

Guardrail systems **BARRIER**

The **BARRIER** fall protection 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 into a flexible

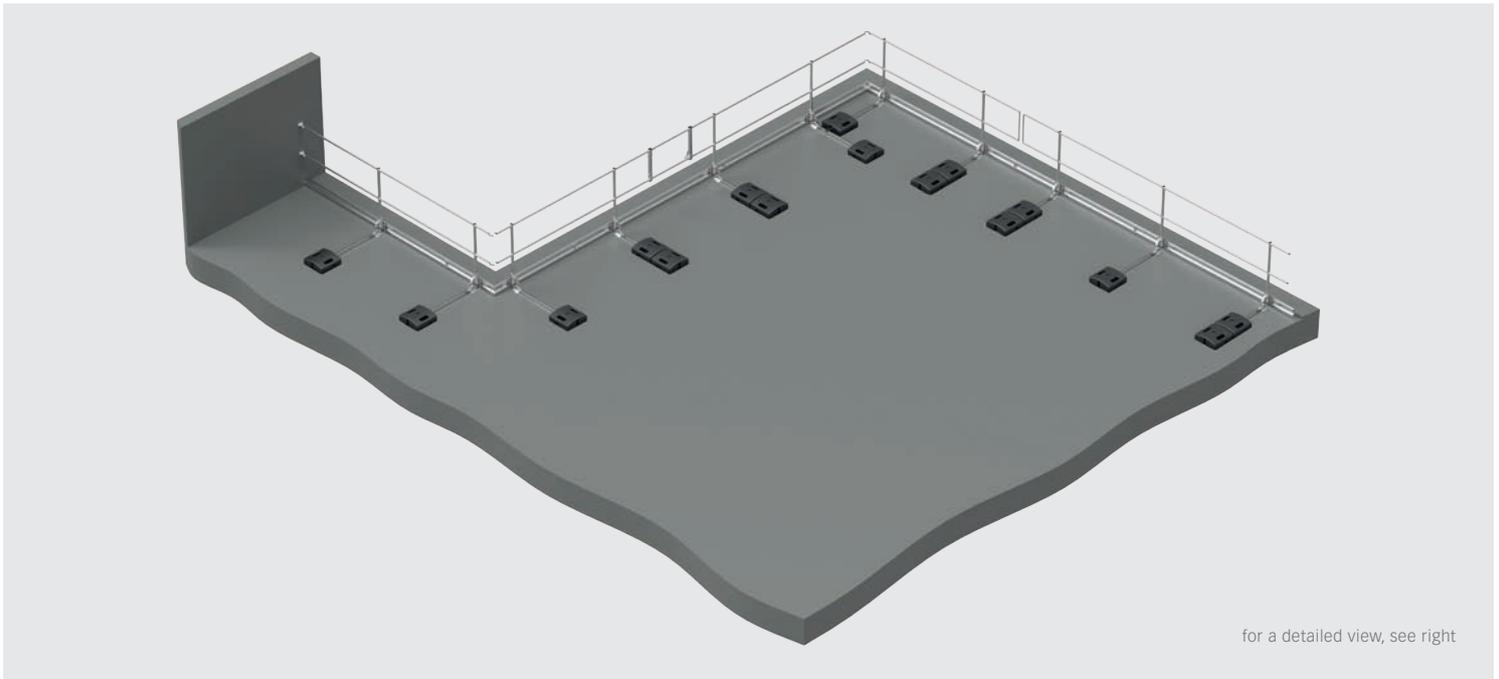
all-rounder, which fits in to the aesthetics of buildings in an extremely pleasing way.

The high quality railings are manufactured from weather-resistant aluminium and meet the most demanding architectural requirements due to an adjustable inclination.

- high quality collective side protection
- ideal for escape routes
- non roof-penetrating, fold away version
- height- and inclination adjustable
- less applied load due to the higher post distance of 2.2 m
- universally extendable with door element, toe board or corner tie (325° adjustable)

- quick installation
- pleasing, unobtrusively design
- plastic coated deadweight with integrated carrying handles
- to the latest state of the art certification:

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



for a detailed view, see right

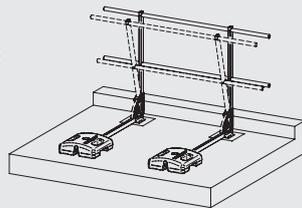
The VARIO self-supporting side protection system from INNOTECH, held in place by deadweight loads, can be installed quickly, and is characterised in particular by a height adjustability of 125 mm. The system can be inclined up to 75°, whereby the system fits outstandingly into the constructional circumstances.

SYSTEM VARIANTS

BARRIER-VARIO SIDE PROTECTION SYSTEM – held by deadweight load

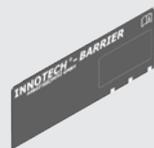
Material: aluminium, stainless steel (AISI 304)
Mountable on: flat roofs (max. 10° pitch)
System pitch (preassembled): 90°, 75°

Without roof perforation – parapet of
at least 50 mm required!
Preassembled bracket with post,
plastic-encased concrete counterweight
(c. 25 kg) with carrying handles!



COMPONENTS

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

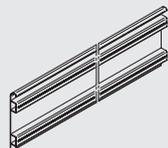


SYSTEM COMPONENTS

BARRIER-F20 TOE BOARD

Height x width x length: 170 x 20 x 3000 mm
Material: aluminium

suitable for BARRIER-S11/S12 post
and VARIO BARRIER-V12 foot unit
For use when no parapet higher than
150mm is available!



SYSTEM COMPONENTS

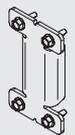
BARRIER-F22
**TOE BOARD BRACKET for fastening the toe board
to the vario BARRIER-V12 foot unit**
Material: aluminium, stainless steel (AISI 304)

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



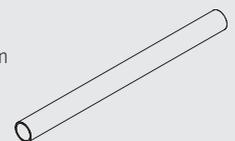
BARRIER-F23
TOE BOARD CONNECTION SET
Material: aluminium, stainless steel (AISI 304)

for connecting two BARRIER-F20 toe boards



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 connecting two rail pipes BARRIER-R11



BARRIER-R30
CORNER TIE

Material: aluminium, plastic

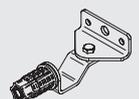
for creating a corner of 2 rail pipes BARRIER-R11
Angle free adjustable!



BARRIER-R40
WALL TIE

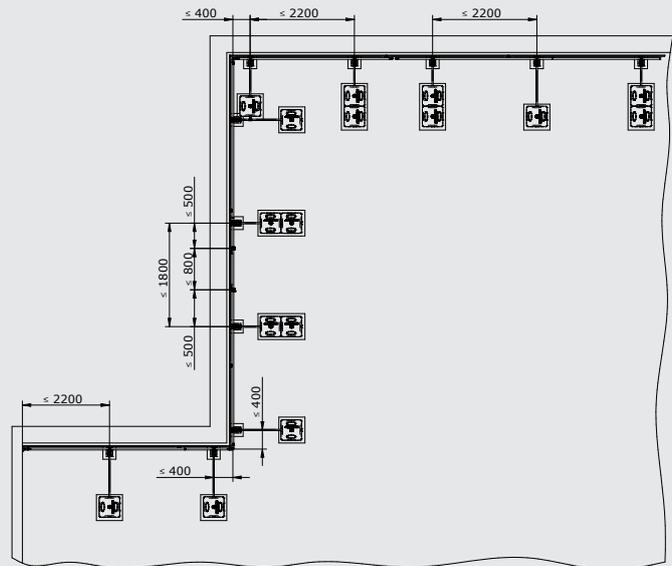
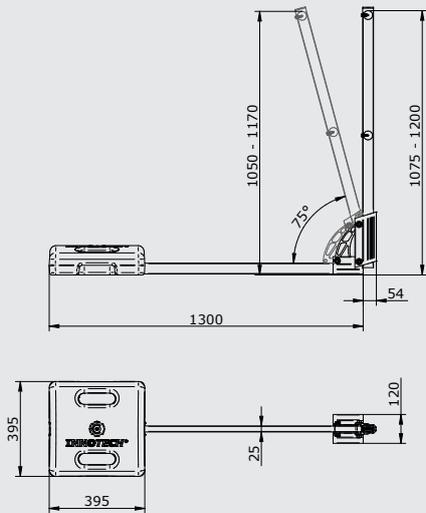
Mountable on: concrete or steel construction
Material: aluminium, plastic

Angle free adjustable!





DIMENSIONS



for product description, see

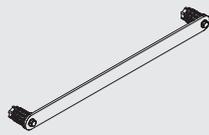


SYSTEM COMPONENTS

**BARRIER-R50
END SEAL**

Material: aluminium, plastic

end seal of two rail pipes BARRIER-R11
Projection of the rail pipe max. 500 mm!



**BARRIER-R91
END CAP for BARRIER-R11**

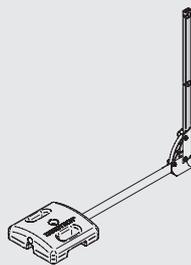
Diameter x thickness: 36 x 2 mm
Packaging unit: 2 pieces
Material: plastic

end cap for rail pipe BARRIER-R11
Projection of the rail pipe max. 350 mm!



**BARRIER-S11-1080
POST, system VARIO, straight, fastened**

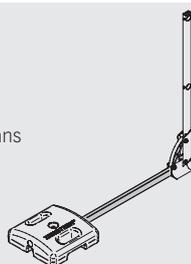
Length: 1080 mm
Material: aluminium



**BARRIER-S12-1150
BOOM**

Length: 1150 mm
Material: aluminium

standard length for VARIO system, escape route as per plans



**BARRIER-T20
DOOR SET**

Material: aluminium

opening selectable up to 800 mm max.
For load-bearing implementation, 2 x BARRIER-V10
weights required for each door side!

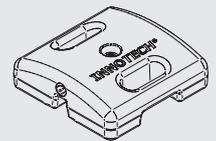


SYSTEM COMPONENTS

**BARRIER-V10
VARIO-WEIGHT**

Height x width x length: 122 x 395 x 395 mm
Weight: 25 kg
Material: plastic, concrete

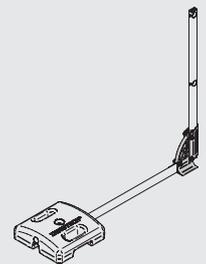
plastic-coated concrete weight
for foot unit BARRIER-V12



**BARRIER-V12
VARIO-FOOT UNIT**

Material: aluminium, stainless steel (AISI 304)

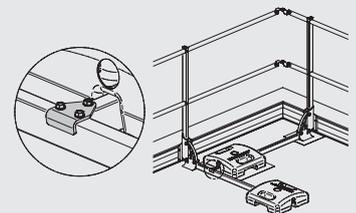
VARIO foot unit without boom/post, for creation
of a load-bearing collective side protection



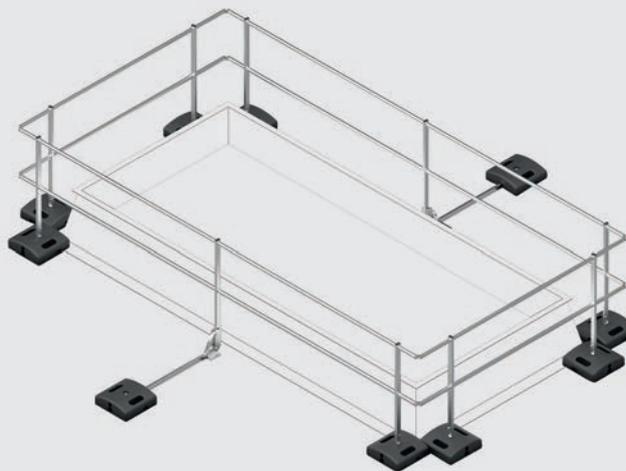
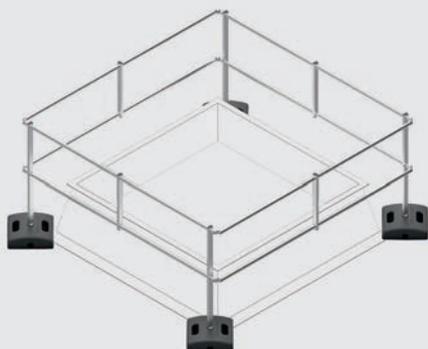
**BARRIER-V91
VARIO-CORNER TIE**

Material: stainless steel (AISI 304)

for rectangular connection
of two brackets of BARRIER-S12



SYSTEM-SKYLIGHT



for a detailed view, see right

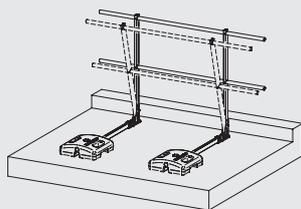
The skylight guard from INNOTECH is the ideal protection for skylights and complete strip lights. Installation takes place without roof penetration and provides optimum protection without any negative effect on the entry of sunlight.

SYSTEM VARIANTS

BARRIER-VARIO

SIDE PROTECTION SYSTEM – held by deadweight load

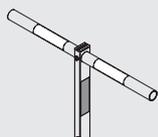
Mountable on: flat roofs (max. 10° pitch)
Material: aluminium, stainless steel (AISI 304)
System pitch (preassembled): 90°, 75°



COMPONENTS

BARRIER-Z11

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



SYSTEM COMPONENTS

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 connecting two rail pipes BARRIER-R11



BARRIER-R30

CORNER TIE

Material: aluminium, plastic

for creating a corner of 2 rail pipes BARRIER-R11

Angle free adjustable!

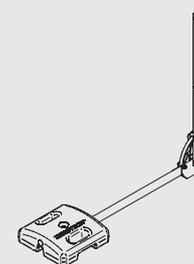


BARRIER-S11-1080

POST, system VARIO, straight, fastened

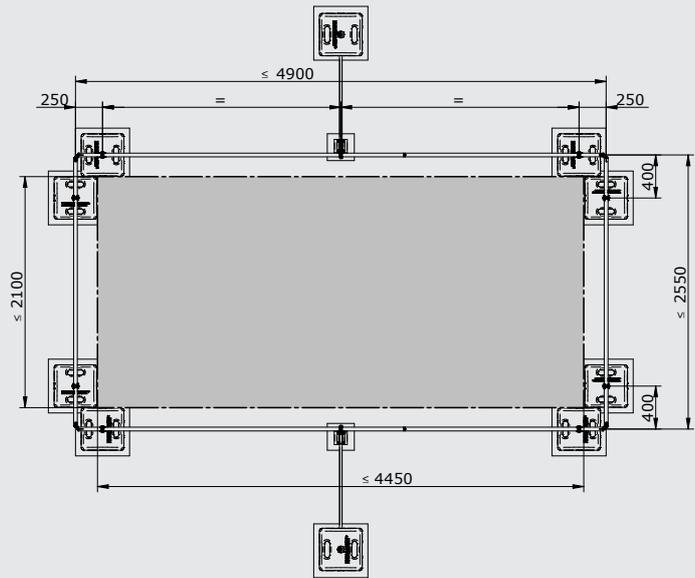
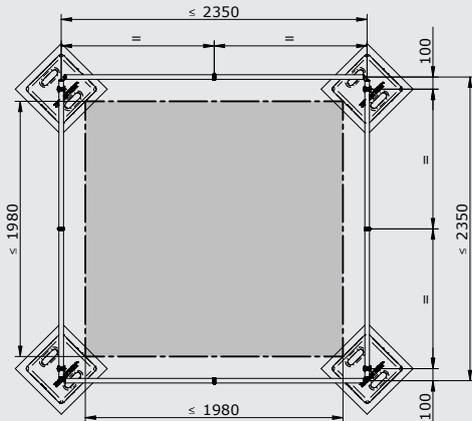
Length: 1080 mm

Material: aluminium





DIMENSIONS



for product description, see



SYSTEM COMPONENTS

BARRIER-S12-1150

BOOM

Length: 1150 mm
Material: aluminium

standard length for VARIO system, escape route as per plans

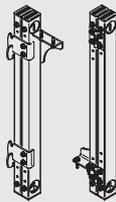


BARRIER-T20

DOOR SET

Material: aluminium

opening selectable up to 800 mm max.
For load-bearing implementation, 2 x BARRIER-V10 weights required for each door side!

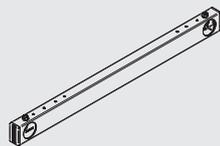


BARRIER-T23

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!



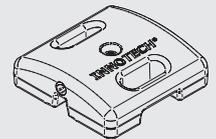
SYSTEM COMPONENTS

BARRIER-V10

VARIO-WEIGHT

Height x width x length: 122 x 395 x 395 mm
Weight: 25 kg
Material: plastic, concrete

plastic-coated concrete weight
for foot unit BARRIER-V12

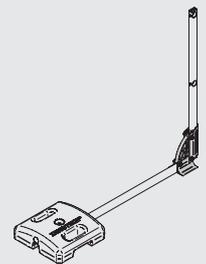


BARRIER-V12

VARIO-FOOT UNIT

Material: aluminium, stainless steel (AISI 304)

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



BARRIER-V81

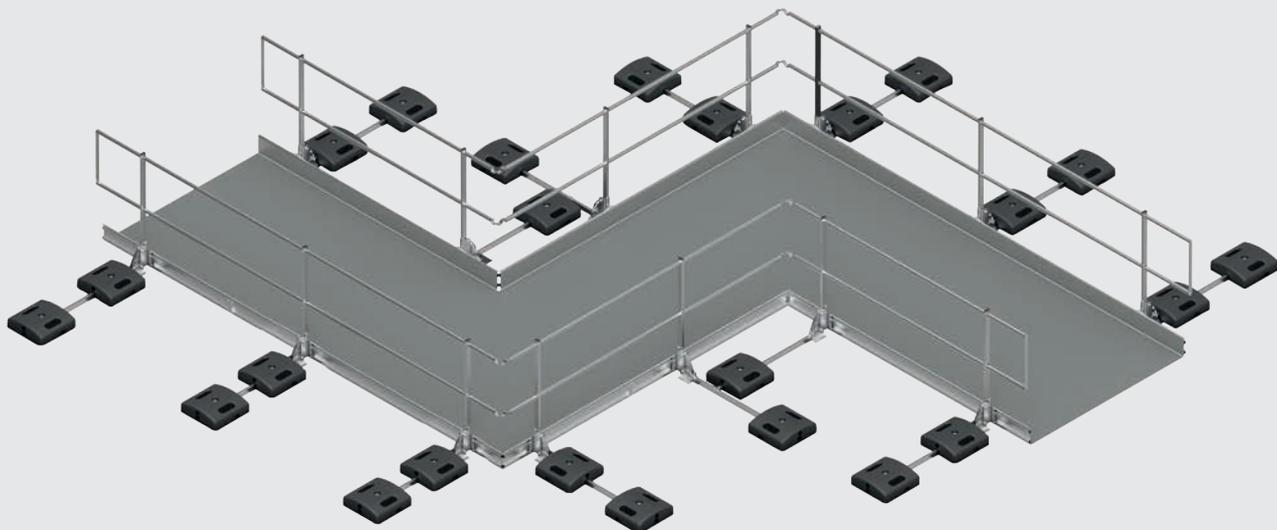
VARIO-ADAPTER FOOT

Application: creation of a skylight fencing of max. 2000 x 2000 mm

Material: aluminium, stainless steel (AISI 304)

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



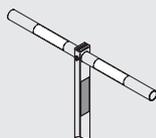


for a detailed view, see right

The SYSTEM-VARIO escape route from INNOTECH is installed without roof penetration, and can be held in place by deadweight load or by concrete slabs. The width of this flexible system can be variably adjusted – this makes it possible for people to move on the escape route completely freely and without any further protection. A larger distance between the posts fulfils the prerequisite for a much more economical use of material!

COMPONENTS

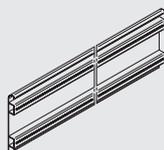
BARRIER-Z11
RATING PLATE for BARRIER
 (EN 13374 / EN ISO 14122-3 / DIN 14094-2 / NF E 85-015)



SYSTEM COMPONENTS

BARRIER-F20
TOE BOARD
 Height x width x length: 170 x 20 x 3000 mm
 Material: aluminium

suitable for BARRIER-S11/S12 post and VARIO BARRIER-V12 foot unit
 For use when no parapet higher than 150mm is available!

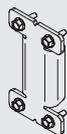


BARRIER-F22
TOE BOARD BRACKET for fastening the toe board to the vario BARRIER-V12 foot unit
 Material: aluminium, stainless steel (AISI 304)
 for fastening the BARRIER-F20 toe board to the VARIO BARRIER-V12 foot unit



SYSTEM COMPONENTS

BARRIER-F23
TOE BOARD CONNECTION SET
 Material: aluminium, stainless steel (AISI 304)
 for connecting two BARRIER-F20 toe boards



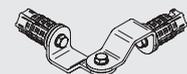
BARRIER-R11
ALUMINIUM PIPE, straight
 Diameter x wall thickness x length: 36 x 2.5 x 3000 mm
 Material: aluminium



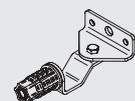
BARRIER-R21
LINEAR TIE
 Material: aluminium, stainless steel (AISI 304)
 for connecting two rail pipes BARRIER-R11



BARRIER-R30
CORNER TIE
 Material: aluminium, plastic
 for creating a corner of 2 rail pipes BARRIER-R11
 Angle free adjustable!

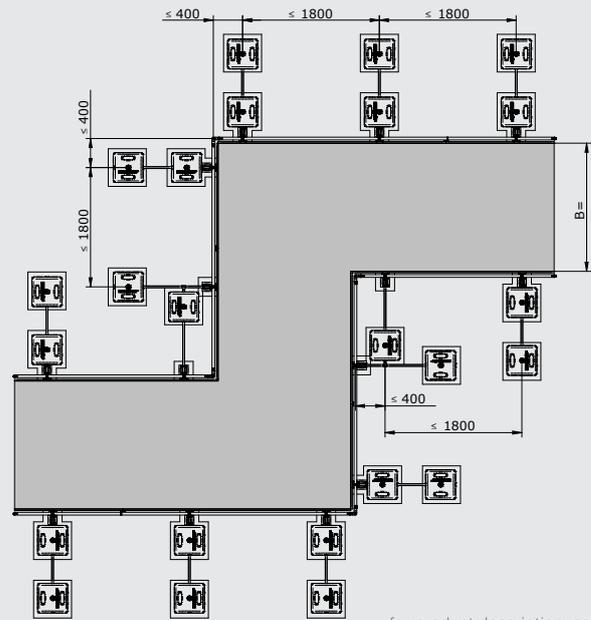
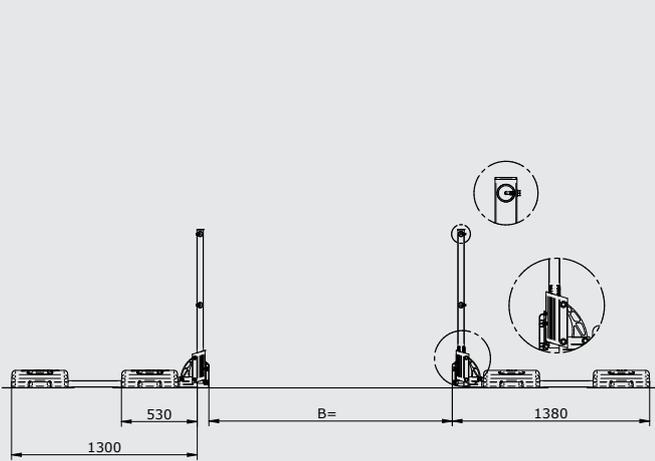


BARRIER-R40
WALL TIE
 Mountable on: concrete or steel construction
 Material: aluminium, plastic
 Angle free adjustable!





DIMENSIONS



for product description, see

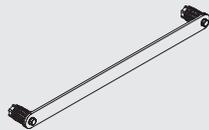


SYSTEM COMPONENTS

**BARRIER-R50
END SEAL**

Material: aluminium, plastic

end seal of two rail pipes BARRIER-R11
Projection of the rail pipe max. 500 mm!



**BARRIER-R91
END CAP for BARRIER-R11**

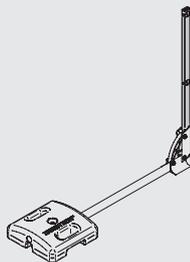
Diameter x thickness: 36 x 2 mm
Packaging unit: 2 pieces
Material: plastic

end cap for rail pipe BARRIER-R11
Projection of the rail pipe max. 350 mm!



**BARRIER-S11-1080
POST, System VARIO, straight, fastened**

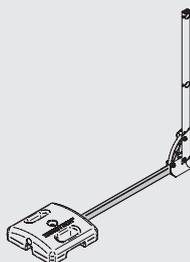
Length: 1080 mm
Material: aluminium



**BARRIER-S12-1150
BOOM**

Length: 1150 mm
Material: aluminium

standard length for VARIO system,
escape route as per plans

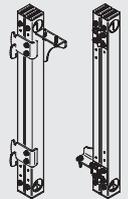


SYSTEM COMPONENTS

**BARRIER-T20
DOOR SET**

Material: aluminium

opening selectable up to 800 mm max.
For load-bearing implementation, 2 x BARRIER-V10
weights required for each door side!



**BARRIER-V10
VARIO-WEIGHT**

Height x width x length: 122 x 395 x 395 mm
Weight: 25 kg
Material: plastic, concrete

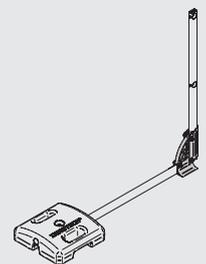
plastic-coated concrete weight
for foot unit BARRIER-V12



**BARRIER-V12
VARIO-FOOT UNIT**

Material: aluminium, stainless steel (AISI 304)

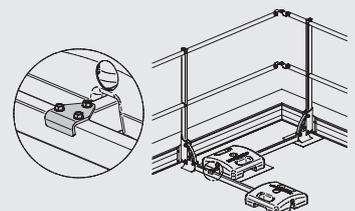
VARIO foot unit without boom/post, for creation
of a load-bearing collective side protection



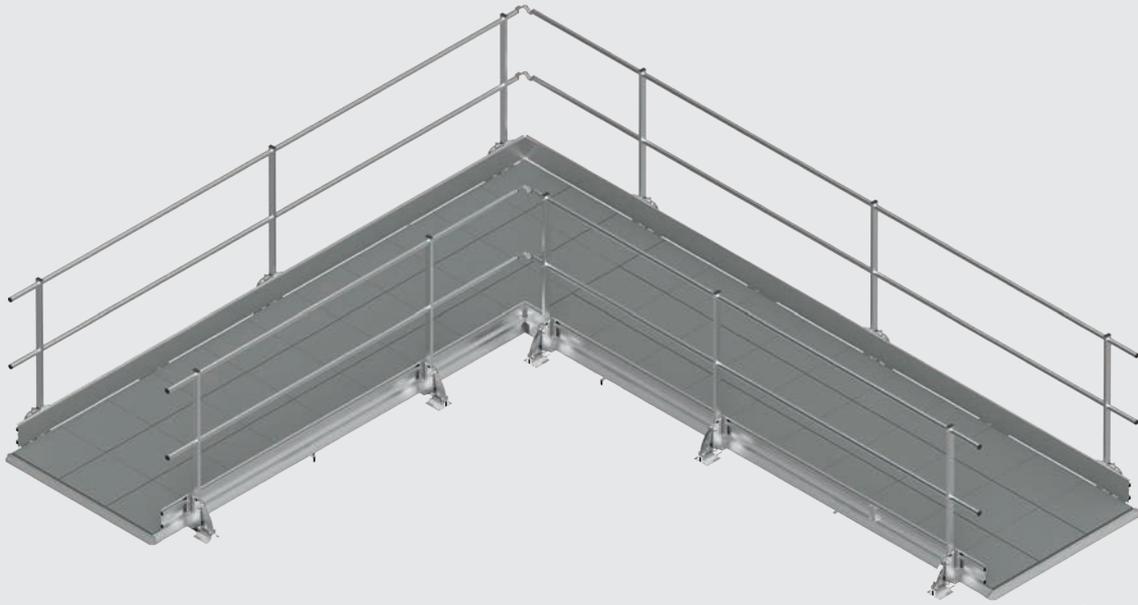
**BARRIER-V91
VARIO-CORNER TIE**

Material: stainless steel (AISI 304)

for rectangular connection
of two brackets of BARRIER-S12



ESCAPE ROUTE SYSTEM USING CONCRETE SLABS



for a detailed view, see 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 this flexible system can be variably adjusted – this makes it possible for people to move on the escape route completely freely and without any further protection. A larger distance between the posts fulfils the prerequisite for a much more economical use of material!

COMPONENTS

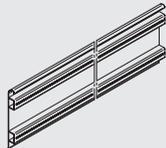
BARRIER-Z11
RATING PLATE for BARRIER
 (EN 13374 / EN ISO 14122-3 / DIN 14094-2 /
 NF E 85-015)



SYSTEM COMPONENTS

BARRIER-F20
TOE BOARD
 Height x width x length: 170 x 20 x 3000 mm
 Material: aluminium

suitable for BARRIER-S11/S12 post
 and VARIO BARRIER-V12 foot unit
 For use when no parapet higher than
 150mm is available!



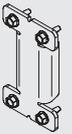
BARRIER-F22
**TOE BOARD BRACKET for fastening the toe board
 to the vario BARRIER-V12 foot unit**
 Material: aluminium, stainless steel (AISI 304)

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



SYSTEM COMPONENTS

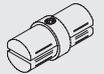
BARRIER-F23
TOE BOARD CONNECTION SET
 Material: aluminium, stainless steel (AISI 304)
 for connecting two BARRIER-F20 toe boards



BARRIER-R11
ALUMINIUM PIPE, straight
 Diameter x wall thickness x length: 36 x 2.5 x 3000 mm
 Material: aluminium



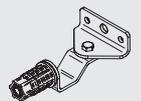
BARRIER-R21
LINEAR TIE
 Material: aluminium, stainless steel (AISI 304)
 for connecting two rail pipes BARRIER-R11



BARRIER-R30
CORNER TIE
 Material: aluminium, plastic
 for creating a corner of 2 rail pipes BARRIER-R11
 Angle free adjustable!

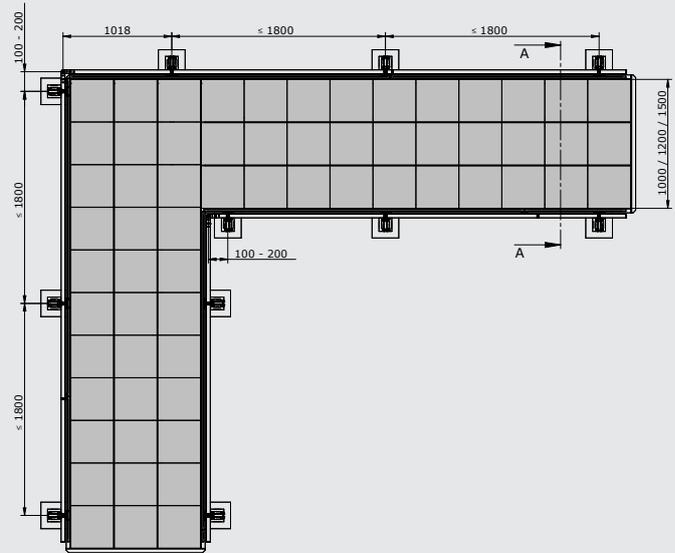
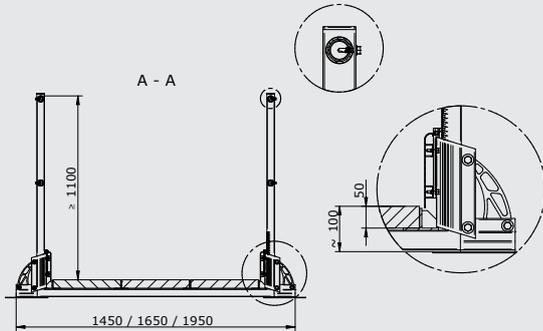


BARRIER-R40
WALL TIE
 Mountable on: concrete or steel construction
 Material: aluminium, plastic
 Angle free adjustable!





DIMENSIONS



for product description, see

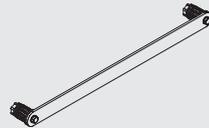
SYSTEM COMPONENTS

BARRIER-R50

END SEAL

Material: aluminium, plastic

end seal of two rail pipes BARRIER-R11
Projection of the rail pipe max. 500 mm!



BARRIER-R91

END CAP for BARRIER-R11

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!

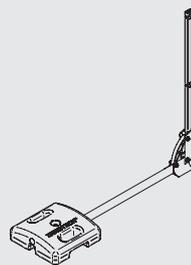


BARRIER-S11-1080

POST, System VARIO, straight, fastened

Length: 1080 mm

Material: aluminium



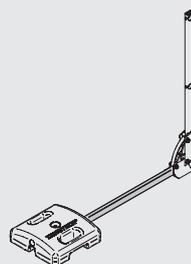
BARRIER-S12-1150

BOOM

Length: 1150 mm

Material: aluminium

standard length for VARIO system,
escape route as per plans



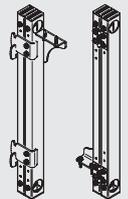
SYSTEM COMPONENTS

BARRIER-T20

DOOR SET

Material: aluminium

opening selectable up to 800 mm max.
For load-bearing implementation, 2 x BARRIER-V10
weights required for each door side!

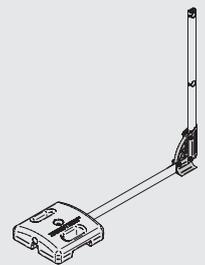


BARRIER-V12

VARIO-FOOT UNIT

Material: aluminium, stainless steel (AISI 304)

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



BARRIER-Z50-3000

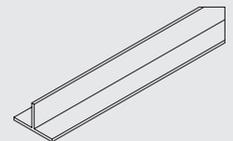
FOOTWAY RAIL for emergency escape routes

Height x width x length: 50 x 80 x 3000 mm

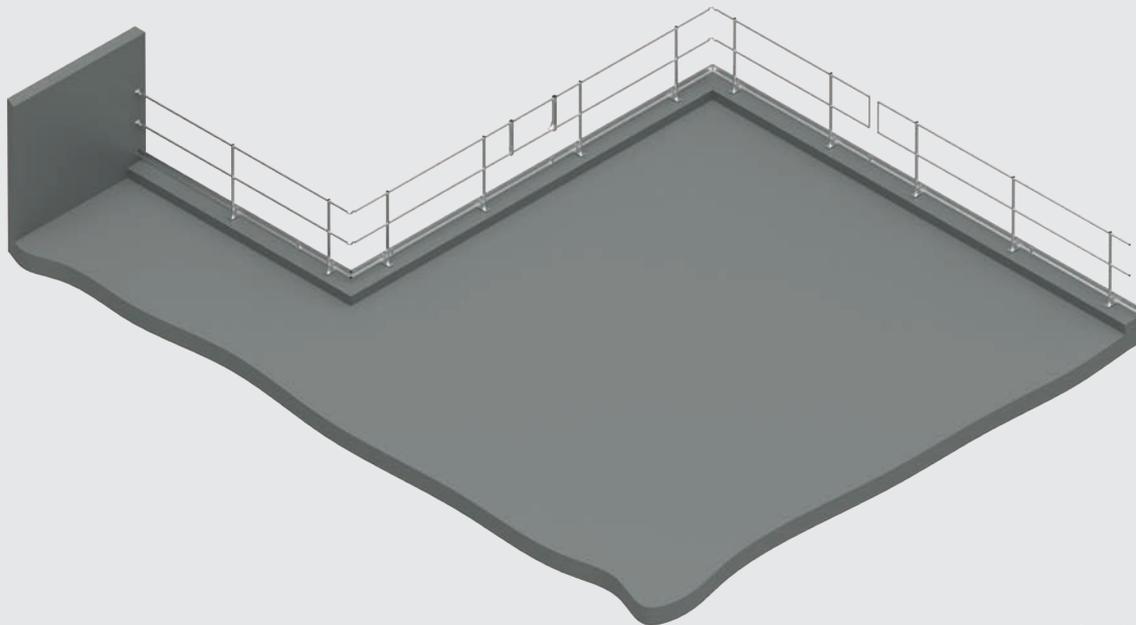
Application: emergency escape routes

Material: aluminium

for the creation of emergency escape routes
using concrete slabs



SYSTEM-TOP OF PARAPET



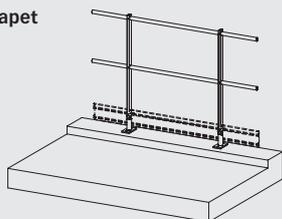
for a detailed view, see right

A further solution using the BARRIER side protection system from INNOTECH consists of installation on the parapet. No weights are required for the implementation of this system. It allows people to move on the roof even better and more freely.

SYSTEM VARIANTS

BARRIER-ATTIKA-OBEN SIDE PROTECTION SYSTEM – top of parapet

Mountable on: parapet (top)
Material: aluminium, stainless steel (AISI 304)
System pitch: 90°



COMPONENTS

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

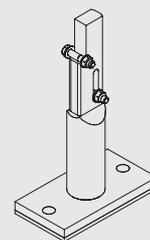


SYSTEM COMPONENTS

BARRIER-A21

ADAPTER on the top of the parapet
Mountable on: concrete or steel construction
Effective height: 135 mm
Material: aluminium, stainless steel (AISI 304)

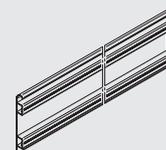
for fastening the post BARRIER-S13 to the top of the parapet



BARRIER-F20 TOE BOARD

Height x width x length: 170 x 20 x 3000 mm
Material: aluminium

suitable for BARRIER-S11/S12 post and VARIO BARRIER-V12 foot unit
For use when no parapet higher than 150mm is available!



BARRIER-F21

TOE BOARD BRACKET for fastening the toe board to the BARRIER-S13 post

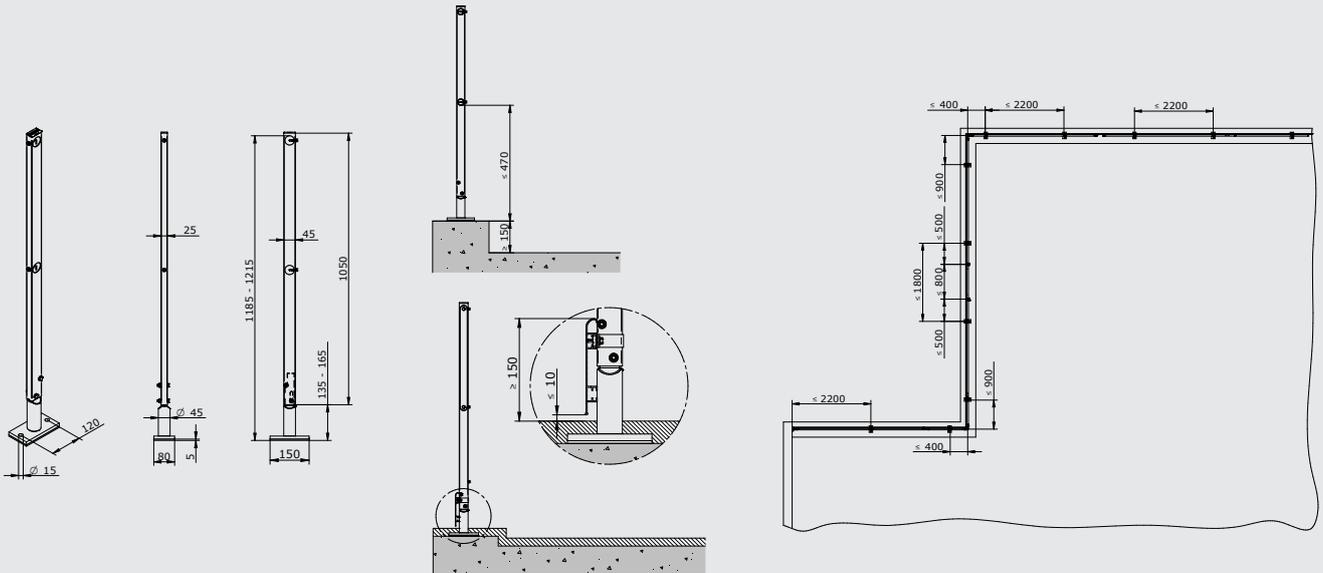
Height x width: 25 x 48 mm
Packing unit: 2 items
Material: aluminium, stainless steel (AISI 304)

for attachment of the BARRIER-F20 toe board to the BARRIER-S13 post





DIMENSIONS



for product description, see

SYSTEM COMPONENTS

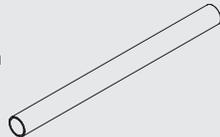
BARRIER-F23

TOE BOARD CONNECTION SET
Material: aluminium, stainless steel (AISI 304)
for connecting two BARRIER-F20 toe boards



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 connecting two rail pipes BARRIER-R11



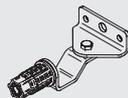
BARRIER-R30

CORNER TIE
Material: aluminium, plastic
for creating a corner of 2 rail pipes BARRIER-R11
Angle free adjustable!



BARRIER-R40

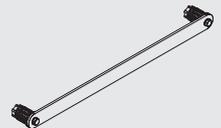
WALL TIE
Mountable on: concrete or steel construction
Material: aluminium, plastic
Angle free adjustable!



SYSTEM COMPONENTS

BARRIER-R50
END SEAL

Material: aluminium, plastic
end seal of two rail pipes BARRIER-R11
Projection of the rail pipe max. 500 mm!



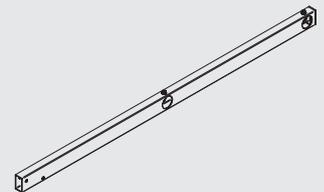
BARRIER-R91

END CAP for BARRIER-R11
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!



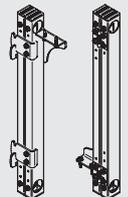
BARRIER-S13-1050

POST, straight, fastened
Length: 1050 mm
Material: aluminium

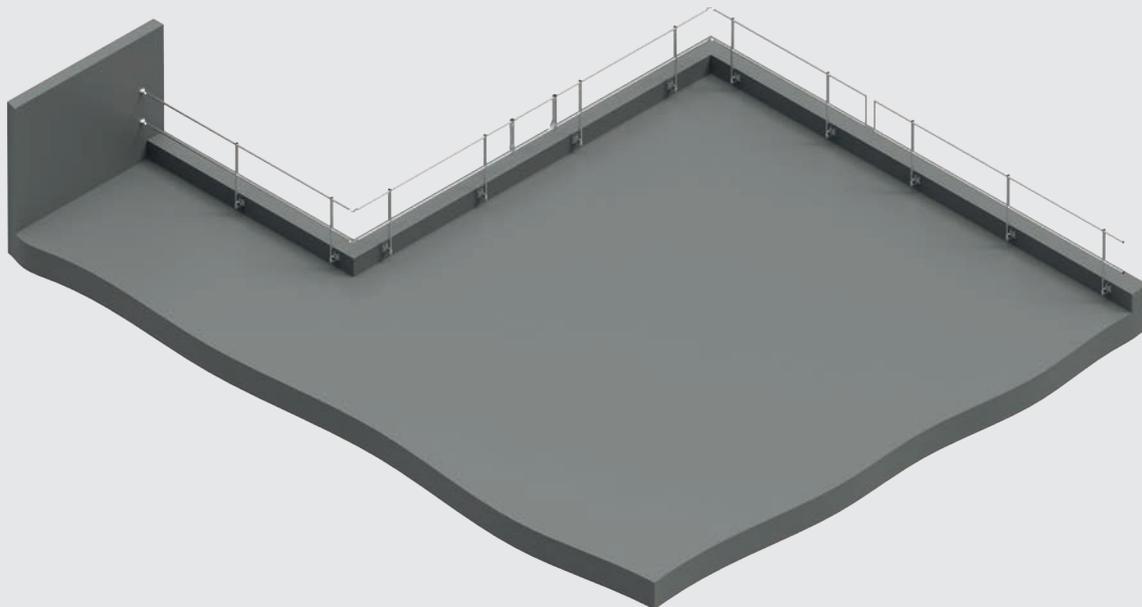


BARRIER-T20
DOOR SET

Material: aluminium
opening selectable up to 800 mm max.
For load-bearing implementation, 2 x BARRIER-V10
weights required for each door side!



SYSTEM-AT THE SIDE OF PARAPET



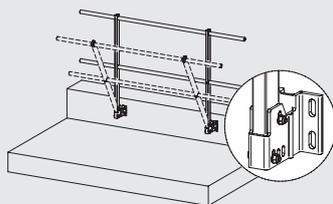
for a detailed view, see right

The BARRIER side protection system from INNOTECH can also be mounted on the outside of the parapet. The system can be conveniently adjusted in its inclination angle, allowing for exceptional adaptability to individual aesthetic demands of particular constructions. A variably adjustable spacing bracket [JC1] also enables completely correct installation of the side protection system, even in the presence of additional insulation.

SYSTEM VARIANTS

BARRIER-ATTIKA-SEITLICH SIDE PROTECTION SYSTEM – inside or outside of parapet

Material: aluminium, stainless steel (AISI 304)
Mountable on: parapet (inside or outside)
System pitch: 90°, 75°, 60°



COMPONENTS

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



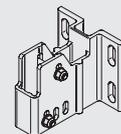
SYSTEM COMPONENTS

BARRIER-A10

ADAPTER on the side of the parapet

Mountable on: concrete or steel construction
System pitch: 90°, 75°, 60°
Material: aluminium, stainless steel (AISI 304)

for fastening the post BARRIER-S13 to the inside of the parapet

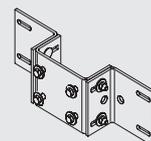


BARRIER-A31

SPACER BRACKET for parapet

Mountable on: concrete or steel construction
Material: aluminium, stainless steel (AISI 304)

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



BARRIER-R11

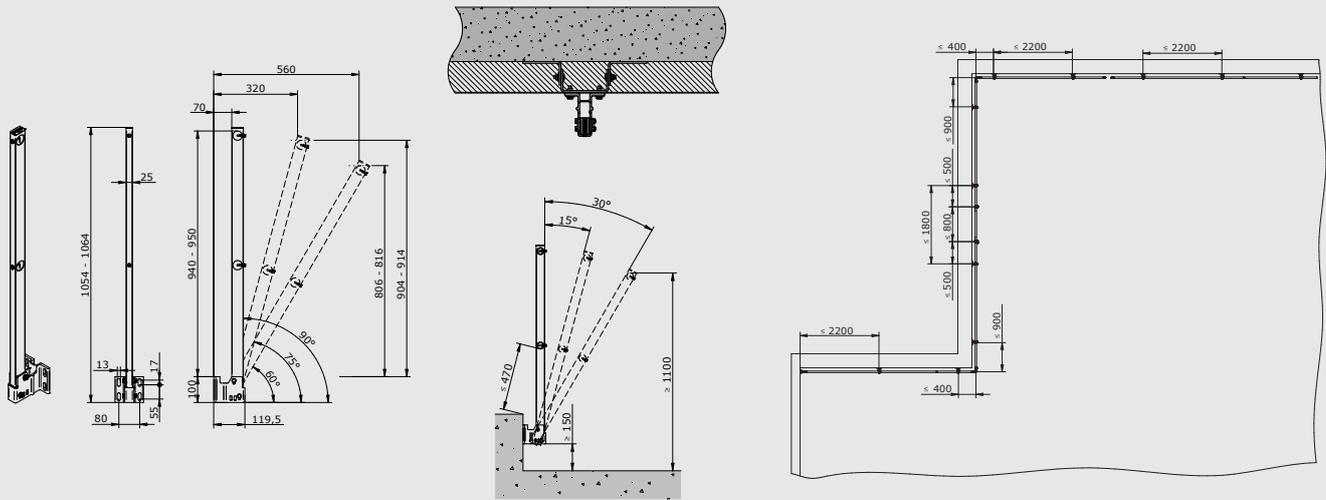
ALUMINIUM PIPE, straight

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





DIMENSIONS



for product description, see

SYSTEM COMPONENTS

**BARRIER-R21
LINEAR TIE**

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



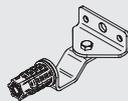
**BARRIER-R30
CORNER TIE**

Material: aluminium, plastic
for creating a corner of 2 rail pipes BARRIER-R11
Angle free adjustable!



**BARRIER-R40
WALL TIE**

Mountable on: concrete or steel construction
Material: aluminium, plastic
Angle free adjustable!



**BARRIER-R50
END SEAL**

Material: aluminium, plastic
end seal of two rail pipes BARRIER-R11
Projection of the rail pipe max. 500 mm!



SYSTEM COMPONENTS

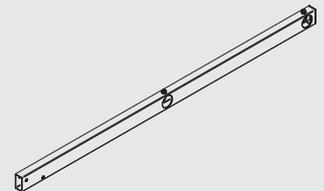
**BARRIER-R91
END CAP for BARRIER-R11**

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!



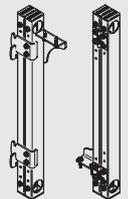
**BARRIER-S13-1050
POST, straight, fastened**

Length: 1050 mm
Material: aluminium

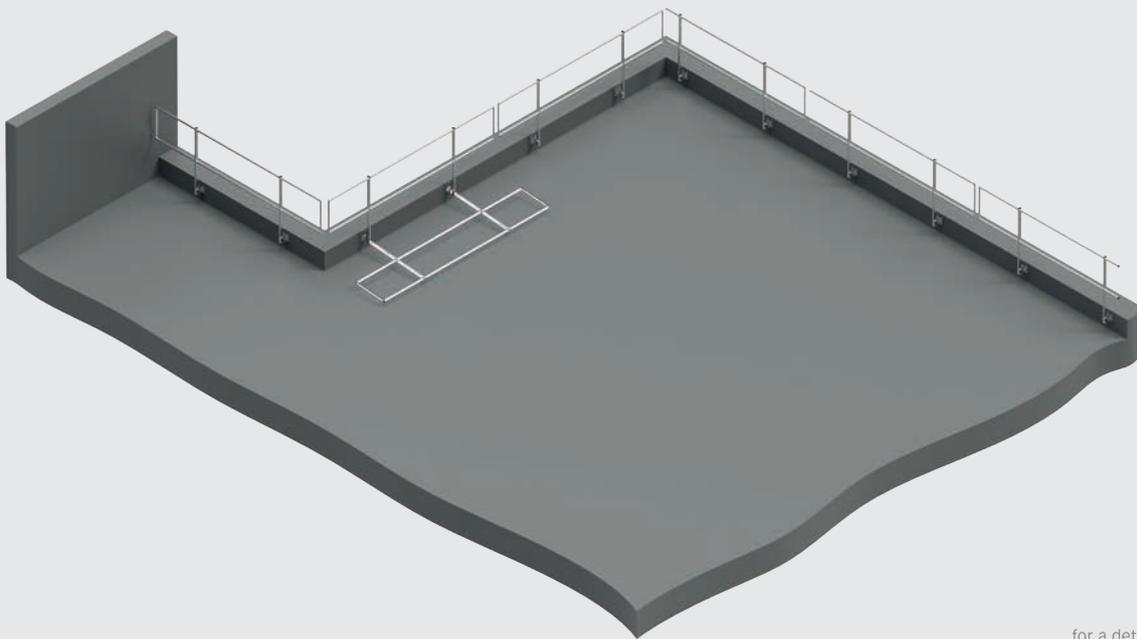


**BARRIER-T20
DOOR SET**

Material: aluminium
opening selectable up to 800 mm max.
For load-bearing implementation, 2 x BARRIER-V10
weights required for each door side!



SYSTEM-AT THE SIDE-FOLD AWAY OF PARAPET



for a detailed view, see right

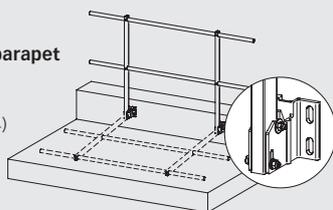
The BARRIER side protection system from INNOTECH has a special characteristic: the system installed on the parapet is almost invisible, because it can be folded down. Therefore this system, which can be folded up, is perfectly suited to fit in with the building aesthetics.

SYSTEM VARIANTS

BARRIER-ATTIKA-SEITLICH (KLAPPBAR)

SIDE PROTECTION SYSTEM – inside of parapet (fold-away)

Mountable on: parapet (inside)
Material: aluminium, stainless steel (AISI 304)
System pitch: 0°, 90°



COMPONENTS

BARRIER-Z11

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



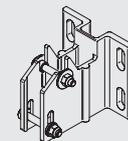
SYSTEM COMPONENTS

BARRIER-A11

ADAPTER on the side of the parapet, foldable

Mountable on: concrete or steel construction
System pitch: 90°, foldable
Material: aluminium, stainless steel (AISI 304)

for fastening the post BARRIER-S13 to the inside of the parapet

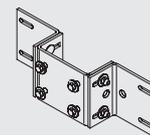


BARRIER-A31

SPACER BRACKET for parapet

Mountable on: concrete or steel construction
Material: aluminium, stainless steel (AISI 304)

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

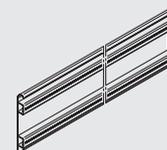


BARRIER-F20

TOE BOARD

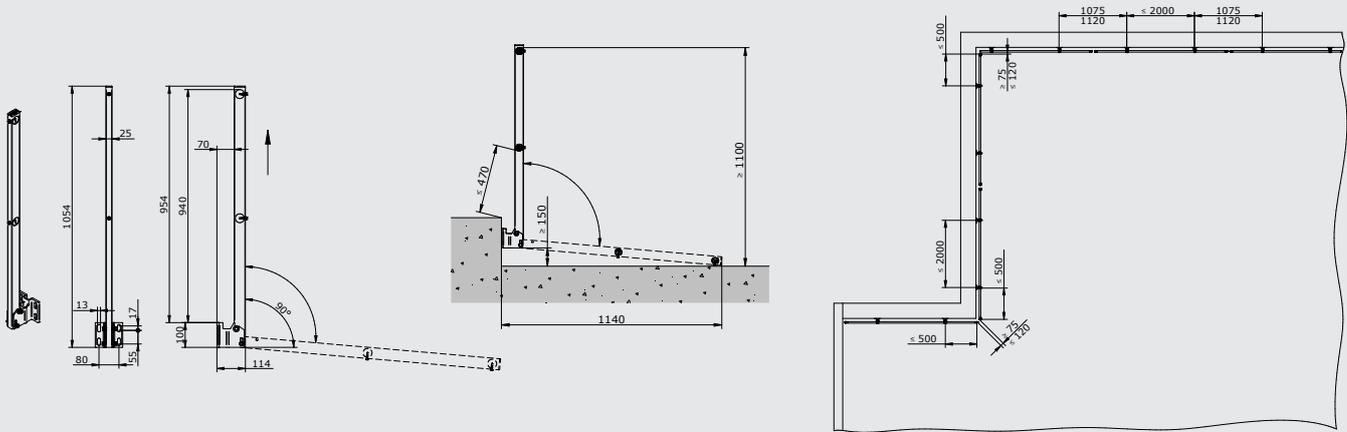
Height x width x length: 170 x 20 x 3000 mm
Material: aluminium

suitable for BARRIER-S11/S12 post and VARIO BARRIER-V12 foot unit
For use when no parapet higher than 150mm is available!





DIMENSIONS

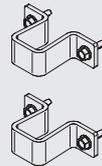


for product description, see

SYSTEM COMPONENTS

**BARRIER-F21
TOE BOARD BRACKET for fastening the toe board
to the BARRIER-S13 post**

Height x width: 25 x 48 mm
Packing unit: 2 items
Material: aluminium, stainless steel (AISI 304)
for attachment of the BARRIER-F20 toe board
to the BARRIER-S13 post



**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 connecting two rail pipes BARRIER-R11



**BARRIER-R50
END SEAL**

Material: aluminium, plastic
end seal of two rail pipes BARRIER-R11
Projection of the rail pipe max. 500 mm!



SYSTEM COMPONENTS

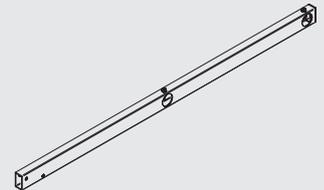
**BARRIER-R91
END CAP for BARRIER-R11**

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



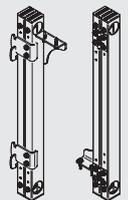
**BARRIER-S13-1050
POST, straight, fastened**

Length: 1050 mm
Material: aluminium



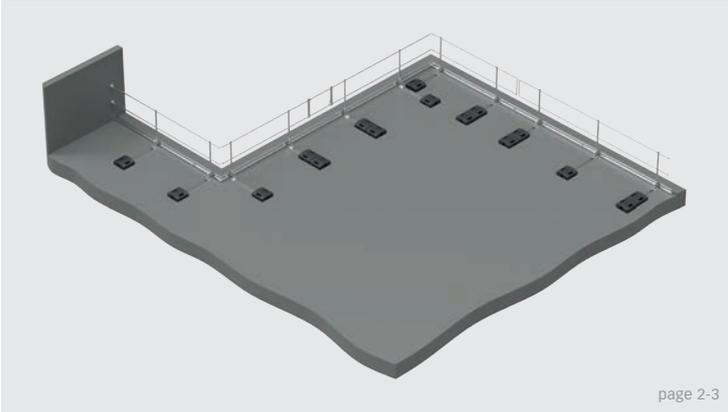
**BARRIER-T20
DOOR SET**

Material: aluminium
opening selectable up to 800 mm max.
For load-bearing implementation, 2 x BARRIER-V10
weights required for each door side!



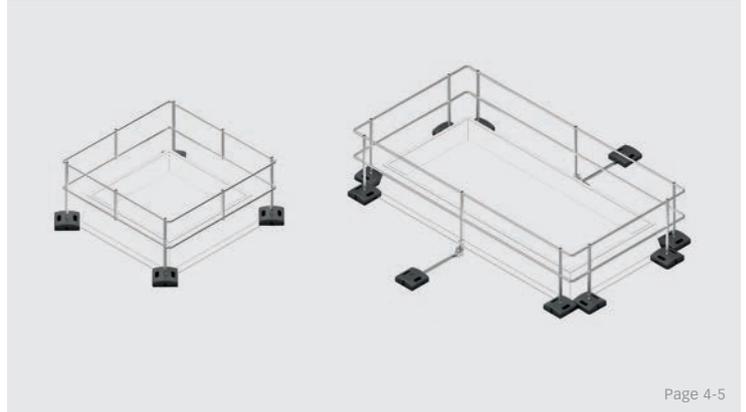


SYSTEM VARIO



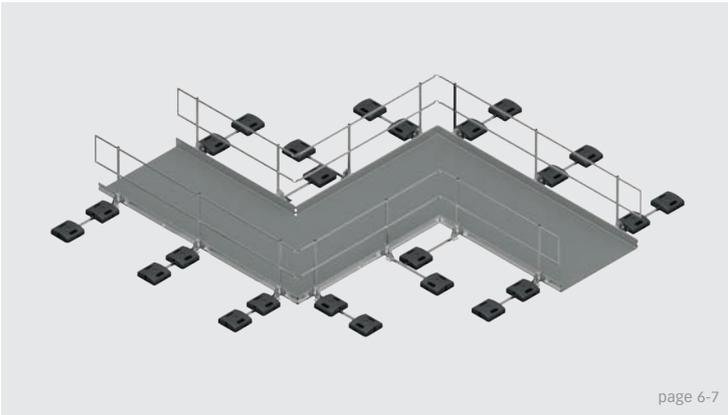
page 2-3

SYSTEM SKYLIGHT



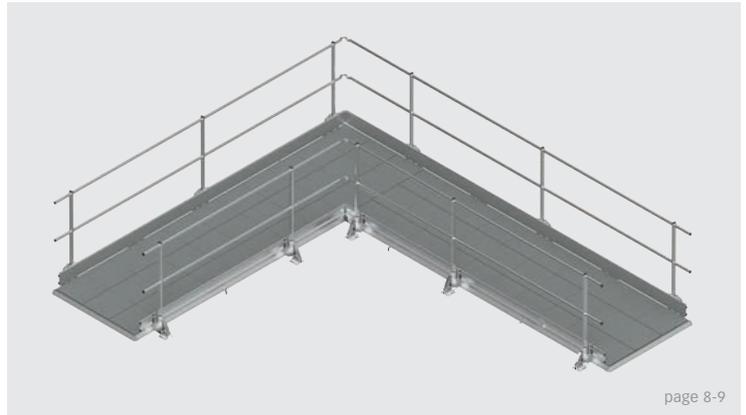
Page 4-5

ESCAPE ROUTE SYSTEM-VARIO



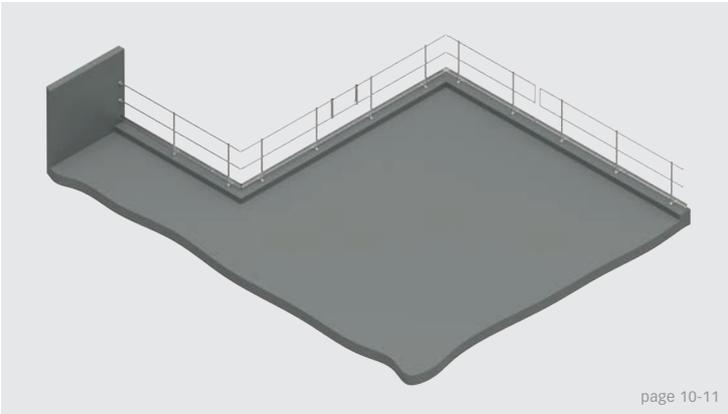
page 6-7

ESCAPE ROUTE SYSTEM USING CONCRETE SLABS



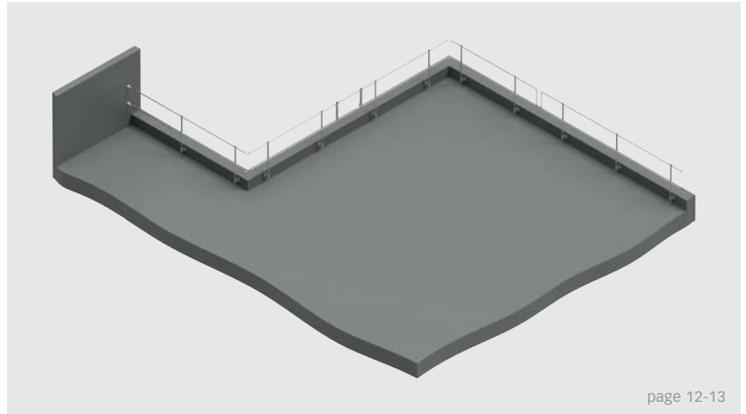
page 8-9

SYSTEM-TOP OF PARAPET



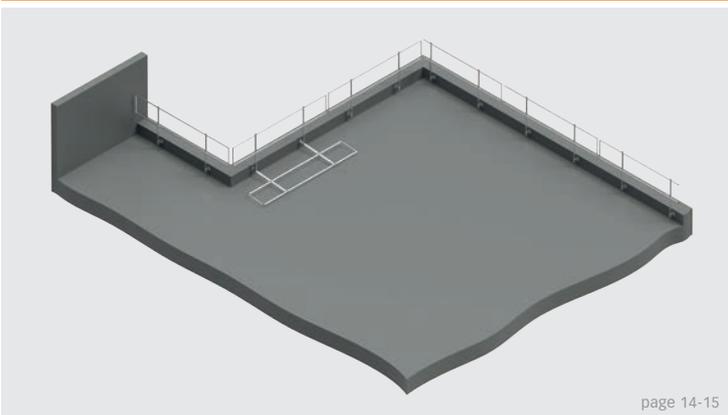
page 10-11

SYSTEM-AT THE SIDE OF PARAPET



page 12-13

SYSTEM-AT THE SIDE-FOLD AWAY OF PARAPET



page 14-15