



Guardrail system

# **BARRIER**

## **Vario-system**

Guardrail system with weights as superimposed load

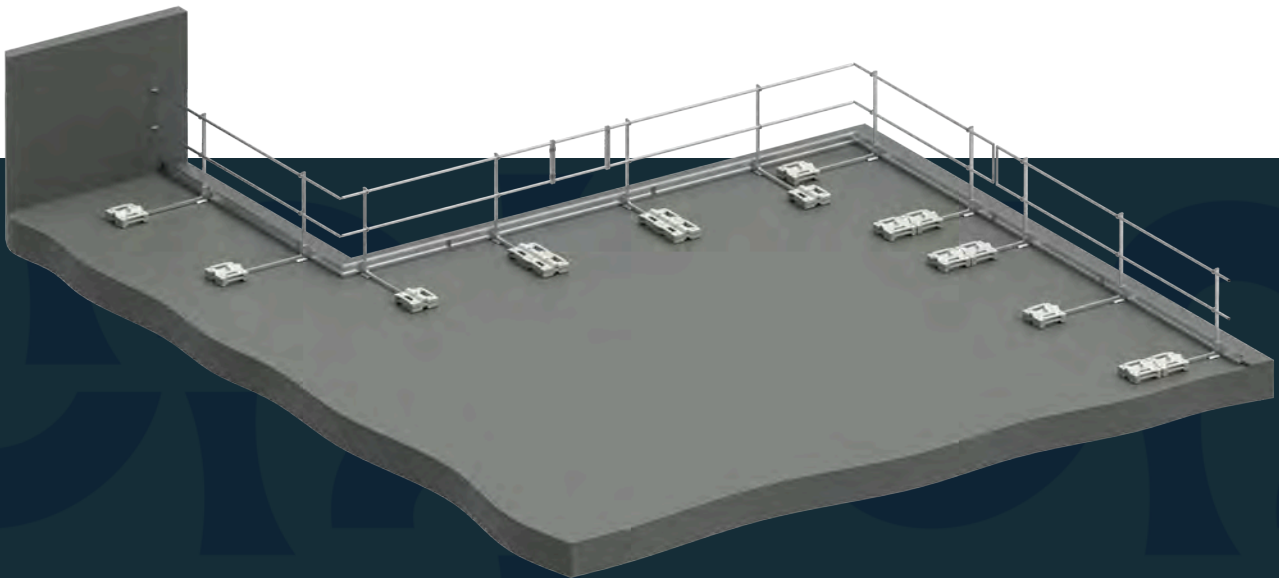
## BARRIER-VARIO

Guardrail system with weights as superimposed load

The BARRIER-VARIO guardrail system is used wherever the fall edges of a flat roof up to a maximum pitch of 10° must be protected. The guardrail held in place by superimposed concrete weights creates a barrier around the fall-risk area, and thus ensures optimum fall protection for everyone located on the flat roof. The substructure is of no significance for fastening the guardrail system. With this system, roof penetrations are a thing of the past. The guardrail system was designed to ensure rapid and simple installation.

### BENEFITS

- Efficient installation thanks to the post separations of 2,5 m and a practical solution for corners.
- No impairment of the roof's various sheet layers, thanks to our foot units with an included release layer.
- Compensation of roof height differences up to 12,5 cm, thanks to simple height adjustment of the foot.
- Optimised user-friendliness, thanks to stackable concrete weights, each of 12,5 kg per side, and 100 % plasticiser-free.



New economical variant with the BARRIER-V14 foot and an additional post with height adjustment up to 8 cm, and the option to incline the guardrail by 75°.

## Technical product description

The guardrail system consisting of aluminium and stainless steel impresses because of its weather resistance and robustness. The guardrail, together with the various individual components, such as the specially developed foot units, posts, booms, and concrete weights, combine to create a harmonised system. Depending on the existing corner layout, the posts and booms can be laid out differently.



### TECHNICAL BENEFITS

#### Colour adaptability

In order that the guardrail system fits optimally into the existing structure of the building, there is an option to colour-coat the guardrail.

#### Height adjustment and inclination option

Depending on the foot variant selected, a height adjustment of up to 12,5 cm is possible. In addition, the guardrail can be inclined by 90° or 75°. For the optimum visual result, there is also an option to fold up the guardrail and its respective foot.

#### Secured access

By fitting the optional BARRIER-T30 door set, optimally secured access and descent to or from the flat roof are made possible.

## Components

### BARRIER-Z11

Rating plate BARRIER-Z11 for guardrail system

**Material:** Aluminium composite, plastic for marking a BARRIER system



### BARRIER-V20

Vario weight BARRIER-V20

**Height x width x length:** 93 x 390 x 390 mm

**Weight:** 12,5 kg

**Material:** Beton



### BARRIER-S22-450

Standard boom, corner formation, BARRIER-S22-450

**Length:** 450 mm

**Material:** aluminium

Standard boom for System VARIO, corner formation customised lengths on request!



### BARRIER-S22-750

Standard boom BARRIER-S22-750

**Length:** 750 mm

**Material:** aluminium

Standard boom for System BARRIER-VARIO



### BARRIER-S22-1300

Standard boom BARRIER-S22-1300

**Length:** 1300 mm

**Material:** aluminium

Standard boom for System VARIO, escape route according to plan customised lengths on request!



### BARRIER-S22-1500

Standard boom, superimposed load, BARRIER-S22-15

**Length:** 1500 mm

**Material:** aluminium

Standard boom for System VARIO-load-bearing Customised lengths on request!



### BARRIER-V12

Vario foot unit BARRIER-V12

**Material:** aluminium, stainless steel V2A (AISI 304), plastic

VARIO-foot unit without boom/posts, for the formation of a collective side protection with superimposed load, including protective plate



### BARRIER-V14

Vario foot unit BARRIER-V14

**Material:** aluminium

VARIO-foot unit without booms/posts, for the formation of a collective side protection with superimposed load



### BARRIER-V92

Vario corner tie BARRIER-V92

**Material:** aluminium, stainless steel V2A (AISI 304)

To connect two booms



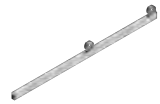
### BARRIER-S20-1140

Standard post BARRIER-S20-1140

**Length:** 1140 mm

**Material:** aluminium, aluminium-zinc, stainless steel

Standard post for System VARIO including pipe retainer.



### BARRIER-S24-1140

Foldable post BARRIER-S24-1140

**Length:** 1140 mm

**Material:** aluminium, aluminium-zinc, stainless steel

Foldable post including pipe retainer.



### BARRIER-S25-1150

Curved post BARRIER-S25-1150

**Length:** 1150 mm

**Angle:** 75°

**Material:** aluminium, aluminium-zin

curved post including tube holder for BARRIER-V14.



# Components

## BARRIER-T30

Door set BARRIER-T30

**Material:** aluminium, stainless steel (AISI 304)  
 Opening 800 mm, anchorage direction fixed, not selectable (right hand door)  
 For load-bearing implementation, 4 x BARRIER-V20 weights required for each door side!



## BARRIER-R11

Aluminium pipe BARRIER-R11

**Diameter x wall thickness x length:** 36 x 2.5 x 3000 mm  
**Material:** aluminium



## BARRIER-R21

Linear tie BARRIER-R21

**Material:** aluminium, stainless steel (AISI 304)  
 for connecting two BARRIER-R11 pipes



## BARRIER-R31

Corner tie BARRIER-R31

**Material:** aluminium, stainless steel (AISI 304)  
 Create a corner with two pipes BARRIER-R11  
 Angle free adjustable!



## BARRIER-R41

Wall tie BARRIER-R41

**Substructure:** concrete or steel construction  
**Material:** aluminium, stainless steel (AISI 304)  
 Angle free adjustable!



## BARRIER-R51

End seal BARRIER-R51

**Material:** aluminium, stainless steel (AISI 304)  
 end seal of two rail pipes BARRIER-R11  
 Projection of the rail pipe max. 500 mm!



## BARRIER-R70

Pipe bracket BARRIER-R70

**Material:** zinc-aluminium, stainless steel  
 pipe retainer for the pipes BARRIER-R11



## BARRIER-R91

End cap BARRIER-R91

**Diameter x thickness:** 36 x 2 mm  
**Packaging unit:** 2 pieces  
**Material:** plastic  
 end cap for rail pipe BARRIER-R11  
 Projection of the rail pipe max. 350 mm!



## Accessory items

### BARRIER-F22

Toe board bracket BARRIER-F22

**Material:** aluminium, stainless steel (AISI 304)  
for fastening the BARRIER-F20 toe board to the VARIO  
BARRIER-V12 foot unit



### BARRIER-F23

Toe board connection set BARRIER-F23

**Packing unit:** 1 items  
**Material:** aluminium, stainless steel (AISI 304)  
for connecting two BARRIER-F20 toe boards



### BARRIER-F24



### BARRIER-F25

Toe board bracket BARRIER-F25

**Material:** aluminium, stainless steel (AISI 304)  
for fastening the BARRIER-F20 toe board to the VARIO  
BARRIER-V14 foot unit



### BARRIER-F26

Corner connector BARRIER-F26

**Material:** aluminium  
Corner connector for skirting board BARRIER-F20



### BARRIER-R22

Expansion compensation BARRIER-R22

**Material:** aluminium, stainless steel V2A (AISI 304)  
**Quantity:** 2 pcs  
Expansion compensation for BARRIER-R11 pipes



### BARRIER-Z23



### BARRIER-Z31

Flame scarf angle BARRIER-Z31

**Material:** aluminium  
**Packaging unit:** 1 piece  
for holding a VARIO-weight BARRIER-V20 in position  
Per BARRIER-V20 min. 2 pieces of BARRIER-Z31  
required!



### BARRIER-Z35-500

Underlay mat Z35-500

**height x width x length:** 4 x 500 x 500 mm  
**material:** fibre blend of polyester and polypropylene  
regenerated fibres  
**Packaging unit:** 1 piece  
Underlay mat for a vario-weight BARRIER-V20





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