

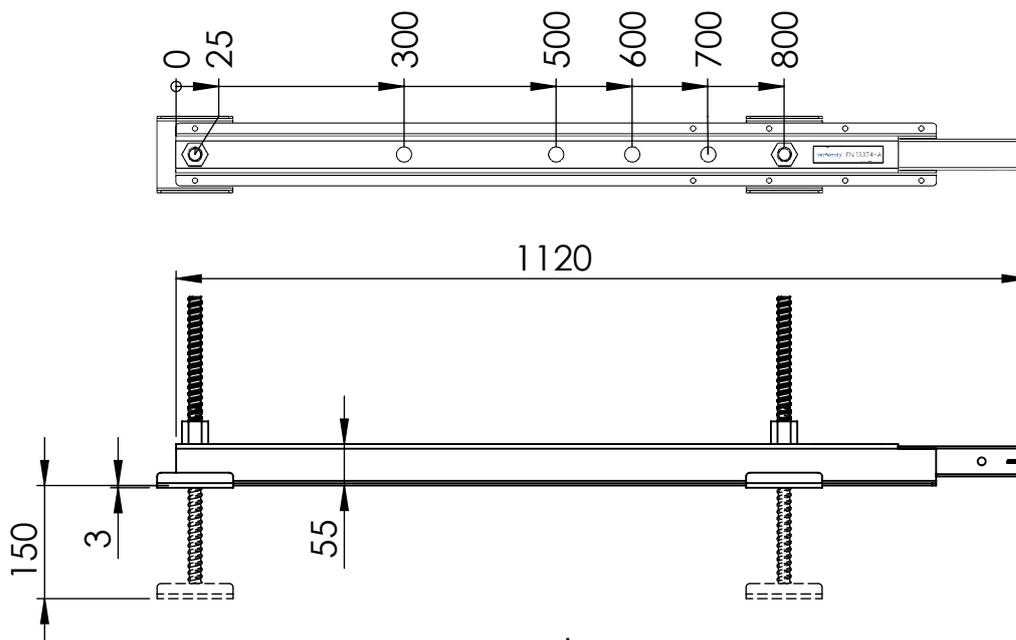
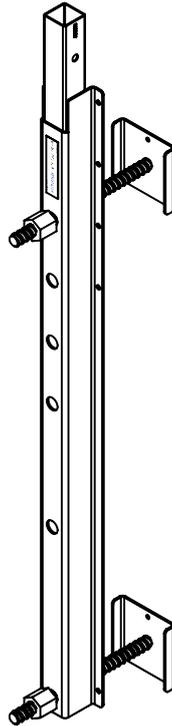
# TD V122-019 (en)

Part No.: V122-019  
Name: VS Shuttering Attachment  
Weight: 6.59 kg  
Standard: EN 13374-A  
Material: Galvanised Steel  
Dimensions: mm



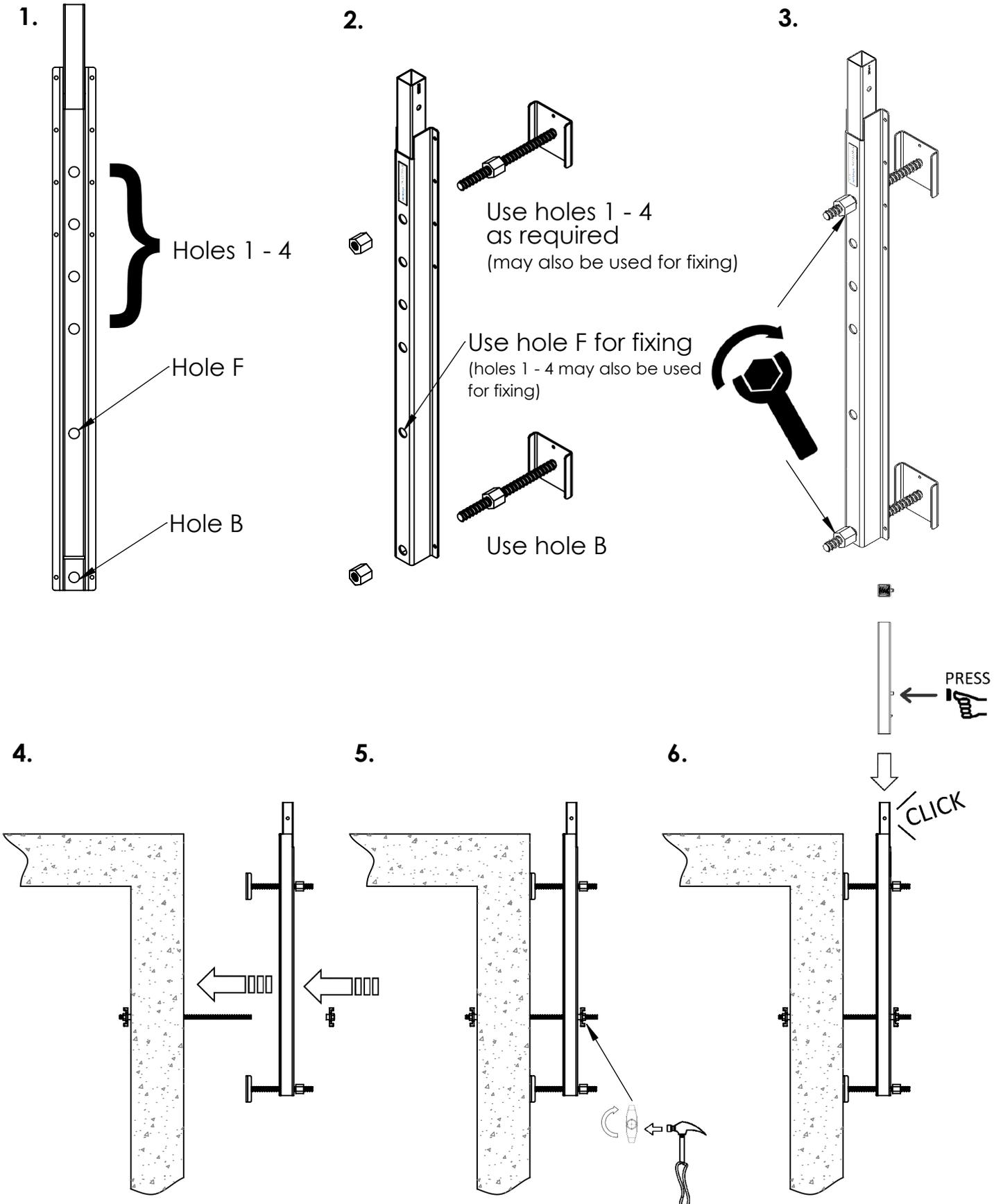
This Technical Document must always be used in conjunction with **vertemax's General Qualifications** -See below

1. Always plan your work and installation
2. Always select the right equipment
3. Always regularly inspect your system



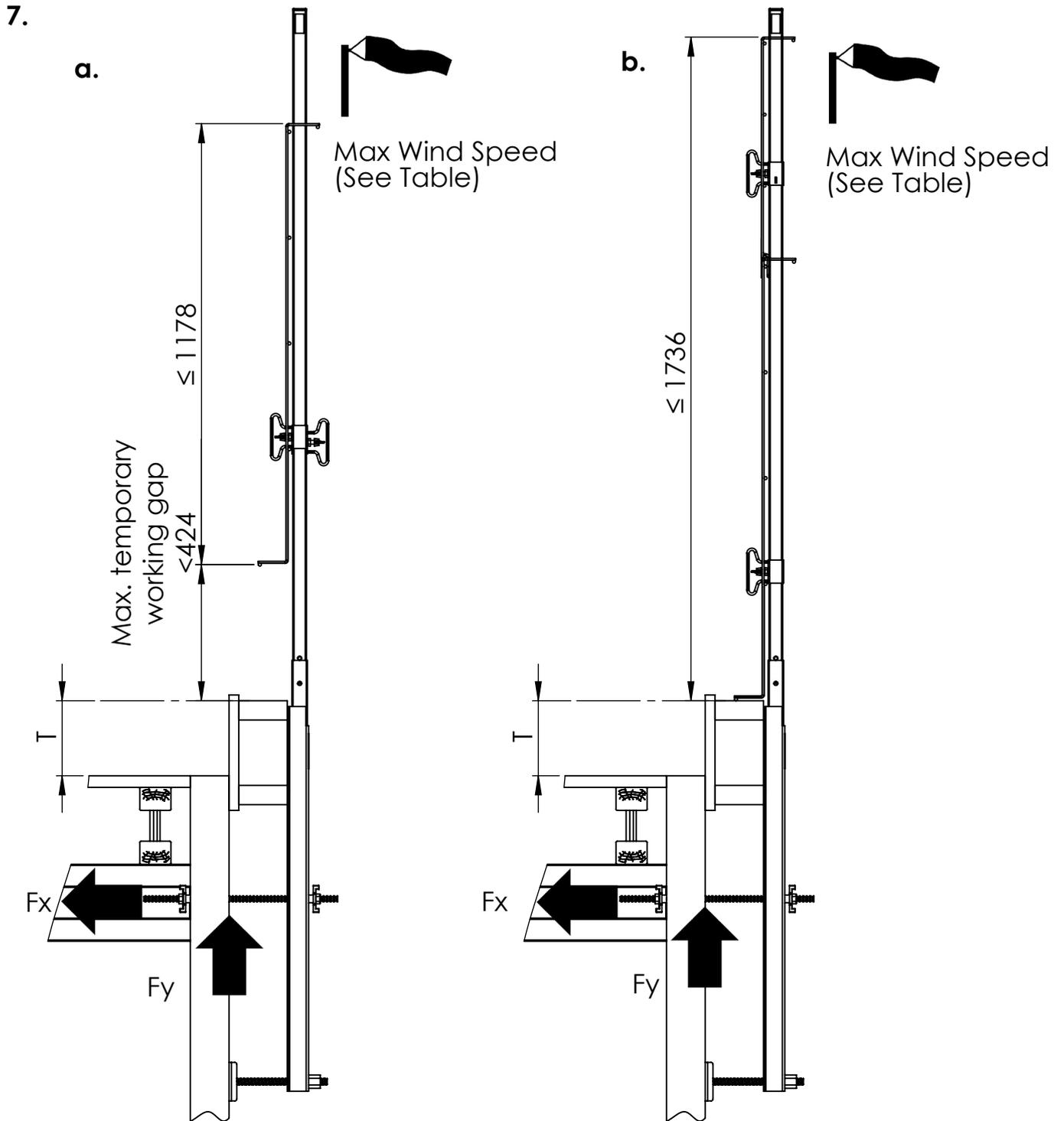
[www.vertemax.com](http://www.vertemax.com)

## No Shuttering



www.vertemax.com

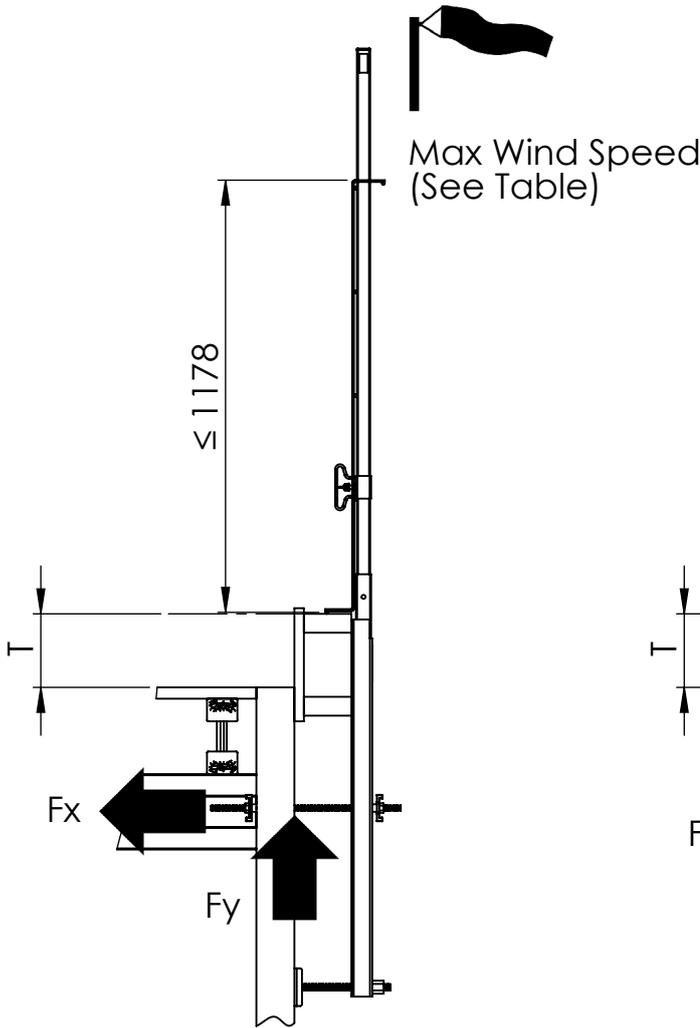
T [mm]	200	300	400
Post C-C [mm]	≤2400	≤1100	≤ 600



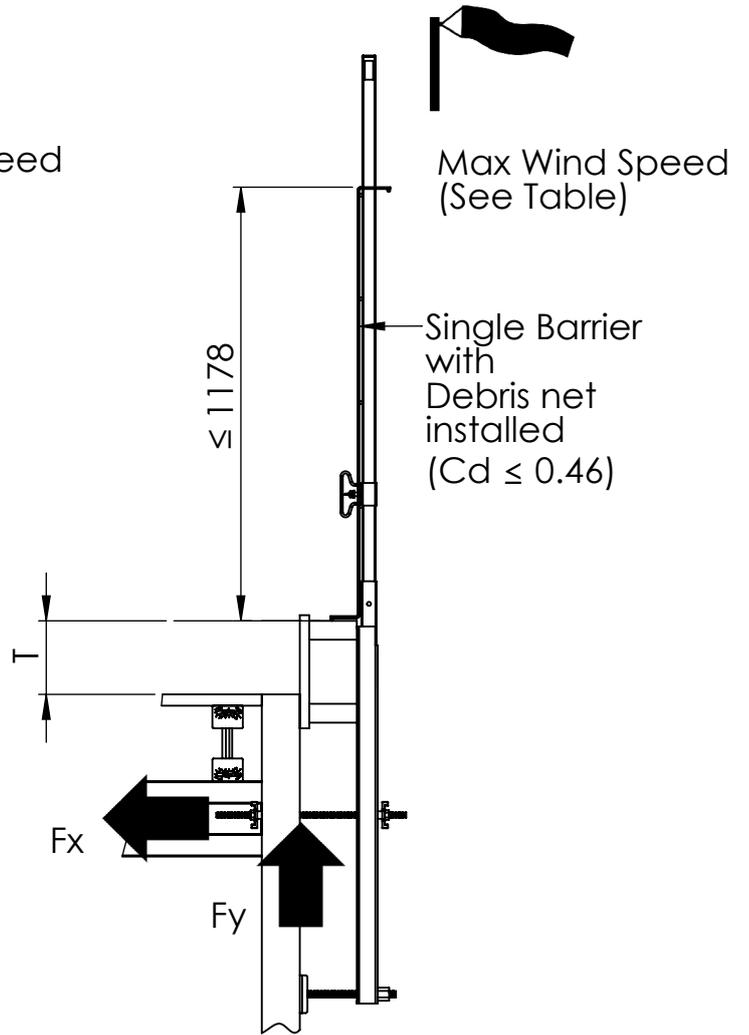
See Table for  $F_x$  &  $F_y$  values

## 7. (cont.)

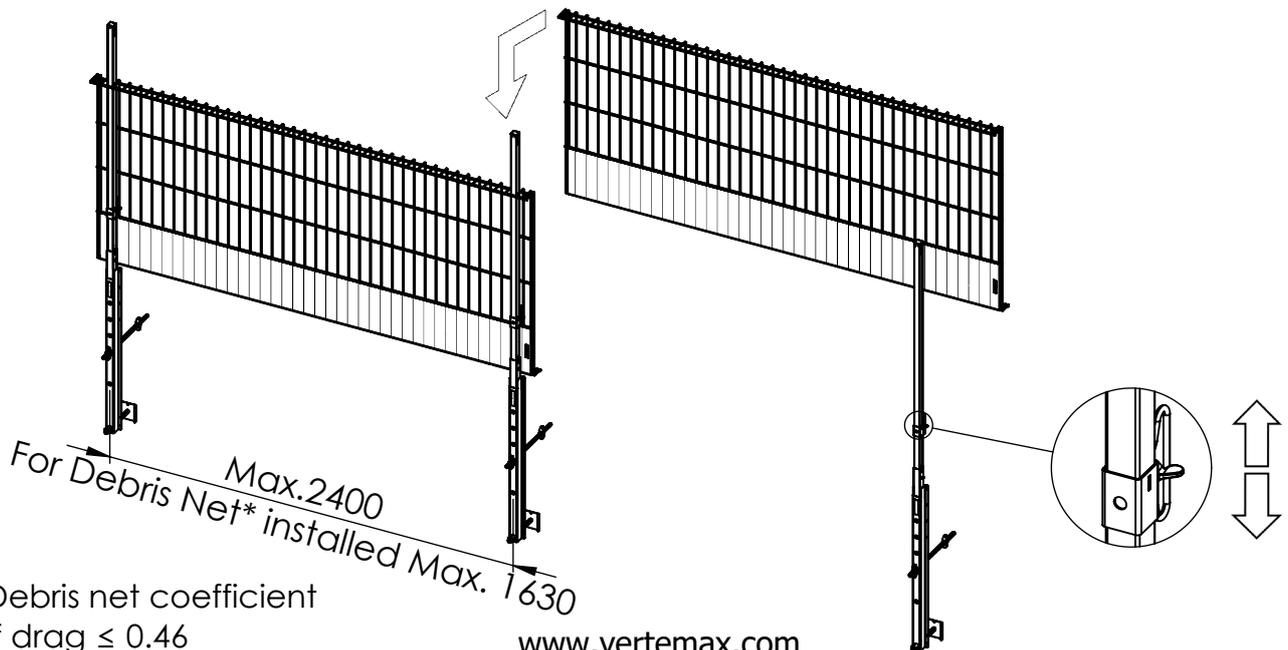
c.



d.



See Table for  $F_x$  &  $F_y$  values



\*Debris net coefficient of drag  $\leq 0.46$

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8) For MK2-90 Configurations:

a. Standard Barrier in raised position					
Concrete Thickness (T) [mm]	Post C-C [mm]	Raised height [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	317	32	3.3	1.7
300	≤ 1100	556	33.1		
400	≤ 600	652	35.4		

b. Standard Barrier + Make-up Barrier				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	32	2.9	1.8
300	≤ 1100		2.7	
400	≤ 600		2.6	

c. Standard Barrier				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	36.8	2.5	1.7
300	≤ 1100	40.5	2.4	
400	≤ 600	42.5	2.4	

d. Standard Barrier + Debris Net				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 1725	38.5	3.0	1.7
300	≤ 1100	40.5	2.9	
400	≤ 600	42.5	2.7	

9) For MK4 Configurations:

a. Standard Barrier in raised position					
Concrete Thickness (T) [mm]	Post C-C [mm]	Raised height [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	175	32	3.3	1.64
300	≤ 1100	331			
400	≤ 600	416			

b. Standard Barrier + Make-up Barrier				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	N/A	N/A	N/A
300	≤ 1100			
400	≤ 600			

c. Standard Barrier				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	33	2.7	1.64
300	≤ 1100	34.4	2.63	
400	≤ 600	35	2.6	

d. Standard Barrier + Debris Net				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 1030	34.5	2.6	1.64
300	≤ 1030	34.5	2.6	
400	≤ 600	35	3.0	

10) For MK5 Configurations:

a. Standard Barrier in raised position					
Concrete Thickness (T) [mm]	Post C-C [mm]	Raised height [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	387	32	3.3	1.64
300	≤ 1100	574	33.6		
400	≤ 600	650	35.5		

b. Standard Barrier + Make-up Barrier				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	32	2.8	1.8
300	≤ 1100		2.63	
400	≤ 600		2.6	

c. Standard Barrier				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	38	2.4	1.64
300	≤ 1100	40.7		
400	≤ 600	41.8		

d. Standard Barrier + Debris Net				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 1630	39.5	2.9	1.64
300	≤ 1100	40.6	3	
400	≤ 600	41.8	2.8	

11) For MK6 Configurations:

a. Standard Barrier in raised position					
Concrete Thickness (T) [mm]	Post C-C [mm]	Raised height [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	511	32.2	3.3	1.6
300	≤ 1100	664	35.8		
400	≤ 600	745	38.2		

b. Standard Barrier + Make-up Barrier				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	32	2.6	1.7
300	≤ 1100	32.6	2.6	
400	≤ 600	33	2.3	

c. Standard Barrier				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 2400	42.4	2.4	1.6
300	≤ 1100	45.5	2.3	
400	≤ 600	47	2.3	

d. Standard Barrier + Debris Net				
Concrete Thickness (T) [mm]	Post C-C [mm]	Max. wind speed [m/s]	Pull out Load (Fy) [kN]	Shear Load (Fy) [kN]
200	≤ 1826	43.7	3.0	1.6
300	≤ 1100	45.5	2.8	
400	≤ 600	46.9	2.6	

## General Qualifications



**These General Qualifications are applicable to all vertemax products and must always be read in conjunction with each products Technical Documentation (TD).**

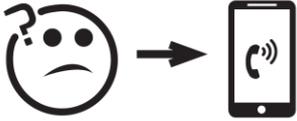
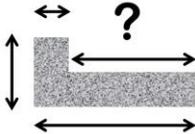
### **General**

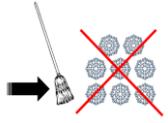
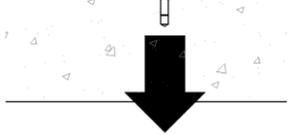
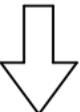
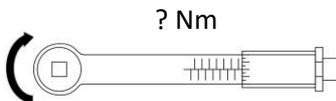
- Always check general product condition before use
- If in doubt always ask by contacting a representative of vertemax
- Reject any damaged or rusty components
- vertemax products and systems provide temporary protection during construction activity.
- vertemax products are NOT tested or intended:
  - to withstand impact by any vehicle,
  - to support or provide control of the public,
  - for the containment of bulk materials.

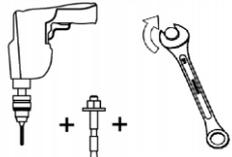
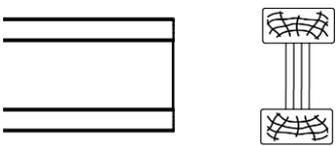
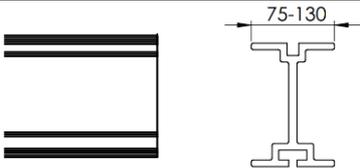
### **Always Plan your works**

- Take note of location, proximity to permanent and temporary hazard structures.
- Take note of dimensions, layout and access areas.
- Always identify both the fall hazard for the installer and the falling materials hazard for persons and property below.
- These identified hazards should also be considered on dismantling.
- vertemax strongly recommends seeking competent Work at Height advice if in any doubt about the installer's or other's safety.
- Note the component weight as given on the TD sheets and ensure suitable handling equipment is available.
- Ensure local site Risk Assessment / Method Statement detail is observed and followed.

<b>Fixing selection</b>
<ul style="list-style-type: none"> <li>• All fixings should be confirmed as suitable for the chosen application site.</li> <li>• Material type and thickness, edge proximity, depth of embedment, and proximity to other fixings, all impact the strength of a fixing. Please refer to manufacturer's instructions for fixing guidance and limitation.</li> <li>• The dimensions for installation and the load capacity should be confirmed by the fixing manufacturer for each application.</li> <li>• Competent fixings advice should be sought if in any doubt.</li> </ul>
<b>Fine mesh containment</b>
<ul style="list-style-type: none"> <li>• Note that the addition of any fine containment mesh (such as on barriers or safety nets) increases the wind load attracted to the supports.</li> <li>• Technical advice must be sought before any such addition.</li> </ul>
<b>Weather</b>
<ul style="list-style-type: none"> <li>• vertemax products and systems can be adversely impacted by significant wind speeds. Please note limitations on product TD and take any recommended remedial action. If in doubt, contact a vertemax representative.</li> <li>• If in doubt, cease work, and use additional protection measures as required.</li> <li>• All safety systems should be kept clear of ice and snow.</li> </ul>
<b>Inspection</b>
<ul style="list-style-type: none"> <li>• All installed systems should be checked at least once every 7 days by a competent person, to ensure its continued integrity and that there are no signs of any potential failing.</li> <li>• We recommend that these checks are recorded in a site log.</li> <li>• Please ensure any defective product identified during inspection is replaced immediately.</li> </ul>
<b>Loading</b>
<ul style="list-style-type: none"> <li>• Any vertemax products subjected to loading, or used in anger, should be assessed to ensure it continues to provide the necessary protection. If this involves removing from service you must ensure the area is otherwise protected.</li> <li>• The system should then be fully inspected, any components replaced as necessary, and the installation confirmed as fit for continued use by a competent person.</li> </ul>
<b>Storage</b>
<ul style="list-style-type: none"> <li>• vertemax recommends the use of its own storage and transit solutions.</li> <li>• Take careful note of lifting and loading limits.</li> <li>• All components should be stored in a manner that limits any detrimental environmental effect due to weather or corrosive substances.</li> </ul>
<b>Traceability</b>
<ul style="list-style-type: none"> <li>• All vertemax products are traceable.</li> </ul>

Key		
	Symbol	Meaning
1.		Tech Data
2.		If in doubt, check online @ www.vertemax.com
3.		If in doubt call vertemax Ltd on +44 (0)1227 711072
4		Always Check/ Always confirm
5		Fall Hazard
6		Do this
7		Don't do this
8		Be Aware
9		Recycle damaged materials
10		Recommended Distance

11		Secure yourself against falling
12		Protect those below from falling equipment
13		Catch fan – Keep Clean from snow
14		Shear Load
15		Tensile Load
16		Moment Load
17		Max Wind Load
18		Check Weekly
19		Insert
20		Install
21		Torque Spanner and settings

22		Flat Head Screwdriver
23		Cross Head/Phillips Screwdriver
24		Tighten
25		Untighten
26		Tighten by hand
27		Drill and select appropriate anchor
28		Floor/General
29		Concrete slab/floor
30		Timber Beam
31		Alu Beam