

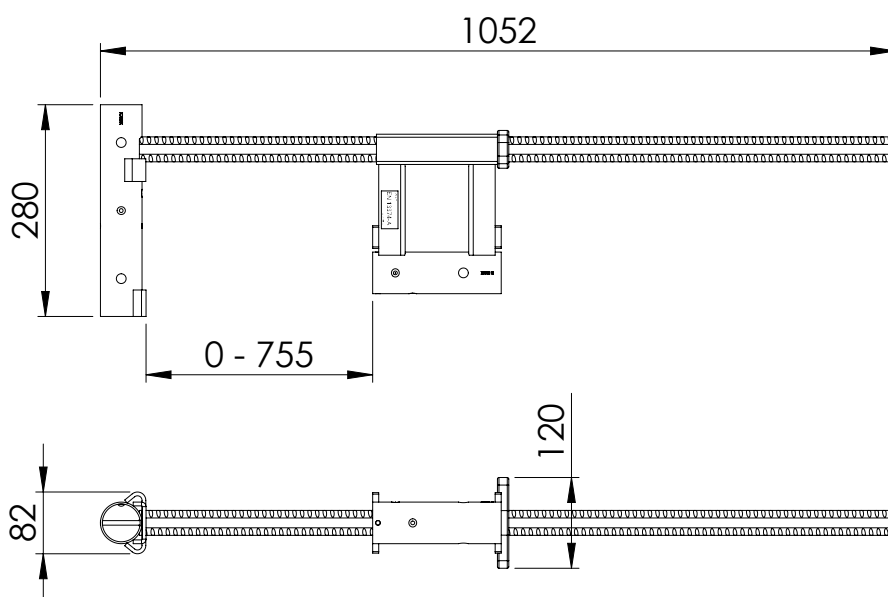
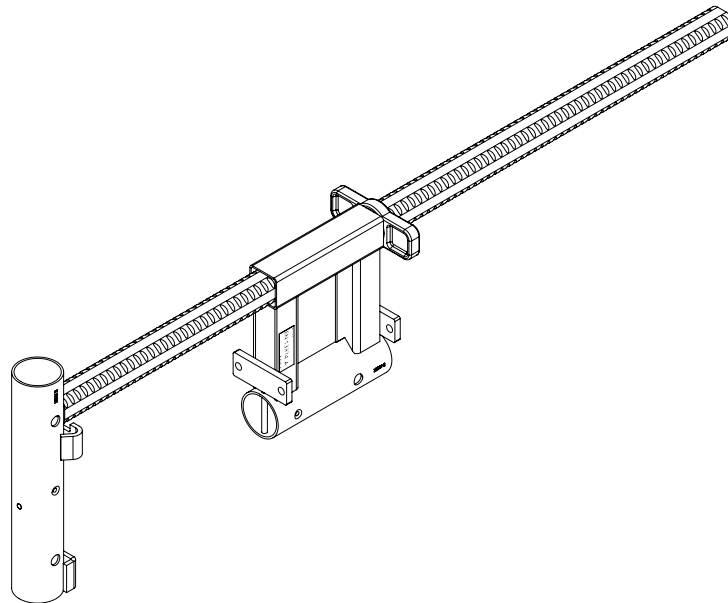
TD V123-017 (en)

Part No.: V123-017
Name: VC HD Clamp
Weight: 6.6 kg
Standard: EN 13374-A
Material: Galvanised Steel
Dimensions: mm



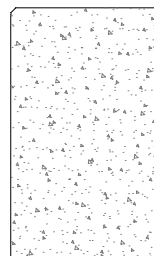
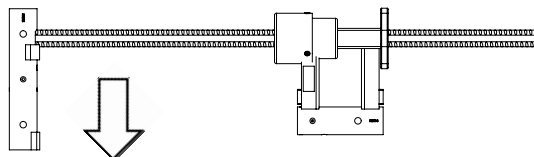
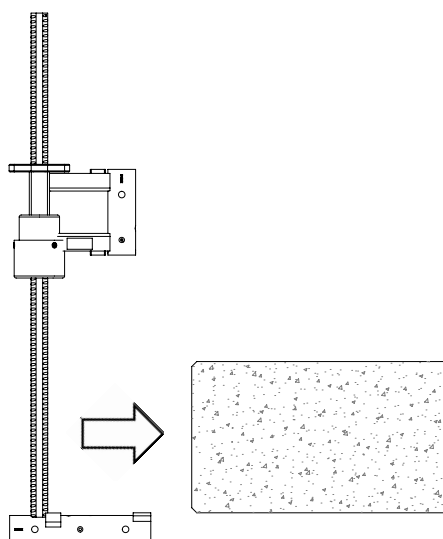
This Technical Document must always be used in conjunction with **HAKI's General Qualifications** -See below

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



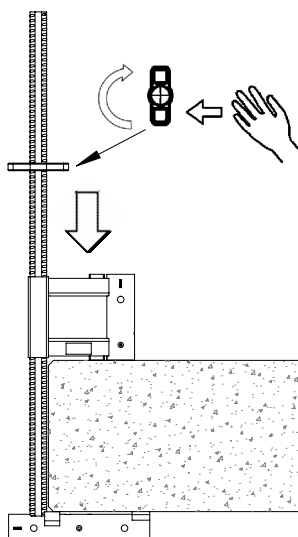
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1.

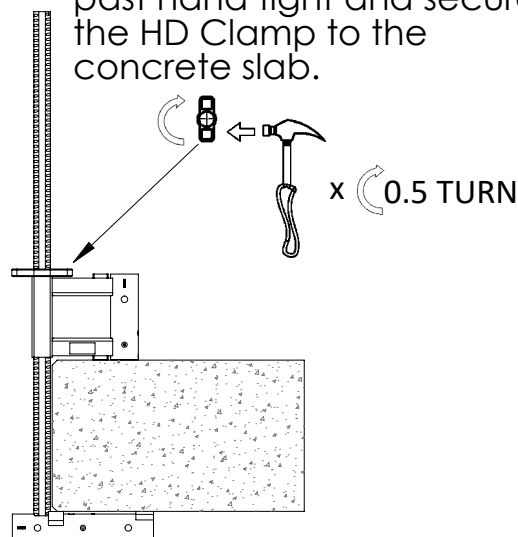


Use a hammer to tighten the wing nut **HALF A REVOLUTION** past hand tight and secure the HD Clamp to the concrete slab.

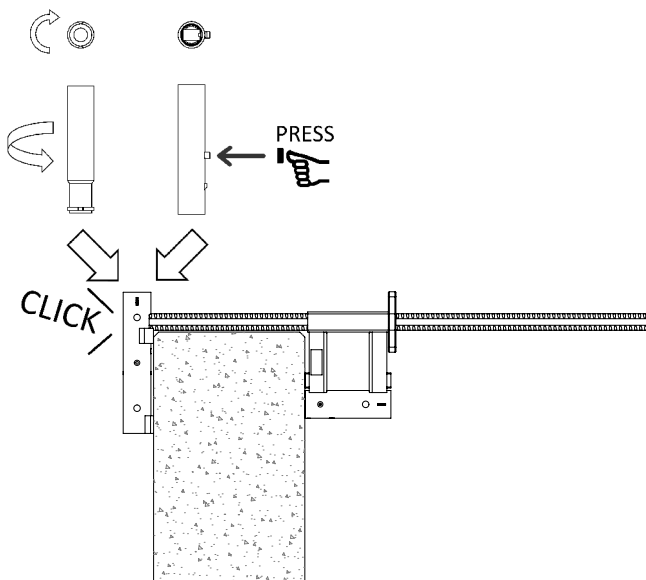
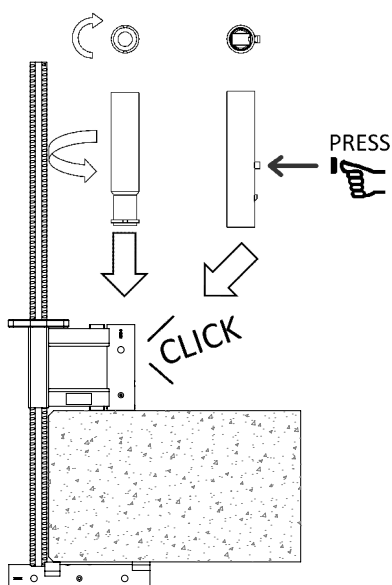
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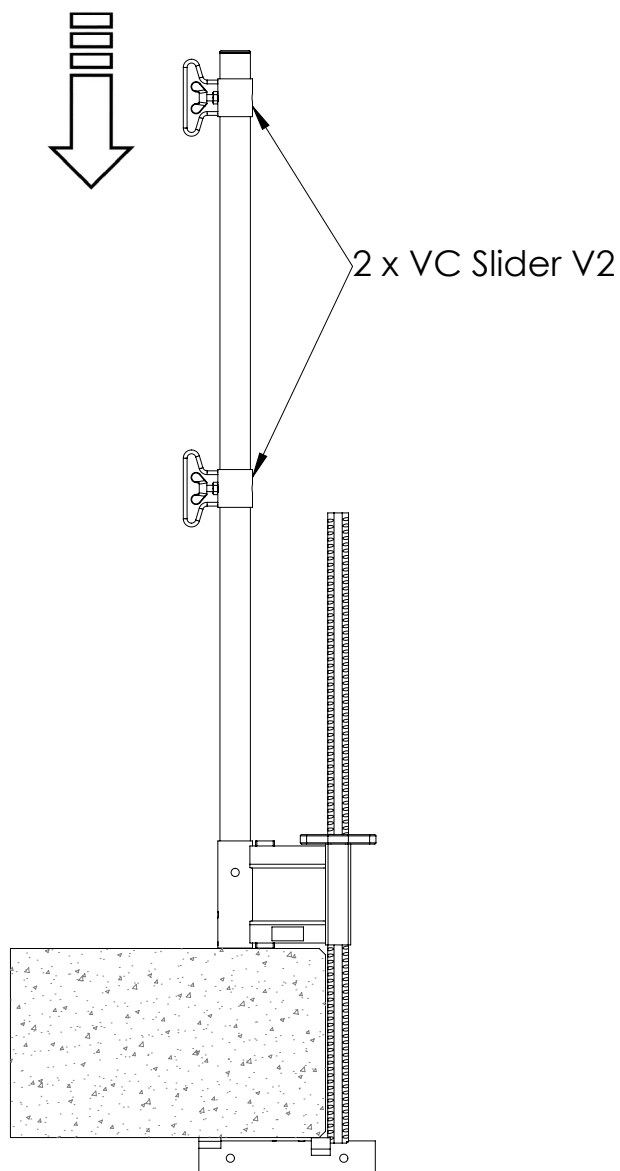
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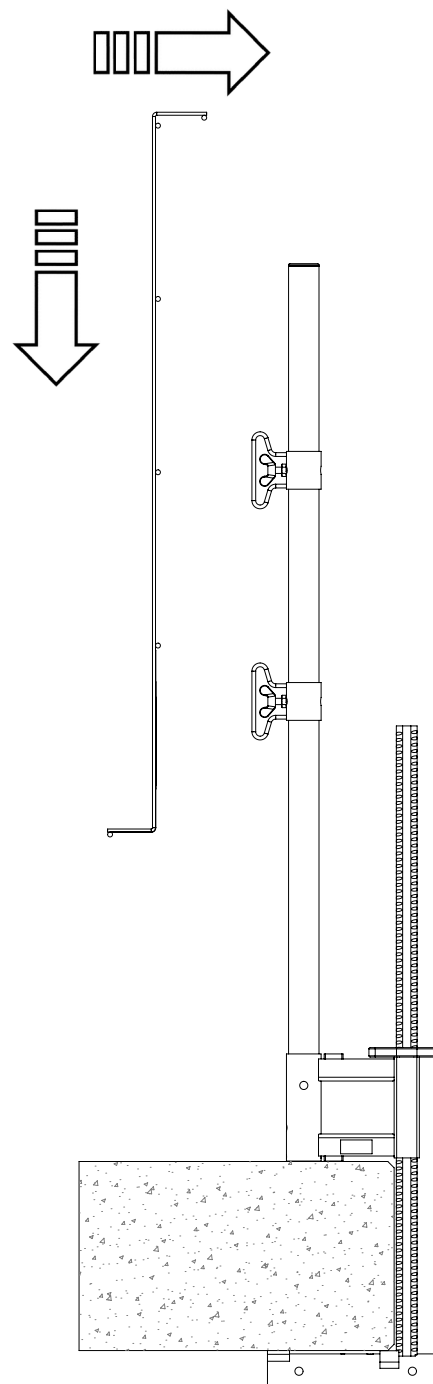
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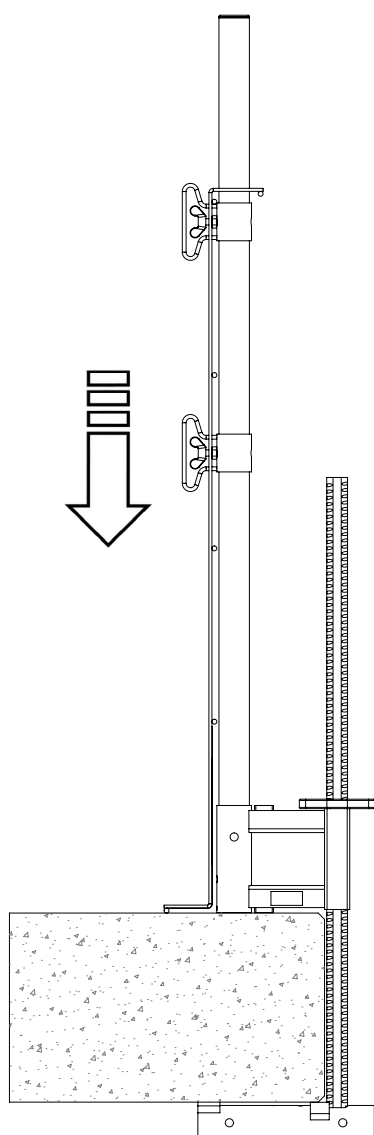
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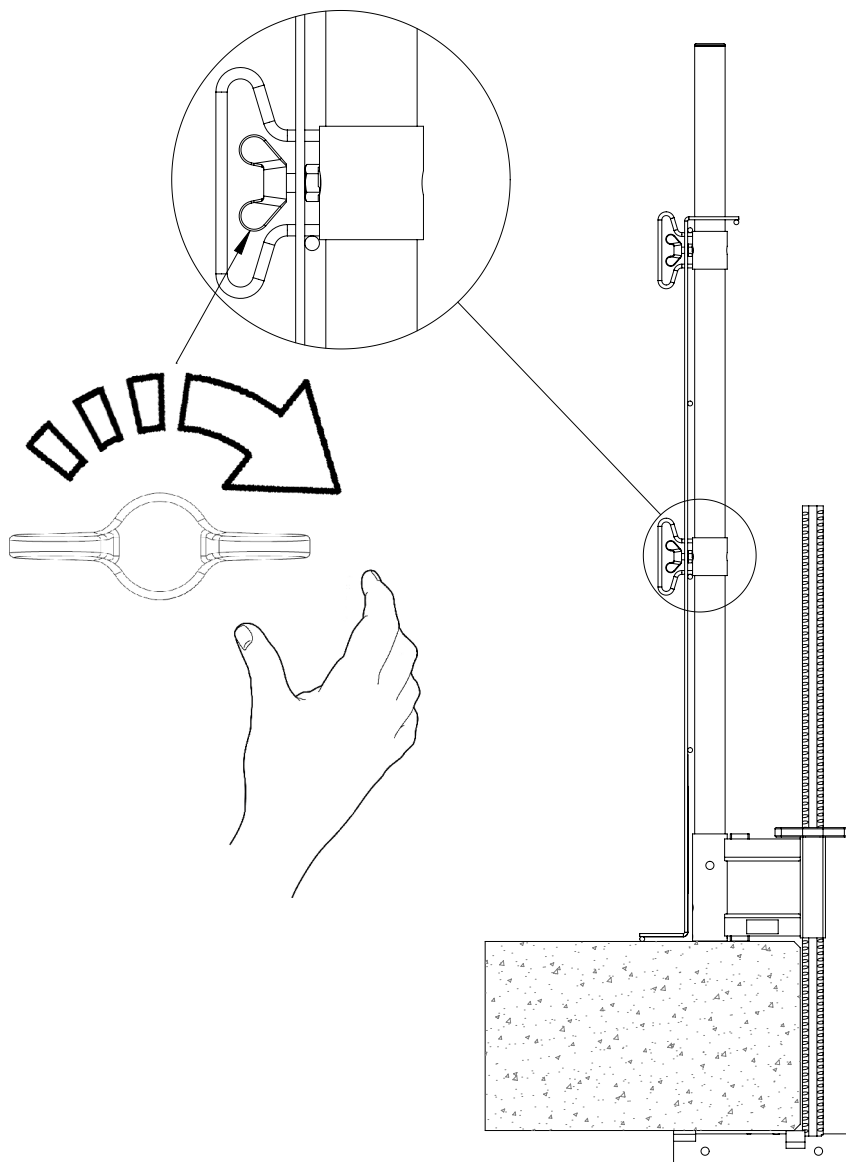
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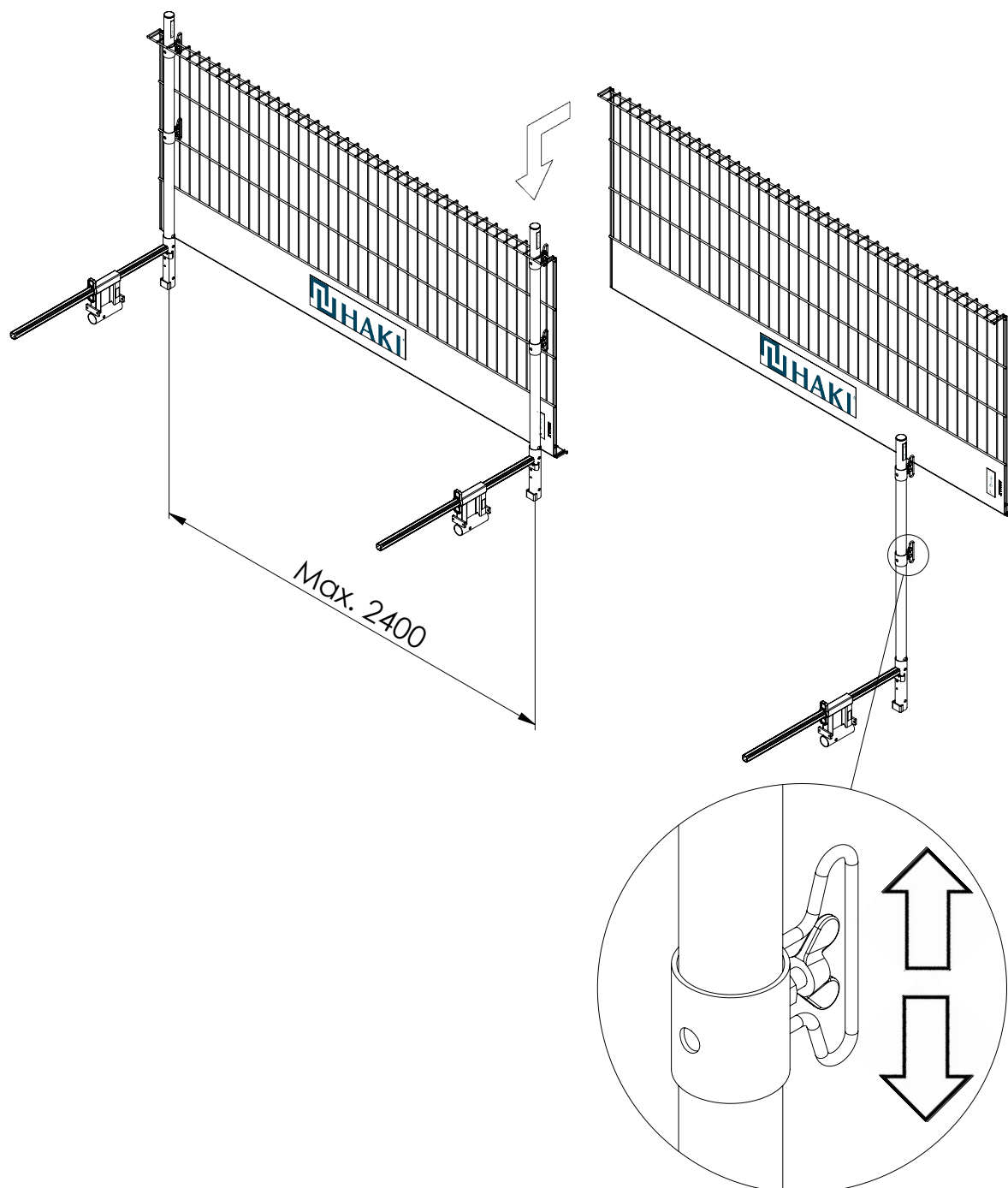
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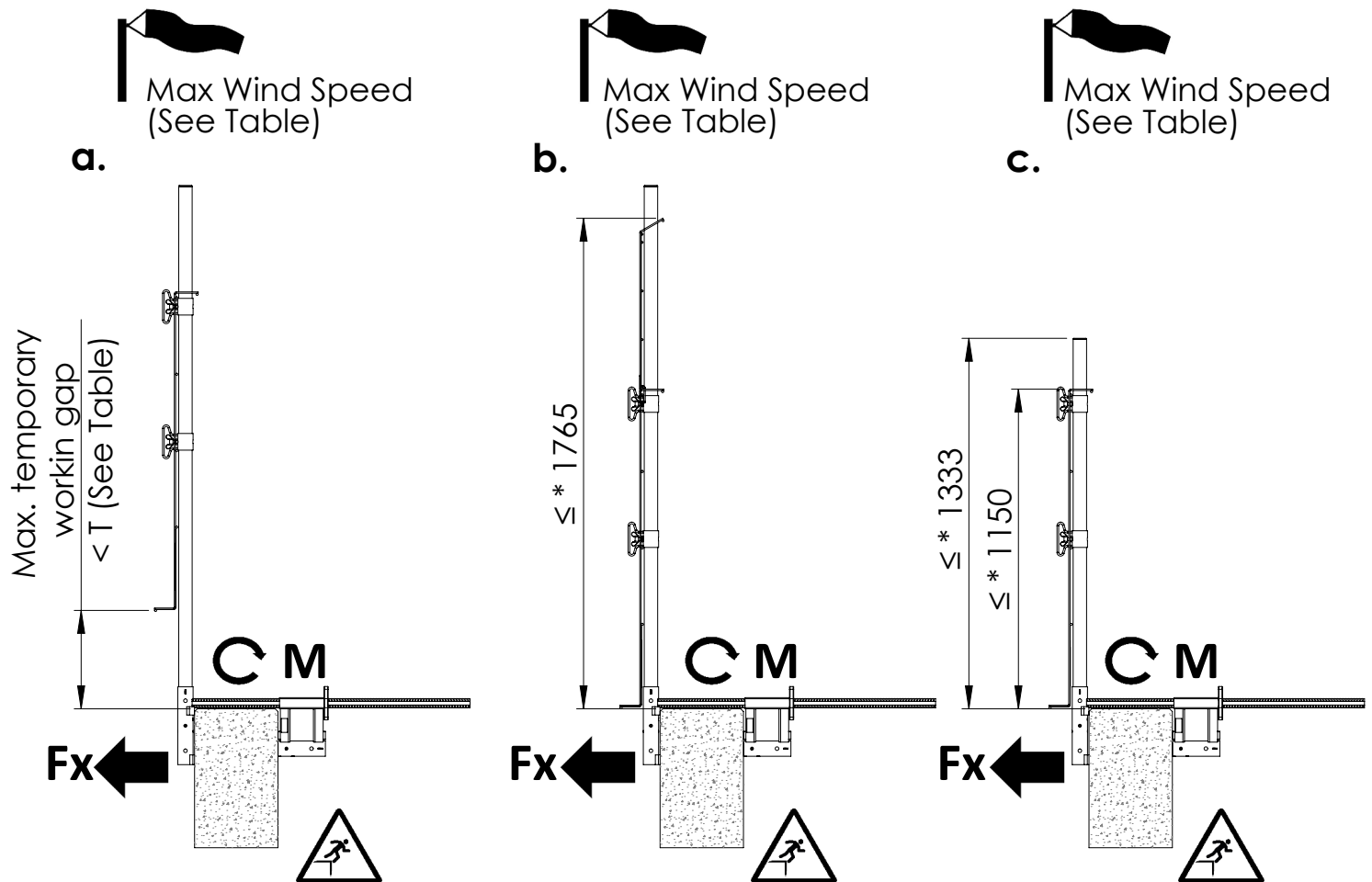
8.



5.



10. Parapet Configuration



See Table for M & F_x values

*Dimensions relate to V Barrier Mk2-90 2600

Barrier Configuration: Parapet Configuration

(Applicable for both Alu Post and Ultra Post)

a. (Standard Barrier in raised position)					
Barrier	Post C-C [mm]	Raised height (T) [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	≤ 2400	343	32	1114	1.7
MK4		196	32		1.8
MK5		419	32		1.5
MK6		543	32		1.3

b. (Standard Barrier + Make-up Barrier)					
Barrier	Make-up Barrier	Post C-C [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	MK2-90/MK5	≤ 2400	32	912	1.9
MK4	MK4	N/A			
MK5	MK5	≤ 2400	32	823	1.6
MK6	MK6		32.3	774	1.5

c. (Standard Barrier)				
Barrier	Post C-C [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	≤ 2400	37.6	674	2.4
MK4		33.7	802	2.1
MK5		39.4	671	2.3
MK6		44.6	632	2.5
Mk5 90 2300 - High	≤ 2100	38.5	953	2.1
Mk5 90 1200 - High	≤ 1000	47.6	866	1.7

b. (Standard Barrier + Make-up Barrier) + Debris Net on Standard Barrier*					
Barrier	Make-up Barrier	Post C-C [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	MK5/MK2-90	≤ 1220	32	1114	1.6
MK4	MK4	N/A			
MK5	MK5	≤ 1225	32	1114	1.6
MK6	MK6	≤ 1355			1.5

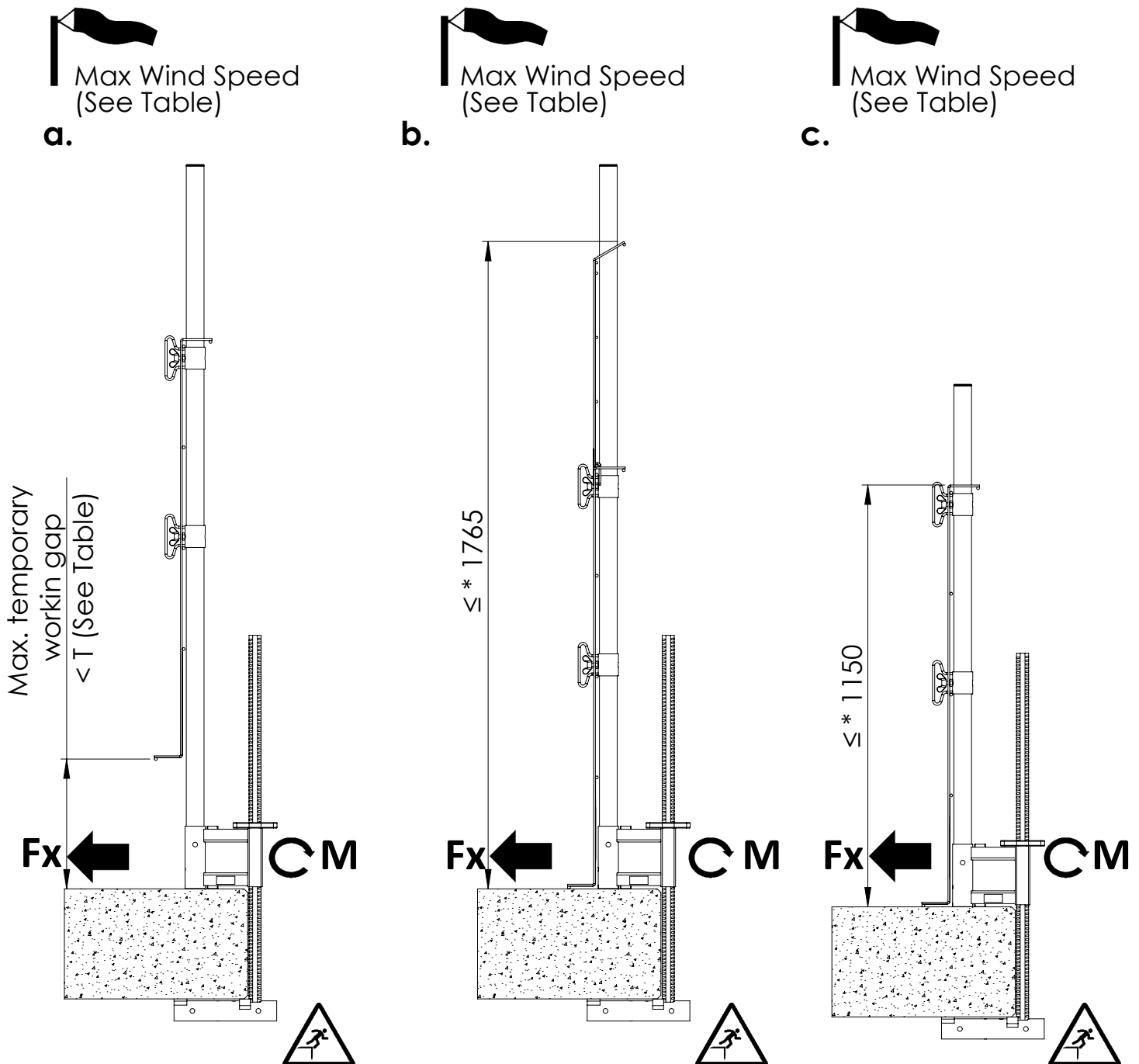
c. (Standard Barrier) + Debris Net*				
Barrier	Post C-C [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	≤ 1805	32	1114	2.0
MK4	≤ 1068			1.6
MK5	≤1670			1.8
MK6	≤ 1912			
Mk5 90 2300 - High	N/A			
Mk5 90 1200 - High	N/A			

Note: Debris net coefficient of drag ≤ 0.46
N/A - Not Applicable

Refer: TN 0011-0077

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11. Slab Configuration



See Table for M & Fx values

*Dimensions relate to V Barrier Mk2-90 2600

Barrier Configuration: Slab Configuration

(Applicable for both Alu Post and Ultra Post)

a. (Standard Barrier in raised position)					
Barrier	Post C-C [mm]	Raised height (T) [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	≤ 2400	552	32	1474	1.7
MK4		390	32		1.8
MK5		656	32		1.5
MK6		861	32		1.3

b. (Standard Barrier + Make-up Barrier)					
Barrier	Make-up Barrier	Post C-C [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	MK2-90/MK5	≤ 2400	32	912	1.9
MK4	MK4	≤ 930		1474	1.6
MK5	MK5	≤ 2400		823	1.6
MK6	MK6		32.3	774	1.5

c. (Standard Barrier)				
Barrier	Post C-C [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	≤ 2400	37.6	674	2.4
MK4		33.7	802	2.1
MK5		39.4	671	2.3
MK6		44.6	632	2.5
Mk5 90 2300 - High	≤ 2100	38.5	953	2.1
Mk5 90 1200 - High	≤ 1000	47.6	866	1.7

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b. (Standard Barrier + Make-up Barrier) + Debris Net on Standard Barrier*

Barrier	Make-up Barrier	Post C-C [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	MK5/MK2-90	≤ 2265	32	1474	2.6
MK4	MK4	N/A			
MK5	MK5	≤ 2385	32	1474	2.5
MK6	MK6	≤ 2400	32	1474	2.3

c. (Standard Barrier) + Debris Net*

Barrier	Post C-C [mm]	Max. wind speed [m/s]	Bending Moment (M) [Nm]	Shear Load (Fx) [kN]
MK2-90	≤ 2400	32	1282	2.5
MK4	≤ 2120		1474	2.6
MK5	≤ 2400		1327	1.9
MK6	≤ 2400		1474	2.2
Mk5 90 2300 - High	≤ 980		1474	1.5
Mk5 90 1200 - High	≤ 1000		1414	1.4

Note: Debris net coefficient of drag ≤ 0.46

N/A - Not Applicable

Refer: TN 0011-0077

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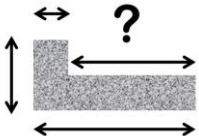
General Qualifications



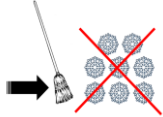

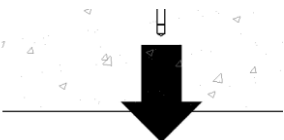
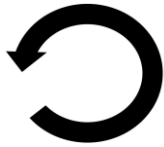


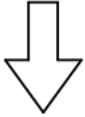

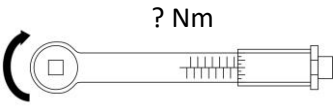






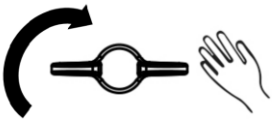
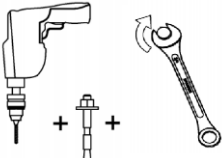


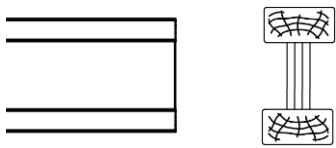
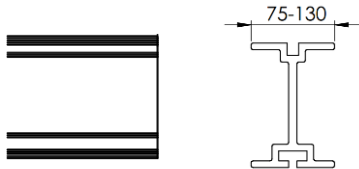
These General Qualifications are applicable to all HAKI products and must always be read in conjunction with each products Technical Documentation (TD).

General
<ul style="list-style-type: none">• Always check general product condition before use• If in doubt always ask by contacting a representative of HAKI• Reject any damaged or rusty components• HAKI products and systems provide temporary protection during construction activity.• HAKI products are NOT tested or intended:<ul style="list-style-type: none">- to withstand impact by any vehicle,- to support or provide control of the public,- for the containment of bulk materials.
Always Plan your works
<ul style="list-style-type: none">• 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.• HAKI 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.

Fixing selection
<ul style="list-style-type: none"> • All fixings should be confirmed as suitable for the chosen application site. • 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. • The dimensions for installation and the load capacity should be confirmed by the fixing manufacturer for each application. • Competent fixings advice should be sought if in any doubt.
Fine mesh containment
<ul style="list-style-type: none"> • Note that the addition of any fine containment mesh (such as on barriers or safety nets) increases the wind load attracted to the supports. • Technical advice must be sought before any such addition.
Weather
<ul style="list-style-type: none"> • HAKI 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 HAKI representative. • If in doubt, cease work, and use additional protection measures as required. • All safety systems should be kept clear of ice and snow.
Inspection
<ul style="list-style-type: none"> • 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. • We recommend that these checks are recorded in a site log. • Please ensure any defective product identified during inspection is replaced immediately.
Loading
<ul style="list-style-type: none"> • Any HAKI 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. • 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.
Storage
<ul style="list-style-type: none"> • HAKI recommends the use of its own storage and transit solutions. • Take careful note of lifting and loading limits. • All components should be stored in a manner that limits any detrimental environmental effect due to weather or corrosive substances.
Traceability
<ul style="list-style-type: none"> • All HAKI products are traceable.

Key		
	Symbol	Meaning
1.		Tech Data
2.		If in doubt, check online @ www.HAKI.com
3.		If in doubt call HAKI 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