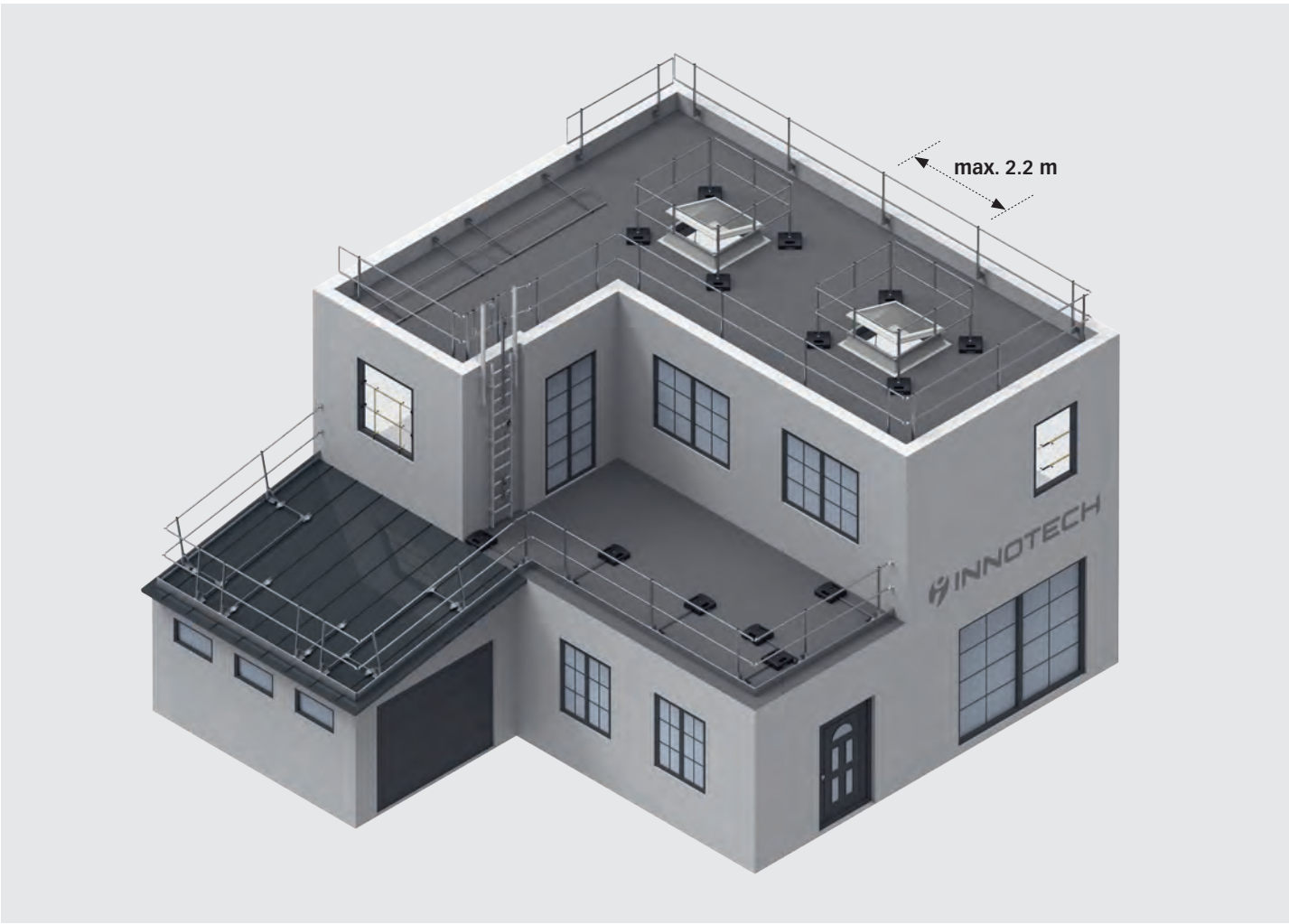
INNOTECH
HOW YOU PROTECT LIVES



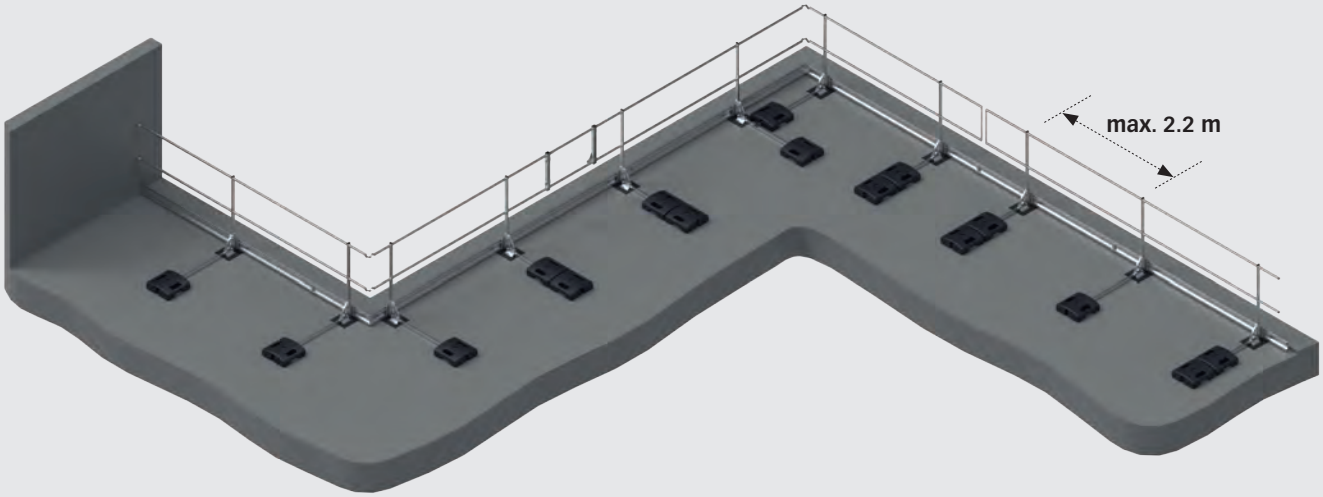
Guardrail system **BARRIER** EN

The BARRIER guardrail system from INNOTECH provides many varied application options in collective side protection, because it has been designed in such a way that it can be optimally adapted to individual construction conditions. The uncomplicated, quick installation and the option of mounting without roof penetration make the product a flexible all-rounder which fits in to the aesthetics of buildings in an extremely pleasing way. The high-quality railings are manufactured from weather-resistant aluminium and outstandingly fulfil the most demanding architectural requirements, thanks to a varyingly adjustable inclination.

- universal application options
- adjustable height and angle
- low superimposed load due to maximum post distance of **2.2 m**
- no roof penetration required, folding version
- simple flush design
- short installation time and simple assembly
- expandable in many ways, with door, toeboard and corner elements
- fastening to standing seam and trapezoidal supporting sheet possible
- plastic-encased superimposed load weight with integrated carrying handles
- certification to the latest state of the art:

  EN 13374:2013
  EN ISO 14122-3:2014
  DIN 14094-2:2007
  NF E 85-015:2008

SYSTEM-VARIO



For detailed view, see to the right

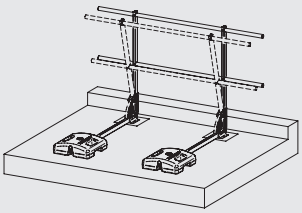
The self-supporting BARRIER VARIO guardrail system by INNOTECH can also be quickly installed retroactively. The system can be adjusted in height by 125 mm, so it adapts ideally to any roof slope. If needed, the railing can be inclined or folded by up to 75°, so the system fits outstandingly into the constructional circumstances.

SYSTEM VARIANT

BARRIER-VARIO
GUARDRAIL SYSTEM – self-supporting
Material: aluminium, stainless steel AISI 304
Substructure: flat roof (max 10° roof slope)
System inclination (pre-assembled): 90°, 75°

Without roof penetration – at least 50 mm Parapet is required!

Boom with post and plastic-encased concrete weight (approx. 25 kg) with carrying handles!



RATING PLATE

BARRIER-Z11
RATING PLATE for BARRIER (EN 13374 / EN ISO 14122-3 / DIN 14094-2 / NF E 85-015)

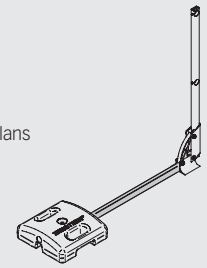
FOOT ELEMENT

BARRIER-V10
VARIO WEIGHT
Height x Width x Length 122 x 395 x 395 mm
Weight: 25 kg
Material: plastic, concrete

Plastic-encased concrete weight for BARRIER-S12 boom

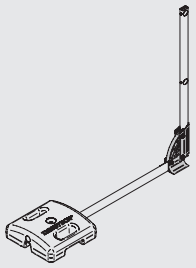
BARRIER-S12-1150
VARIO BOOM
Length:1150 mm
Material: aluminium

Standard length for VARIO system, escape route as per plans



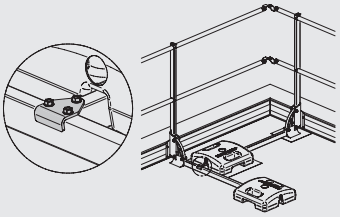
BARRIER-V12
VARIO FOOT UNIT
MATERIAL: aluminium, stainless steel AISI 304

VARIO foot unit excluding boom/post, for creation of a load-bearing collective side protection



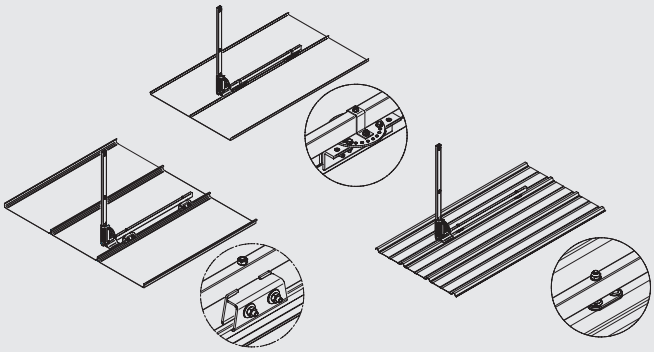
BARRIER-V91
VARIO CORNER TIE
Material: stainless steel AISI 304

For right-angled connection of two BARRIER-S12 booms

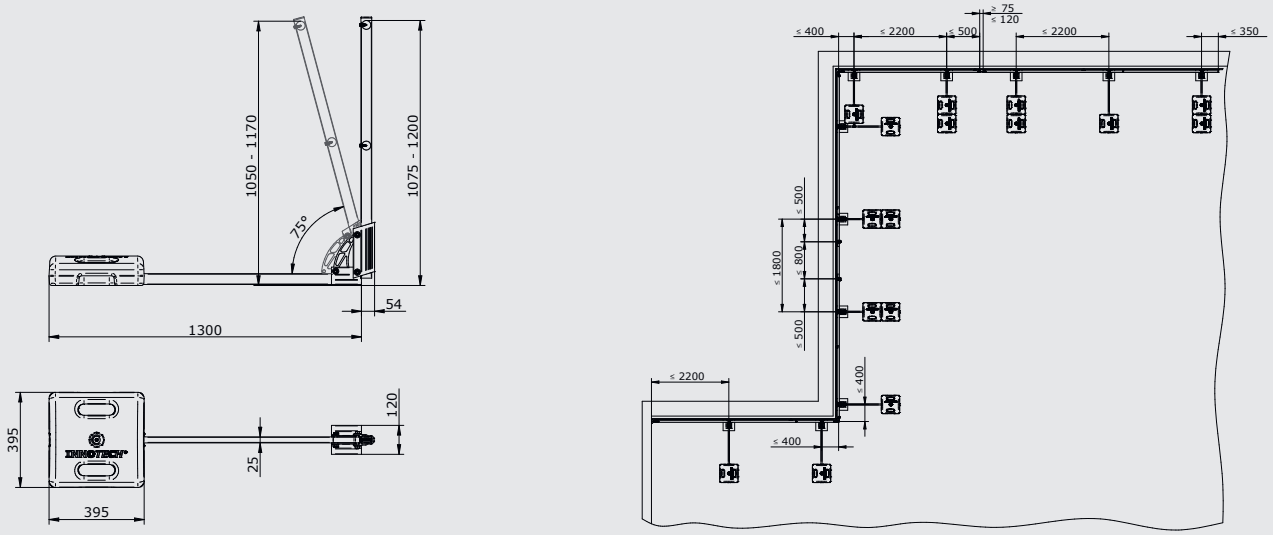


SPECIAL FOOT ELEMENTS

Substructure: standing seam roof, trapezoidal covering sheet



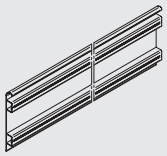
DIMENSIONS



TOEBOARD

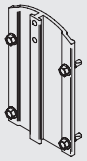
BARRIER-F20
TOEBOARD
Height x Width x Length 170 x 20 x 3000 mm
Material: aluminium

Suitable for BARRIER-S11/S13 post
and VARIO BARRIER-V12 foot unit
For use when no parapet higher than 150mm is available.



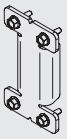
BARRIER-F22
TOEBOARD BRACKET for fastening the toeboard to the VARIO BARRIER-V12 foot unit
Material: aluminium, stainless steel AISI 304

for fastening the BARRIER-F20 toeboard
to the VARIO BARRIER-V12 foot unit



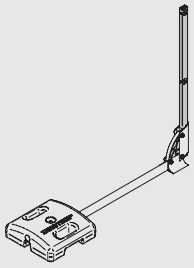
BARRIER-F23
TOEBOARD CONNECTION SET
Material: aluminium, stainless steel AISI 304

for connecting two BARRIER-F20 toeboards



POST

BARRIER-S11-1080
POST, VARIO SYSTEM, straight, fixed
Length:1080 mm
Material: aluminium



HANDRAIL

BARRIER-R11
ALUMINIUM PIPE, straight
Diameter x Wall Thickness x Length: 36 x 2.5 x 3000 mm
Material: aluminium

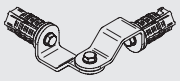
HANDRAIL

BARRIER-R21
LINEAR TIE
Material: aluminium, stainless steel AISI 304

For connection of two BARRIER-R11 pipes

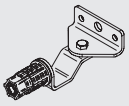
BARRIER-R30
CORNER TIE
Material: aluminium, plastic

for connection of two BARRIER-R11 pipes
Variably adjustable angle!



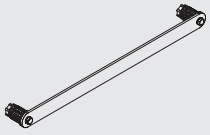
BARRIER-R40
WALL TIE
Substructure: concrete, steel construction
Material: aluminium, plastic

Variably adjustable angle!



BARRIER-R50
END SEAL
Material: aluminium, plastic

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



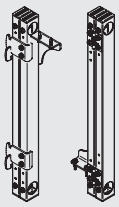
BARRIER-R91
CAP FOR BARRIER-R11 ALUMINIUM PIPE
Diameter x thickness 36 x 2 mm
Packing unit: 2 items
Material: Plastic

Cap for BARRIER-R11 pipes
Projection of rail pipe **max. 350 mm**

DOOR

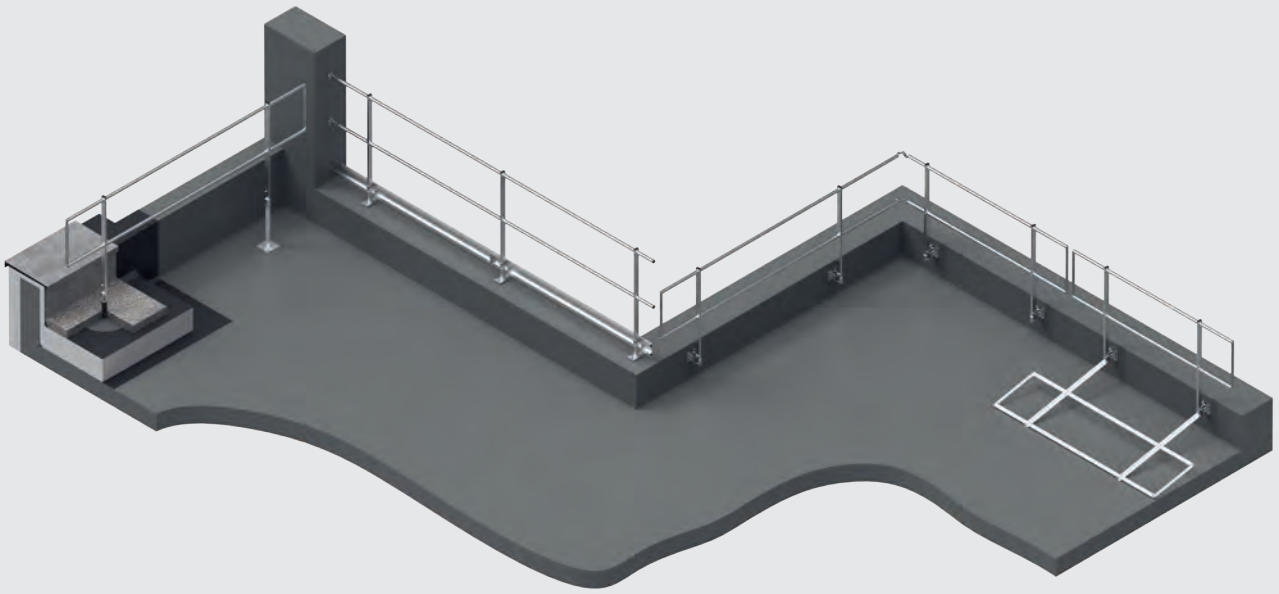
BARRIER-T20
DOOR SET
Material: aluminium

Opening selectable up to 800 mm max.
For self-supporting installation (VARIO system),
2 x BARRIER-V10 weights required for each door side.



BARRIER

SYSTEM-PARAPET

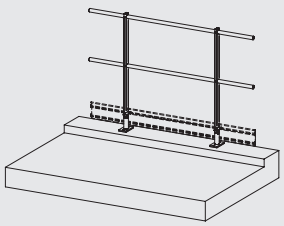


For detailed view, see to the right

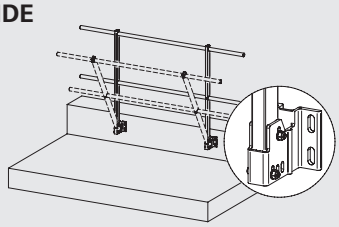
Another solution of the BARRIER guardrail system from INNOTECH consists of installing it on the parapet as the substructure. The guardrail system can be fastened either onto the parapet or to the inside of the parapet. The inclination of the system can be easily adjusted (90°, 70°). In order to maintain the aesthetics of the building, it is possible to fold the system completely.

SYSTEM VARIANTS

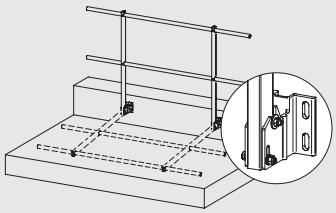
BARRIER-PARAPET ON TOP
GUARDRAIL SYSTEM – parapet, top
Substructure: parapet (top)
Material: aluminium, stainless steel AISI 304
System inclination: 90°



BARRIER-PARAPET-ON THE SIDE
GUARDRAIL SYSTEM –
parapet, inside or outside
Substructure: parapet (inside or outside)
Material: aluminium, stainless steel AISI 304
System inclination: 90°, 75°, 60°



BARRIER-PARAPET-ON THE SIDE (FOLDABLE)
GUARDRAIL SYSTEM –
parapet, inside (foldable)
Substructure: parapet (inside)
Material: aluminium, stainless steel AISI 304
System inclination: 0°, 90°



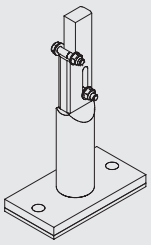
RATING PLATE

BARRIER-Z11
RATING PLATE for BARRIER
(EN 13374 / EN ISO 14122-3 / DIN 14094-2
NF E 85-015)

FOOT ELEMENT

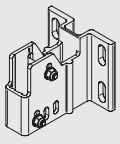
BARRIER-A21
PARAPET ADAPTER FOR ATTACHMENT
ON THE TOP OF THE PARAPET
Substructure: concrete, steel construction
Effective foot height: 135 mm
Material: aluminium, stainless steel AISI 304

For fastening BARRIER-S13 post to the top of a parapet



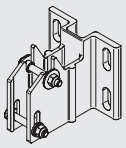
BARRIER-A10
ADAPTER ON THE SIDE OF THE PARAPET
Substructure: concrete, steel construction
Inclination: 90°, 75°, 60°
Material: aluminium, stainless steel AISI 304

For fastening the BARRIER-S13 post to the inside of a parapet



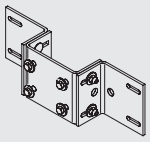
BARRIER-A11
ADAPTER ON THE INSIDE OF THE PARAPET, FOLDABLE
Substructure: concrete, steel construction
Inclination: 90°, foldable
Material: aluminium, stainless steel AISI 304

For fastening the BARRIER-S13 post to the top of a parapet



BARRIER-A31
SPACER BRACKET FOR PARAPET
Substructure: concrete, steel construction
Material: aluminium, stainless steel AISI 304

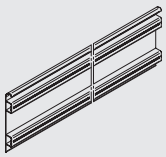
2 different adjustment ranges
(65 mm to 105 mm or 100 mm to 145 mm)
for BARRIER-A10 and BARRIER-A11



TOEBOARD

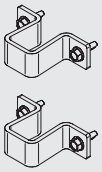
BARRIER-F20
TOEBOARD
Height x Width x Length 170 x 20 x 3000 mm
Material: aluminium

Suitable for BARRIER-S11/S13 post
and VARIO BARRIER-V12 foot unit
For use when no parapet higher than 150mm is available.



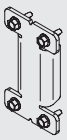
BARRIER-F21
TOEBOARD BRACKET FOR FASTENING THE TOEBOARD TO THE BARRIER-S10 POST
Height x Width 25 x 45 mm
Packing unit: 2 items
Material: aluminium, stainless steel AISI 304

For fastening the BARRIER-F20 toeboard to the BARRIER-S13 post



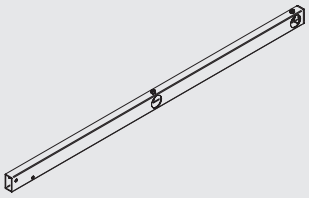
BARRIER-F23
TOEBOARD CONNECTION SET
Material: aluminium, stainless steel AISI 304

For connecting two BARRIER-F20 toeboards



POST

BARRIER-S13-1050
POST, STRAIGHT, FIXED
Length:1050 mm
Material: aluminium



HANDRAIL

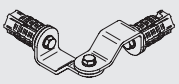
BARRIER-R11
ALUMINIUM PIPE, STRAIGHT
Diameter x Wall Thickness x Length: 36 x 2.5 x 3000 mm
Material: aluminium

BARRIER-R21
LINEAR TIE
Material: aluminium, stainless steel AISI 304

For connection of two BARRIER-R11 pipes

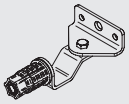
BARRIER-R30
CORNER TIE
Material: aluminium, plastic

For connection of two BARRIER-R11 pipes
Variably adjustable angle!



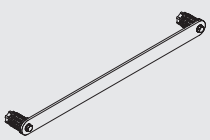
BARRIER-R40
WALL TIE
Substructure: concrete, steel construction
Material: aluminium, plastic

Variably adjustable angle!



BARRIER-R50
END SEAL
Material: aluminium, plastic

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



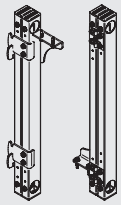
BARRIER-R91
CAP FOR BARRIER-R11 ALUMINIUM PIPE
Diameter x thickness 36 x 2 mm
Packing unit: 2 items
Material: Plastic

Cap for BARRIER-R11 pipes
Projection of rail pipe max. 350 mm

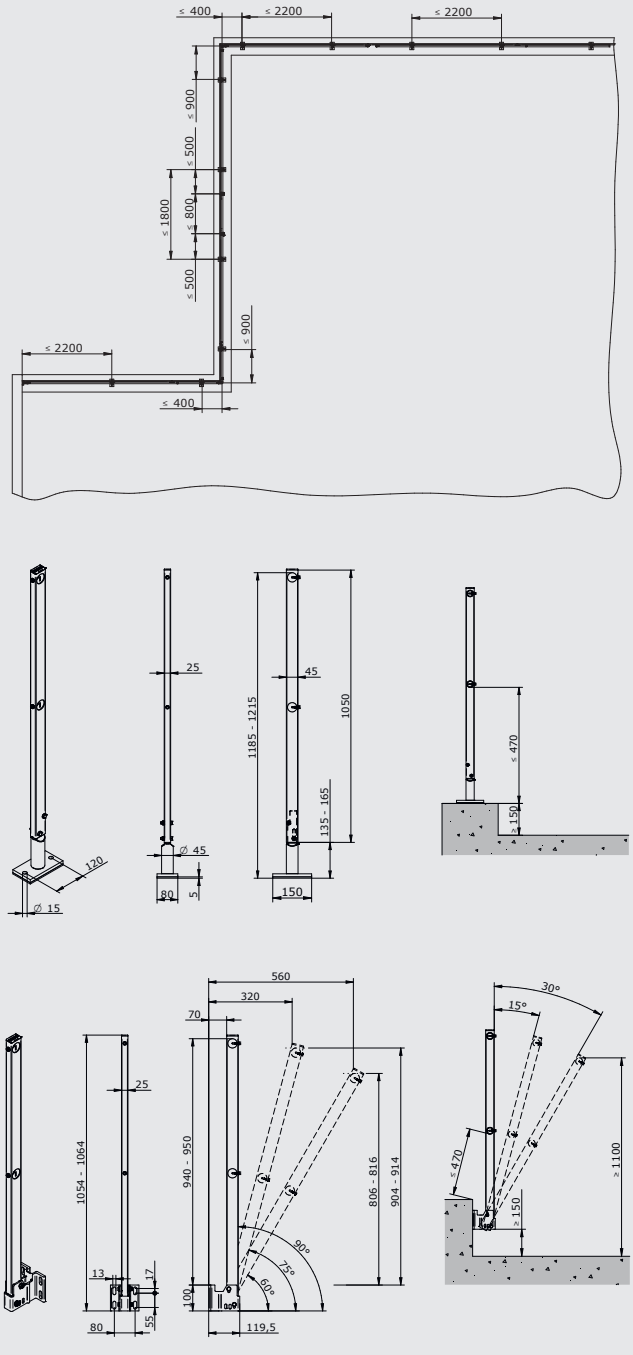
DOOR

BARRIER-T20
DOOR SET
Material: aluminium

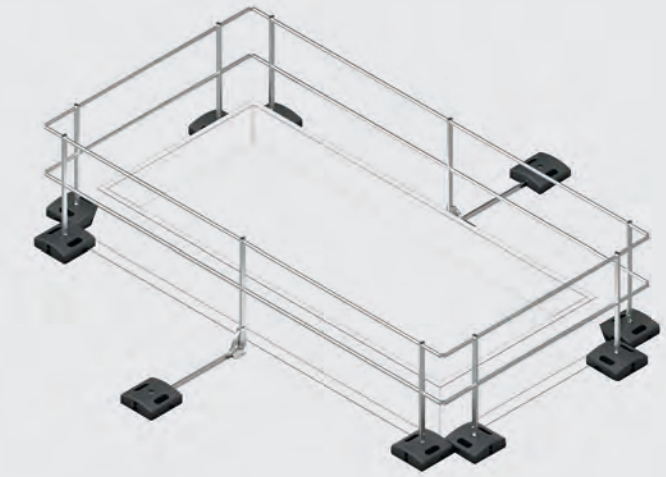
Opening selectable up to 800 mm max.
For self-supporting design (VARIO system),
2 x BARRIER-V10 weights required for each door side.



DIMENSIONS



LIGHT DOME SYSTEM



For detailed view, see to the right

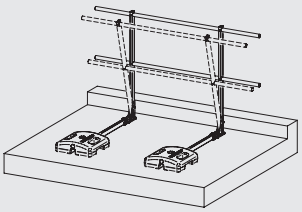
The skylight fencing from INNOTECH is the ideal protection for skylights and complete strip lights. Installation is carried out without roof penetration and provides optimum protection.

SYSTEM VARIANTS

BARRIER-VARIO
GUARDRAIL SYSTEM – self-supporting
Material: aluminium, stainless steel AISI 304
Substructure: flat roof (max 10° roof slope)
System inclination (pre-assembled): 90°, 75°

Without roof penetration – at least 50 mm
Parapet is required!

Boom with post and plastic-encased concrete weight (25 kg) with carrying handles!



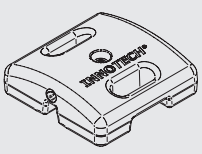
RATING PLATE

BARRIER-Z11
RATING PLATE for BARRIER (EN 13374 / EN ISO 14122-3 / DIN 14094-2 / NF E 85-015)

FOOT ELEMENT

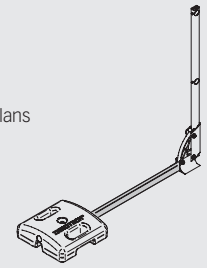
BARRIER-V10
VARIO WEIGHT
Height x Width x Length 122 x 395 x 395 mm
Weight: 25 kg
Material: plastic, concrete

Plastic-encased concrete weight for BARRIER-S12 boom



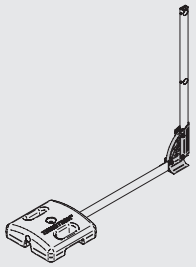
BARRIER-S12-1150
BOOM
Length:1150 mm
Material: aluminium

Standard length for VARIO system, escape route as per plans



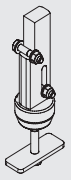
BARRIER-V12
VARIO FOOT UNIT
Material: aluminium, stainless steel AISI 304

VARIO foot unit without boom/post,
for creation of load-bearing collective side protection



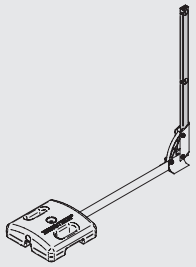
BARRIER-V81
VARIO ADAPTER FOOT
Application: Creation of skylight fencing of max. 2000 x 2000 mm
Material: aluminium, stainless steel AISI 304

For fastening the BARRIER-S13 post to a BARRIER-V10 VARIO weight

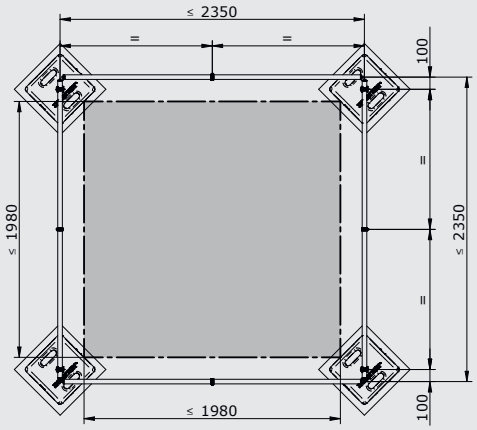


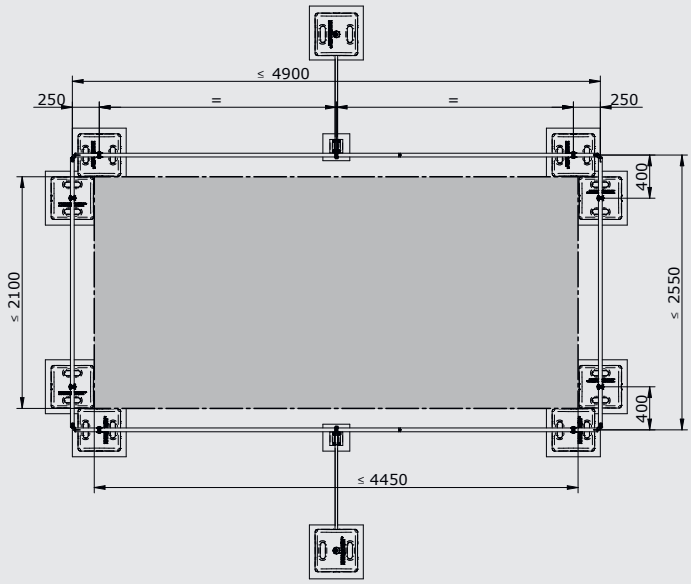
POST

BARRIER-S11-1080
POST, VARIO SYSTEM, STRAIGHT, FIXED
Length:1080 mm
Material: aluminium



DIMENSIONS





HANDRAIL

BARRIER-R11
ALUMINIUM PIPE, STRAIGHT
Diameter x Wall Thickness x Length: 36 x 2.5 x 3000 mm
Material: aluminium

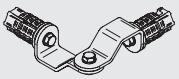
BARRIER-R21
LINEAR TIE
Material: aluminium, stainless steel AISI 304

For connection of two BARRIER-R11 pipes

BARRIER-R30
CORNER TIE
Material: aluminium, plastic

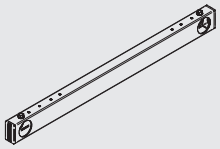
For connection of two BARRIER-R11 pipes

Variably adjustable angle!



BARRIER-T23
SIDE BAR
Length x Width x Height: 565 x 45 x 25 mm
Material: aluminium

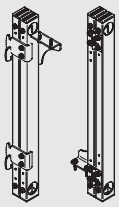
Side bar for BARRIER-R11 pipe
Projection of pipe max. 500 mm



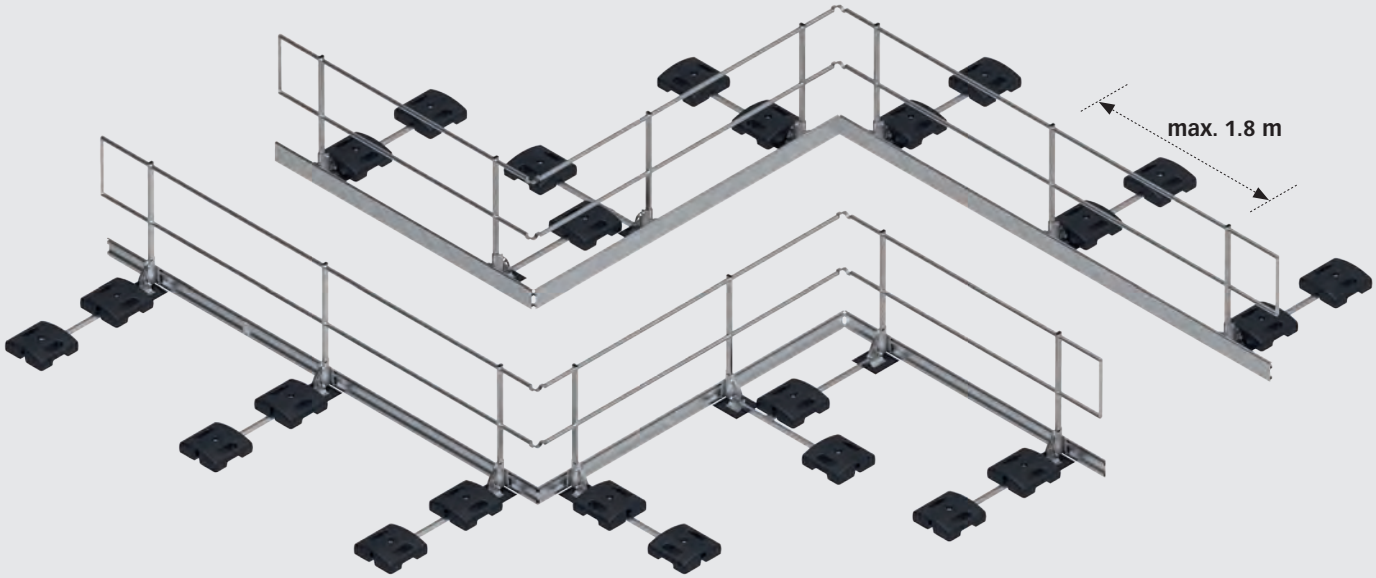
DOOR

BARRIER-T20
DOOR SET
Material: Aluminium

Opening selectable up to 800 mm max.
For self-supporting design (VARIO system),
2 x BARRIER-V10 weights required for each door side.



ESCAPE ROUTE OF SYSTEM VARIO

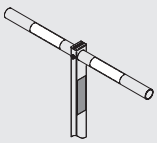


For detailed view, see to the right

The SYSTEM-VARIO escape route from INNOTECH is self-supporting and thus installed without roof penetration. The width of the flexible system is adjustable, requires significantly less material due to the large distances and thus reduces the superimposed load.

RATING PLATE

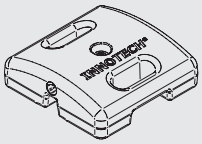
BARRIER-Z11
RATING PLATE for BARRIER (EN 13374 / EN ISO 14122-3 / DIN 14094-2 / NF E 85-015)



FOOT ELEMENT

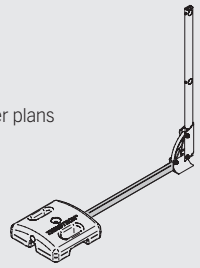
BARRIER-V10
VARIO WEIGHT
Height x Width x Length 122 x 395 x 395 mm
Weight: 25 kg
Material: Plastic, concrete

Plastic-encased concrete weight for BARRIER-S12 boom



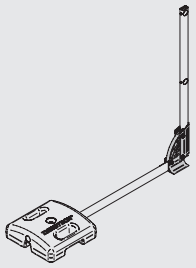
BARRIER-S12-1150
BOOM
Length: 1150 mm
Material: aluminium

Standard length for VARIO system, escape route as per plans



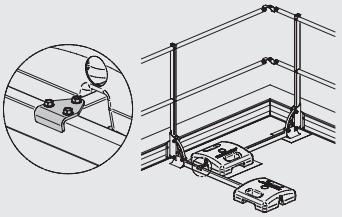
BARRIER-V12
VARIO FOOT UNIT
Material: aluminium, stainless steel AISI 304

VARIO foot unit without boom/post, for creation of load-bearing collective side protection



BARRIER-V91
VARIO CORNER TIE
Material: stainless steel AISI 304

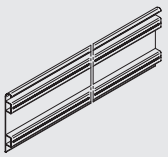
for the right-angled connection of two BARRIER-S12 booms



TOEBOARD

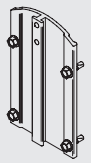
BARRIER-F20
TOEBOARD
Height x Width x Length 170 x 20 x 3000 mm
Material: aluminium

suitable for BARRIER-S11/- S13 post and VARIO BARRIER-V12 foot unit
For use when no parapet higher than 150mm is available.

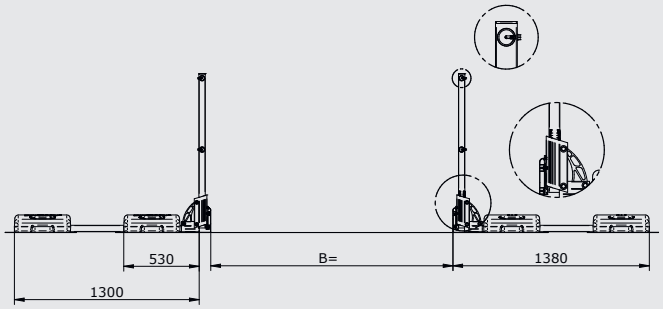


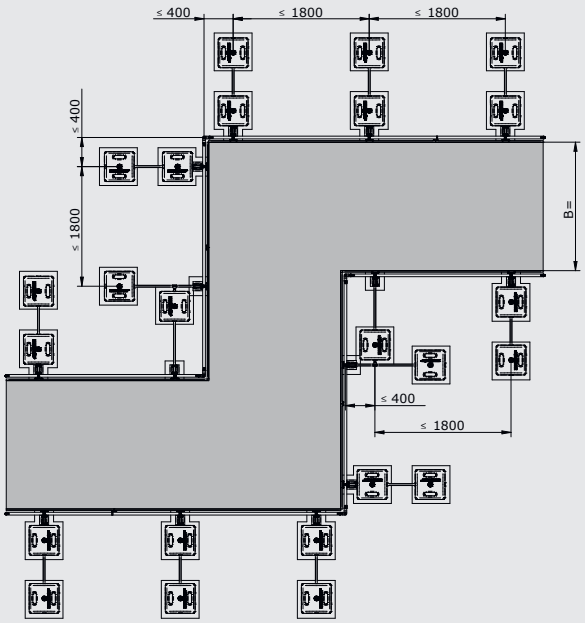
BARRIER-F22
TOEBOARD BRACKET for fastening the toeboard to the VARIO BARRIER-V12 foot unit
Material: aluminium, stainless steel AISI 304

For fastening the BARRIER-F20 toeboard to the VARIO BARRIER-V12 foot unit



DIMENSIONS

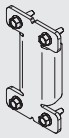




TOEBOARD

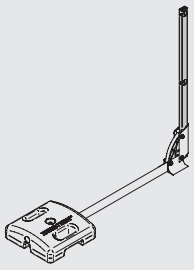
BARRIER-F23
TOEBOARD CONNECTION SET
Material: aluminium, stainless steel AISI 304

For connecting two BARRIER-F20 toeboards



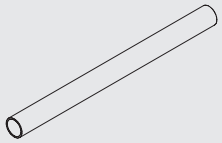
POST

BARRIER-S11-1080
POST, VARIO SYSTEM, STRAIGHT, FIXED
Length: 1080 mm
Material: aluminium



HANDRAIL

BARRIER-R11
ALUMINIUM PIPE, STRAIGHT
Diameter x Wall Thickness x Length: 36 x 2.5 x 3000 mm
Material: aluminium



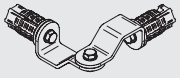
BARRIER-R21
LINEAR TIE
Material: aluminium, stainless steel AISI 304

For connection of two BARRIER-R11 pipes

BARRIER-R30
CORNER TIE
Material: aluminium, plastic

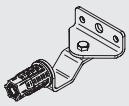
For connection of two BARRIER-R11 pipes

Variably adjustable angle!



BARRIER-R40
WALL TIE
Substructure: concrete, steel construction
Material: aluminium, plastic

Variably adjustable angle!



BARRIER-R50
END SEAL
Material: aluminium, plastic

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

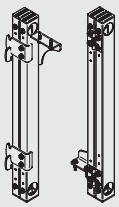
BARRIER-R91
CAP FOR BARRIER-R11 ALUMINIUM PIPE
Diameter x thickness 36 x 2 mm
Packing unit: 2 items
Material: Plastic

Cap for BARRIER-R11 pipes
Projection of rail pipe max. 350 mm

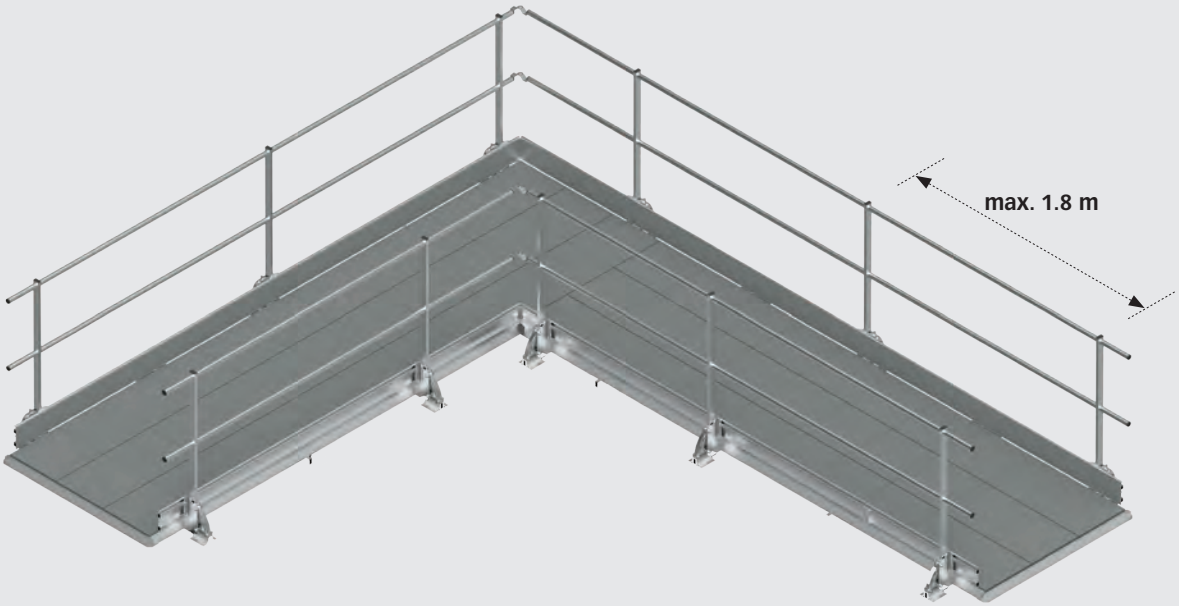
DOOR

BARRIER-T20
DOOR SET
Material: aluminium

Opening selectable up to 800 mm max.
For self-supporting design (VARIO system),
2 x BARRIER-V10 weights required for each door side.



ESCAPE ROUTE OF SYSTEM CONCRETE SLABS

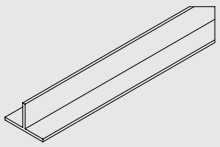


For detailed view, see to the right

The escape route system from INNOTECH, using concrete slabs, is held in place by its own weight and installed without roof penetration.
The width of the flexible system is adjustable; the system itself is extremely space-saving due to the innovative design.

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

For the creation of emergency escape routes using concrete slabs



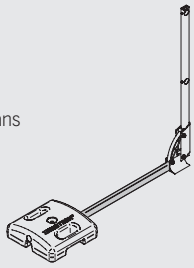
RATING PLATE

BARRIER-Z11
RATING PLATE for BARRIER (EN 13374 / EN ISO 14122-3 / DIN 14094-2 / NF E 85-015)

FOOT ELEMENT

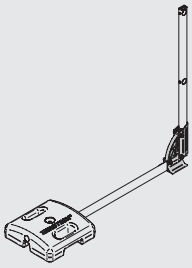
BARRIER-S12-1150
BOOM
Length: 1150 mm
Material: aluminium

Standard length for VARIO system, escape route as per plans



BARRIER-V12
VARIO FOOT UNIT
Material: aluminium, stainless steel AISI 304

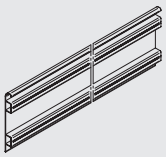
VARIO foot unit without boom/post,
for creation of a load-bearing collective side protection



TOEBOARD

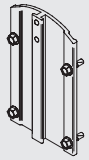
BARRIER-F20
TOEBOARD
Height x Width x Length 170 x 20 x 3000 mm
Material: aluminium

Suitable for BARRIER-S11/S13 post
and VARIO BARRIER-V12 foot unit
For use when no parapet higher than 150mm is available.



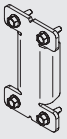
BARRIER-F22
TOEBOARD BRACKET for fastening the toeboard to the VARIO BARRIER-V12 foot unit
Material: aluminium, stainless steel AISI 304

For fastening the BARRIER-F20 toeboard
to the VARIO BARRIER-V12 foot unit

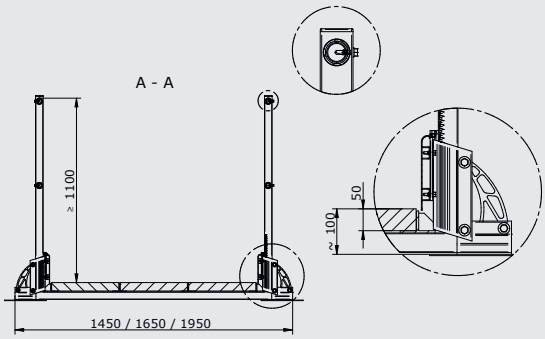


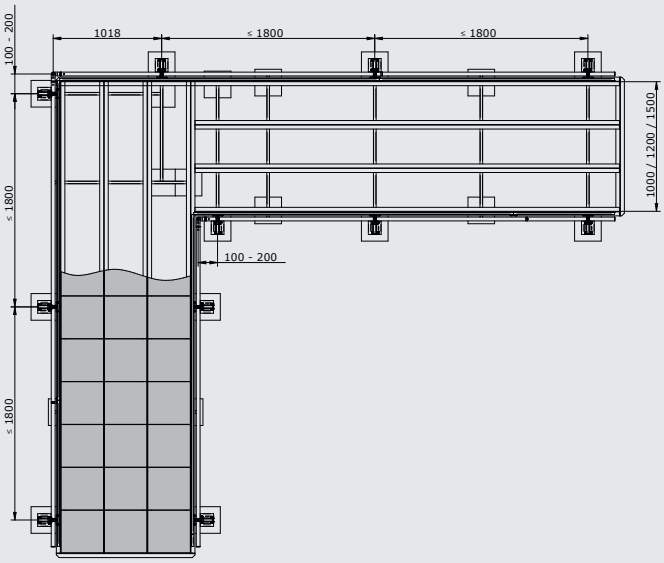
BARRIER-F23
TOEBOARD CONNECTION SET
Material: aluminium, stainless steel AISI 304

For connecting two BARRIER-F20 toeboards



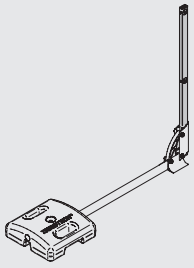
DIMENSIONS





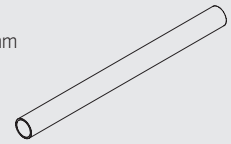
POST

BARRIER-S11-1080
POST, VARIO SYSTEM, STRAIGHT, FIXED
Length: 1080 mm
Material: aluminium



HANDRAIL

BARRIER-R11
ALUMINIUM PIPE, STRAIGHT
Diameter x Wall Thickness x Length: 36 x 2.5 x 3000 mm
Material: aluminium

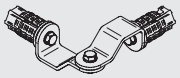


BARRIER-R21
LINEAR TIE
Material: aluminium, stainless steel AISI 304

For connection of two BARRIER-R11 pipes

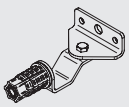
BARRIER-R30
CORNER TIE
Material: aluminium, plastic

For connection of two BARRIER-R11 pipes
Variably adjustable angle!



BARRIER-R40
WALL TIE
Substructure: concrete, steel construction
Material: aluminium, plastic

Variably adjustable angle!



BARRIER-R50
END SEAL
Material: aluminium, plastic

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

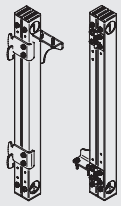
BARRIER-R91
CAP FOR BARRIER-R11 ALUMINIUM PIPE
Diameter x thickness 36 x 2 mm
Packing unit: 2 items
Material: Plastic

Cap for BARRIER-R11 pipes
Projection of rail pipe max. 350 mm

DOOR

BARRIER-T20
DOOR SET
Material: aluminium

Opening selectable up to 800 mm max.
For self-supporting design (VARIO system),
2 x BARRIER-V10 weights required for each door side.



Notes