



Guardrail system
BARRIER

Optimum protection with the
changeable guardrail system



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BARRIER guardrail system

The variable guardrail system

The robust BARRIER guardrail system is classed as collective protection and forms a barrier between the people located in the fall risk area and the fall edges which exist. Everyone in the protected area can therefore move about in safety, without needing personal protective equipment or additional anchorage devices.

Depending on the application, different assembly variants, from permanent installation to superimposed load are available to cover the most varied types of installation. Because of its wide range of variants, the BARRIER guardrail system can be applied, either from the very start or even as a retrofit later. If desired, the system's colour can be adapted by means of an individual coating.

Guardrail system

Side protection system

Side protection

Guardrail side protection system



BENEFITS

- Reduced installation effort thanks to the large post separations
- Optimum adaptability to the structure of the building thanks to the surface coating options for the guardrail
- Visual integration thanks to various inclination options for the guardrail, between 75° and 90° depending on variant
- Robust guardrail made of weather-resistant aluminium - 100 % plasticiser-free

"The system consisting of aluminium rails for securing..."



Side protection system for personal safety



The BARRIER guardrail system is a collective protection system with great flexibility, designed to secure edges and consisting of various elements and system variants which are customisable to your specific requirements and use case.

Safety systems are available which can either be installed permanently on the roof or used in combination with concrete weights and without roof penetration. Aside from securing fall edges, the BARRIER escape route option can also be used to designate a specific route that offers individuals a safe way to exit the danger area.



BENEFITS

- Side protection guardrail made of weather-proof aluminium
- Large selection of colours, allowing for visual harmonisation with the building
- Inclination adjustable to 90 and 75 degrees
- Compensation of roof height differences up to 12.5 cm



Installation does not require roof penetration

The installation of the BARRIER guardrail system requires neither roof penetration nor subsequent flaming or adhesive tasks. What is more, installation will not create cold bridges that could have a negative impact on the building's energy efficiency.

Integrated release layer

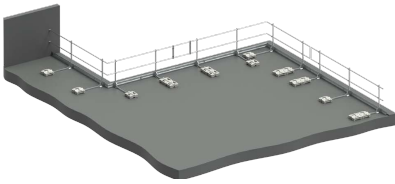
Our foot units come with an integrated release layer that contains no plasticisers. Thanks to this layer, the installation of the foot units creates no negative effect on PVC, FPO, or EPDM sheet roofs, or bitumen roofs.

Surface anodisation

Surface anodisation makes it possible to harmonise the BARRIER side protection system visually with the look of the building.

State of the art certification:

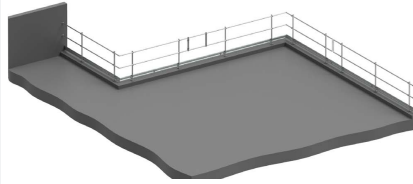
EN 13374:2019
DIN EN 14122-3:2016
DIN 14094-2:2017



BARRIER-VARIO

Guardrail system with weights as superimposed load

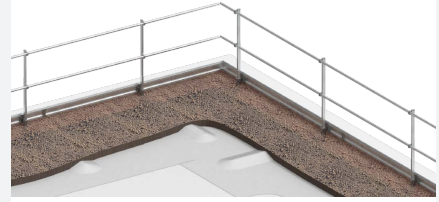
For details see subsequent pages



BARRIER-ATTIKA

Guardrail system installed on parapet

For details see subsequent pages



BARRIER-FLEECE

Guardrail system with green roof as superimposed load

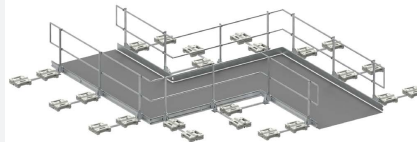
For details see subsequent pages



BARRIER-SKYLIGHT

Guardrail system around skylights/strip lights

For details see subsequent pages



BARRIER-ESCAPE-ROUTE

Guardrail system for escape routes

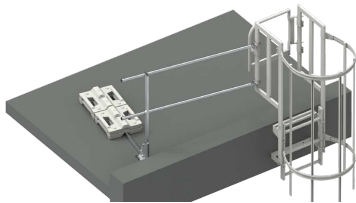
For details see subsequent pages



BARRIER-MACHINE-SAFEGUARDING-SYSTEM

Guardrail system for machinery

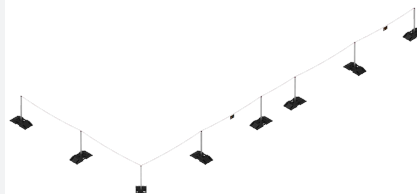
For details see subsequent pages



BARRIER-ASCENT-LADDER

Guardrail system for ladder exits

For details see subsequent pages



BARRIER-LIMIT

Enclosure of danger areas

For details see subsequent pages

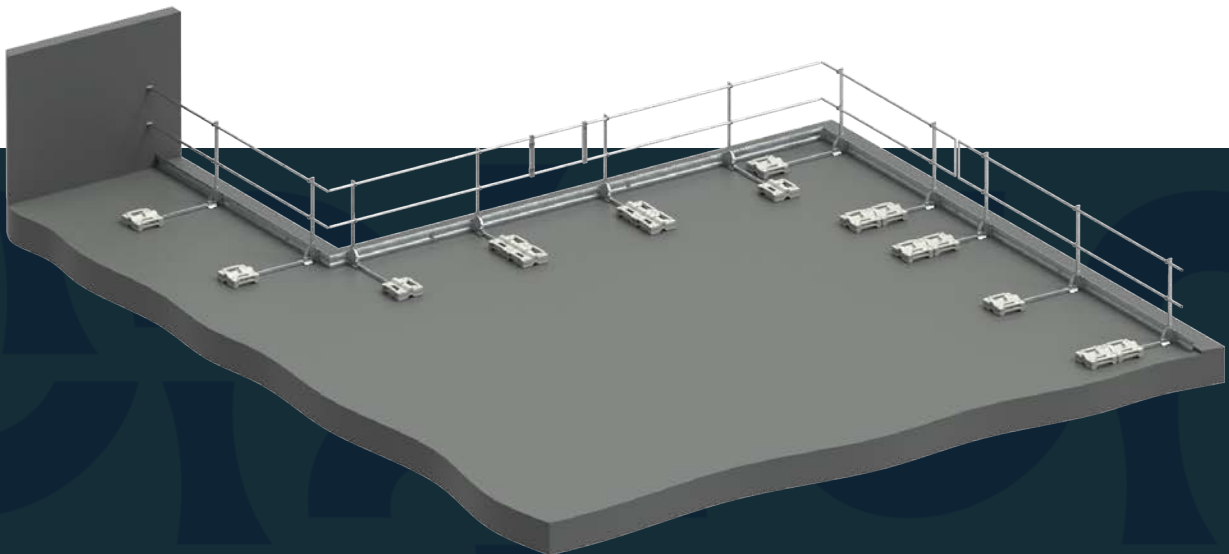
BARRIER-VARIO

Guardrail system with weights as superimposed load

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

BENEFITS

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



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

Components

BARRIER-Z11

Rating plate BARRIER-Z11 for guardrail system

Material: Aluminium composite, plastic for marking a BARRIER system



BARRIER-V20

Vario weight BARRIER-V20

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

Weight: 12,5 kg

Material: Beton



BARRIER-S22-450

Standard boom, corner formation, BARRIER-S22-450

Length: 450 mm

Material: aluminium

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



BARRIER-S22-750

Standard boom BARRIER-S22-750

Length: 750 mm

Material: aluminium

Standard boom for System BARRIER-VARIO



BARRIER-S22-1300

Standard boom BARRIER-S22-1300

Length: 1300 mm

Material: aluminium

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



BARRIER-S12-1500

Standard boom, superimposed load, BARRIER-S22-15

Length: 1500 mm

Material: aluminium

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



BARRIER-V12

Vario foot unit BARRIER-V12

Material: aluminium, stainless steel (AISI 304)
VARIO foot unit without boom/post, for creation of a load-bearing collective side protection



BARRIER-V14

New

Vario foot unit BARRIER-V14

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



BARRIER-V92

Vario corner tie BARRIER-V92

Material: aluminium, stainless steel V2A (AISI 304)
To connect two booms



BARRIER-F20

Toe board BARRIER-F20

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

Material: aluminium

For use when no parapet higher than 150mm is available!



BARRIER-F22

Toe board bracket BARRIER-F22

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



BARRIER-F23

Toe board connection set BARRIER-F23

Packing unit: 1 items

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



Components

BARRIER-F25

Toe board bracket BARRIER-F25

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



BARRIER-S20-1140

Standard post BARRIER-S20-1140

Length: 1140 mm

Material: aluminium, aluminium-zinc, stainless steel
Standard post for System VARIO including pipe retainer.



BARRIER-S24-1140

Foldable post BARRIER-S24-1140

New

Length: 1140 mm

Material: aluminium, aluminium-zinc, stainless steel
Foldable post including pipe retainer.



BARRIER-S25-1150

Curved post BARRIER-S25-1150

New

Length: 1150 mm

Angle: 75°

Material: aluminium, aluminium-zin
urved post including tube holder for BARRIER-V14.



BARRIER-T30

Door set BARRIER-T30

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



BARRIER-R11

Aluminium pipe BARRIER-R11

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

Material: aluminium



BARRIER-R21

Linear tie BARRIER-R21

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



BARRIER-R31

Corner tie BARRIER-R31

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



BARRIER-R41

Wall tie BARRIER-R41

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



BARRIER-R51

End seal BARRIER-R51

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



BARRIER-R91

End cap BARRIER-R91

Diameter x thickness: 36 x 2 mm

Packaging unit: 2 pieces

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



Components

BARRIER-Z22

End cap BARRIER-Z22

Material: zinc-aluminium
End cap to cover a standard post



BARRIER-R70

Pipe bracket BARRIER-R70

Material: zinc-aluminium, stainless steel
pipe retainer fo fix the pipes BARRIER-R11



Accessory items

BARRIER-Z31

Flame scarf angle BARRIER-Z31

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



BARRIER-Z35-500

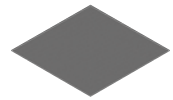
Underlay mat Z35-500

Height x width x length: 4 x 500 x 500 mm

Material: Fiber blend of polyester and polypropylene
regenerated fibers

Packing unit: 1 item

underlay mat for one VARIO-BARRIER-V20



BARRIER-Z33-500

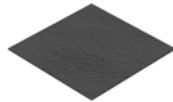
Underlay mat Z33-500

Height x width x length: 3 x 500 x 500 mm

Material: polyurethane

Packing unit: 1 item

underlay mat for one VARIO-BARRIER-V20



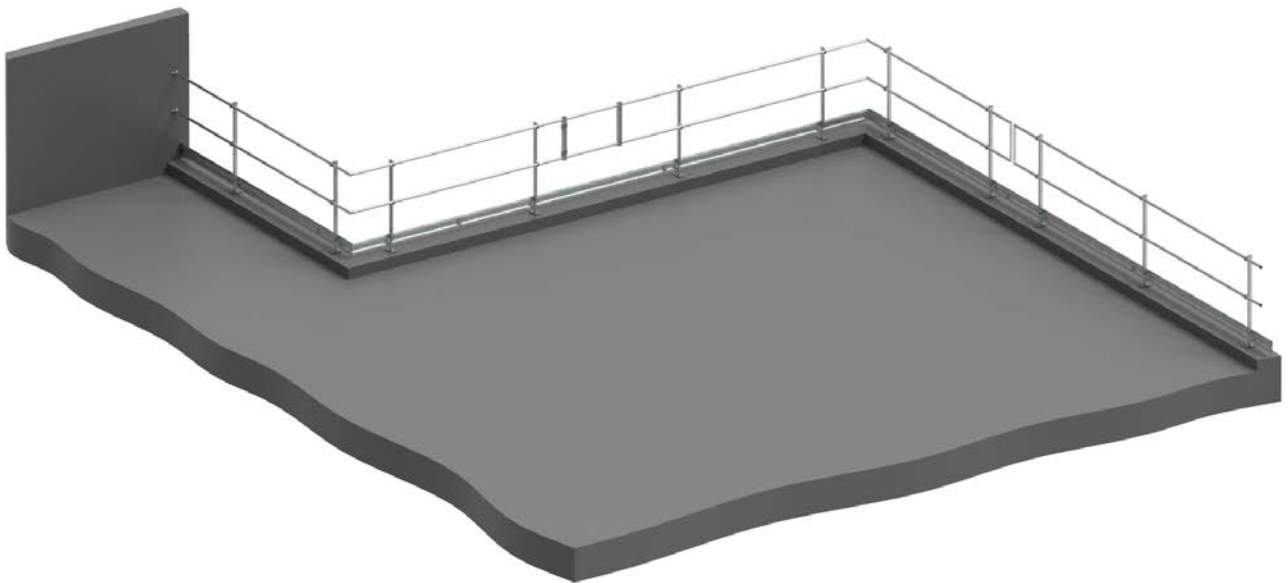
BARRIER-ATTIKA

Guardrail system installed on parapet

The BARRIER PARAPET guardrail system is suitable only for combination with an existing parapet construction. Once the system has been attached to the parapet construction, it provides optimum fall protection for all persons located on the roof. There are many attachment options for the guardrail system, and so an optimum solution can be found for every situation. The BARRIER PARAPET's various feet ensure an optimum visual result. For example, one of the feet also allows the system to be folded down completely, and then folded back up.

BENEFITS

- Optimum result thanks to various installation options on the parapet (at the side and on top).
- No additional load on the structure of the flat roof, thanks to direct installation on the parapet.
- Visually matching overall appearance thanks to various models (also foldable if required).
- Efficient installation and few roof penetrations, thanks to post separations of 2,5 m.



Currently no updates for this product

Components

BARRIER-Z11

Rating plate BARRIER-Z11 for guardrail system

Material: Aluminium composite, plastic for marking a BARRIER system



BARRIER-A22

Adapter BARRIER-A22

Substructure: concrete, steel construction
Effective height: 137 mm
Material: aluminium, stainless steel (AISI 304) for fastening the post BARRIER-S21 to the top of the parapet



BARRIER-F20

Toe board BARRIER-F20

Height x width x length: 170 x 20 x 3000 mm
Material: aluminium
For use when no parapet higher than 150mm is available!



BARRIER-F21

Toe board bracket BARRIER-F21

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-S21 post



BARRIER-F23

Toe board connection set BARRIER-F23

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



BARRIER-S21-1050

Standard post, parapet, BARRIER-S21-1050

Length: 1050 mm
Material: aluminium, aluminium-zinc, stainless steel
Standard post for System ATTIKA including pipe retainer.



BARRIER-T30

Door set BARRIER-T30

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



BARRIER-R11

Aluminium pipe BARRIER-R11

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



BARRIER-R21

Linear tie BARRIER-R21

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



BARRIER-R31

Corner tie BARRIER-R31

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



BARRIER-R41

Wall tie BARRIER-R41

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



BARRIER-R51

End seal BARRIER-R51

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



Components

BARRIER-R70

Pipe bracket BARRIER-R70

Material: zinc-aluminium, stainless steel
pipe retainer fo fix the pipes BARRIER-R11



BARRIER-R91

End cap BARRIER-R91

Diameter x thickness: 36 x 2 mm

Packaging unit: 2 pieces

Material: plastic

end cap for rail pipe BARRIER-R11

Projection of the rail pipe max. 350 mm!



Accessory items

BARRIER-A10

Adapter BARRIER-A10

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-A11

Adapter BARRIER-A11

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 BARRIER-A31

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



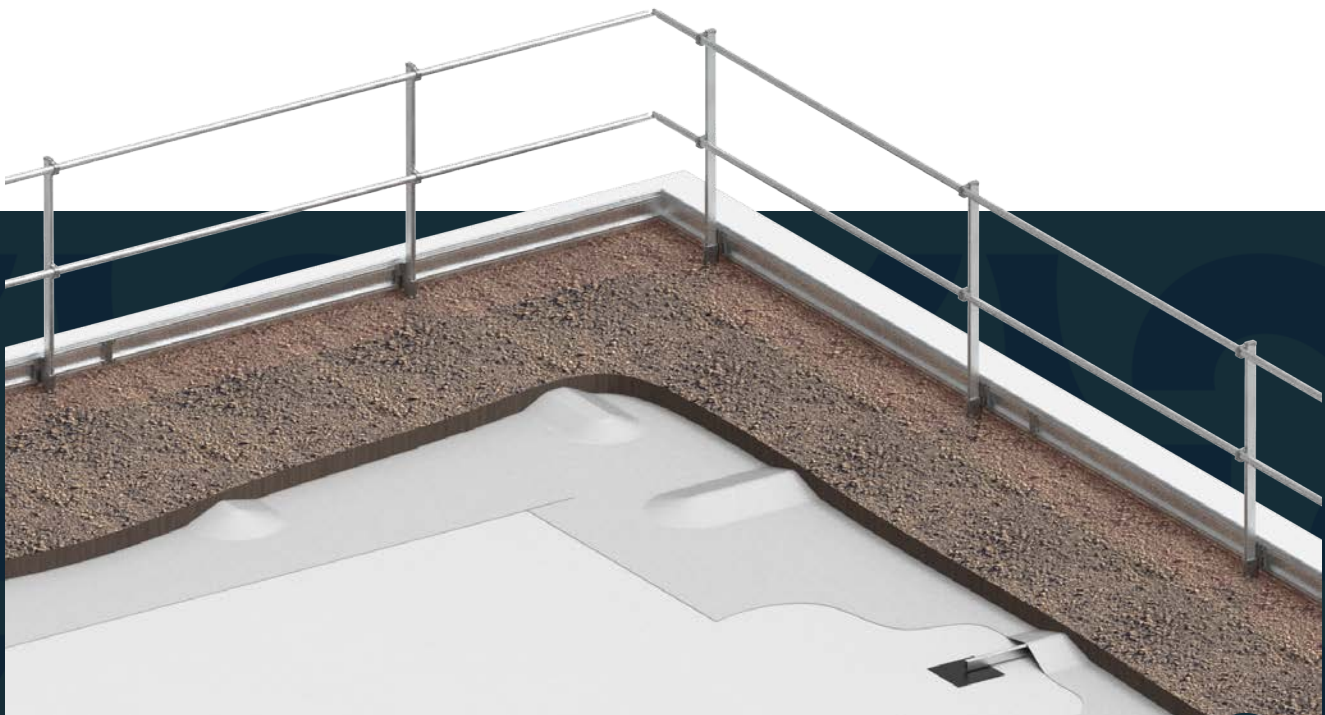
BARRIER-FLEECE

Guardrail system with green roof as superimposed load

The BARRIER FLEECE guardrail system is used wherever the fall edges of flat roofs up to 10° inclination must be protected. It creates a barrier to the fall edge, and so all persons located on the roof can move about in safety. This system is suitable only in combination with a green roof structure or a gravel fill, and was specially developed for this application area. Thanks to the green roof or gravel fill acting as a superimposed load, there is no need for additional weights on the roof, and so roof penetrations are a thing of the past.

BENEFITS

- Efficient installation and few roof penetrations, thanks to post separations of 2,5 m.
- Optimum adaptability to the structure of the building, thanks to the surface coating options for the guardrail.
- Optimum use of the green roof's intrinsic weight, so there is no need for additional weights on the roof or for roof penetrations.
- Prevention of stumbling events, thanks to the boom's location beneath the roof system.



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

Components

BARRIER-Z11

Rating plate BARRIER-Z11 for guardrail system

Material: Aluminium composite, plastic for marking a BARRIER system



BARRIER-S12-1500

Standard boom, superimposed load, BARRIER-S22-15

Length: 1500 mm

Material: aluminium

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



BARRIER-V12

Vario foot unit BARRIER-V12

Material: aluminium, stainless steel (AISI 304)
VARIO foot unit without boom/post, for creation of a load-bearing collective side protection



BARRIER-V14

Vario foot unit BARRIER-V14

Material:

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

New



BARRIER-V92

Vario corner tie BARRIER-V92

Material: aluminium, stainless steel V2A (AISI 304)
To connect two booms



BARRIER-F20

Toe board BARRIER-F20

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

Material: aluminium

For use when no parapet higher than 150mm is available!



BARRIER-F22

Toe board bracket BARRIER-F22

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



BARRIER-F23

Toe board connection set BARRIER-F23

Packing unit: 1 items

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



BARRIER-F25

Toe board bracket BARRIER-F25

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



BARRIER-S20-1140

Standard post BARRIER-S20-1140

Length: 1140 mm

Material: aluminium, aluminium-zinc, stainless steel
Standard post for System VARIO including pipe retainer.



BARRIER-S24-1140

Foldable post BARRIER-S24-1140

Length: 1140 mm

Material: aluminium, aluminium-zinc, stainless steel
Foldable post including pipe retainer.

New



BARRIER-S25-1150

Curved post BARRIER-S25-1150

Length: 1150 mm

Angle: 75°

Material: aluminium, aluminium-zinc
urved post including tube holder for BARRIER-V14.

New



Components

BARRIER-T30

Door set BARRIER-T30

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



BARRIER-R11

Aluminium pipe BARRIER-R11

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



BARRIER-R21

Linear tie BARRIER-R21

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



BARRIER-R31

Corner tie BARRIER-R31

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



BARRIER-R41

Wall tie BARRIER-R41

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



BARRIER-R51

End seal BARRIER-R51

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



BARRIER-R70

Pipe bracket BARRIER-R70

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



BARRIER-R91

End cap BARRIER-R91

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



BARRIER-Z22

End cap BARRIER-Z22

Material: zinc-aluminium
End cap to cover a standard post



BARRIER-SKYLIGHT

Guardrail system around skylights/strip lights

The BARRIER SKYLIGHT guardrail system is used wherever skylights must be protected on roofs of up to 10° inclination. Regardless of the size of the skylight, the superimposed load system provides optimum fall protection, and thereby neutralises the source of danger which results from a skylight. If various skylights are present on a roof, then the guardrail system can be adapted individually to the actual size of each skylight. In this regard, several installation variants are available. The guardrail system places no restrictions on the functionality of the existing skylight and also ensures optimum light penetration into the space below.

BENEFITS

- Variable system which is simple to retrofit, thanks to the various installation variants.
- Optimum safety without technical modification of the skylight (no impairment of smoke extraction capability).
- Simple, space-saving installation, thanks to the intelligent adapter directly on the concrete weight.
- Secured access from the skylight to the flat roof, if an optional door set is installed.



Currently no updates for this product

Technical product description

The guardrail system consisting of aluminium and stainless steel impresses because of its weather resistance and robustness. The guardrail, together with the various individual components, such as the specially developed foot units, posts, booms, and concrete weights, combine to create a harmonised system. There are no restrictions in terms of the size of the existing skylight.



TECHNICAL BENEFITS

Adjustable to individual requirements

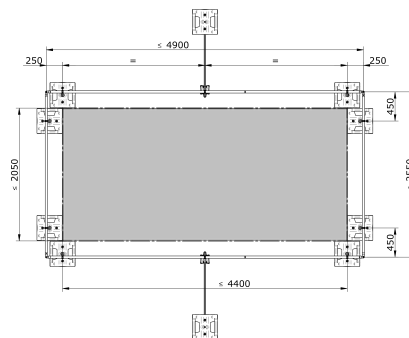
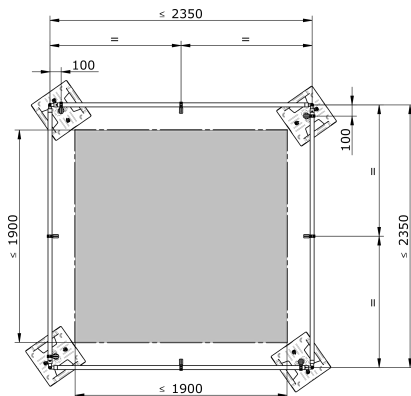
Skylights of different sizes are often found on a roof. The guardrail system can be individually adapted to various sizes. Thanks to a special adapter, which enables installation without booms, space can be saved when securing skylights with a maximum size of 1,9 x 1,9 m.

Maintenance of skylight technology

The system is designed in such a way that the technical functioning of the skylight, such as smoke extraction capability, is not restricted. In addition, thanks to our system, the natural light penetration through the skylight is maintained.

Secured access

Fitting the optional BARRIER-T30 door set makes possible optimally secured access from the skylight to the flat roof (or vice-versa).



State of the art certification:

EN 13374:2019

EN ISO 14122-3:2016

DIN 14094-2:2017

Components

BARRIER-Z11

Rating plate BARRIER-Z11 for guardrail system

Material: Aluminium composite, plastic for marking a BARRIER system



BARRIER-V20

Vario weight BARRIER-V20

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

Weight: 12,5 kg

Material: Beton



BARRIER-S22-1300

Standard boom BARRIER-S22-1300

Length: 1300 mm

Material: aluminium

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



BARRIER-V12

Vario foot unit BARRIER-V12

Material: aluminium, stainless steel (AISI 304)
VARIO foot unit without boom/post, for creation of a load-bearing collective side protection



BARRIER-V14

Vario foot unit BARRIER-V14

New

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



BARRIER-V82

Vario adapter BARRIER-V82

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

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



BARRIER-S20-1140

Standard post BARRIER-S20-1140

Length: 1140 mm

Material: aluminium, aluminium-zinc, stainless steel
Standard post for System VARIO including pipe retainer.



BARRIER-T30

Door set BARRIER-T30

Material: aluminium, stainless steel (AISI 304)
Opening 800 mm, anchorage direction fixed, not selectable (right hand door)

For load-bearing implementation, 4 x BARRIER-V20 weights required for each door side!



BARRIER-R11

Aluminium pipe BARRIER-R11

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

Material: aluminium



BARRIER-R21

Linear tie BARRIER-R21

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



BARRIER-R31

Corner tie BARRIER-R31

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



Components

BARRIER-S23-560

Stiffening strut BARRIER-S23-560

Length x width x height: 560 x 45 x 25 mm

Material: aluminium, aluminium-zinc, stainless steel

Stiffening bar for pipe BARRIER-R11



BARRIER-R70

Pipe bracket BARRIER-R70

Material: zinc-aluminium, stainless steel
pipe retainer fo fix the pipes BARRIER-R11



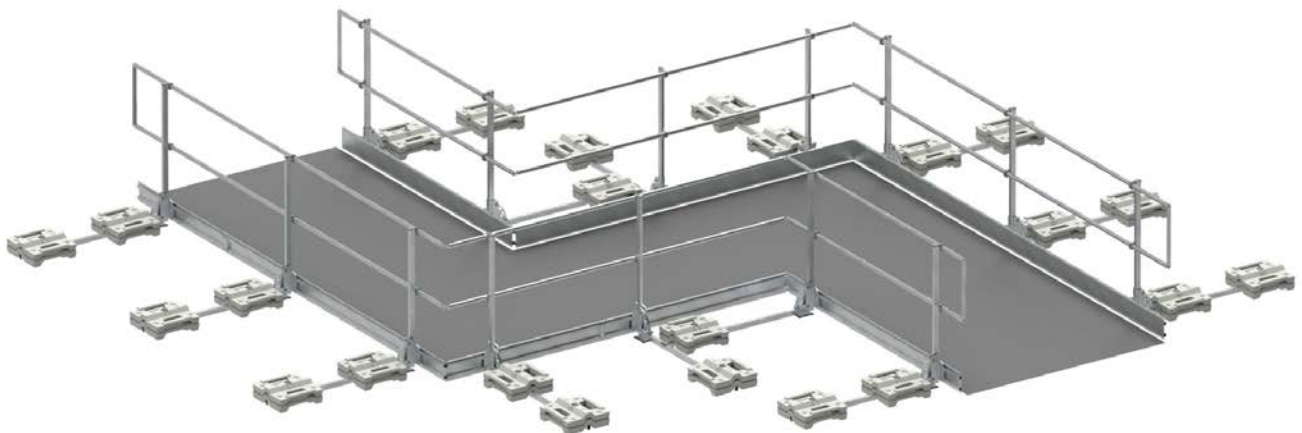
BARRIER-ESCAPE-ROUTE

Guardrail system for escape routes

The BARRIER ESCAPE ROUTE guardrail system is used wherever a prescribed route out of the danger zone has to be created so that persons can leave it safely. Regardless whether it is a case of straight runs, or whether corner layouts must be created, the guardrail system ensures optimum safety. Depending on the construction circumstances, the Vario escape route system and the concrete slab escape route system provide two guardrail system variants held by superimposed load. The BARRIER ESCAPE ROUTE guardrail system was designed to ensure simple installation.

BENEFITS

- Certified solution for implementing an escape route which complies with standards.
- Vario escape route system provides individual setting of escape route width, depending on the number of persons escaping.
- Space-saving concrete slab escape route system variant, using customer-supplied concrete slabs to provide superimposed load.
- Simple to retrofit, because the system uses superimposed loads.



Currently no updates for this product

Technical product description

The guardrail system consisting of aluminium and stainless steel impresses because of its weather resistance and robustness. The guardrail, together with the various individual components, such as the specially developed foot units, booms, posts, concrete weights, and the toe board, combine to create a harmonised system. Depending on which system variant is used, there is the option of a space-saving or individually adjustable escape route width.



TECHNICAL BENEFITS

Escape route compliant with standards

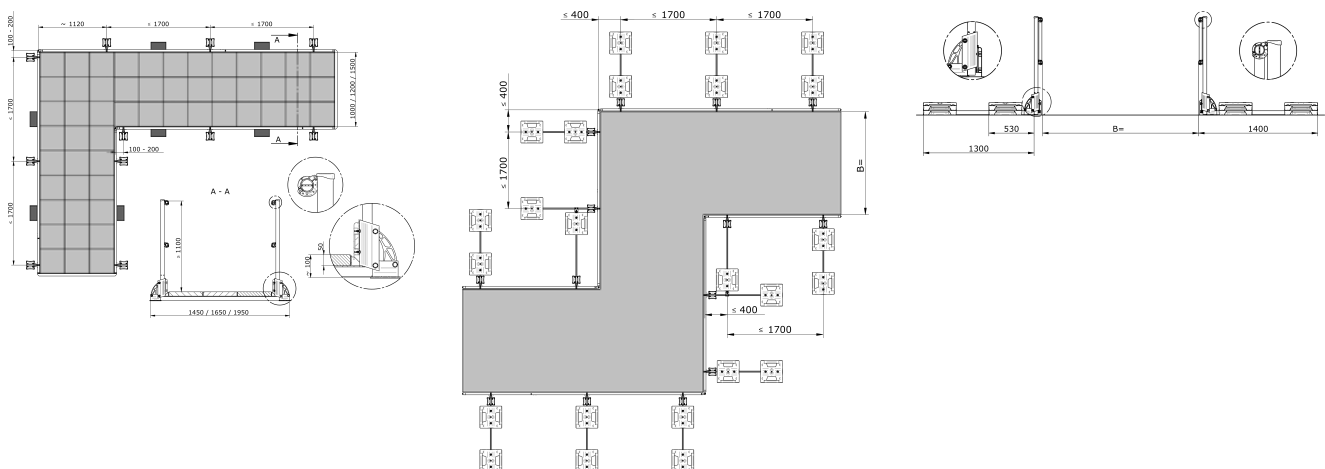
If the necessary prerequisites are fulfilled, e.g. reduction of post separation to 1,7 m, a path width of at least 700 mm, and additional measures (such as fitting toe boards), the system can be used as a standards-compliant escape route.

Adjustable to individual requirements

With the Vario escape route system variant, there is the option of individually adapting the escape route width to the circumstances.

Space-saving system

The concrete slab escape route system has no booms or concrete weights on the outside of the escape route instead, the existing concrete slabs of the path serve as the superimposed load. This therefore represents a space-saving alternative. Our standard path widths are 1450 mm, 1650 mm, and 1950 mm, but an individual adaptation is possible on request.



State of the art certification:

DIN 14094-2:2017

Components

BARRIER-Z11

Rating plate BARRIER-Z11 for guardrail system

Material: Aluminium composite, plastic
for marking a BARRIER system



BARRIER-V20

Vario weight BARRIER-V20

Height x width x length: 93 x 390 x 390 mm
Weight: 12,5 kg
Material: Beton



BARRIER-S22-1300

Standard boom BARRIER-S22-1300

Length: 1300 mm
Material: aluminium
Standard boom for System VARIO, escape route
according to plan
customised lengths on request!



BARRIER-V12

Vario foot unit BARRIER-V12

Material: aluminium, stainless steel (AISI 304)
VARIO foot unit without boom/post, for creation of a
load-bearing collective side protection



BARRIER-V14

Vario foot unit BARRIER-V14

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

New



BARRIER-V92

Vario corner tie BARRIER-V92

Material: aluminium, stainless steel V2A (AISI 304)
To connect two booms



BARRIER-F20

Toe board BARRIER-F20

Height x width x length: 170 x 20 x 3000 mm
Material: aluminium
For use when no parapet higher than 150mm is
available!



BARRIER-F22

Toe board bracket BARRIER-F22

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



BARRIER-F23

Toe board connection set BARRIER-F23

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



BARRIER-F25

Toe board bracket BARRIER-F25

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



BARRIER-S20-1140

Standard post BARRIER-S20-1140

Length: 1140 mm
Material: aluminium, aluminium-zinc, stainless steel
Standard post for System VARIO including pipe retainer.



BARRIER-R11

Aluminium pipe BARRIER-R11

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



Components

BARRIER-R21

Linear tie BARRIER-R21

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



BARRIER-R31

Corner tie BARRIER-R31

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



BARRIER-R41

Wall tie BARRIER-R41

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



BARRIER-R51

End seal BARRIER-R51

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



BARRIER-R91

End cap BARRIER-R91

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



BARRIER-T30

Door set BARRIER-T30

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



BARRIER-Z50-3000

Footway rail BARRIER-Z50-3000

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



Accessory items

BARRIER-Z33-500

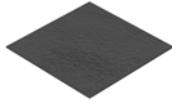
Underlay mat Z33-500

Height x width x length: 3 x 500 x 500 mm

Material: polyurethane

Packing unit: 1 item

underlay mat for one VARIO-BARRIER-V20



BARRIER-MACHINE-SAFEGUARDING-SYSTEM

Guardrail system for machinery

The BARRIER MACHINE SAFEGUARDING guardrail system is used wherever fall edges on machinery or in an industrial environment have to be secured. The guardrail system is so flexible that it is possible to individually solve the various requirements in different areas of industry. In order to fulfil both safety and aesthetic requirements in the best possible way, various installation options and foot units are available. For example, there is also the option to fold the system up and down completely, and this is particularly practical in industry. The simple installation of the guardrail system ensures that it can be deployed rapidly.

BENEFITS

- Certified solution for securing fall edges in the area of machinery.
- Variable system, thanks to the different installation options provided by the foot units.
- Visual barrier indication through use of signal colours is possible thanks to the various coating options for the guardrails.
- Practical to deploy, because the system can be folded down completely when not in use, and expanded again for use.



Currently no updates for this product

Technical product description

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



TECHNICAL BENEFITS

Reduction of installation effort

From a financial aspect, the wide post separations of 1,8 m have a positive effect on the overall installation process.

Completely foldable

If the appropriate foot unit and the matching posts are used, then the guardrail can be folded down completely, so that it is no longer visible. If the guardrail's protective function is required again, then it can be expanded once more.

Secured access

By fitting the optional BARRIER-T30 door set, optimally secured access to and exit from a machine are made possible.

State of the art certification:

EN ISO 14122-3:2016

Components

BARRIER-Z11

Rating plate BARRIER-Z11 for guardrail system

Material: Aluminium composite, plastic for marking a BARRIER system



BARRIER-A22

Adapter BARRIER-A22

Substructure: concrete, steel construction
Effective height: 137 mm
Material: aluminium, stainless steel (AISI 304) for fastening the post BARRIER-S21 to the top of the parapet



BARRIER-F20

Toe board BARRIER-F20

Height x width x length: 170 x 20 x 3000 mm
Material: aluminium
 For use when no parapet higher than 150mm is available!



BARRIER-F21

Toe board bracket BARRIER-F21

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-S21 post



BARRIER-F23

Toe board connection set BARRIER-F23

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



BARRIER-S21-1050

Standard post, parapet, BARRIER-S21-1050

Length: 1050 mm
Material: aluminium, aluminium-zinc, stainless steel
 Standard post for System ATTIKA including pipe retainer.



BARRIER-T30

Door set BARRIER-T30

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



BARRIER-R11

Aluminium pipe BARRIER-R11

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



BARRIER-R21

Linear tie BARRIER-R21

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



BARRIER-R31

Corner tie BARRIER-R31

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



BARRIER-R41

Wall tie BARRIER-R41

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



BARRIER-R51

End seal BARRIER-R51

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



Components

BARRIER-R70

Pipe bracket BARRIER-R70

Material: zinc-aluminium, stainless steel
pipe retainer fo fix the pipes BARRIER-R11



BARRIER-R91

End cap BARRIER-R91

Diameter x thickness: 36 x 2 mm

Packaging unit: 2 pieces

Material: plastic

end cap for rail pipe BARRIER-R11

Projection of the rail pipe max. 350 mm!



Accessory items

BARRIER-A10

Adapter BARRIER-A10

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-A11

Adapter BARRIER-A11

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 BARRIER-A31

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



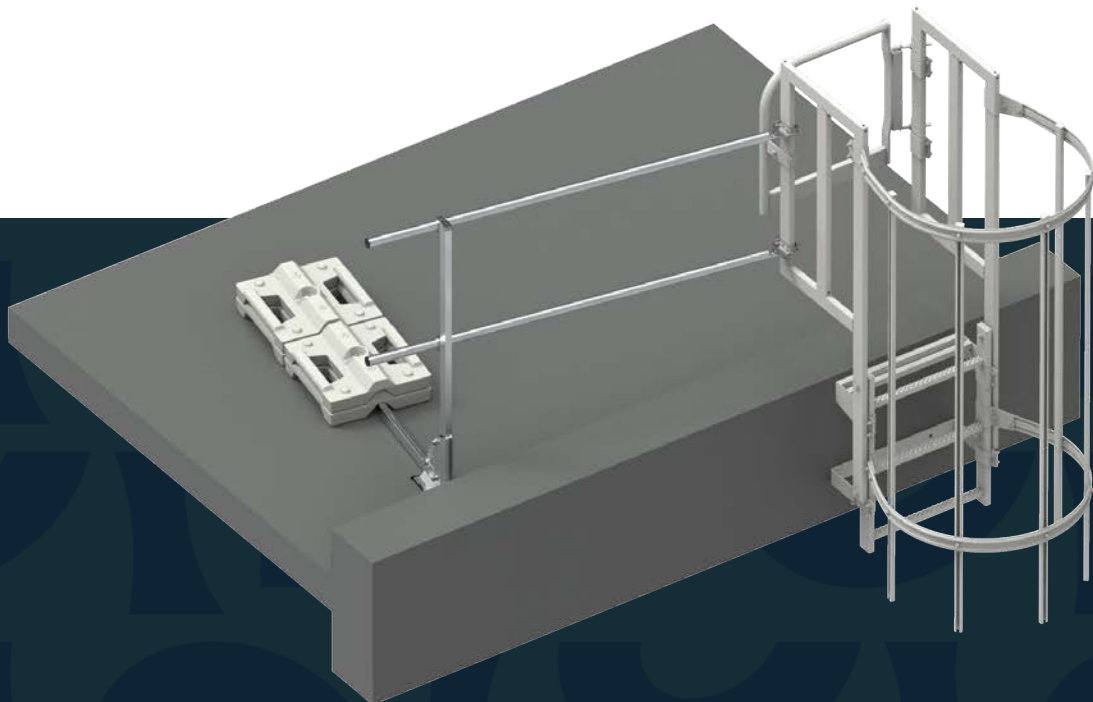
BARRIER-ASCENT-LADDER

Guardrail system for ladder exits

The BARRIER ASCENT LADDER guardrail system is used wherever it is necessary to secure the exit area of an ascent ladder, where a fall edge is present after exiting onto the roof surface. Depending on the substructure (parapet) present and structural requirements, two different assembly variants are available for an optimum result in securing against falls. The guardrail system held by superimposed load is designed in such a way that it can be installed quickly and easily by clamped attachment to the customer's ascent ladder. With this system, roof penetrations are a thing of the past.

BENEFITS

- Simple to retrofit, because the system uses superimposed loads.
- No roof penetrations, because system is held by superimposed load.
- Thanks to the optional toe board, the system can also be used for edges without an existing foot guardrail (Parapet, etc.)



Currently no updates for this product

Technical product description

The guardrail system consisting of aluminium and stainless steel impresses because of its weather resistance and robustness. The pre-assembled BARRIER-ASCENT-LADDER-SET consists of a guardrail in combination with various individual components, such as the specially developed foot units, posts, booms, concrete weights, and connectors. An additional toe board set is an optionally available extension for roofs without parapets (at least 15 cm).



TECHNICAL BENEFITS

1 system for 1 side

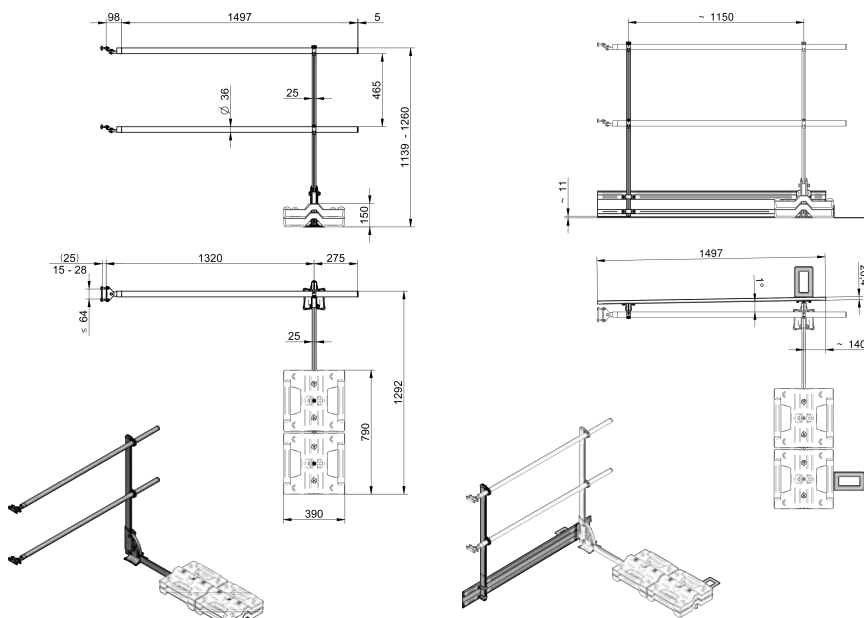
For securing the areas left and right of the ascent ladder, two BARRIER-ASCENT-LADDER systems are required (1 system secures 1 side).

Simple to install

The way that the guardrail system is clamped to the customer's ascent ladder ensures simple and efficient installation.

Secured access

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



State of the art certification:

EN 13374:2019

DIN EN 14122-3:2016

DIN 14094-2:2017

Components and
associated equipment

Components



BARRIER-LIMIT

Enclosure of danger areas

BARRIER LIMIT is used wherever a visually recognisable barrier must be provided for a danger area. The system is particularly suitable for drawing attention to danger sources in locations at height. The barrier is quick to install and is ready for use in a few moments. BARRIER LIMIT, held by superimposed load, can be deployed flexibly, regardless of the area of use. The use of special tools can be avoided completely.

BENEFITS

- Easy and rapid installation, thanks to the uncomplicated assembly without special tools.
- Low superimposed load, thanks to the wide post separation of 7,5 m.
- Simple creation of gangways, thanks to the practical chain holder.
- Visual recognisability of the danger source, thanks to the coloured link chain.



Currently no updates for this product



Technical product description

The barrier, made of aluminium and plastic, impresses above all because of its conspicuousness. The red/white chain makes a danger area in locations at height visually recognisable at a glance.



TECHNICAL BENEFITS

Low superimposed load

Thanks to the post separation of 7.5 m, only a low load is superimposed on the location at height.

Creation of gangways

Thanks to the practical chain-holder, there is also a gangway option.

Components

LIMIT-TYP-10

Rating plate LIMIT-TYP-10

Material: aluminium, plastic
for designation of a LIMIT freestanding system



LIMIT-KE-RW

Barrier chain, LIMIT-KE-RW-50

Dimensions: 46 x 11 x Ø 6 mm

Length: 50 m

Material: plastic

Colour: red / white



LIMIT-KE-RW-25

Barrier chain, LIMIT-KE-RW-25

Dimensions: 46 x 11 x Ø 6 mm

Length: 25 m

Material: plastic

Colour: red / white



LIMIT-KA-20

Top cap, LIMIT-KA-20

Height x width x length: 58 x 47 x 47 mm

Material: plastic



LIMIT-KA-10

Lower cap, LIMIT-KA-10

Height x width x length: 19 x 40 x 40 mm

Material: plastic



LIMIT-S-1180

Post LIMIT-S-1180

Length: 1180 mm

Material: aluminium



LIMIT-GW-10

Weight LIMIT-GW-10

Height x width x length: 110 x 400 x 800 mm

Weight: 28 kg

Material: recycled material

weight of recycled material for post LIMIT-S





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