

THE NEW BARRIER  
GREATER SPEED, ECONOMY, SAFETY

# BARRIER

## Guardrail system



The optimised BARRIER guardrail system from INNOTECH provides many varied application options in collective side protection, because it adapts optimally to individual construction conditions. The consistent optimisation of the individual components made it possible to improve the functionality and to significantly reduce the installation time. The uncomplicated, quick assembly and the option of

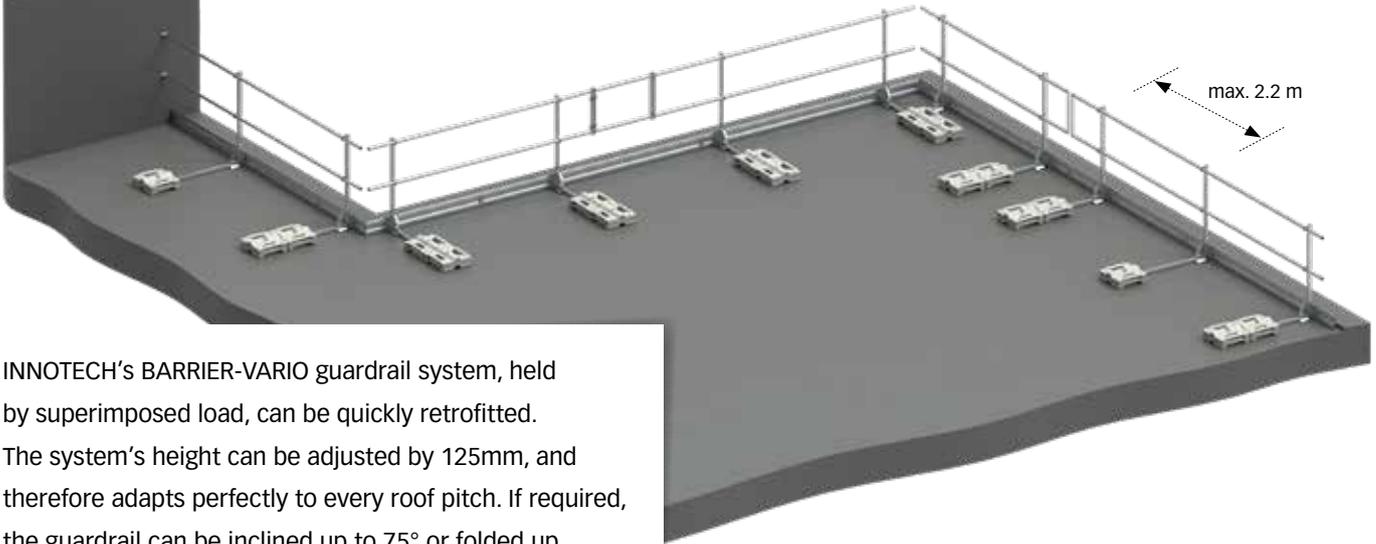
- Universal penetration-free application options
- Short installation time and simple assembly without creation of shavings
- Low superimposed load, thanks to maximum post separation of 2.2 m
- Pitch adjustable to 90° and 75°; hinged at 15°
- 100% plasticiser-free (integrated release layer)
- Attachment possible to standing seam and trapezoidal supporting sheet

installing without roof perforation thus make the product a flexible all-rounder which perfectly blends in with the building's aesthetics in an extremely pleasing way. The high-quality railings are manufactured from weather-resistant aluminium, and fulfil the most demanding architectural requirements, through a varyingly adjustable inclination.

- Concrete weight 2x 12.5 kg; stackable, ergonomic carrying system
- 3 standardised coating levels possible
- Differences in level up to 125mm can be compensated perfectly
- Inspection interval: 2 years
- Certification to the latest state of the art:

EN 13374:2019  
EN ISO 14122-3:2016  
DIN 14094-2:2017

## System Vario



INNOTECH's BARRIER-VARIO guardrail system, held by superimposed load, can be quickly retrofitted. The system's height can be adjusted by 125mm, and therefore adapts perfectly to every roof pitch. If required, the guardrail can be inclined up to 75° or folded up, and so the system fits outstandingly well into the constructional circumstances.

### SYSTEM VARIO

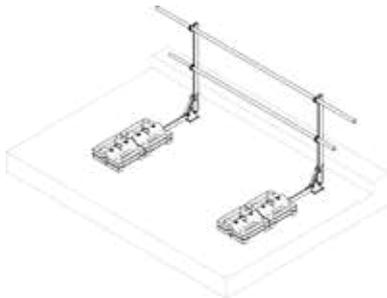
#### BARRIER VARIO

GUARDRAIL SYSTEM – HELD BY SUPERIMPOSED LOAD

Material: aluminium, stainless steel (AISI 304)  
Substructure: Flat roof (max. 10° roof pitch)  
System pitch angle (pre-assembled): 90°, 75°

Without roof perforation

Boom with post and concrete weight (2 x 12.5 kg) with carrying handles



### RATING PLATE

#### BARRIER-Z11

RATING PLATE FOR BARRIER  
(EN 13374/EN ISO 14122-3/DIN 14094-2)

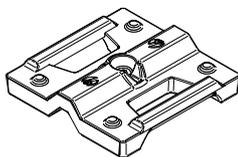


### FOOT ELEMENT

#### BARRIER-V20

VARIO WEIGHT  
Height x Width x Length: 93 x 390 x 390 mm  
Weight: 12.5 kg  
Material: Concrete

Concrete weight for BARRIER-V12 foot unit



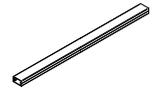
### FOOT ELEMENT

#### BARRIER-S22-450

VARIO BOOM  
Length: 450 mm  
Material: aluminium

Standard boom for VARIO system, corner set

Special lengths upon request



#### BARRIER-S22-1300

VARIO BOOM  
Length: 1300 mm  
Material: aluminium

Standard boom for VARIO system,  
Escape route as per plan

Special lengths upon request

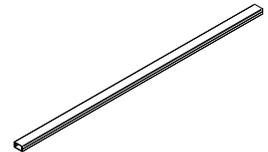


#### BARRIER-S22-1500

VARIO BOOM  
Length: 1500 mm  
Material: aluminium

Standard boom for VARIO superimposed load.

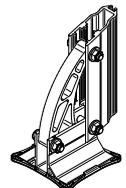
Special lengths upon request



#### BARRIER-V12

VARIO-FOOT UNIT  
Material: Aluminium, stainless steel (AISI 304), plastic

VARIO foot unit without boom/post, for creation of a collective side protection held by superimposed load, including protective plate



#### BARRIER-V92

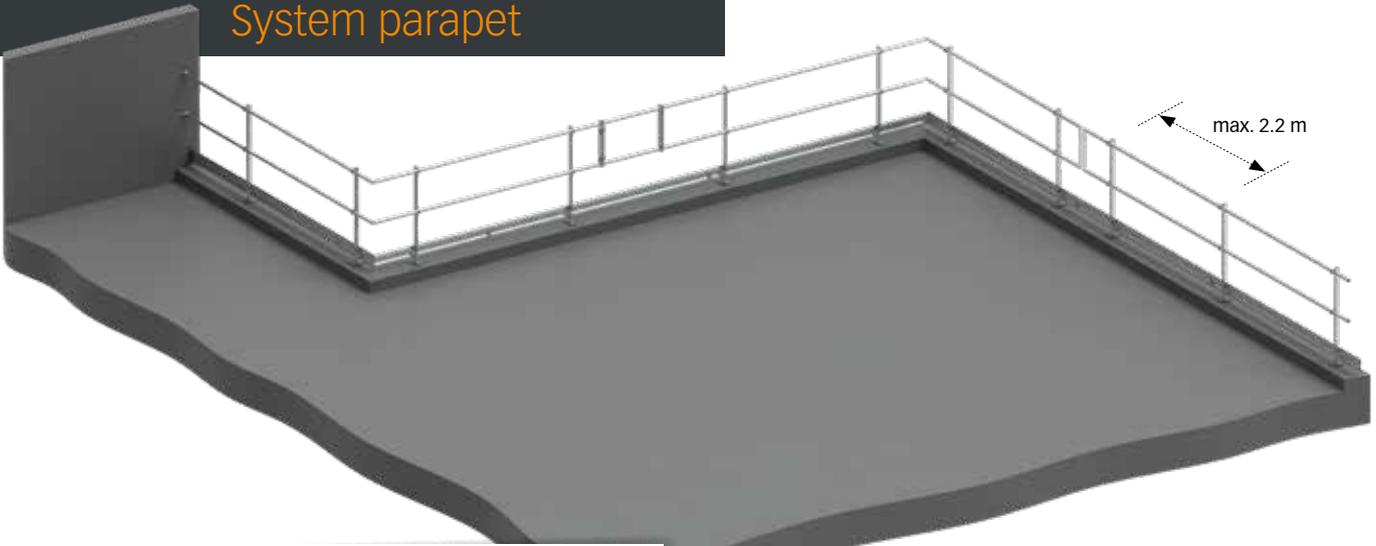
VARIO-CORNER TIE  
Material: stainless steel (AISI 304)

For the connection of two BARRIER-S22 booms





## System parapet



A further solution using the BARRIER guardrail system from INNOTECH is to install it on the parapet substructure. The guardrail system can be attached either on the parapet or alternatively to the inside of the parapet. The system's pitch angle is easily adjustable (90°, 75°, 60°). In order to maintain the building's aesthetics, it is possible to completely fold up the system.

### SYSTEM VARIANTS

#### BARRIER-ATTIKA-OBEN (BARRIER PARAPET ON THE TOP)

GUARDRAIL SYSTEM - TOP OF PARAPET

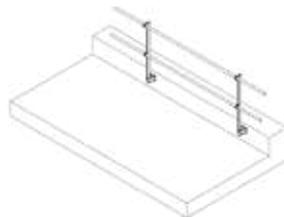
Substructure: Parapet (top)  
Material: aluminium, stainless steel (AISI 304)  
System pitch angle: 90°



#### BARRIER-PARAPET ON THE SIDE

GUARDRAIL SYSTEM - INSIDE OR OUTSIDE OF PARAPET

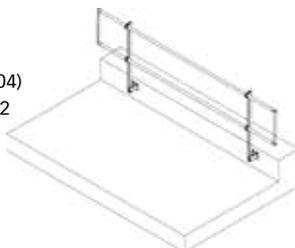
Substructure: Parapet (inside or outside)  
Material: aluminium, stainless steel (AISI 304)  
System pitch angle: 90°, 75°, 60° for BARRIER-S22



#### BARRIER-ATTIKA-SEITLICH (BARRIER PARAPET ON THE SIDE, HINGED)

GUARDRAIL SYSTEM - INSIDE OF PARAPET (HINGED)

Substructure: Parapet (inside)  
Material: aluminium, stainless steel (AISI 304)  
System pitch angle: 0°, 90° for BARRIER-S22



### RATING PLATE

#### BARRIER-Z11

RATING PLATE FOR BARRIER  
(EN 13374/EN ISO 14122-3/DIN 14094-2)



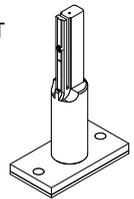
### FOOT ELEMENT

#### BARRIER-A22

ADAPTER FOR ATTACHMENT TO THE TOP OF THE PARAPET

Substructure: Concrete, steel construction  
Effective foot height: 137 mm  
Material: aluminium, stainless steel (AISI 304)

For attachment of the BARRIER-S21 post to the top of the parapet

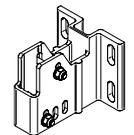


#### BARRIER-A10

ADAPTER ON THE SIDE OF THE PARAPET

Substructure: Concrete,  
Pitch angle of steel construction: 90°, 75°, 60°  
Material: aluminium, stainless steel (AISI 304)

For attachment of the BARRIER-S21 post to the inside of the parapet

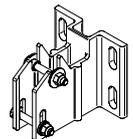


#### BARRIER-A11

ADAPTER ON THE INSIDE OF THE PARAPET (HINGED)

Substructure: Concrete,  
Pitch angle of steel construction: 90°, 75°, 60°  
Material: aluminium, stainless steel (AISI 304)

For attachment of the BARRIER-S21 post to the inside of a parapet

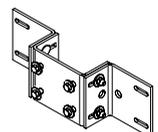


#### BARRIER-A31

SPACER BRACKET FOR PARAPET

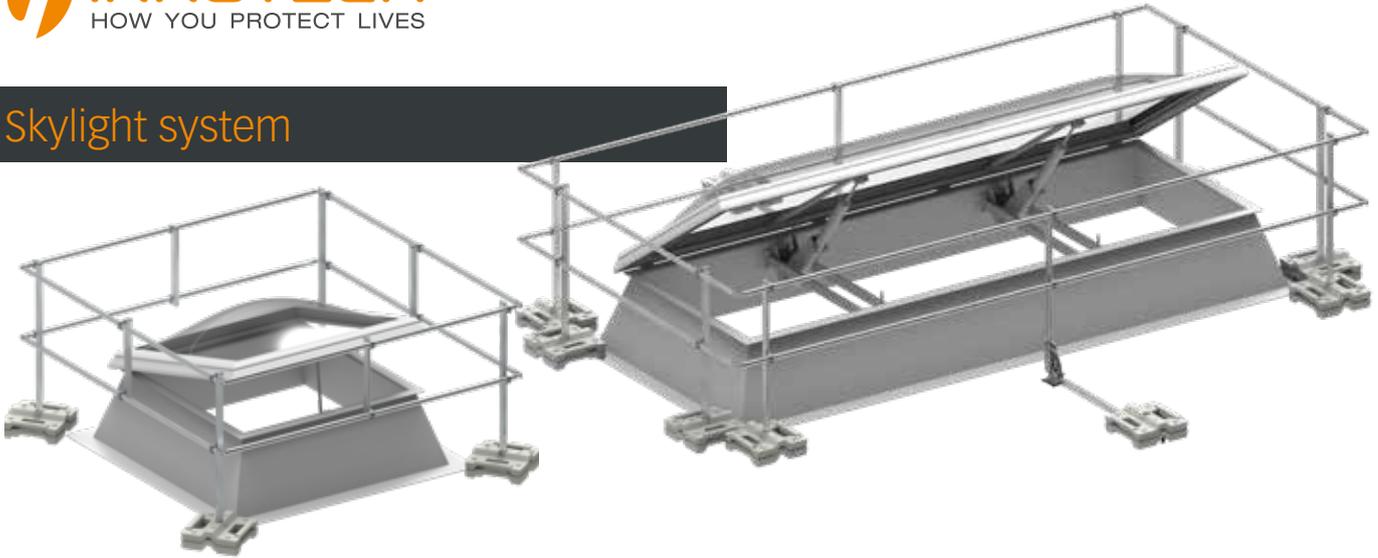
Substructure: Concrete, steel construction  
Material: aluminium, stainless steel (AISI 304)

2 different adjustment ranges (65 mm to 105 mm, or 100 mm to 145 mm for BARRIER-A10 and BARRIER-A11)





## Skylight system



The skylight guard from INNOTECH is the ideal protection for skylights and roof lights. Installation takes place without roof perforation and provides optimum protection.

### SYSTEM VARIANTS

#### BARRIER VARIO

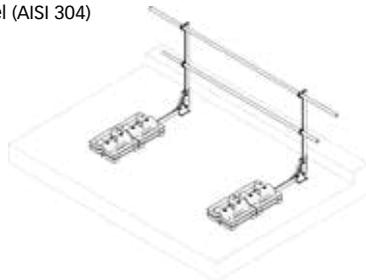
GUARDRAIL SYSTEM – HELD BY SUPERIMPOSED LOAD

Material: aluminium, stainless steel (AISI 304)

Substructure: Flat roof  
(max. 10° roof pitch)  
System pitch angle  
(pre-assembled): 90°, 75°

Without roof penetration

Boom with post and concrete weight (2 x 12.5 kg) with carrying handles



### RATING PLATE

#### BARRIER-Z11

RATING PLATE FOR BARRIER

(EN 13374/EN ISO 14122-3/DIN 14094-2)



### FOOT ELEMENT

#### BARRIER-V20

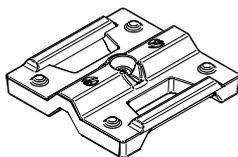
VARIO WEIGHT

Height x Width x Length: 93 x 390 x 390 mm

Weight: 12.5 kg

Material: Concrete

Concrete weight for BARRIER-V12 foot unit



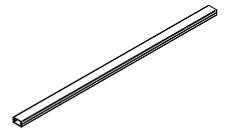
### FOOT ELEMENT

#### BARRIER-S22-1300

VARIO BOOM

Length: 1300 mm

Material: aluminium



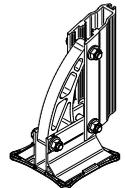
Standard boom for VARIO system,  
escape route as per plans  
Special lengths upon request

#### BARRIER-V12

VARIO-FOOT UNIT

Material: Aluminium, stainless steel (AISI 304), plastic

VARIO foot unit without boom/post, for creation of a collective side protection held by superimposed load, including protective plate



#### BARRIER-V82

VARIO ADAPTER FOOT

Application: Creation of a skylight guard of max. 2000 x 2000 mm

Material: Aluminium, stainless steel (AISI 304) for attaching the BARRIER-S21 post to a BARRIER-V20 VARIO weight



### POST

#### BARRIER-S20-1140

POST, VARIO SYSTEM, STRAIGHT

Length: 1080 mm

Material: Aluminium/zinc, stainless steel



Standard post for VARIO system including pipe bracket.

### DOOR

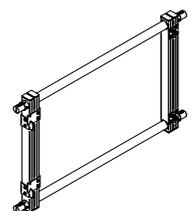
#### BARRIER-T30

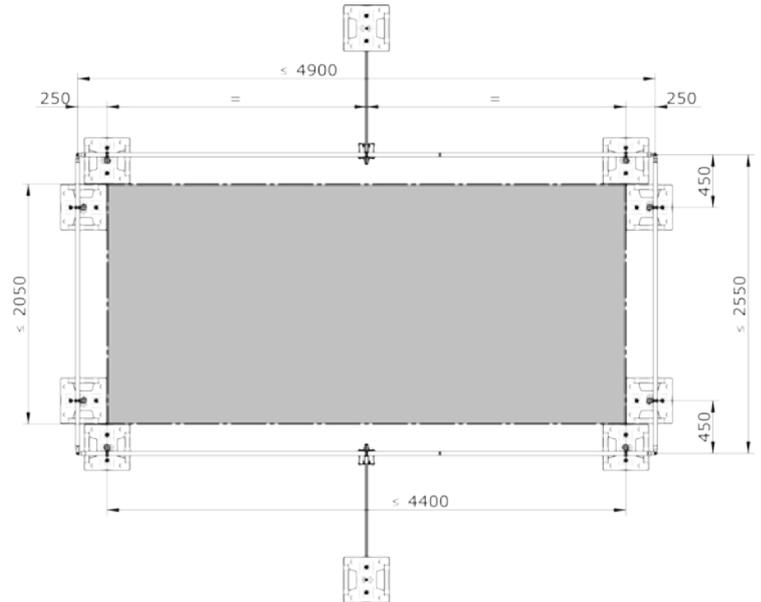
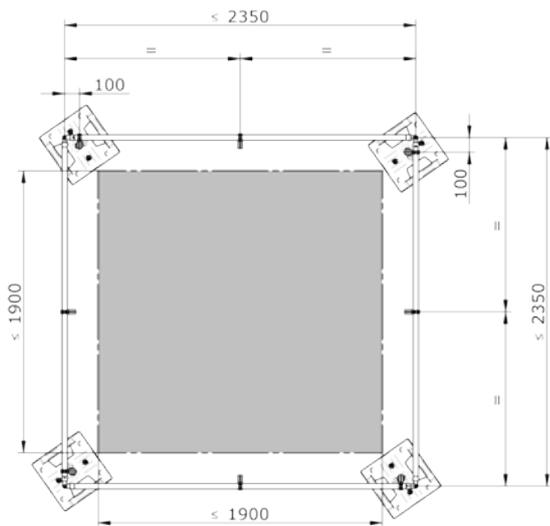
DOOR SET

Material: aluminium

Opening 800 mm, fixed attachment point,  
not selectable (right hand door)

For implementation using superimposed load,  
4x BARRIER-V20 weights required for each door side.





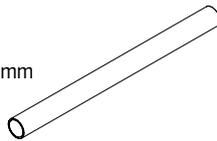
## HANDRAIL

### BARRIER-R11

ALUMINIUM PIPE, STRAIGHT

Diameter x Wall thickness x Length: 36 x 2.5 x 3000 mm

Material: aluminium



### BARRIER-R21

LINEAR TIE

Material: aluminium, stainless steel (AISI 304)



For connection of two BARRIER-R11 pipes

### BARRIER-R31

CORNER TIE

Material: Aluminium, plastic



For creating a corner with two BARRIER-R11 pipes  
Variably adjustable angle

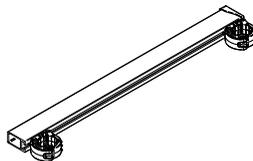
### BARRIER-S23

SIDE BAR

Length x Width x Height: 565 x 45 x 25 mm

Material: Aluminium, aluminium/zinc,  
stainless steel

Stiffening strut for BARRIER-R11 pipe



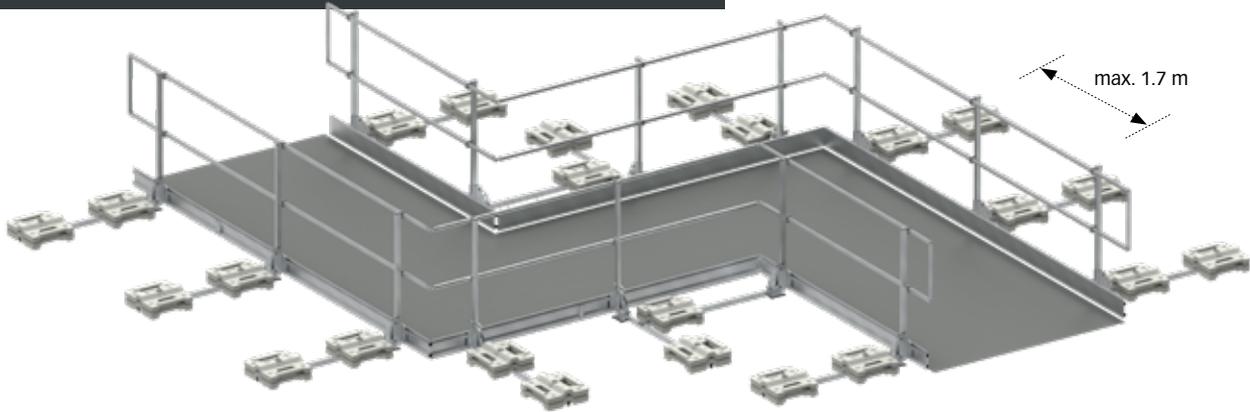
UNIVERSAL APPLICATION POSSIBILITIES

SHAVINGS-FREE INSTALLATION

DISCREET FLUSH-MOUNTED DESIGN

BARRIER / guardrail system

## SYSTEM VARIO escape route



The SYSTEM-VARIO escape route from INNOTECH is held by self supporting load and therefore installed without roof perforation. The width of the flexible system is adjustable, requires significantly less material because of the greater separation distances, and therefore reduces the superimposed load.

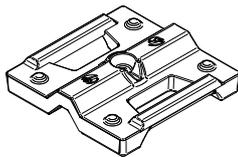
### RATING PLATE

**BARRIER-Z11**  
RATING PLATE FOR BARRIER  
(EN 13374/EN ISO 14122-3/DIN 14094-2)



### FOOT ELEMENT

**BARRIER-V20**  
VARIO WEIGHT  
Height x Width x Length: 93 x 390 x 390 mm  
Weight: 12.5 kg  
Material: Concrete



Concrete weight for BARRIER-V12 foot unit

**BARRIER-S22-1300**  
VARIO BOOM  
Length: 1300 mm  
Material: aluminium



Standard boom for VARIO system, escape route as per plans

Special lengths upon request

**BARRIER-V12**  
VARIO-FOOT UNIT  
Material: Aluminium, stainless steel (AISI 304), plastic



VARIO foot unit without boom/post, for creation of a collective side protection held by superimposed load, including protective plate

### FOOT ELEMENT

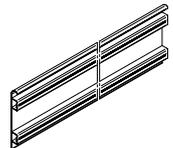
**BARRIER-V92**  
VARIO-CORNER TIE  
Material: stainless steel (AISI 304)



For the connection of two BARRIER-S22 booms

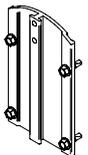
### TOE BOARD

**BARRIER-F20**  
TOE BOARD  
Height x Width x Length: 170 x 20 x 3000 mm  
Material: aluminium



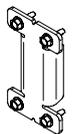
Suitable for use with BARRIER-S20/S21 post and VARIO BARRIER-V12 foot unit, when no parapet higher than 150mm is present.

**BARRIER-F22**  
TOE BOARD BRACKET FOR FASTENING THE TOE BOARD TO THE VARIO BARRIER-V12 FOOT UNIT  
Material: aluminium, stainless steel (AISI 304)



for fastening the BARRIER-F20 toe board to the VARIO BARRIER-V12 foot unit

**BARRIER-F23**  
TOE BOARD CONNECTOR SET  
Material: aluminium, stainless steel (AISI 304)



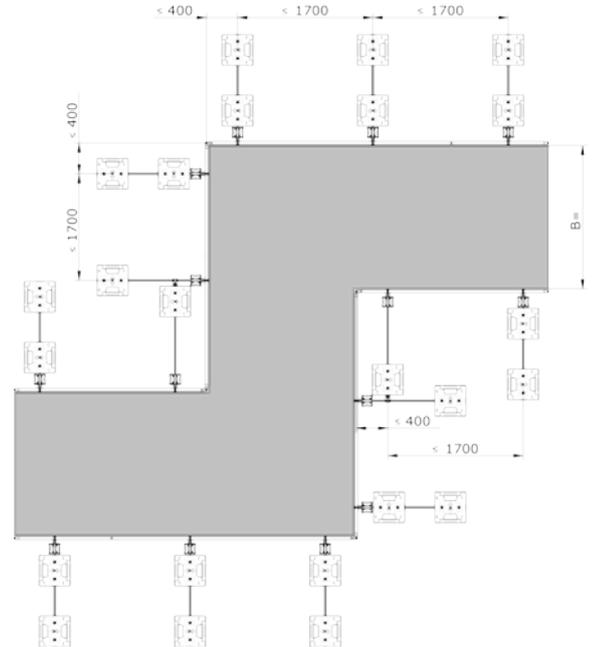
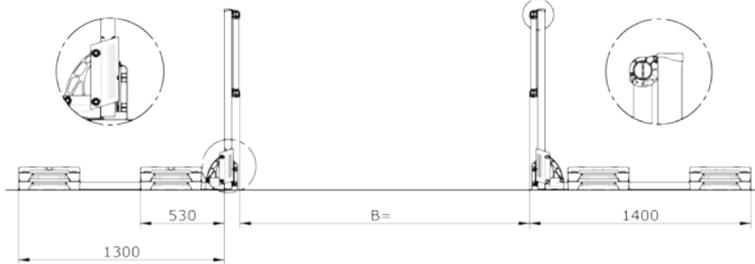
for connecting two BARRIER-F20 toe boards

### POST

**BARRIER-S20-1140**  
POST, VARIO SYSTEM, STRAIGHT  
Length: 1080 mm  
Material: Aluminium/zinc, stainless steel



Standard post for VARIO system including pipe bracket.



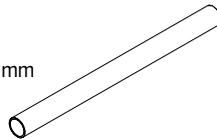
## HANDRAIL

### BARRIER-R11

ALUMINIUM PIPE, STRAIGHT

Diameter x Wall thickness x Length: 36 x 2.5 x 3000 mm

Material: aluminium



### BARRIER-R21

LINEAR TIE

Material: aluminium, stainless steel (AISI 304)

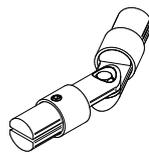


For connection of two BARRIER-R11 pipes

### BARRIER-R31

CORNER TIE

Material: Aluminium, plastic



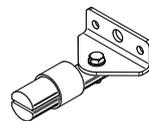
For creating a corner with two BARRIER-R11 pipes  
 Variably adjustable angle

### BARRIER-R41

WALL TIE

Substructure: Concrete, steel construction

Material: Aluminium, plastic



Variably adjustable angle

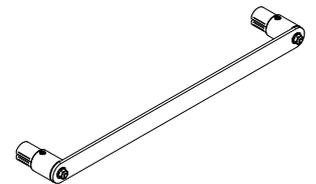
## HANDRAIL

### BARRIER-R51

END SEAL

Material: aluminium

End seal for two BARRIER-R11 pipes  
 Projection of pipe max. 500 mm



### BARRIER-R91

CAP FOR BARRIER-R11 ALUMINIUM PIPE

Diameter x thickness: 36 x 2 mm

Packaging unit: 2 items

Material: Plastic



Cap for BARRIER-R11 pipes

Projection of pipe max. 350 mm

## DOOR

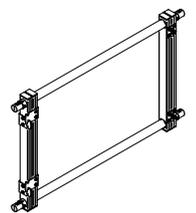
### BARRIER-T30

DOOR SET

Material: aluminium

Opening 800 mm, fixed attachment point,  
 not selectable (right hand door)

For implementation using superimposed load,  
 4x BARRIER-V20 weights required for each door side.



## System concrete slabs for escape route



The escape route system from INNOTECH, using concrete slabs, is held in place by superimposed load, and installed without roof penetration. The width of the flexible system is adjustable, and is extremely space-saving thanks to the innovative design.

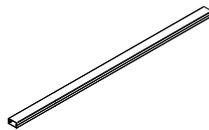
### RATING PLATE

**BARRIER-Z11**  
RATING PLATE FOR BARRIER  
(EN 13374/EN ISO 14122-3/DIN 14094-2)



### FOOT ELEMENT

**BARRIER-S22-1300**  
VARIO BOOM  
Length: 1300 mm  
Material: aluminium



Standard boom for VARIO system, escape route as per plans

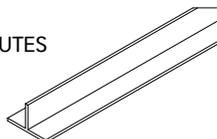
Special lengths upon request

**BARRIER-V12**  
VARIO-FOOT UNIT  
Material: Aluminium, stainless steel (AISI 304), plastic



VARIO foot unit without boom/post, for creation of a collective side protection held by superimposed load, including protective plate

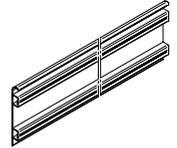
**BARRIER-Z50-3000**  
FOOTWAY RAIL FOR EMERGENCY ESCAPE ROUTES  
Height x Width x Length: 50 x 80 x 3000 mm  
Application: Escape routes  
Material: aluminium



For the creation of escape routes using concrete slabs

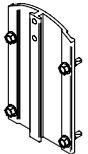
### TOE BOARD

**BARRIER-F20**  
TOE BOARD  
Height x Width x Length: 170 x 20 x 3000 mm  
Material: aluminium



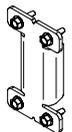
Suitable for use with BARRIER-S20/S21 post and VARIO BARRIER-V12 foot unit, when no parapet higher than 150mm is present.

**BARRIER-F22**  
TOE BOARD BRACKET FOR FASTENING THE TOE BOARD TO THE VARIO BARRIER-V12 FOOT UNIT  
Material: aluminium, stainless steel (AISI 304)



for fastening the BARRIER-F20 toe board to the VARIO BARRIER-V12 foot unit

**BARRIER-F23**  
TOE BOARD CONNECTOR SET  
Material: aluminium, stainless steel (AISI 304)



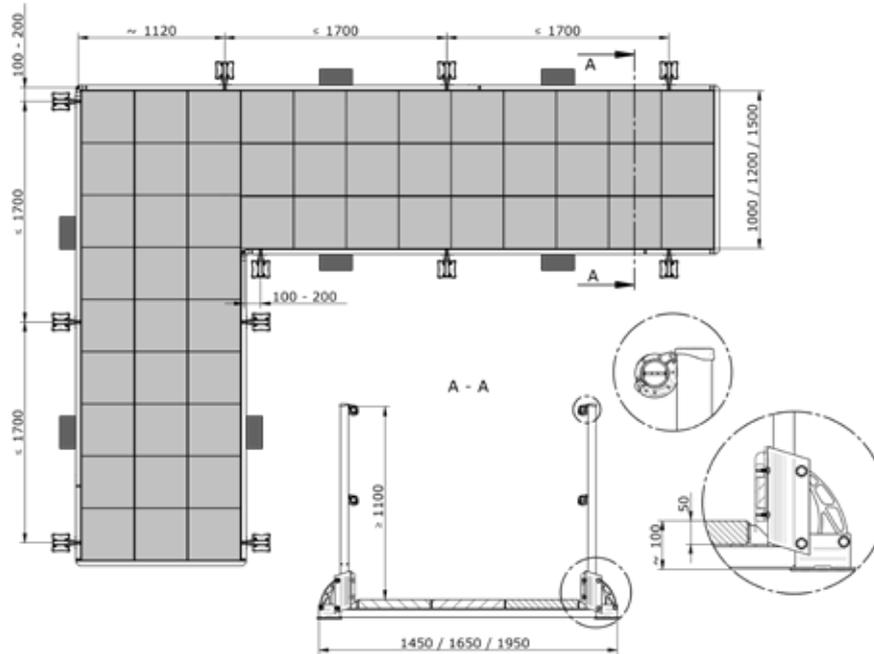
for connecting two BARRIER-F20 toe boards

### POST

**BARRIER-S20-1140**  
POST, VARIO SYSTEM, STRAIGHT  
Length: 1080 mm  
Material: Aluminium/zinc, stainless steel



Standard post for VARIO system including pipe bracket.



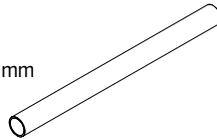
## HANDRAIL

### BARRIER-R11

ALUMINIUM PIPE, STRAIGHT

Diameter x Wall thickness x Length: 36 x 2.5 x 3000 mm

Material: aluminium



### BARRIER-R21

LINEAR TIE

Material: aluminium, stainless steel (AISI 304)

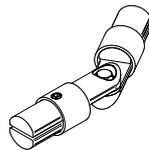


For connection of two BARRIER-R11 pipes

### BARRIER-R31

CORNER TIE

Material: Aluminium, plastic



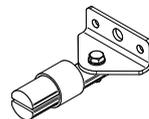
For creating a corner with two BARRIER-R11 pipes, variably adjustable angle

### BARRIER-R41

WALL TIE

Substructure: Concrete, steel construction

Material: Aluminium, plastic



Variably adjustable angle

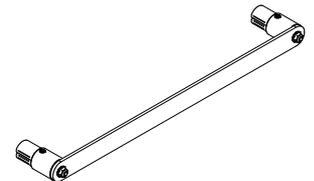
## HANDRAIL

### BARRIER-R51

END SEAL

Material: aluminium

End seal for two BARRIER-R11 pipes  
Projection of pipe max. 500 mm



### BARRIER-R91

CAP FOR BARRIER-R11 ALUMINIUM PIPE

Diameter x thickness: 36 x 2 mm

Packaging unit: 2 items

Material: Plastic



Cap for BARRIER-R11 pipes

Projection of pipe max. 350 mm

## DOOR

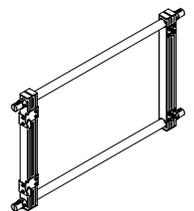
### BARRIER-T30

DOOR SET

Material: aluminium

Opening 800 mm, fixed attachment point, not selectable (right hand door)

When used with superimposed load, 4x BARRIER-V20 weights required on each side



THE INNOTECH SAFETY TRAINING

# INNO|training

Onsite in your company.

You think that our training courses are great,  
but you can't send your employees to us?

**NO PROBLEM - IN THAT CASE, WE'LL COME TO YOU!**

INNO|training guarantees compact training onsite; this includes the same audiovisual presentations available in our INNO|school, provided by your personal technical representative. In the training bus, you can inspect our products up close and in detail, and the very comfortable seating makes the training a top class event which you should not miss!

After completion of the 4 to 5 hour INNO|training, you receive your own personal certificate, and are therefore trained to install our products correctly.

**This INNO|training certificate is valid for 18 months.**

During this period, you are able to attend the INNO|school training and here to complete the modules which are still open. As a graduate of the INNO|school, you receive a certificate which is not time-limited.

The benefits for you as an INNOTECH® customer:

- Training at first hand from your personal tutor.
- Huge time-saving
- Fully equipped training bus
- Comfortable seating for 6 persons
- Integrated electronics for high-tech presentations



Book your next training right now:

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