ground		Above Ground	
Space Restriction Behind Fence:	None		Yes	
Length of Space Restriction:				
Fence has to be resistant to wind speed:				
Factor Of Safety For Wind Speed Calc:				
Length of Fence Run:				
Gates Required:	Pedestrian:		Vehicle:	

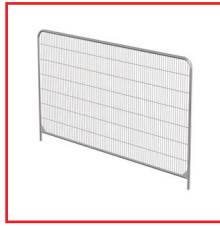
Further copies of the Site Survey can be downloaded in the downloads section at [www.generationhireandsale.co.uk](http://www.generationhireandsale.co.uk)

## Fencing Components & Accessories



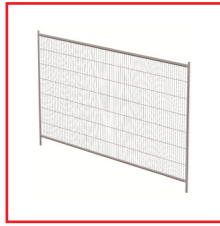
**Standard Round Top  
Anti-Climb Panel**

Code  
369039



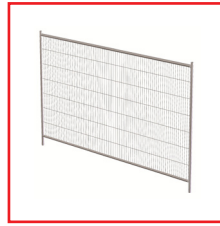
**Heavy Duty Round Top  
Anti-Climb Panel**

Code  
369042



**Standard Anti-Climb Panel**

Code  
369041



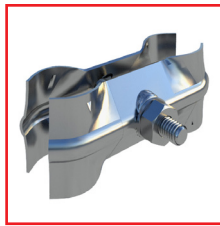
**Heavy Duty Anti-Climb  
Panel**

Code  
369040



**Hi-Vis Plastic Foot**

Code  
369046



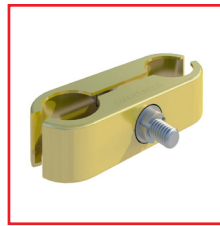
**Fence Coupler**

Code  
369048



**Gripper Coupler**

Code  
369421



**Heavy Duty Lockable  
Gripper Coupler**

Code  
369054



**Anti-Lift Device**

Code  
369049



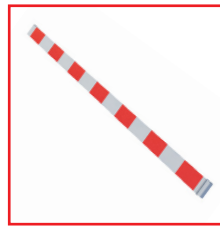
**Fence Stabiliser**

Code  
369100



**Stabiliser Pin**

Code  
369408



**Reflective Board**

Code  
369104

## Fencing Components & Accessories



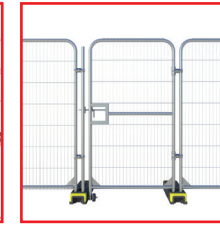
**Fence Stillage**

Code  
369000



**Barbed Wire Bracket  
Round Top**

Code  
369112



**1m Anti-Climb Round Top  
Ped Gate c/w Hinge**

Code  
369056



**4.2m Anti-Climb Round  
Top Vehicle Gate Latch  
and Hinge.**

Code  
369057

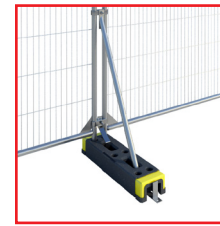


**Ballast Block Stabiliser**

Code  
369450

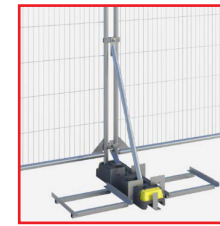
**50kg Ballast Block**

Code  
369451



**Stabiliser (HSG151) Small**

Code  
369102



**Block Cradle**

Code  
369096



**Fencing Stabiliser**

Code  
369100



**Hoarding Stabiliser**

Code  
369403

**Hoarding Rear Block Tray**

Code  
369404

**Hoarding Stabiliser Brace**

Code  
369446



**Zero Trip Stabiliser Brace**

Code  
369106

**Zero Trip Cranked  
Stabiliser**

Code  
369107

## Hoarding Components & Accessories

## Hoarding Components & Accessories

### Generation Windbreaker System

Generation provide a free site wind assessment to ensure you get the right fencing and hoarding for your site. Our range of products, expert support and wind portal analysis provides will identify the right wind-breaker and stability systems for your needs.

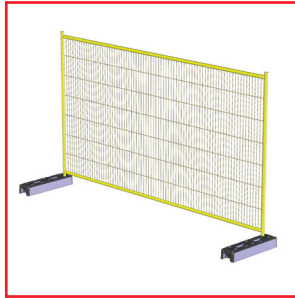


# Fencing Installation Guide

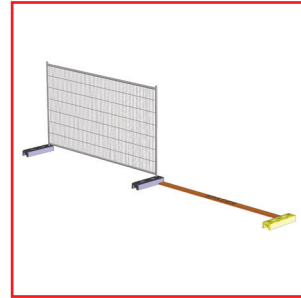
## 1. Fence with Stabiliser and Cross Brace



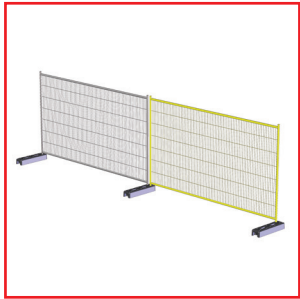
1. Use spacer to approximately position blocks.



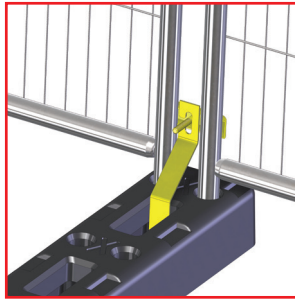
2. Position first panel.



3. Use spacer again for next block.



4. Position next panel.



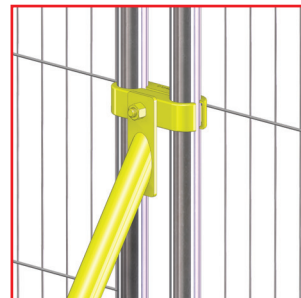
5. Fit Anti-Lift device through rectangular hole in fence foot and position so that fixing hole is in the centre of the vertical tube of panels.



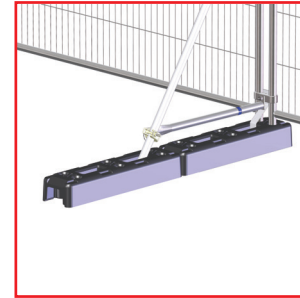
6. Select stabiliser and brace option. Either combined or separate items.



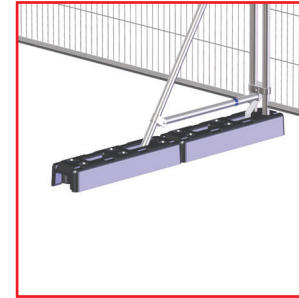
7. Insert stabiliser and brace (if applicable) through rectangular hole in block.



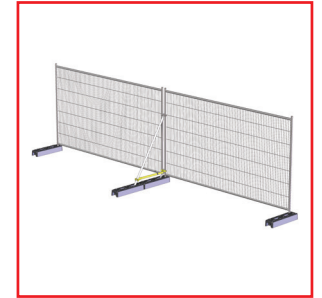
8. Loosely fit coupler to top of stabiliser then place in between the vertical tubes of fence panels.



9. When using the separate brace, connect swivel coupler to stabiliser, then connect other end to coupler joining fence panels, anti lift device and brace together. Ensure Anti-lift is fitted in between two halves of coupler and brace to the outside.



10. When using the combined stabiliser and brace, connect brace coupler joining fence panels, anti lift device and brace together. Ensure Anti-lift is fitted in between two halves of coupler and brace to the outside.

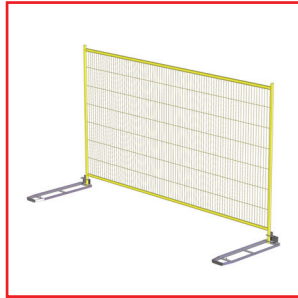


11. Securely tighten all fixings and repeat till fence run is complete.

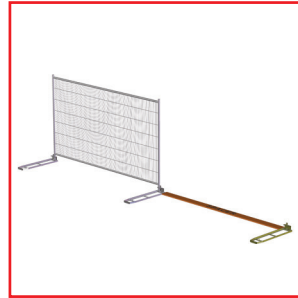
## 2. Fence with Zero-Trip Base



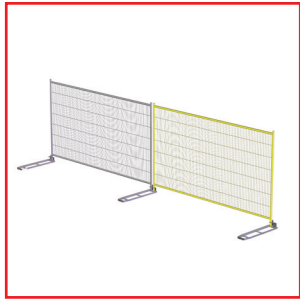
1. Use spacer to approximately position zero-trip trays.



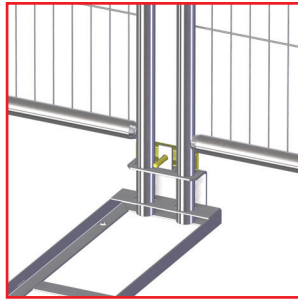
2. Position first panel.



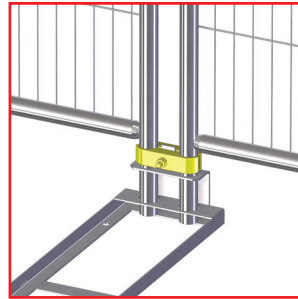
3. Use spacer again for next zero-trip base.



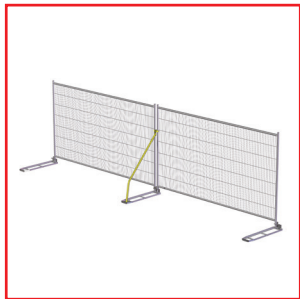
4. Position next panel.



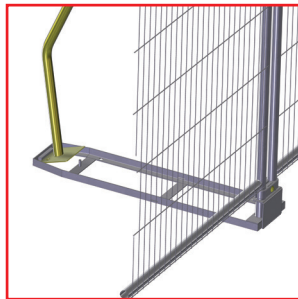
5. Fit back half of gripper coupler into zero-trip base.



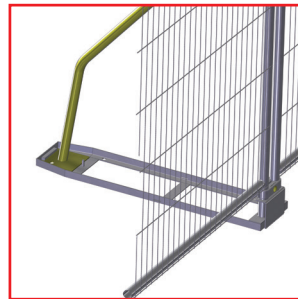
6. Fit front half of gripper coupler and tighten up.



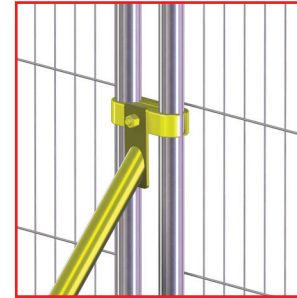
7. Fit cranked stabiliser.



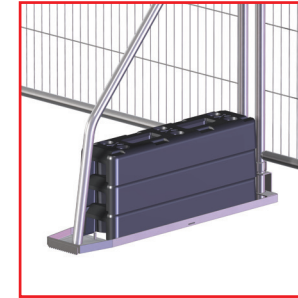
8. Position base of stabiliser under bar on the zero-trip base.



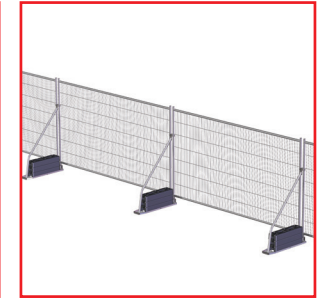
9. Roll stabiliser forward towards the gripper coupler.



10. Fit top of stabiliser onto face of gripper coupler and tighten up.



11. Load blocks onto base.



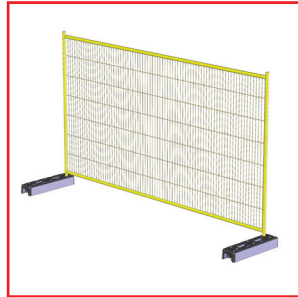
12. Repeat from 3.

## Fencing Installation Guide

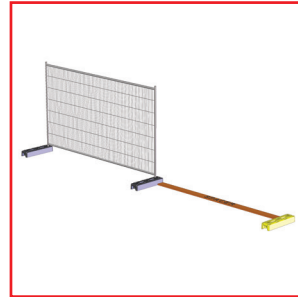
### 3. Fence with Stabiliser, Cross Brace and Block Tray



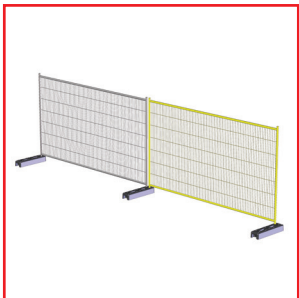
1. Use spacer to approximately position blocks.



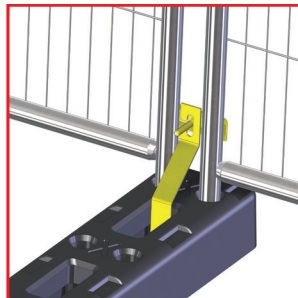
2. Position first panel.



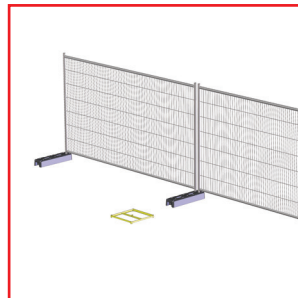
3. Use spacer again for next block.



4. Position next panel.



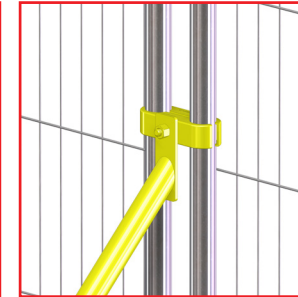
5. Fit Anti-Lift device through rectangular hole in fence foot and position so that fixing hole is in the centre of the vertical tube of panels.



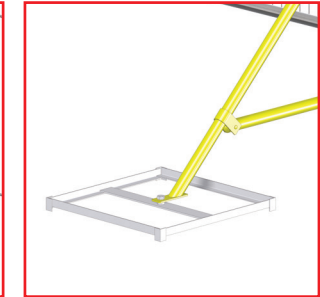
6. Place rear block tray in approximately the correct position behind the fence line.



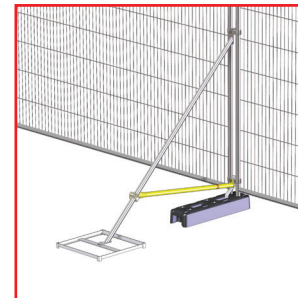
7. Select stabiliser and brace option...either combined or separate items.



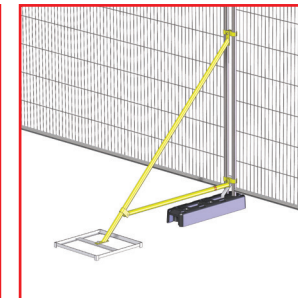
8. Loosely fit coupler to top of stabiliser then place in between the vertical tubes of fence panels.



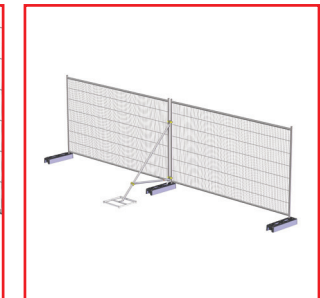
9. Loosely fit block tray on the bottom of the hoarding stabiliser.



10. When using the separate brace, connect swivel coupler to stabiliser, then connect other end to coupler joining fence panels, anti lift device and brace together. Ensure Anti-lift is fitted in between two halves of coupler and brace to the outside.



11. When using the combined stabiliser and brace, connect brace coupler joining fence panels, anti lift device and brace together. Ensure Anti-lift is fitted in between two halves of coupler and brace to the outside.



12. Adjust stabiliser, block tray and cross brace together then tighten all fixings.

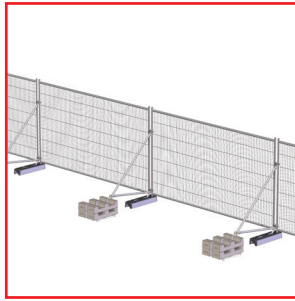
## Fencing Installation Guide



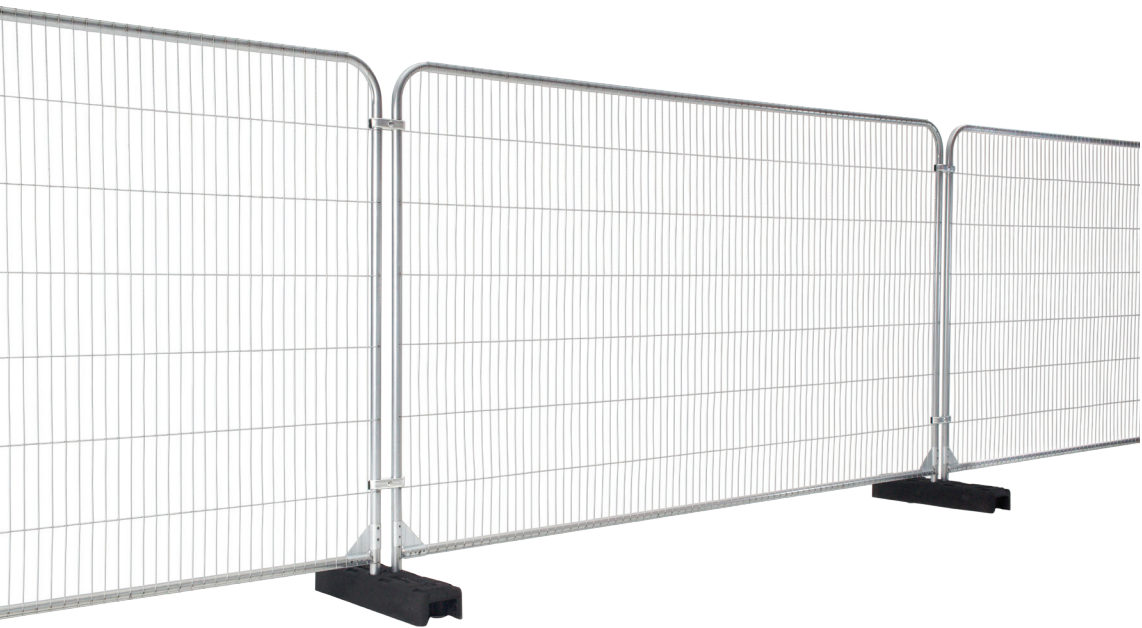
## Fencing Installation Guide



13. Load required number of block on tray.



14. Repeat from 3.

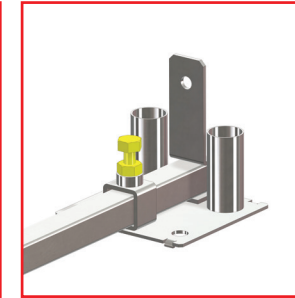


## Fencing Installation Guide

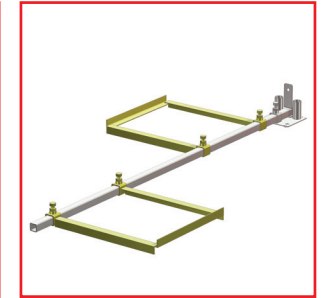
### 4. Fence with Windbreaker Stabiliser



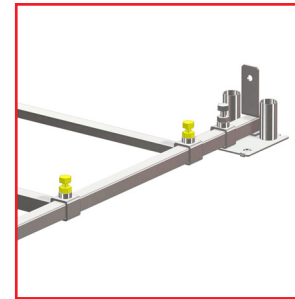
1. Fit bottom tube into Windbreaker base.



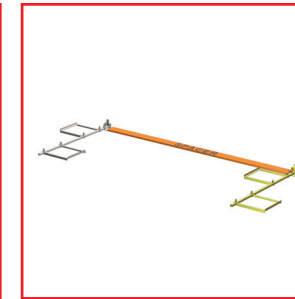
2. Tighten tube clamp.



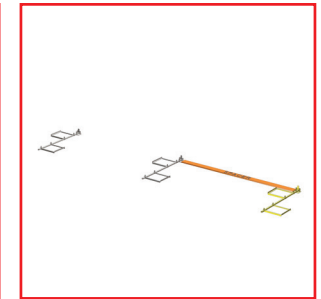
3. Roughly position required number of block trays onto the bottom tube.



4. Tighten tube clamps on block tray nearest Windbreaker base.

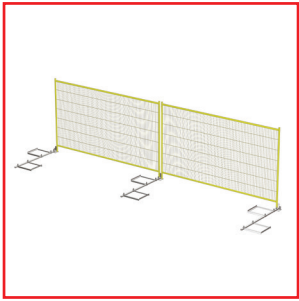


5. Repeat steps 1 to 4 to make second bottom tube sub-assembly and use spacer to approximately position it with the first sub-assembly.

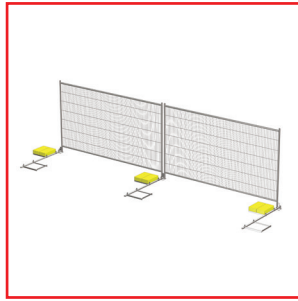


6. Use spacer again to roughly position third bottom tube sub-assembly.

## Fencing Installation Guide



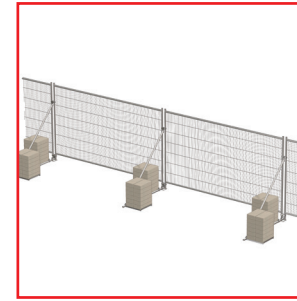
7. Fit fence panels into Windbreaker bases.



8. Put Concrete Blocks onto front block tray of each bottom tube sub-assembly.



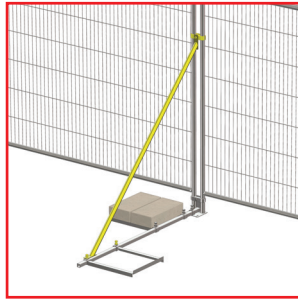
9. Fit back half of gripper coupler into middle Windbreaker base.



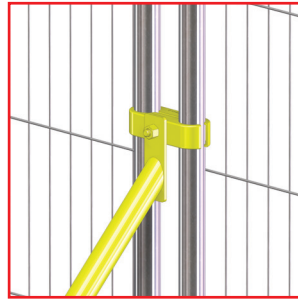
16. Repeat from 6.



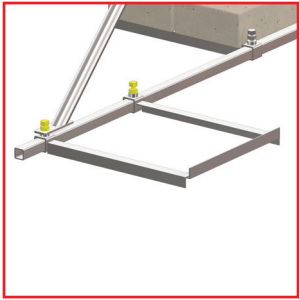
10. Fit front half of gripper coupler and tighten up.



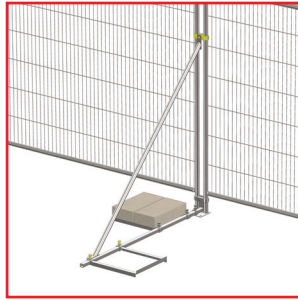
11. Fit rear hoarding stabiliser and top coupler at the same time.



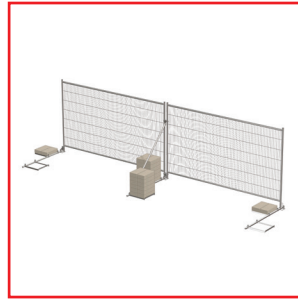
12. Stabiliser and top coupler fittings only to be finger tight.



13. Stabiliser and rear block tray fittings only to be finger tight.



14. Adjust stabiliser, top coupler and rear block tray together and tighten up all the fittings.

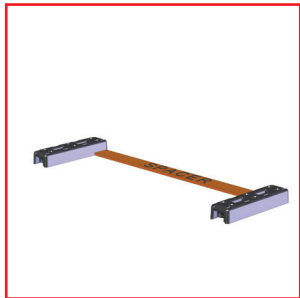


15. Load required number of Concrete Blocks into stabiliser blocks trays.

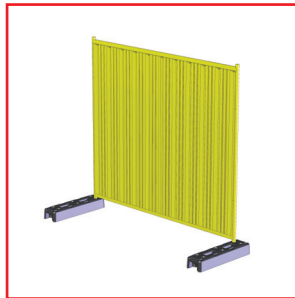
## Fencing Installation Guide

## Hoarding Installation Guide

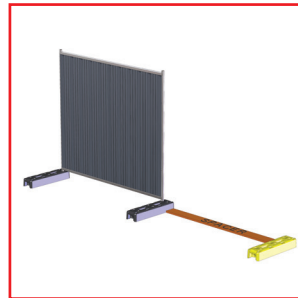
### 1. Hoarding with Rear Stabiliser, Cross Brace and Block Tray



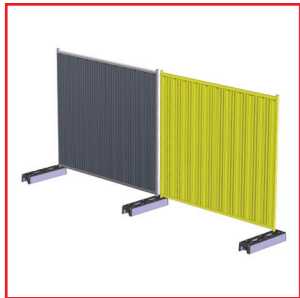
1. Use spacer to approximately position blocks.



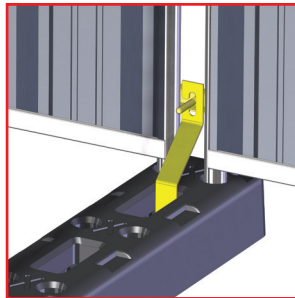
2. Position first panel.



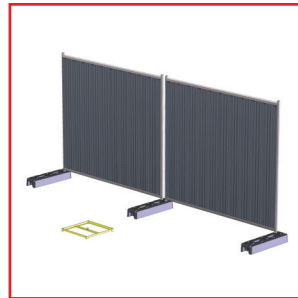
3. Use spacer again for next block.



4. Position next panel.



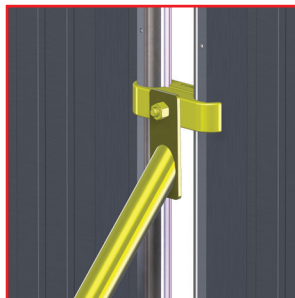
5. Fit anti-lift bracket into back half of coupler.



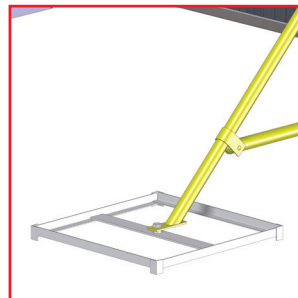
6. Place rear Block Tray in approximate position.



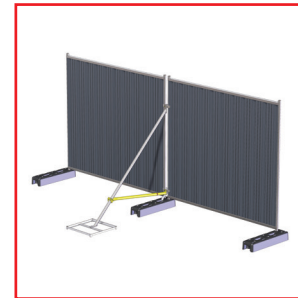
7. Select stabiliser and brace option. Either combined or separate items.



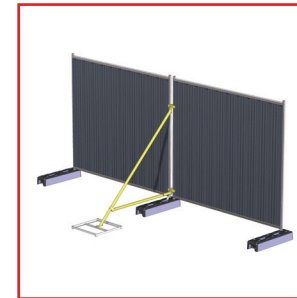
8. Loosely fit coupler to top of stabiliser then place in between the vertical tubes of fence panels.



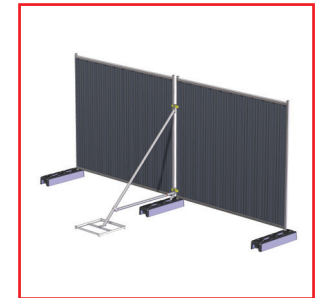
9. Loosely fit block tray on the bottom of the hoarding stabiliser.



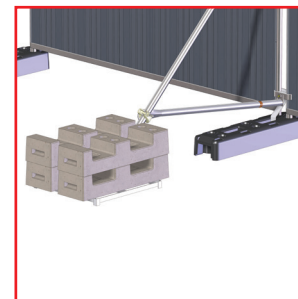
10. When using the separate brace, connect swivel coupler to stabiliser, then connect other end to coupler joining fence panels, anti lift device and brace together. Ensure Anti-lift is fitted in between two halves of coupler and brace to the outside.



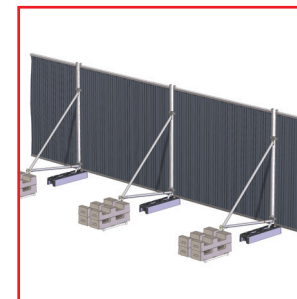
11. When using the combined stabiliser and brace, connect brace coupler joining fence panels, anti lift device and brace together. Ensure Anti-lift is fitted in between two halves of coupler and brace to the outside.



12. Adjust stabiliser, block tray and cross brace together then tighten all fixings.



13. Load required number of block on tray.



14. Repeat from 3

## Hoarding Installation Guide

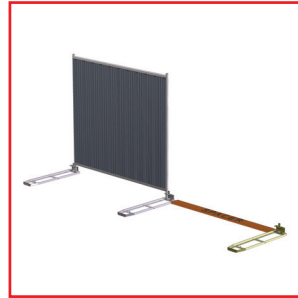
### 2. Hoarding with Rear Zero-Trip Stabiliser



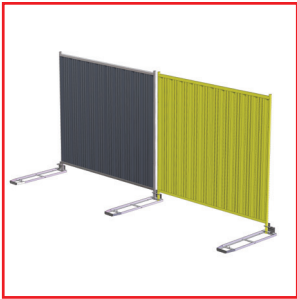
1. Use spacer to approximately position zero-trip trays.



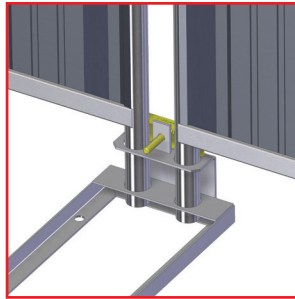
2. Position first panel.



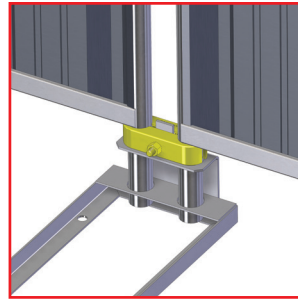
3. Use spacer again for next zero-trip base.



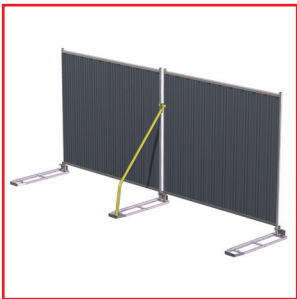
4. Position next panel.



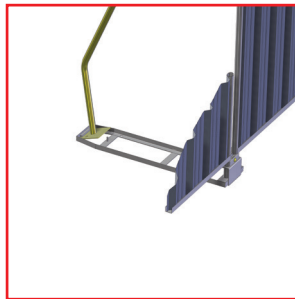
5. Fit back half of gripper coupler into zero-trip base.



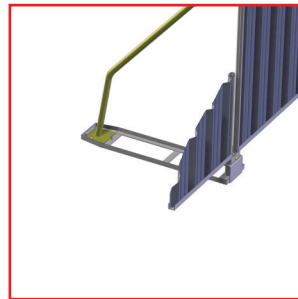
6. Fit front half of gripper coupler and tighten up.



7. Fit cranked stabiliser.

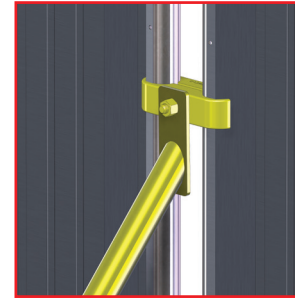


8. Position base of stabiliser under bar on the zero-trip base.

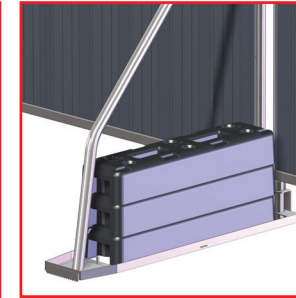


9. Roll stabiliser forward towards the gripper coupler.

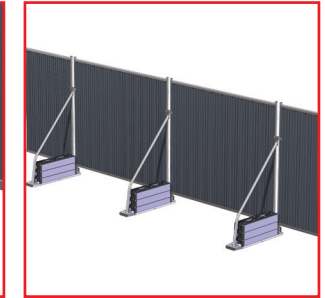
## Hoarding Installation Guide



10. Fit top of stabiliser onto face of gripper coupler and tighten up.



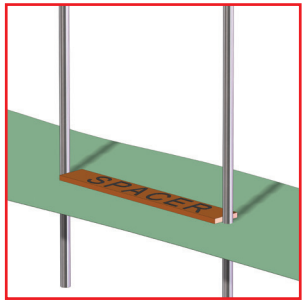
11. Load blocks onto base.



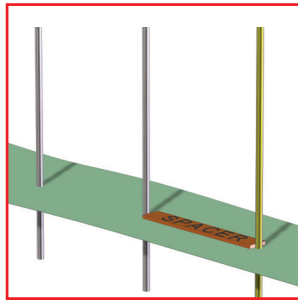
12. Repeat from 3

# Hoarding Installation Guide

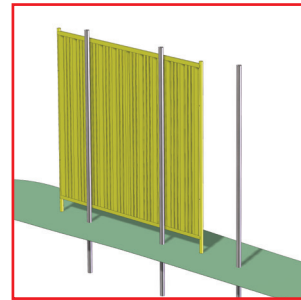
## 3. Hoarding with Scaffold Poles and Hoarding Couplers



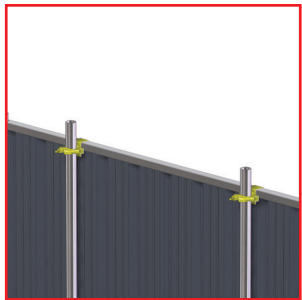
1. Use spacer to position scaffold poles.



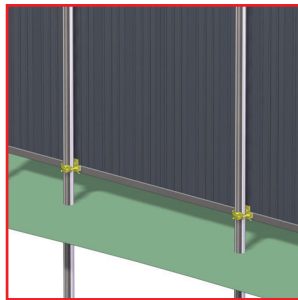
2. Use spacer to position additional poles.



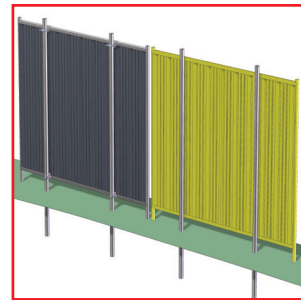
3. Rest first panel against poles. Position equal left to right to suit pole centres.



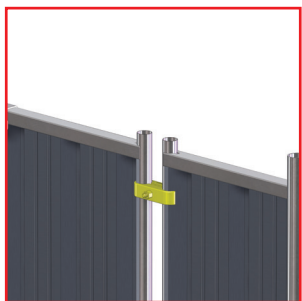
4. Secure top of panel with 2 x DK couplers.



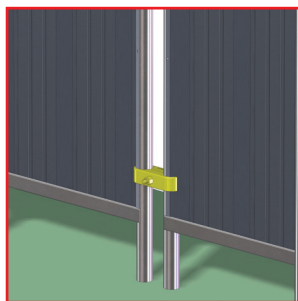
5. Secure bottom of panel with 2 x DK couplers.



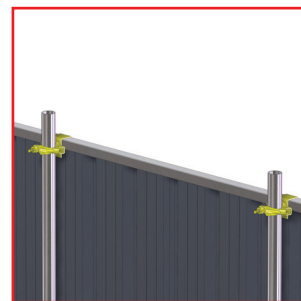
6. Rest second panel against poles.



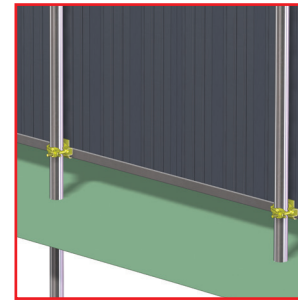
7. Position panel left to right by fitting top gripper coupler.



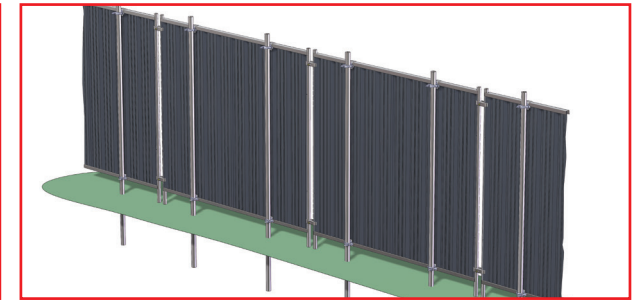
8. Fit bottom gripper coupler.



9. Secure top of second panel by fitting 2 x DK couplers.



10. Secure bottom of second panel by fitting 2 x DK couplers.

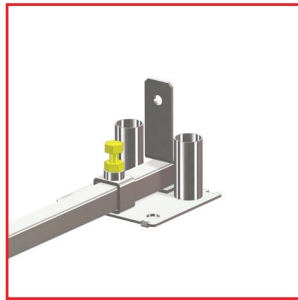


11. Repeat from 6

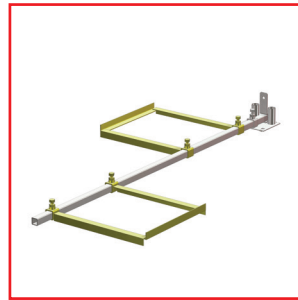
## 4. Hoarding with Windbreaker Stabiliser



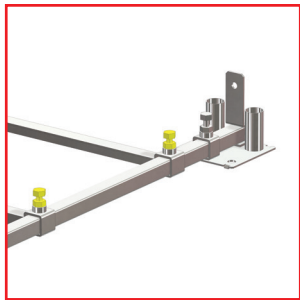
1. Fit bottom tube into Windbreaker base.



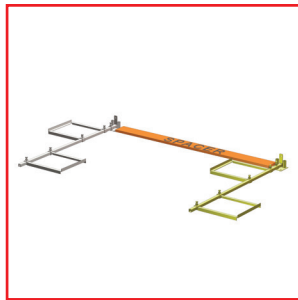
2. Tighten tube clamp.



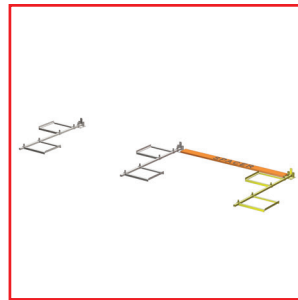
3. Roughly position required number of block trays onto the bottom tube.



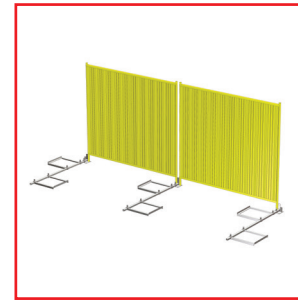
4. Tighten tube clamps on block tray nearest Windbreaker base.



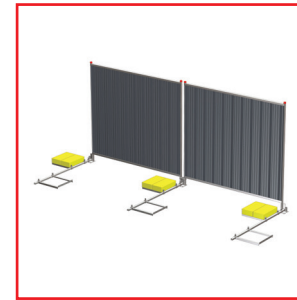
5. Repeat steps 1 to 4 to make second bottom tube sub-assembly and use spacer to approximately position it with the first sub-assembly.



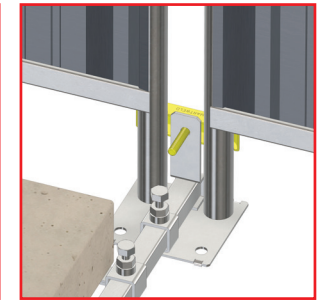
6. Use spacer again to roughly position third bottom tube sub-assembly.



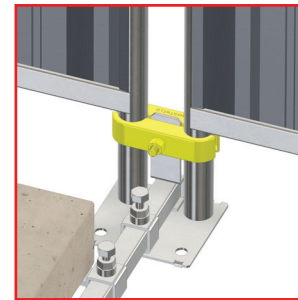
7. Fit hoarding panels into Windbreaker bases.



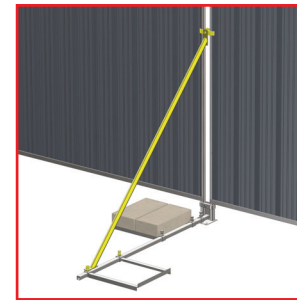
8. Put Concrete Blocks onto front block tray of each bottom tube sub-assembly.



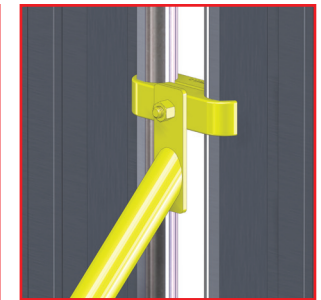
9. Fit back half of gripper coupler into middle Windbreaker base.



10. Fit front half of gripper coupler and tighten up.



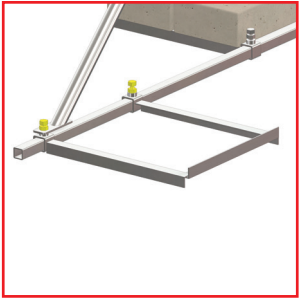
11. Fit rear hoarding stabiliser and top coupler at the same time.



12. Stabiliser and top coupler fittings only to be finger tight.

## Hoarding Installation Guide

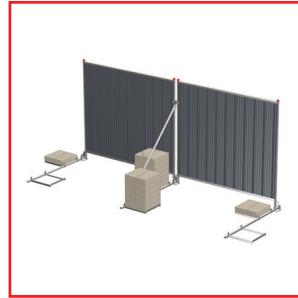
## Notes



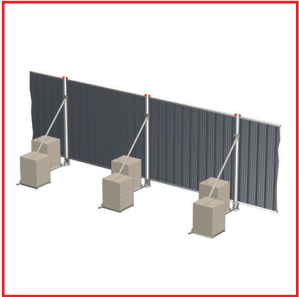
13. Stabiliser and rear block tray fittings only to be finger tight.



14. Adjust stabiliser, top coupler and rear block tray together and tighten up all the fittings.



15. Load required number of Concrete Blocks into stabiliser blocks trays.



16. Repeat from 6



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