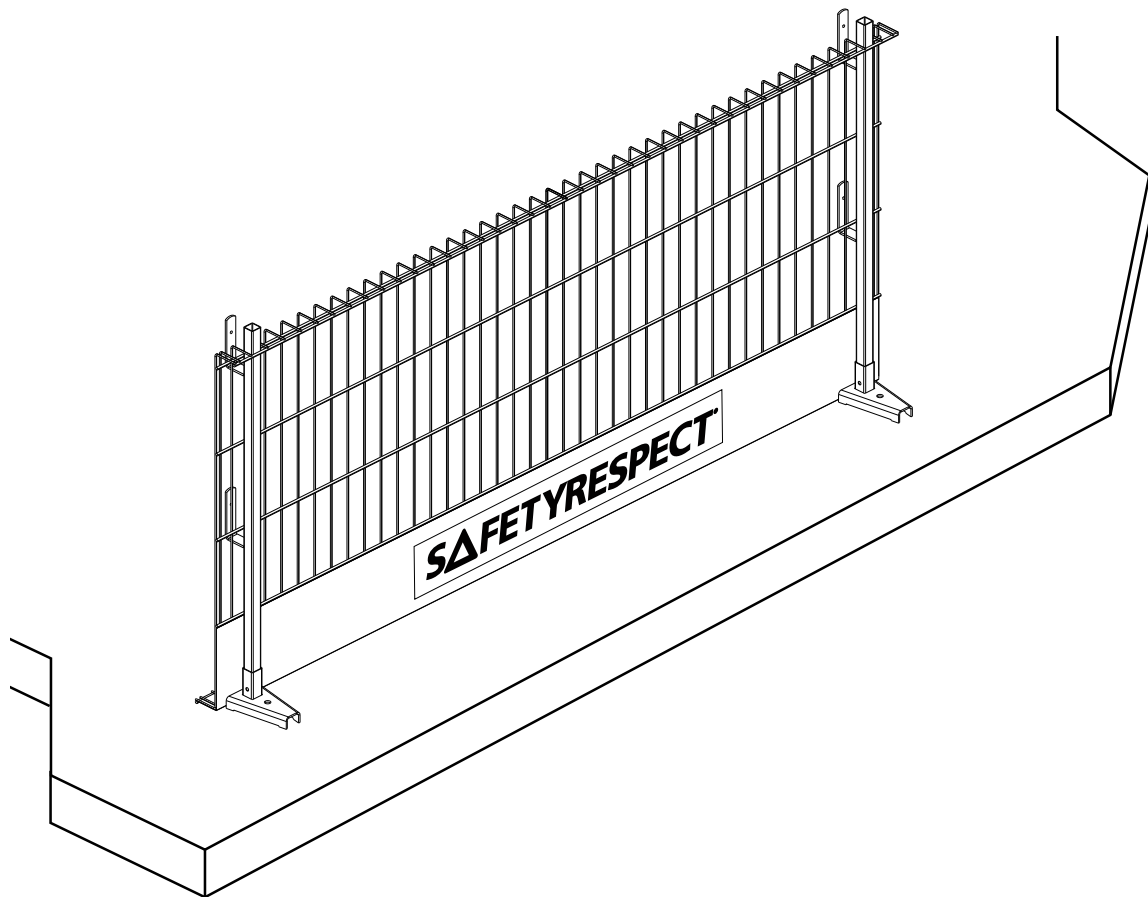


TEMPORARY EDGE PROTECTION SYSTEM

USER MANUAL



CONTENT

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GENERAL INFORMATION

Temporary edge protection systems are used in construction work primarily to prevent people and objects from falling to lower levels from roofs, edges, stairs, and other areas where protection is required. SafetyRespect's products meet the requirements of EN 13374.

In most European countries, temporary edge protection or other types of fall protection systems are required when a risk assessment identifies a fall hazard, regardless of height. Unlike being secured with a lifeline, guardrails provide greater mobility in the work area.

Remove snow and ice that can increase the load on the system. Barriers must never be covered with scaffolding netting or similar materials that affect wind loads.

The maximum center-to-center distance between posts is 2.4 meters for class A-B and 1.2 meters for class C.

Product-specific installation is provided in the corresponding product sheet/brochure.

Carry out a risk assessment and plan fall protection well in advance. Before work begins, fall hazards – including slip risks – must be assessed and addressed. Implement preventive protective measures in accordance with applicable national regulations. If there is a risk of slipping on sloped surfaces, measures must be taken to prevent all types of sliding after a fall, even over short distances. A guardrail system is not a preventive measure against such a risk.

Follow the installation instructions and ensure that screws and fastenings are properly tightened. Product-specific installation information can be found in the respective product sheet/brochure.

The products are third-party certified by BG Bau.

SAFETY

To reduce risks at the worksite, make a documented risk assessment and action plan. The following risks and measures must always be taken into consideration when installing:



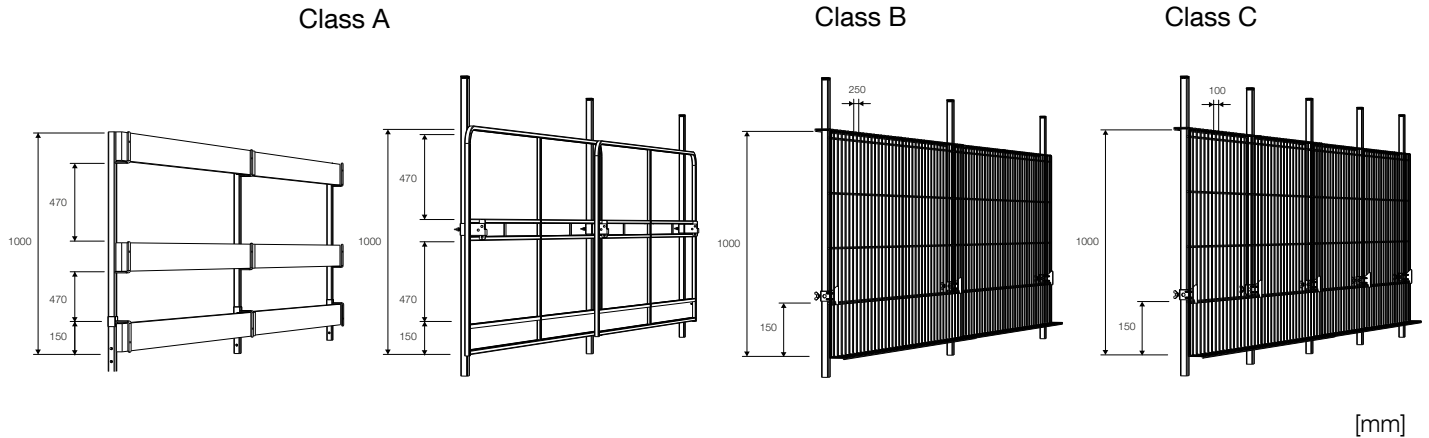
CHECK MATERIAL

Check all parts for mounting. If in doubt, contact the fall protection adviser, replace or discard damaged material.



EN 13374 – CLASSES

The European standard EN 13374 specifies product specifications and testing procedures for temporary edge protection systems used during the construction or maintenance of buildings and other structures. The edge protection must be at least 1 meter high, and the toeboard must be at least 150 mm high. Openings between the edge protection system and adjacent structures must be less than 120 mm horizontally. The distance below the toeboard must be less than 20 mm vertically.



CLASS A

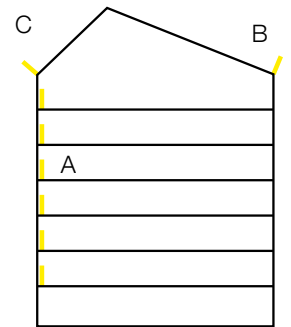
- Static load equivalent to a person leaning or falling against the edge protection, plus wind load.
- Work surfaces up to 10° incline.
- Vertical openings max 470 mm.

CLASS B

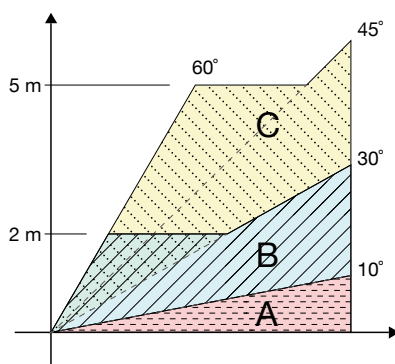
- Static load and dynamic loads equivalent to a person leaning or falling against the edge protection, plus wind load.
- Work surfaces between 10°–30° incline and up to 60° if the fall height (Hf) is less than 2 m.
- Dimensioned so that a 250 mm spere cannot pass through.

CLASS C

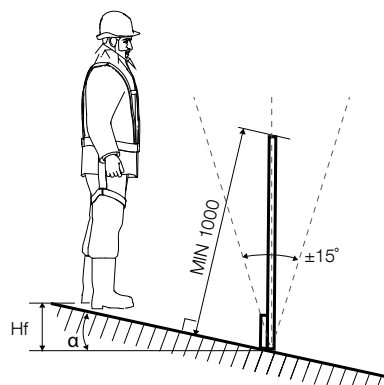
- Dynamic load equivalent to a person falling against the edge protection.
- Work surfaces between 30°–45° incline and up to 60° if the fall height (Hf) is less than 5 m.
- Dimensioned so that a 100 mm spere cannot pass through.



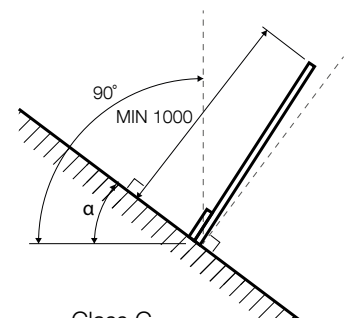
Fall height (Hf)



Incline (α)



Class A, B



Class C

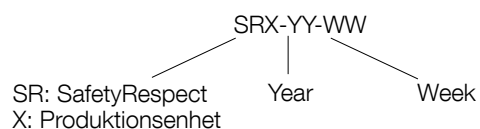
MARKING

All barriers and posts are marked with:

- Batch number
- Certificate
- EN 13374 + class (ABC)

The marking can be a sticker or stamped onto the product.

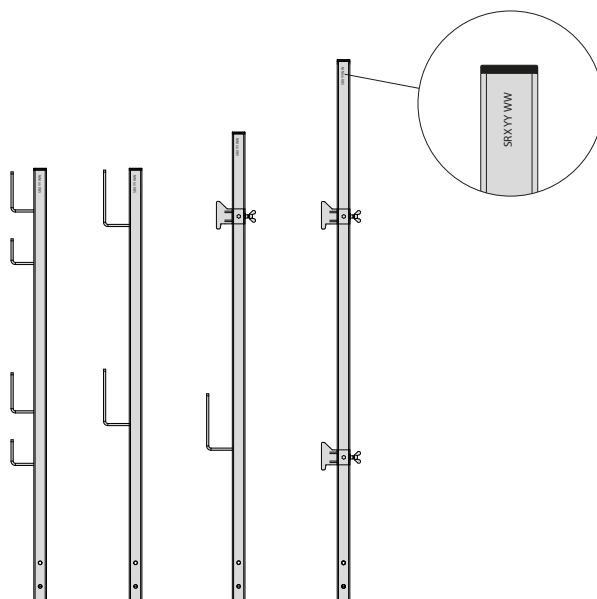
Batch number:



Barrier



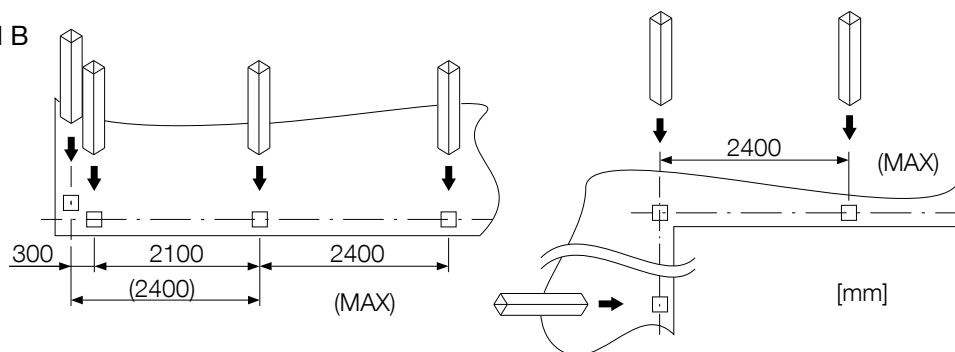
Post



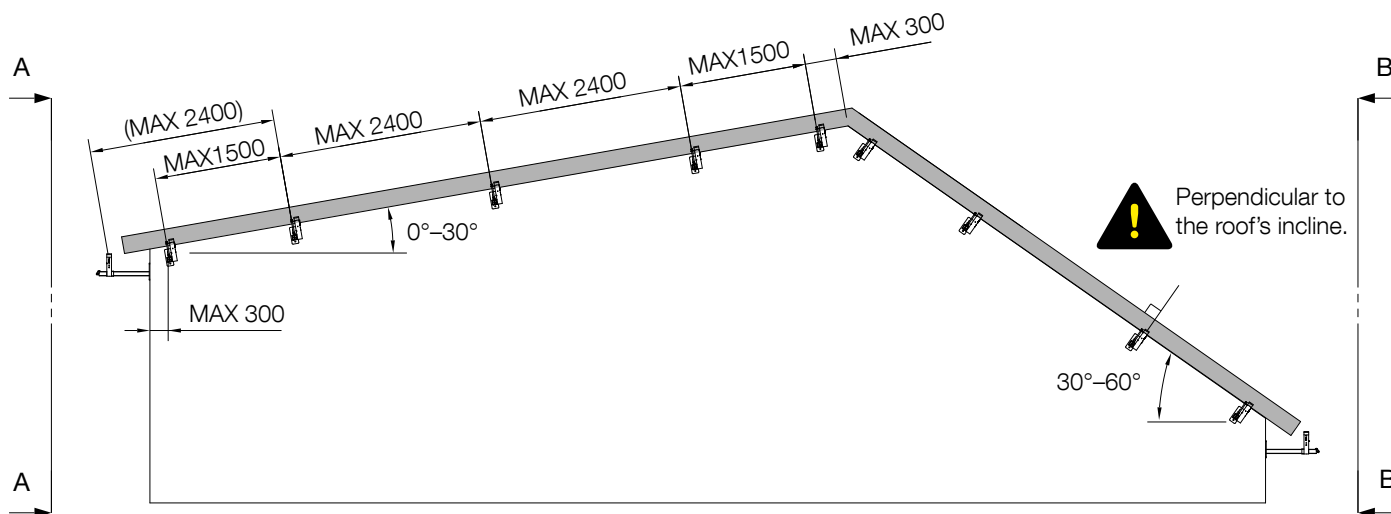
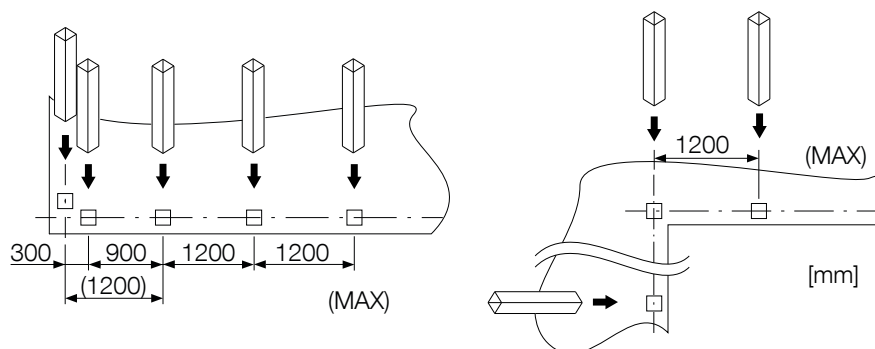
GENERAL PLACEMENT

This provides general placement information. For product-specific details, refer to the corresponding product sheet/ brochure.

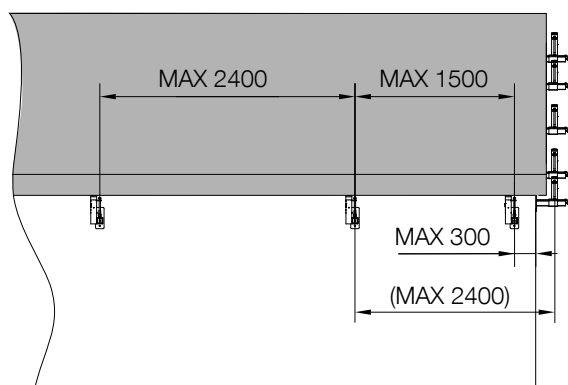
Class A and B



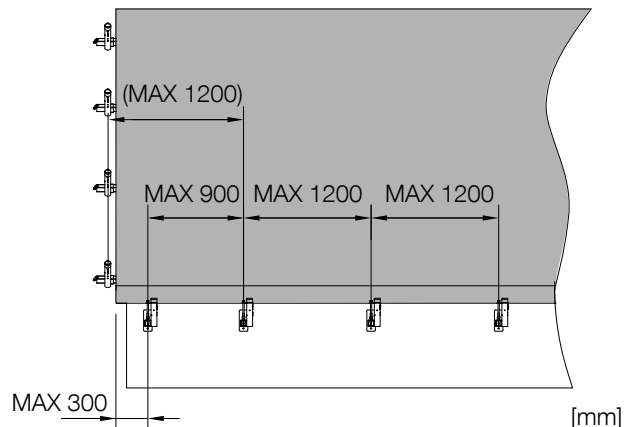
Class C



A-A
Class A and B



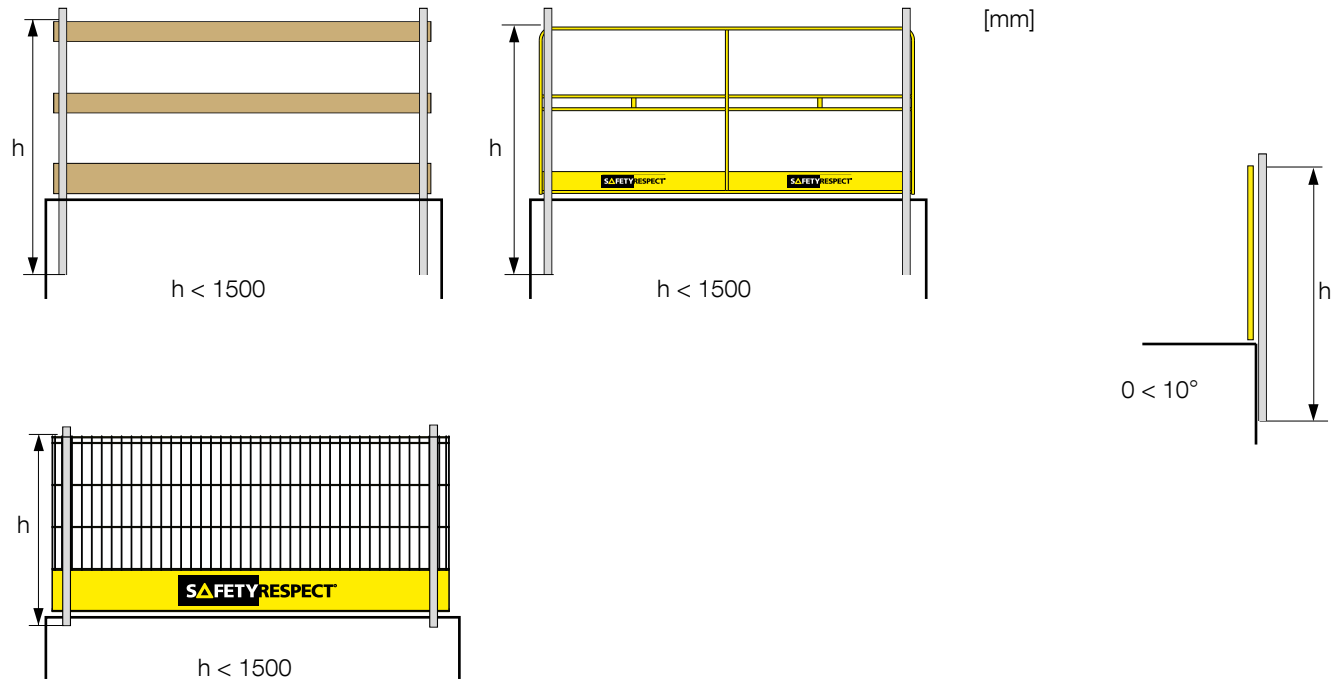
B-B
Class C



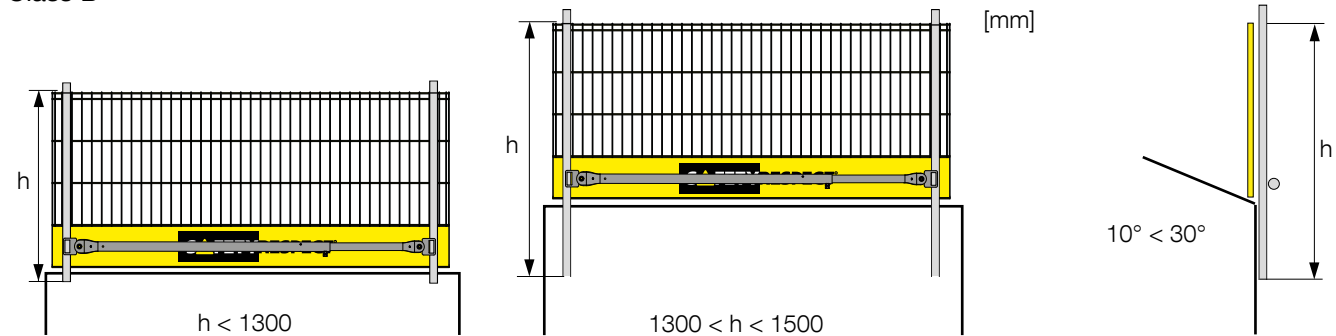
CONFIGURATIONS AND CLASSES

Height of fall protection (h) from the base of the post. Product-specific limitations are available in the corresponding product sheet/brochure. For other configurations, please contact SafetyRespect.

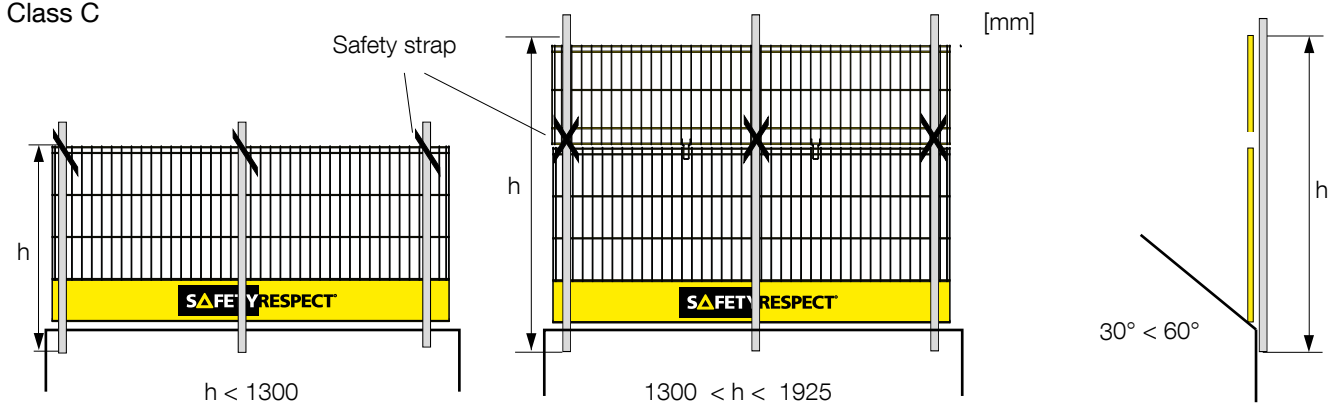
Class A



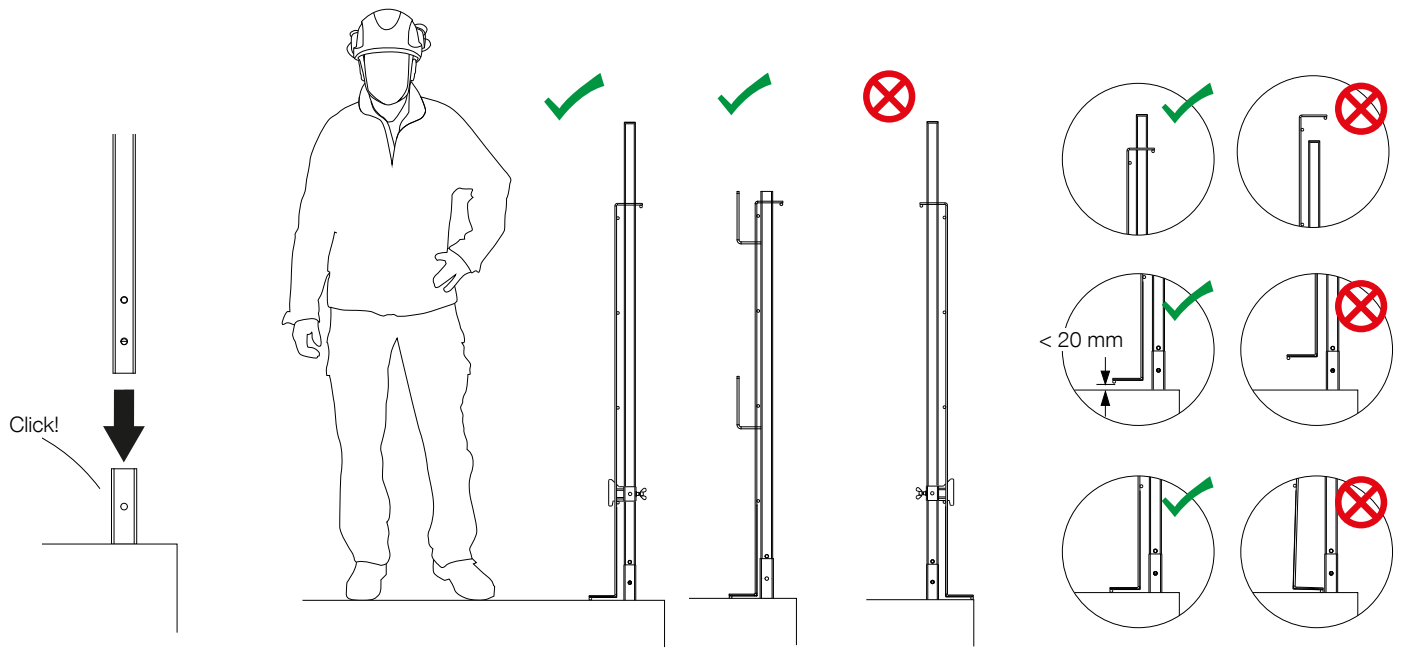
Class B



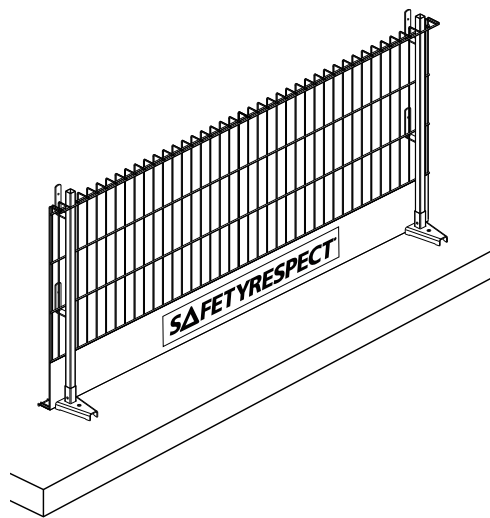
Class C



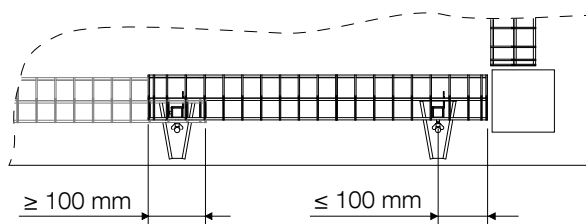
MOUNTING



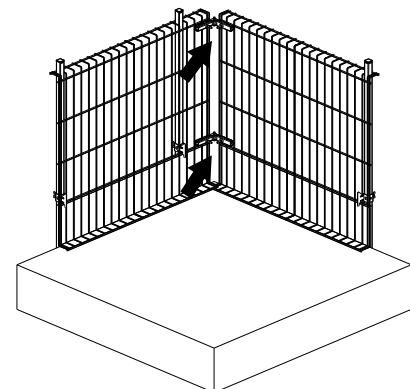
TEMPORARY EDGE PROTECTION



Overlap



Corner with Hinge.



LIST OF PRODUCTS

Product-specific installation information is provided in the respective product sheet/brochure, which includes:

- name
- part number
- dimensions, weight, surface treatment, standard, and class
- transport information
- characteristic pull-out load/moment
- drawing
- assembly sequence and usage.
- Specific installation parameters

Available digitally at: <https://www.safetyrespect.com/documents-for-download/>

NR	ART NO.	ENGLISH
1	201261190R	Steel Barrier 2600x1150 90°
2	2012611	Steel Barrier 60° 2600x1180
3	50315008	VT Slider
4	5031500B	VT Post 1500 Basic
5	5031300	Post 1300 Basic incl. Slider
6	5031195	Post 1200 Timber
7	5039003	VT Scan Post 1200
8	50311951	VT Toeboard Holder
9	5030425	VT Post Extension 425
10	5040019	90° (Elbow)
11	5030049	XL Holder
12	5030050	XL Holder 45
13	5040005	VT Edge 100
14	5040004	VT Edge 55
15	5040023	VT Balcony
16	5040041	VT Steelweb 425
17	5040021	VT Clamp XL 60
18	5040047	Precast Bracket/Vertical Bracket
19	5040001	VT Foot
20	5040007	VT Steelflange
21	1100002	VT Sheet Pile Clamp
22	5040034	VT Clamp 150
23	5040018	Frontfix
24	9110018	Frontfix Mini
25	1100023	VT Hinge

PRODUCTS

NR	ART NO.	ENGLISH
25	2021312	VT Barrier frame 1,3
26	2022612	VT Barrier frame 2,6
27	919022	VT Barrier holder
28	5030240	VT Post Extension 240

MAINTENANCE AND REPAIRS

REPAIR AND INSPECTION AFTER USE

SafetyRespect's products should always be inspected by a person with sufficient knowledge before they are used again. After a fall, the system should only be reused after being inspected and repaired by a competent person (see below).

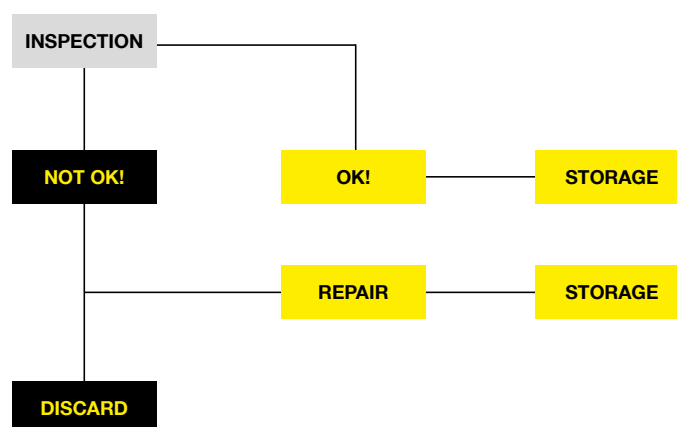
INSPECTION

SafetyRespect's products should be inspected daily to ensure that the system has not been affected by external influences that could risk impairing strength and other properties.

Check that:

- Parts fit together as they should.
- No deformations are present.
- No cracks have developed.
- No modifications have been made to the products.
- No signs of rust are present.
- No other external influences are present.

Clean the parts if necessary.



COMPETENT PERSON

A competent person is someone who has been trained and authorized by SafetyRespect to perform inspections and repairs.

DISMANTLING

During dismantling, the assembly instructions should be followed in reverse order.

STORAGE AND HANDLING

SafetyRespect's products should be stored in a dry and weather-protected place. Storage should not be near heat sources, corrosive substances, acids, solvents, oils, etc.

SAFETYCHECK

WORKPLACE		DATE	
Location		Order no.	
Site manager		Check no.	

SITE/PART OF BUILDING			
1		3	
2		4	

CHECK POINTS	YES	NO	REFERENCE	REMARKS
Are the current installation instructions available?			This manual	
Have recommended safety measures been implemented?			Page 3	
Are the components free from damage?			Page 3	
Have the brackets been installed according to the general placement instructions?			Page 6	
Are the brackets correctly installed according to the product-specific information?			Page 9	
Are the posts correctly mounted in the brackets?			Page 8	
Are the barriers mounted in the right direction and on the right side of the posts?			Page 8	

SAFETYCHECK CONDUCTED BY			
Date		Signature	