Bohle

HARDWARE

for Balustrades

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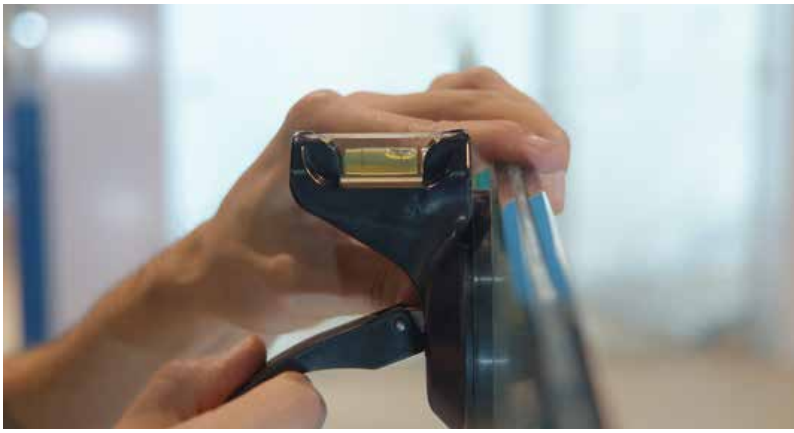

ONE SYSTEM. COUNTLESS POSSIBILITIES.

Thanks to four profile variants, VetroMount® glass balustrade system is suitable for a great variety of installation settings. The system is based on an intelligent fastening mechanism with patented glass clamping devices. They enable the continuous adjustment of glass panes, which can subsequently be fixed in the profile, for guaranteed, 100% safety.
The installation is quick and cost-effective.

Tested system with structural analysis
- On concrete and steel
- For attics from 400 mm
- For enamelled glass (Floor and Side Profile U)

Approval
- Private (0.5 kN)
- Public (1.0 kN)

Glass thicknesses:
- 12.76 mm
- 15 mm
- 17.52 mm
- 21.52 mm

Glass dimensions
- Min. width: 300 mm
- Max. height: 1300 mm

Flexibility
- With and without cover profiles
- Floor connection and building connection profiles
- LED illumination can be integrated optionally

Glass fixing
- In record time thanks to patented glass clamping elements

Glass alignment
- Continuous adjustability by up to ±20 mm

Material
- Aluminium with protective 25 µm anodised layer

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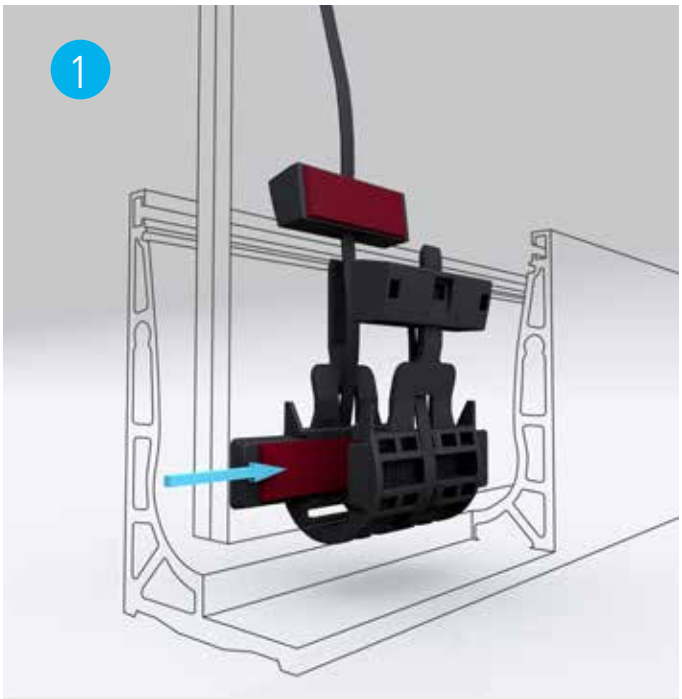
GLASS FIXING EQUIPPED WITH REVOLUTIONARY TECHNOLOGY

Nothing is simpler: With VetroMount®, no additional time is required for assembly of parts. The glass clamping elements are simply inserted into the profile and the glass is then subsequently installed.

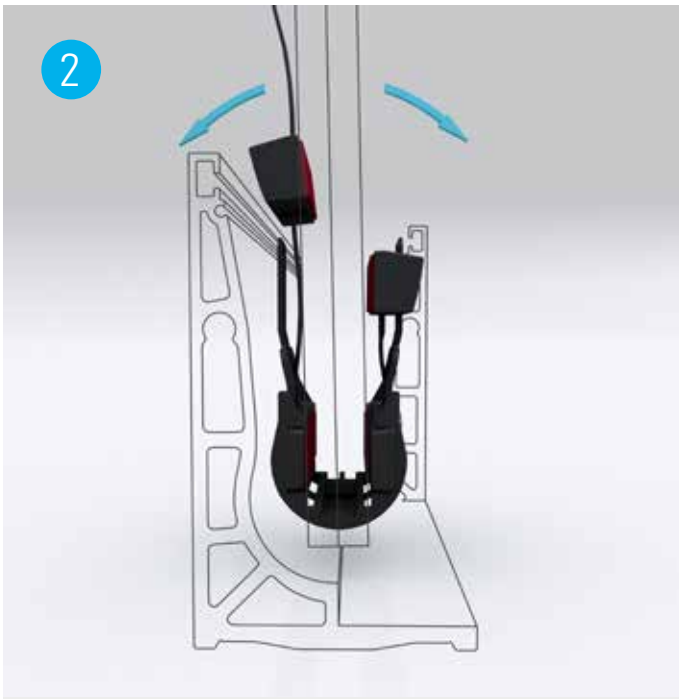
Fast. Simple. Safe.

- Save time thanks to pre-drilled profiles with fixing points every 400mm
- Patented glass fixing in three quick steps
- Continuous adjustment of glass panes
- Installation from the inside
- Quick disassembly of a single panel is possible with a standard screwdriver

Safely anchor the glass pane in 3 steps – thanks to the intelligent cable-tie principle.



To **fix the glass pane**, simply push the lower clamping wedge to one side. The easiest way to do this is by using the mounting aid on page 32.



The **glass inclination** can be adjusted manually without the need for any tools (± 20 mm for a glass height of 1 m). The glass clamping elements move continuous and simultaneously inside the profile.

When it comes to anchoring the glass, simply engage the pull strap while the upper tensioning wedge safely locks into place – as ingenious as the cable-tie principle.

Fast. Simple. Safe.
The patented safety mechanism from VetroMount®
Watch installation video!

Product Highlights

- Tested fastening mechanism on concrete and steel
- Tested for attics
- Tested for enamelled glass
- Screw usually required only every 400 mm
- Installation with and without cover profile
- Floor connection and building connection profiles available
- Glass heights up to 1300 mm
- Glass width from 300 mm possible
- Optional drainage with the aid of intermediate connectors
- Aluminium with protective anodised layer
- LED illumination can be integrated

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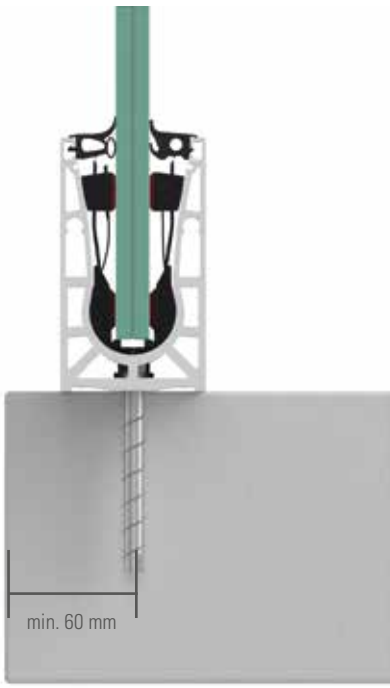
FLOOR PROFILE U
FOR TOP MOUNTING

The Floor Profile U for top mounting is made of extruded aluminium and stands out due to its high-quality finish.
We recommend intermediate connectors for fast drainage – the connectors are fixed in between the floor profiles with a simple plug connection.

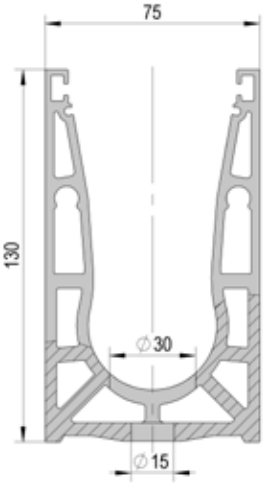


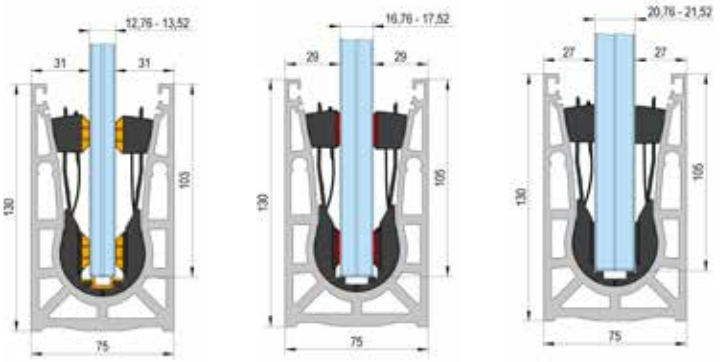
1kN

AbP geprüftes System | AVIS Technique 2.1/19-1802 | BS 6180 proofed system | CTE Código Técnico de la Edificación | Statisch berechnet gemäss DIN18008 | NTC UNI 11678-2017 | NEN-EN 1991-1-1 | ÖNORM B 3716-3 | SANS 10160-2 + 10137 | SIA 261 : 2014

For further explanations, see page 69.

VetroMount® Floor Profile U





LENGTH	FINISH	DRILL HOLES	ART. NO.	SALES UNIT
5000 mm	Aluminium colour anodised E6/C0	25	BO 5403010	1 x

VetroMount® Mounting Set (glass clamping elements/rubber seals)

Glass clamping elements
26 x (5000 mm)
+
2 x rubber seals

- For the version **without** cover profile
- Only 4 glass clamping elements per metre

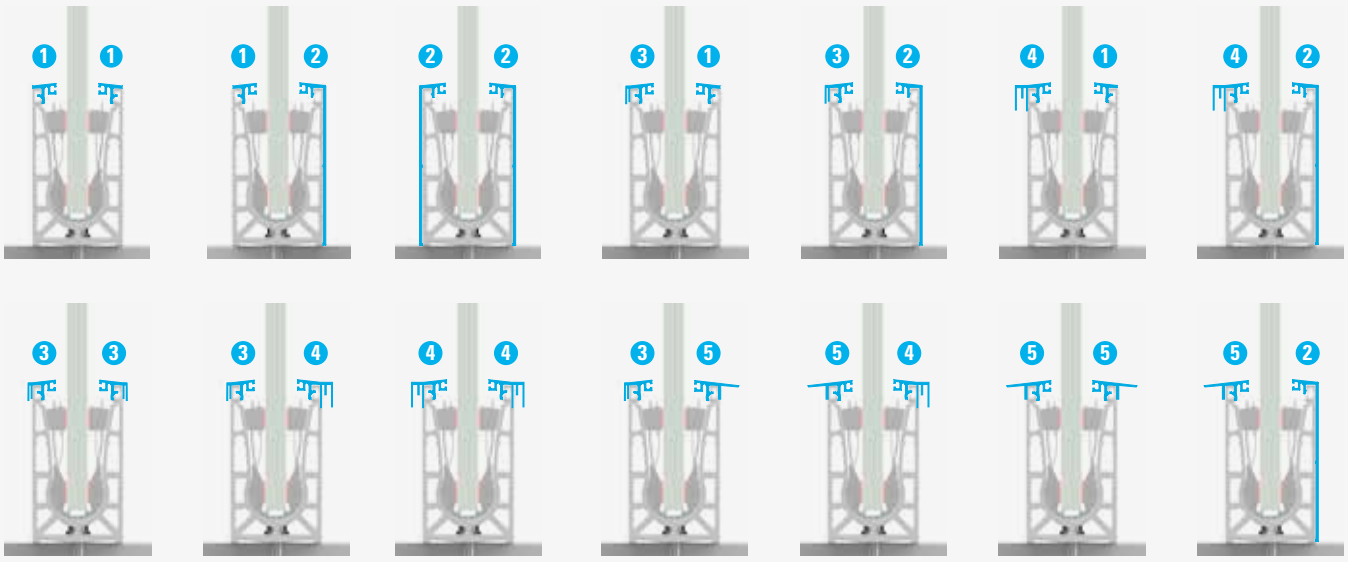
PROFILE	12.76 mm	15 mm	17.52 mm	21.52 mm
L = 5000 mm	BO 5403085	BO 5403089	BO 5403093	BO 5403099

- For the version **with** cover profile
- Narrow rubber profile
- Only 4 glass clamping elements per metre

Available on request

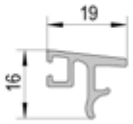
PROFILE	12.76 mm	15 mm	17.52 mm	21.52 mm
L = 5000 mm	BO 5403069	BO 5403073	BO 5403077	BO 5403083

Possible combinations for cover profiles / structural connection profile / floor connection profile



VetroMount® Cover Profile, top

1



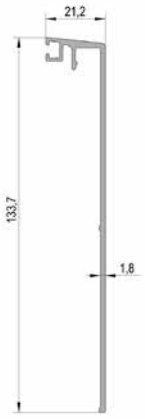
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
5000 mm	Aluminium colour anodised E6/C0	BO 5403018	1x
5000 mm	Stainless steel look anodised E4/C31	BO 5403019	1x

VetroMount® Cover Profile, lateral

2



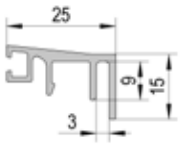
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
5000 mm	Aluminium colour anodised E6/C0	BO 5403014	1x
5000 mm	Stainless steel look anodised E4/C31	BO 5403015	1x

VetroMount® Structural Connection Profile

3

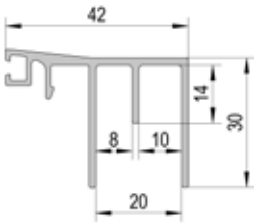


- Opening width 3 mm (e. g. for steel sheet)
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: Aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403036	1 x

4



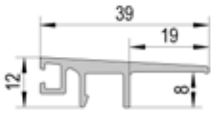
- Opening width 8, 10, 20 mm (e. g. for glass or wood plates)
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403037	1 x

VetroMount® Floor Connection Profile

5



- For bridging the gap between basic profile and floor
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

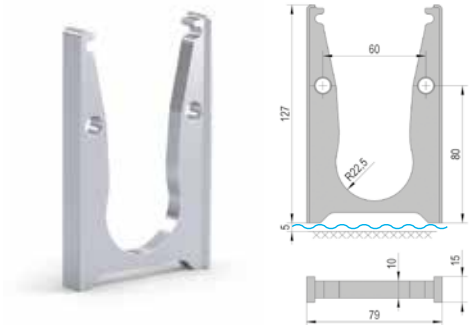
Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403038	1 x

For further information on structural and/or floor connection profiles, please see page 34.

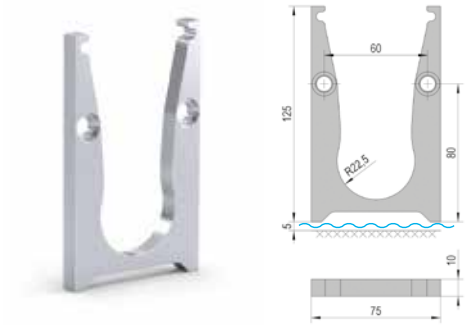
VetroMount® Intermediate Connector for Drainage Purposes

Available on request



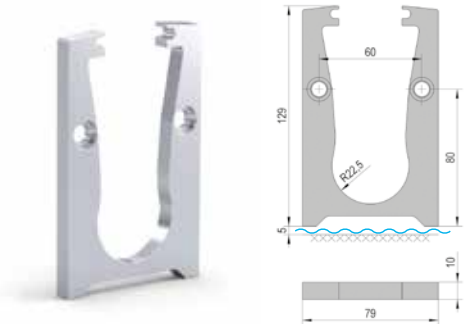
- **Overlapping** · for use **without** cover profiles
- The number and the position of intermediate connectors must planned on site.
- For Floor Profile U for top mounting only
- Material: aluminium

FINISH	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	BO 5403020	1x



- **Overlapping** · for use **without** cover profiles
- The number and the position of intermediate connectors must planned on site.
- For Floor Profile U for top mounting only
- Material: aluminium

FINISH	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	BO 5403021	1x



- **Overlapping** · for use **with** cover profiles
- The number and the position of intermediate connectors must planned on site.
- For Floor Profile U for top mounting only
- Material: aluminium

FINISH	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	BO 5403022	1x
Stainless steel look anodised E4/C31	BO 5403023	1x

The use of intermediate connectors enables excess water to quickly run off. The intermediate connectors are simply placed in between the Floor Profiles U and thus allow for the water to run off.

VetroMount® Connecting Pins for Basic Profile and Intermediate Connector for Drainage Purposes

- Complies with DIN 1481
- Diameter: 8 mm

LENGTH	ART. NO.	SALES UNIT
50 mm	BO 5403113	2x

VetroMount® End Caps for Floor Profile

Available on request

- For use **without** cover profiles
- Mounting bolts included in set
- Simple attaching and removing of end caps
- Material: aluminium

FINISH	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	BO 5403109	1x
Stainless steel look anodised E4/C31	BO 5403108	1x

- For use **with** cover profiles
- Mounting bolts included in set
- Simple attaching and removing of end caps
- Material: aluminium

FINISH	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	BO 5403111	1x
Stainless steel look anodised E4/C31	BO 5403110	1x

The end caps are conveniently attached with the aid of pins supplied with the set and offer a firm hold. No screwing or bonding required for fastening the end cap. Thanks to the plug-in system, the end caps can be loosened as quickly as they can be fastened.

Product Highlights

- Tested fastening mechanism on concrete and steel
- Tested for attics
- For a flush finish of the edge
- Screw usually required only every 400 mm
- Installation with and without cover profile
- Floor connection and building connection profiles available
- Glass heights up to 1300 mm
- Glass width from 300 mm possible
- Aluminium with protective anodised layer
- LED illumination can be integrated

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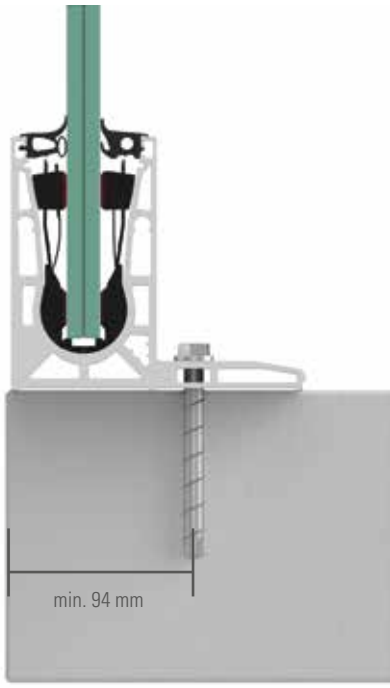
FLOOR PROFILE F
FOR TOP MOUNTING

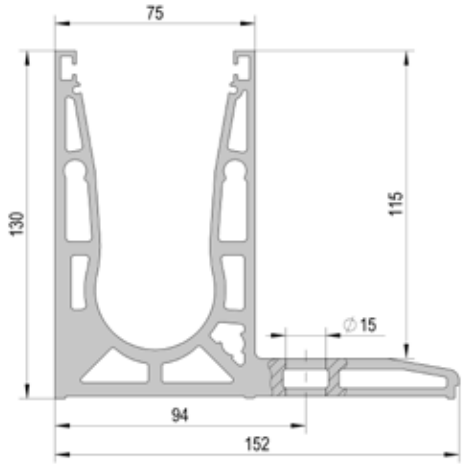
The Floor Profile F for top mounting is ideally suited for creating a flush finish on the construction edge. For achieving a flush floor edge, we recommend applying a floor screed

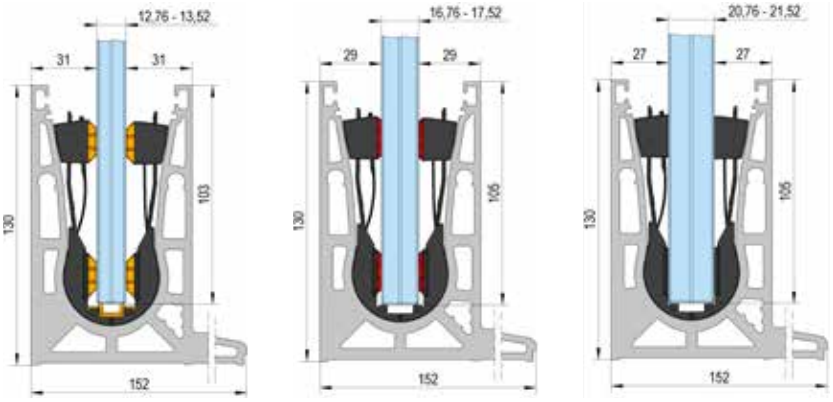


1kN

AbP geprüftes System | BS 6180 proofed system | CTE Código Técnico de la Edificación | Statisch berechnet gemäss DIN18008 | NTC UNI 11678-2017 | NEN-EN 1991-1-1 | ÖNORM B 3716-3 | SANS 10160-2 + 10137

VetroMount® Floor Profile F





LENGTH	FINISH	DRILL HOLES	ART. NO.	SALES UNIT
5000 mm	Aluminium colour anodised E6/C0	25	BO 5403031	1 x

VetroMount® Mounting Set (glass clamping elements/rubber seals)

Glass clamping elements
26 x (5000 mm)
+
2 x rubber seals

- For the version **without** cover profile
- Only 4 glass clamping elements per metre

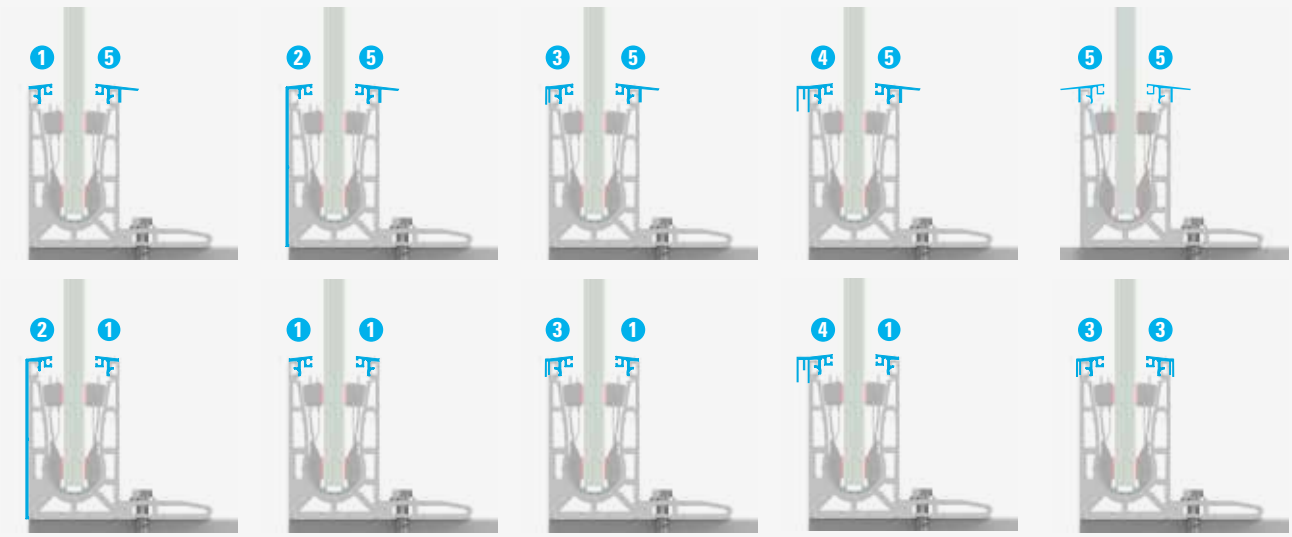
PROFILE	12.76 mm	15 mm	17.52 mm	21.52 mm
L = 5000 mm	BO 5403085	BO 5403089	BO 5403093	BO 5403099

- For the version **with** cover profile
- Narrow rubber profile
- Only 4 glass clamping elements per metre

Available on request

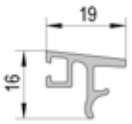
PROFILE	12.76 mm	15 mm	17.52 mm	21.52 mm
L = 5000 mm	BO 5403069	BO 5403073	BO 5403077	BO 5403083

Possible combinations for cover profiles / structural connection profile / floor connection profile



VetroMount® Cover Profile, top

1



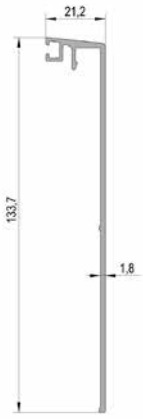
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
5000 mm	Aluminium colour anodised E6/C0	BO 5403018	1x
5000 mm	Stainless steel look anodised E4/C31	BO 5403019	1x

VetroMount® Cover Profile, lateral

2



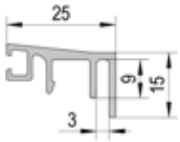
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
5000 mm	Aluminium colour anodised E6/C0	BO 5403014	1x
5000 mm	Stainless steel look anodised E4/C31	BO 5403015	1x

VetroMount® Structural Connection Profile

3

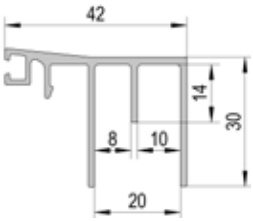


- Opening width 3 mm (e. g. for steel sheet)
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403036	1 x

4



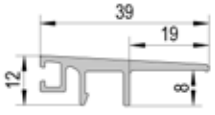
- Opening width 8, 10, 20 mm (e. g. for glass or wood plates)
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403037	1 x

VetroMount® Floor Connection Profile

5



- For bridging the gap between basic profile and floor
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

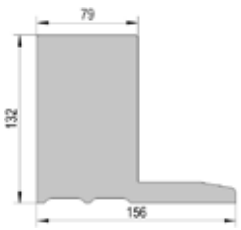
Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403038	1 x

For further information on structural and/or floor connection profiles, please see page 34.

VetroMount® End Cap for Floor Profile F

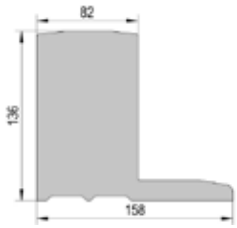
Fig.: left end cap



- For use **without** cover profiles
- Mounting bolts included in set
- Simple attaching and removing of end caps
- Material: aluminium

FINISH	SIDE	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	Left	BO 5403039	1x
Aluminium colour anodised E6/C0	Right	BO 5403040	1x

Fig.: left end cap



- For use **with** cover profiles
- Mounting bolts included in set
- Simple attaching and removing of end caps
- Material: aluminium

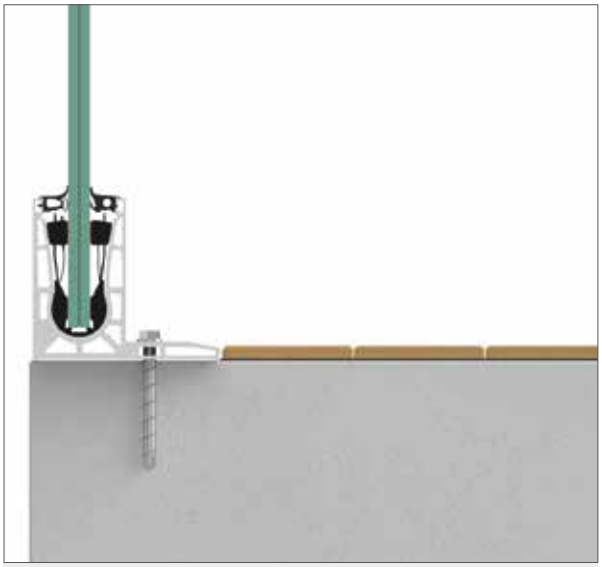
Available on request

FINISH	SIDE	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	Left	BO 5403041	1x
Aluminium colour anodised E6/C0	Right	BO 5403042	1x
Stainless steel look anodised E4/C31	Left	BO 5403043	1x
Stainless steel look anodised E4/C31	Right	BO 5403044	1x

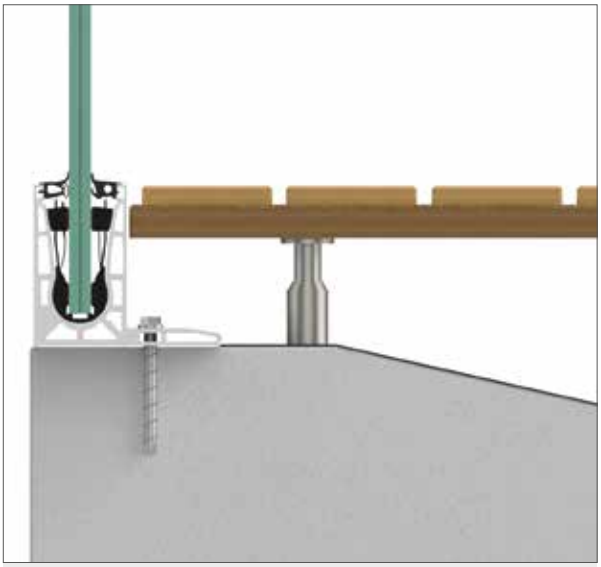
The end caps are conveniently attached with the aid of pins supplied with the set and offer a firm hold. No screwing or bonding required for fastening the end cap. Thanks to the plug-in system, the end caps can be loosened as quickly as they can be fastened.

MORE FLEXIBILITY WITH THE FLOOR PROFILE F

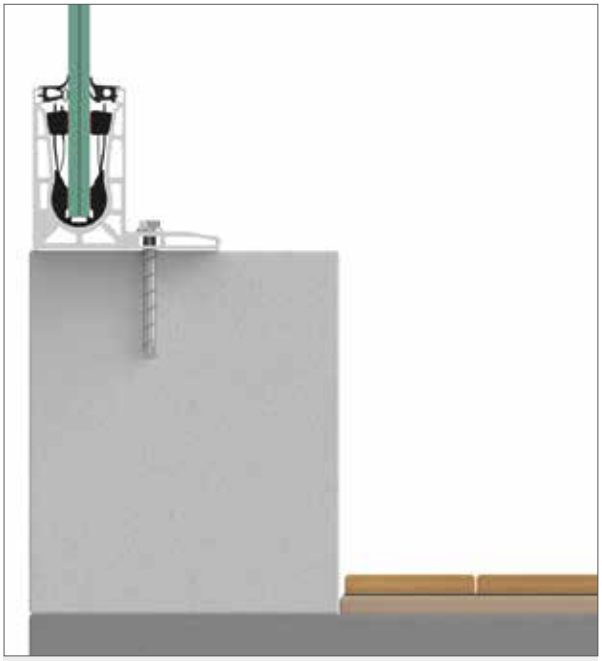
The Floor Profile F offers versatile installation options. The General Building Inspection Test Certificate for VetroMount® confirms its one hundred percent safety. We are happy to assist you with customised solutions. Please get in touch with us!



The Floor Profile F has a flush finish both to the construction edge and the floor on the right side.



Using the profile on a gradient. The floor is raised at the height of the profile.



The profile is installed onto masonry and provides a classy attic solution.

The cast screed floor enables a flush finish of the top profile with the floor.

Product Highlights

- Tested fastening mechanism on concrete and steel
- Tested for attics
- Tested for enamelled glass
- Installation with and without cover profile
- Floor connection and building connection profiles available
- Screw required every 200 mm
- Glass heights up to 1300 mm
- Glass width from 300 mm possible
- Aluminium with protective anodised layer
- LED illumination can be integrated

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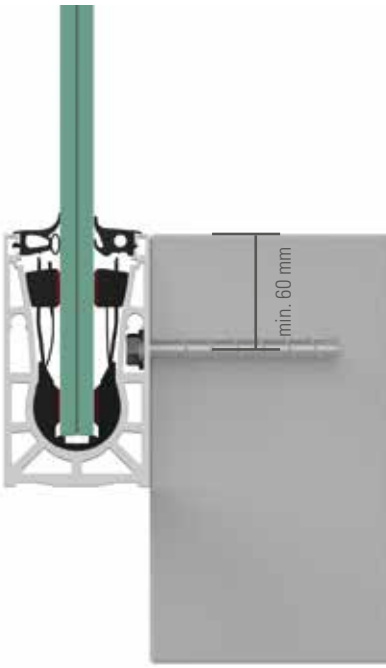
SIDE PROFILE U
FOR SIDE MOUNTING

The Side Profile U is ideal for staircases and landings. The pre-drilled holes every 200 mm, saves valuable installation time. The drill holes can be concealed with the aid of a cover profile.



1kN

AbP geprüftes System

AVIS Technique 2.1/19-1802

BS 6180 proofed system

CTE Código Técnico de la Edificación

Statisch berechnet gemäss DIN18008

NTC UNI 11678-2017

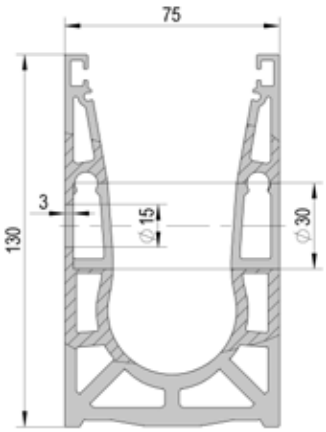
NEN-EN 1991-1-1

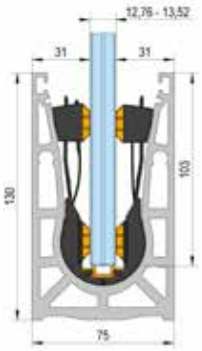
ÖNORM B 3716-3

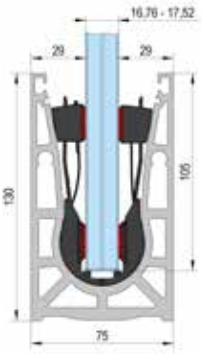
SANS 10160-2 + 10137

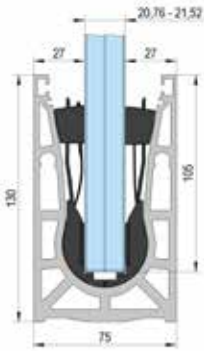
SIA 261 : 2014

VetroMount® Side Profile U









LENGTH	FINISH	DRILL HOLES	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	13	BO 5403009	1 x

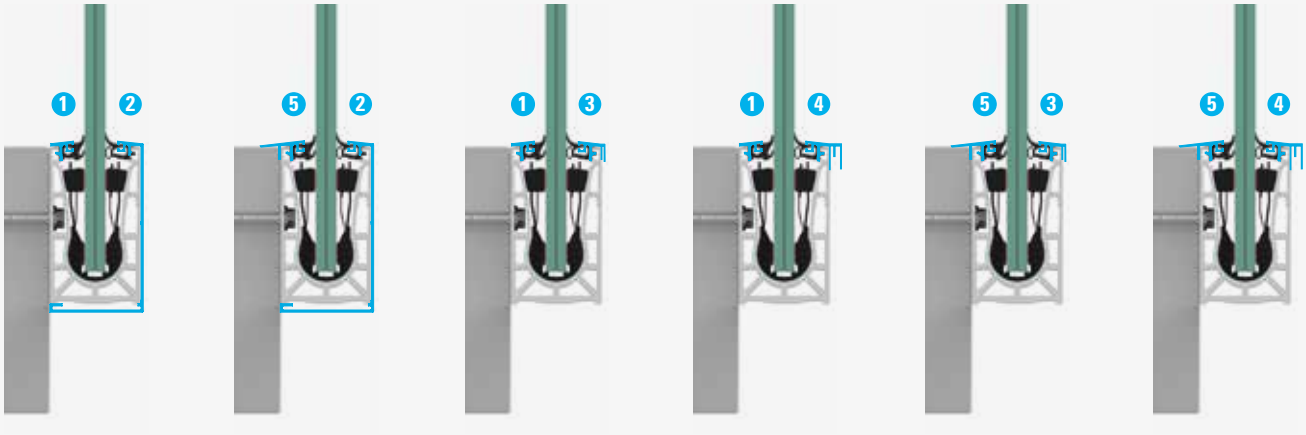
VetroMount® Mounting Set (glass clamping elements/rubber seals)

Glass clamping elements
13 x (2500 mm)
+
2 x rubber seals

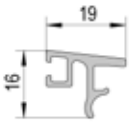
- For the version **with** cover profile
- Narrow rubber profile
- 4 glass clamping elements per metre

PROFILE	12.76 mm	15 mm	16.76 mm	21.52 mm
L = 2500 mm	BO 5403068	BO 5403072	BO 5403074	BO 5403082

Possible combinations for cover profiles / structural connection profile / floor connection profile



VetroMount® Cover Profile, top

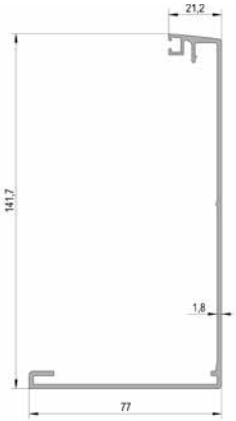


- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403016	1x
2500 mm	Stainless steel look anodised E4/C31	BO 5403017	1x

Available on request

VetroMount® Cover Profile, side

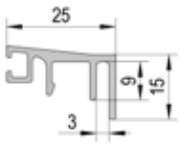


- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403004	1x
2500 mm	Stainless steel look anodised E4/C31	BO 5403005	1x

Available on request

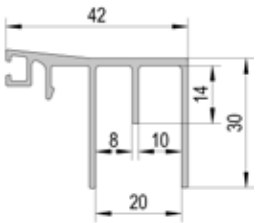
VetroMount® Building Connection Profile



- Opening width 3 mm (e. g. for steel sheet)
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403036	1 x

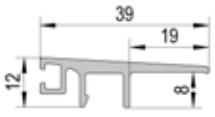


- Opening width 8, 10, 20 mm (e. g. for glass or wood plates)
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403037	1 x

VetroMount® Floor Connection Profile



- For bridging the gap between basic profile and floor
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403038	1 x

For further information on structural and/or floor connection profiles, please see page 34.

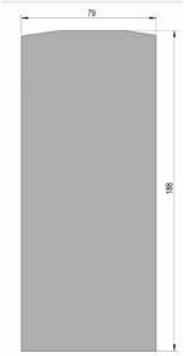
VetroMount® End Cap for Side Profile U with Cover Profile

- For use **with** cover profiles
- Mounting bolts included in set
- Simple attaching and removing of end caps
- Material: aluminium

FINISH	SIDE	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	Left	BO 5403101	1x
Aluminium colour anodised E6/C0	Right	BO 5403103	1x
Stainless steel look anodised E4/C31	Left	BO 5403100	1x
Stainless steel look anodised E4/C31	Right	BO 5403102	1x

Available on request

VetroMount® End Cap Staircase for Side Profile U

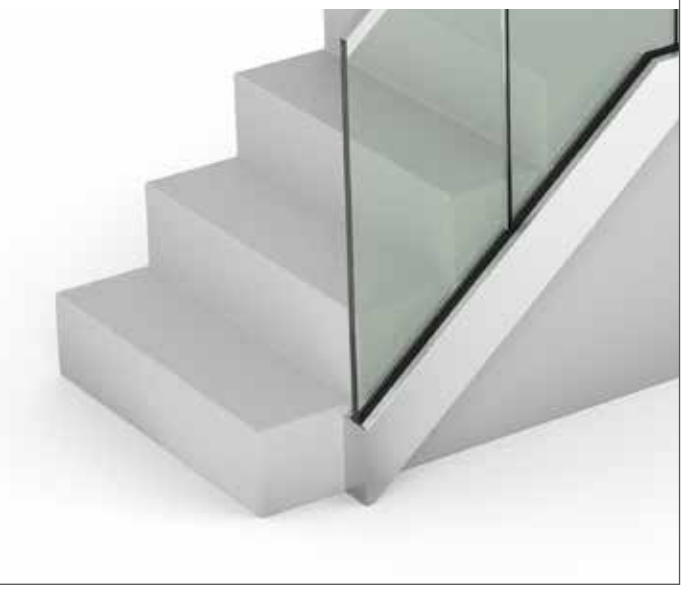


- For use **with** cover profiles
- Can be trimmed individually
- Material: aluminium

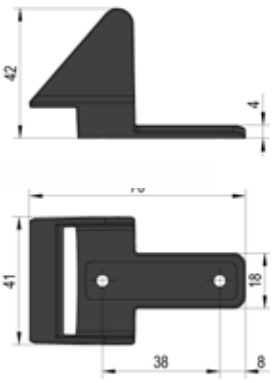
Available on request

FINISH	SIDE	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	Left	BO 5403105	1x
Aluminium colour anodised E6/C0	Right	BO 5403107	1x
Stainless steel look anodised E4/C31	Left	BO 5403104	1x
Stainless steel look anodised E4/C31	Right	BO 5403106	1x

The end caps for staircases are 188 mm high and can be trimmed to size depending on the angle of inclination of the staircase. The end cap must be bonded.



VetroMount® Stoppers for Staircase



- Positioning aid for angled mounting, e. g. for staircases
- Fixing screws included in delivery
- Material: Plastic

ART. NO.	SALES UNIT
BO 5403114	1 x

For safe mounting: The use of stoppers is recommended for staircases and similar applications to provide additional hold to glass panes and prevent them from slipping.

Product Highlights

- Tested fastening mechanism on concrete and steel
- Tested for attics
- Screw required every 200 mm
- Installation with and without cover profile
- Floor connection and building connection profiles available
- Glass heights up to 1300 mm
- Glass width from 300 mm possible
- Aluminium with protective anodised layer
- LED illumination can be integrated

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SIDE PROFILE Y
FOR SIDE MOUNTING

The Side Profile Y is ideally suited for creating a flush finish on the construction edge. The low screw-on point of the profile greatly reduces the workload, which is especially suited for staircases and/or installations in old concrete.

1kN

AbP geprüftes System

BS 6180 proofed system

CTE Código Técnico de la Edificación

Statisch berechnet gemäss DIN18008

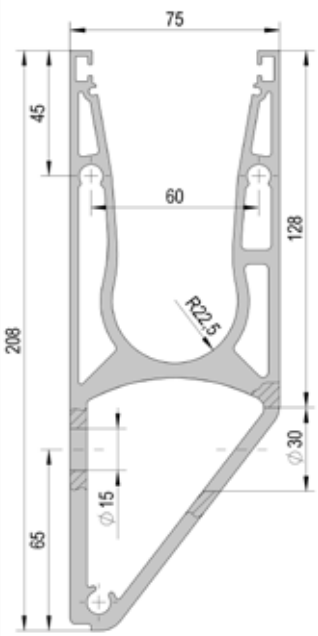
NTC UNI 11678-2017

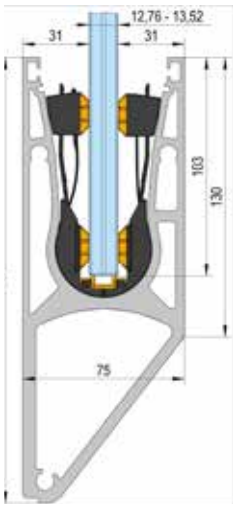
NEN-EN 1991-1-1

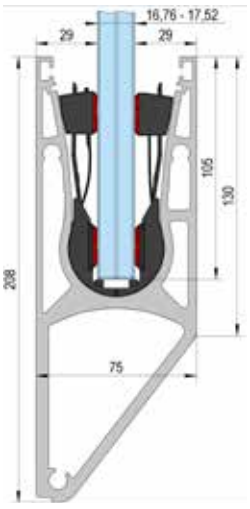
ÖNORM B 3716-3

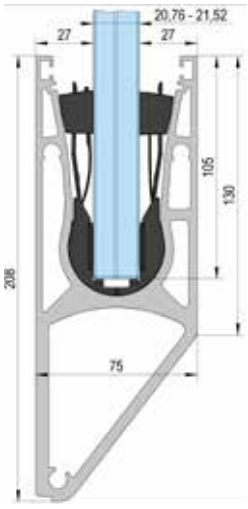
SANS 10160-2 + 10137

VetroMount® Side Profile Y









LENGTH	FINISH	DRILL HOLES	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	13	BO 5403120	1 x

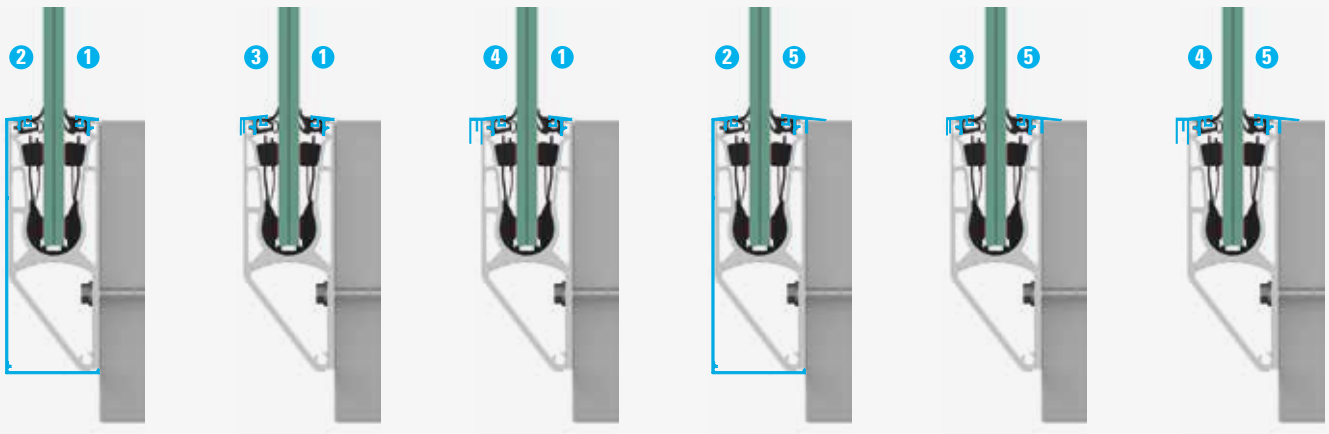
VetroMount® Mounting Set (glass clamping elements/rubber seals)

Glass clamping elements
13 x (2500 mm)
+
2 x rubber seals

- For the version **with** cover profile
- Narrow rubber profile
- 4 glass clamping elements per metre

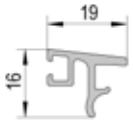
PROFILE	12.76 mm	15 mm	16.76 mm	21.52 mm
L = 2500 mm	BO 5403068	BO 5403072	BO 5403074	BO 5403082

Possible combinations for cover profiles / structural connection profile / floor connection profile



VetroMount® Cover Profile, top

1



- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403016	1x
2500 mm	Stainless steel look anodised E4/C31	BO 5403017	1x

Available on request

VetroMount® Cover Profile, lateral

2

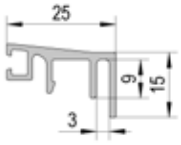
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403122	1x
2500 mm	Stainless steel look anodised E4/C31	BO 5403124	1x

Available on request

VetroMount® Structural Connection Profiles

3

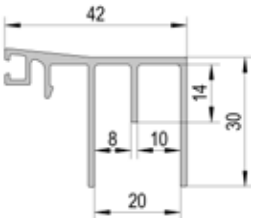


- Opening width 3 mm (e. g. for steel sheet)
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403036	1 x

4



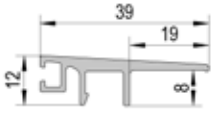
- Opening width 8, 10, 20 mm (e. g. for glass or wood plates)
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403037	1 x

VetroMount® Floor Connection Profile

5



- For bridging the gap between basic profile and floor
- Simple slide-on installation
- The rubber sealing profile is simple to mount
- Powder-coating possible
- Material: aluminium

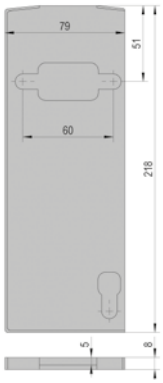
Available on request

LENGTH	FINISH	ART. NO.	SALES UNIT
2500 mm	Aluminium colour anodised E6/C0	BO 5403038	1 x

For further information on structural and/or floor connection profiles, please see page 34.

VetroMount® End Cap for Side Profiles with Cover Profile

Fig.: right end cap



- For use **with** cover profiles
- Mounting bolts included in set
- Simple attaching and removing of end caps
- Material: aluminium

FINISH	SIDE	ART. NO.	SALES UNIT
Aluminium colour anodised E6/C0	Left	BO 5403126	1x
Aluminium colour anodised E6/C0	Right	BO 5403128	1x
Stainless steel look anodised E4/C31	Left	BO 5403127	1x
Stainless steel look anodised E4/C31	Right	BO 5403129	1x

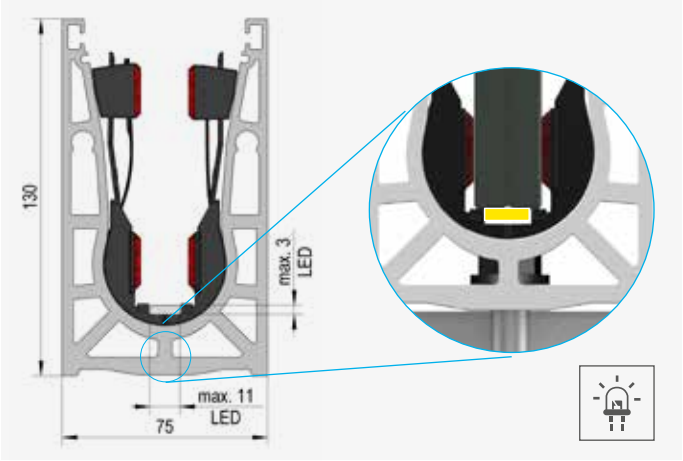
Available on request

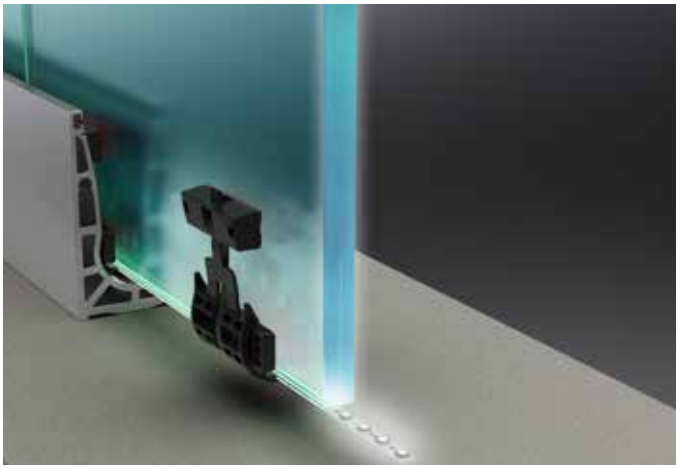
The end caps are conveniently attached with the aid of pins supplied with the set and offer a firm hold. No screwing or bonding required for fastening the end cap. Thanks to the plug-in system, the end caps can be loosened as quickly as they can be fastened.

LED-ILLUMINATION

Can the LEDs be integrated into the profile?

Yes, they can be inserted into the corresponding groove in the glass clamping elements. For glass thicknesses between 16.76 and 21.76 mm, the suitable LED strips must have maximum dimensions of 3 x 11 mm (H x W) and 3 x 8 mm (H x W) for glass thicknesses between 12.76 and 13.25 mm. The strips must be suitable for exterior application.





ACCESSORIES

VetroMount® Mounting Aid

The mounting aid facilitates fixing the glass clamping elements. By tapping with a hammer on the marked spot, the lower clamping wedge is pressed to the right and subsequently safely fixes the glass pane in place. The mounting aid is also used for disassembly.

- For fixing and releasing the lower clamping wedges
- For all profiles

MATERIAL	ART. NO.	SALES UNIT
Steel	BO 5403116	1 x

VetroMount® VetroMount® Rubber Spacers for Glass Panels

Available on request

- Good ageing, weathering and ozone resistance
- One side self-adhesive
- For all profiles

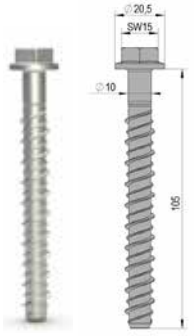
WIDTH	12.76 - 13.52 mm	16.76 - 17.52 mm	20.76 - 21.52 mm	LENGTH
5 mm	BO 5403024	BO 5403026	BO 5403028	1000 mm
10 mm	BO 5403025	BO 5403027	BO 5403029	1000 mm

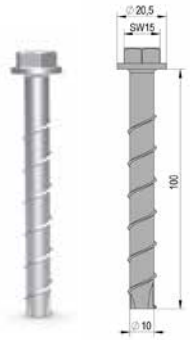
VetroMount® Connecting Pins for Basic Profile

- Complies with DIN 1481
- Diameter 8 mm
- For all profiles

LENGTH	ART. NO.	SALES UNIT
50 mm	BO 5403113	2 x

Concrete Screws





- Drill diameter 10 mm
- Hexagon head (size15)
- For fastening in concrete
- ETA approval
- For all profiles

Available on request

TYPE	ART. NO.	SALES UNIT
Hilti HUS3-H (V4A)	SA 5211161	25 x
Hilti HUS-HR (zinc-plated steel)	SA 5211160	1 x

VetroMount® Glass clamping elements

Available on request

- Sales unit: 13 glass clamping elements for 2500 mm profiles

12.76 mm	13.52 mm	15 mm	16.76 mm	17.52 mm	20.76 mm	21.52 mm
BO 5403060	BO 5403061	BO 5403062	BO 5403063	BO 5403064	BO 5403066	BO 5403067

VetroMount® Rubber Seals

Available on request

- For the version **with** cover profile
- Narrow rubber profile

LENGTH	12.76 mm - 13.52 mm	16.76 mm - 17.52 mm	20.76 mm - 21.52 mm
2500 mm	BO 5403150	BO 5403152	BO 5403154
5000 mm	BO 5403051	BO 5403153	BO 5403155

Available on request

- For the version **without** cover profile
- Wide rubber profile

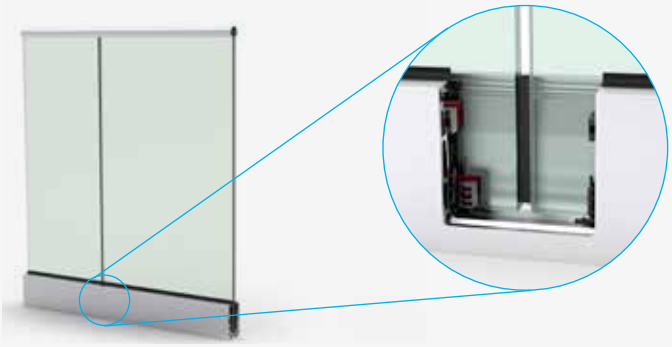
LENGTH	12.76 mm - 13.52 mm	16.76 mm - 17.52 mm	20.76 mm - 21.52 mm
2500 mm	BO 5403050	BO 5403052	BO 5403054
5000 mm	BO 5403051	BO 5403053	BO 5403055

VETROMOUNT® ACCESSORIES

Which accessories are available for closing the mounting holes in the side mount profiles?

We recommend cladding with a cover profile to achieve a more high-quality visual appearance. Blanking plugs do not form part of the product range.

Are there spacers between the individual glass panes?



Yes. Our rubber spacers are available 1 m long and 5 or 10 mm thick matching the different glass thicknesses.
These can be cut into shorter pieces (approx. 3 cm), as needed. They are adhesive on one side and are positioned between the glass panes and flush to the upper sealing profile edge. In this way, they serve as spacers and sealing profile between the glass panes at the same time.

DRAINAGE

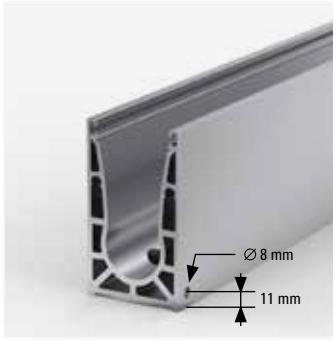
In exterior fit-out applications, rain or snowfall can lead to water accumulation on balconies or terraces. This can be avoided by integrating intermediate connectors for drainage purposes. A groove at the bottom enables draining the water in a quick and targeted manner and thus prevents waterlogging. The tested safety of the system is maintained. The intermediate connectors (BO 5403020 - 23) for drainage purposes are suited for the Floor Profile U for top mounting – they can be inserted in between two profiles with the aid of connecting pins (BO 5403113).

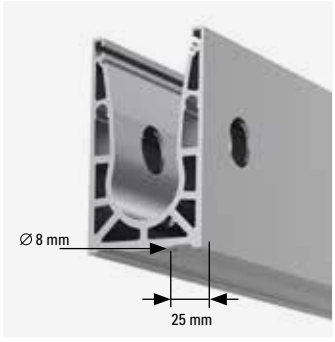
BO 5403020

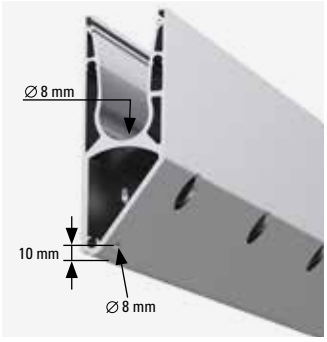
BO 5403021

BO 5403022
BO 5403023

Drainage holes with a diameter of 8 mm for guiding the water out of the profile must be drilled on site.

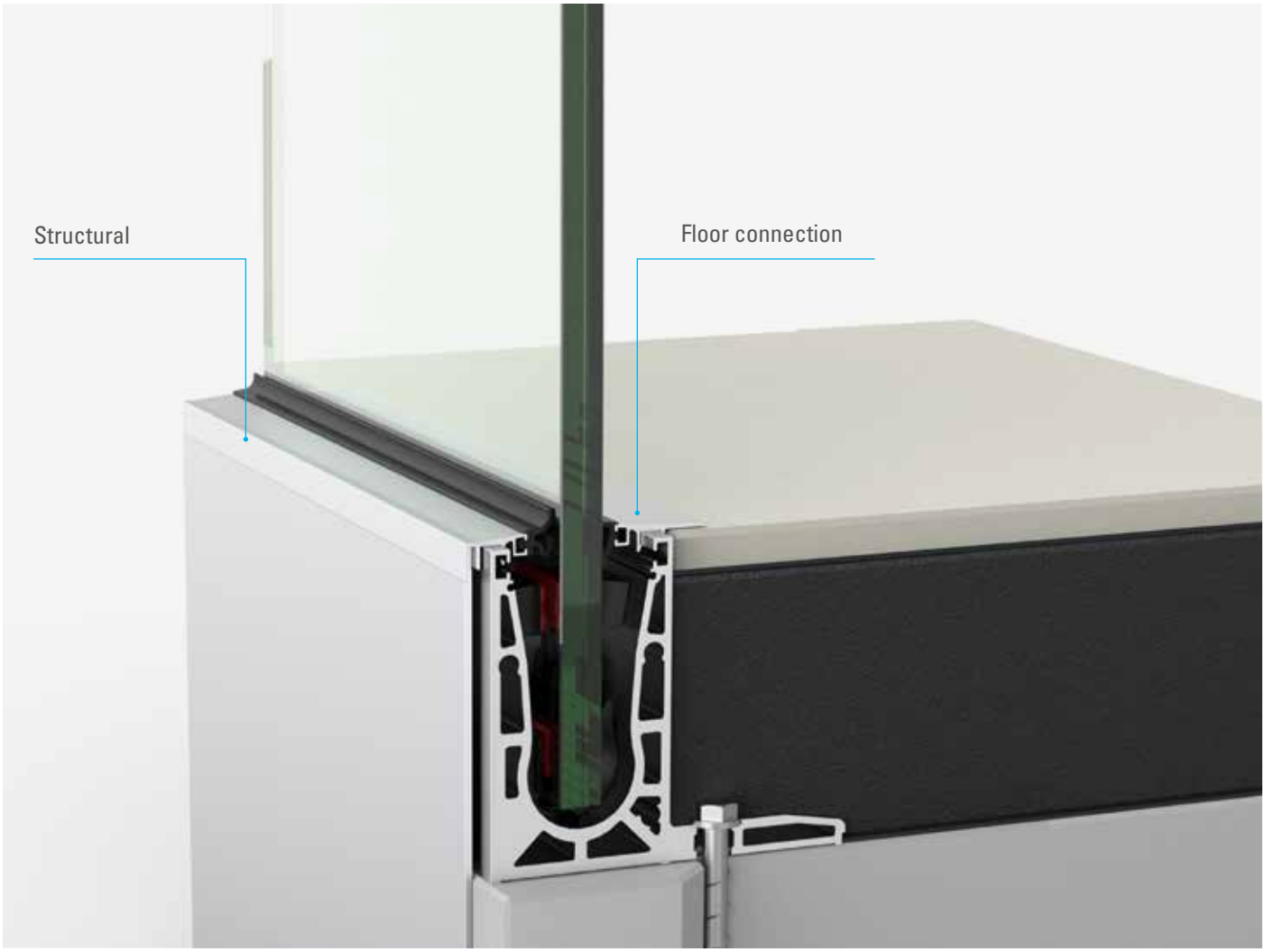


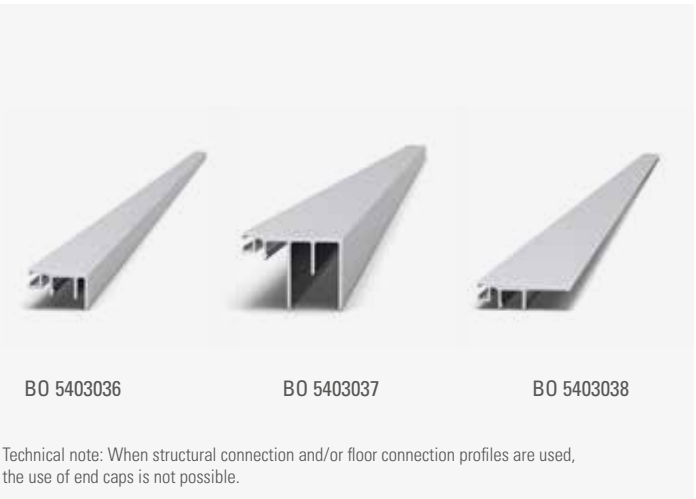




STRUCTURAL CONNECTION AND FLOOR CONNECTION PROFILES

As one installation is not like another, an individual solution is what counts. While the Floor Connection Profile enables an optimum transition between the profile and the floor structure, structural connection profiles offer elegant cladding options. Different opening widths of 3, 8, 10 and 20 mm allow for the use of steel sheets as well as glass or wood plates. Thanks to their simple slide-on installation, the profiles can be mounted easily and emphasize the high-quality appearance of the balustrade.





BO 5403036 BO 5403037 BO 5403038

Technical note: When structural connection and/or floor connection profiles are used, the use of end caps is not possible.

ASSEMBLY

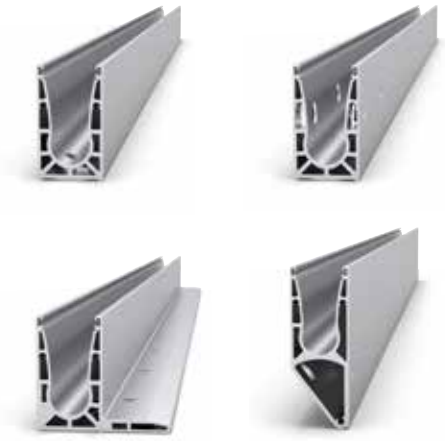
How many mounting holes are pre-drilled in each profile?	The 2500 mm profiles have 12 drill holes, the 5000 mm profiles have 24 drill holes. The number of drill holes is the same for all profile variants.
Must screws of a particular brand (Hilti, Fischer, etc.) be used for fixing?	Bohle has carried out all tests with screws of the HILTI brand. These screws serve for reference purposes only and can be replaced by other equivalent products/manufacturers, if they have at least the same extraction forces as the screws mentioned in the test report. The respective manufacturer is happy to assist.
In which cases is a handrail required?	Whether a handrail is required or not is determined by the corresponding building regulations of the respective countries. In Germany, a handrail is required (exception: glass with SGP film), for example, but in South Africa it is not. Please refer to the necessary building regulations and requirements for your particular installation.
My customer spontaneously decided on a cover profile. Are the rubber seals available separately or by the metre?	The rubber seals included in the VetroMount® mounting sets are also available separately, granting you more flexibility to comply with your customer´s demands. This allows you to respond quickly in case of change requests. In addition, our glass clamping element sets, including 13 glass clamping elements, are available without rubber seal.
How do I trim the base and covers profiles for use in a 90° corner?	In general, both profiles must be mitre cut. Corner connectors are currently not available.
Which surface finishes are available for the profile and is a powder coating possible?	All VetroMount® profiles are exclusively available in aluminium anodised E6/C0. In addition, the cover profiles are available in stainless steel look.
Which linear expansions can be expected in case of temperature fluctuations?	Please contact your customer service representative.

COMPREHENSIVELY CERTIFIED

For a glass balustrade system to call itself "tested", it must fulfil numerous requirements, which, among others, can be taken from DIN 18008-4 "Glass in Building - Design and construction rules". Part 4 of this standard particularly deals with additional requirements for fall protection glazing. They include, for example, permissible glass types, cut-outs, drill holes or types of storage.
The certification process is regulated on a national level. BS 6180 applies for Great Britain, the General Building Inspection Test Certificate (AbP) for Germany, and the Avis Technique for France, to name only three of the available certifications. VetroMount® has been thoroughly tested under the official supervision of an independent testing authority. The system is therefore certified for the following applications:

Floor Profile U and Side Profile U
- Fastening on concrete
- Fastening on steel
- For use as attic solution from a height of 400 mm
- Enamelled glass can be used, e. g. as visual protection or sunscreen

Floor Profile F and Side Profile Y
- Fastening on concrete
- Fastening on steel
- For use as attic solution from a height of 400 mm



AbP geprüftes System | AVIS Technique 2.1/19-1802 | BS 6180 proofed system | CTE Código Técnico de la Edificación | Statisch berechnet gemäss DIN18008 | N T C U N I 11678-2017 | NEN-EN 1991-1-1 | ÖNORM B 3716-3 | SANS 10160-2 + 10137 | SIA 261 : 2014

STRUCTURAL ANALYSIS AVAILABLE

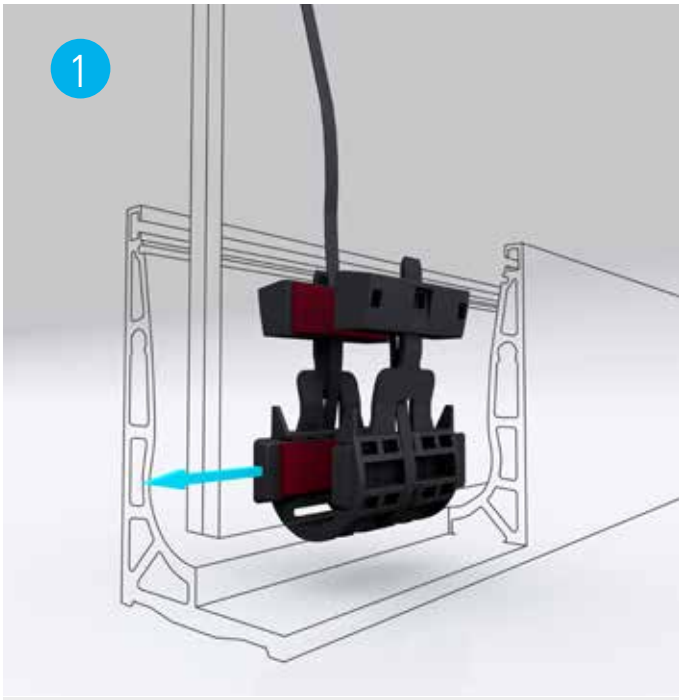
The General Building Inspection Test Certificate contains requirements especially for impacts against the glass panes of an all-glass balustrade. In addition, a structural calculation is necessary for the purpose of testing the glass balustrade with respect to design, construction, material or loads. A so-called structural analysis is already available for many VetroMount® applications. Contact us – we are happy to assist you with your building project.

TESTED SAFETY

Which certifications are available?	VetroMount® has been tested and certified for a minimum glass height of 400 mm and a maximum height of 1300 mm. Smaller panes can be used from a width of 300 mm. There is no limitation to glass length. In addition, all profiles have been tested both on concrete and on steel. Enamelled glass can be used in the Floor and Side Profile U.
Is a structural examination for mounting on wood available?	When mounting on wood, this structural analysis can be used as a calculation basis. The structural engineers in charge may, however, require a comparative substrate test.
Which is the maximum glass height to be installed? Are there any limitations as far as the glass width is concerned?	VetroMount® has been tested and certified for a minimum glass height of 400 mm and a maximum height of 1300 mm. Smaller panes can be used from a width of 300 mm. There is no limitation to glass length.
Which mounting hardware should be used for substrates other than concrete (e. g. wood or brick)?	Depending on the substructure, the mounting hardware must have at least the same extraction forces as the screws tested by us, if they are used on non-tested substrates. For details, please see the Technical Data Sheet at www.bohle.com.
Can VetroMount® be installed in swimming pools with chlorinated or sea water?	Yes, thanks to its 25 µm anodised layer, VetroMount® withstands chlorinated water.
May the profile be underpinned or raised for drainage purposes?	If the HILTI screws mentioned in the test report are used, add-on parts with a maximum thickness of approx. 10 mm are permissible. Everything beyond this limit will require an additional structural analysis.

EASY DISASSEMBLY

If a glass pane needs to be exchanged, an intelligent release mechanism enables simple disassembly.



Push the lower clamping wedge to the left to release the pane. The easiest way to do this is by using the mounting aid on page 28.

Use a screwdriver to release the detent mechanism and loosen the upper tensioning wedge.

Now pull the tensioning wedge upwards and take out the glass pane.

Please watch our disassembly video.

BOHLE –
OUR SERVICE TO YOU

VetroMount® offers the appropriate application depending on the installation. We make planning and mounting as easy as can be for you – by compiling the suitable profile, the corresponding mounting sets and, if required, the appropriate accessories for you. A simple sketch sent by e-mail or fax or a call are enough to quickly and easily find a customised solution for you.

© TROCKLAND

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We manage large commercial construction projects as a team: Our expert team members come from the following areas: development and technical support/product management, customer service, as well as our structural analysis office or the testing authority. This expert team accompanies a building project from the early planning stage up to completion. In this way, we are able to quickly offer suitable professional solutions for different structural requirements and individual desires.

SHOWROOM AND TRAINING SUITE

Our Showroom and Training Suite at our Randburg Head Office is open to customers for drop-ins or to make an appointment, please contact your Sales Representative.

ALL INFORMATION AVAILABLE ONLINE

You will find further information about VetroMount® at www.bohle.com. There you will find, among other things, test certificates, technical drawings, mounting instructions and installation videos.

The possibilities with VetroMount® are endless...

Many other products in different lengths or surfaces are available on request!

SINGLE POINT FIXINGS

Single Point Fixing Ø45mm

WALL DISTANCE · MATERIAL · GLASS THICKNESS	ART. NO.
30 mm · stainless steel 304 · 10 - 13.52 mm	**SA 5214026**

Adjustment range wall distance	0 - 8 mm
Drill hole in glass	ø 18 mm

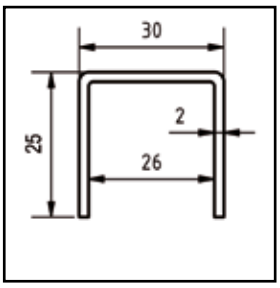
Use a minimum of 4 fittings, depending on glass dimensions, Max glass width 1250mm, for toughened and laminated safety glass, Body Diameter ø45mm, Head thickness 8mm, Includes M12 Threaded rod and Nut, Finish Brushed,

HANDRAILS

Handrail Square

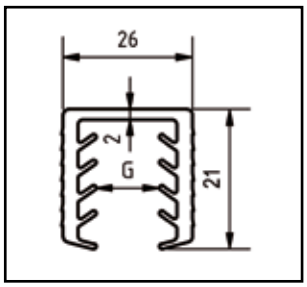
MATERIAL	ART. NO.
stainless steel 304 SSS	SA 5213253

Length	3000mm



Rubber Profile

LENGTH	ART. NO.
4000 mm	SA 5215254

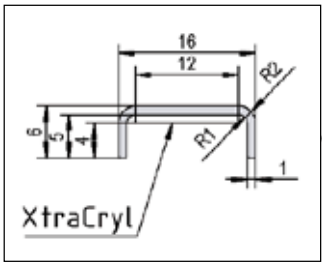


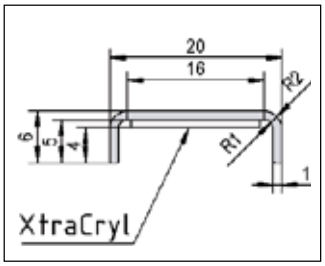
Glass edge protecting profile, self-adhesive

FOR GLASS THICKNESS	ART. NO.
12.76 - 13.52 mm	BO 5403001
16.76 - 17.52 mm	BO 5403002
20.76 - 21.52 mm	BO 5403003

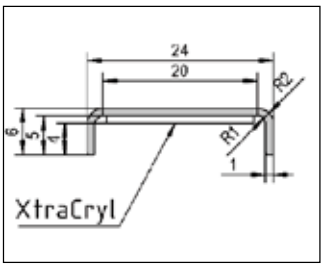
Available on request

Material	stainless steel V4A





Self-adhesive



Handrail Support

MATERIAL	ART. NO.
stainless steel 304	SA 5215280

Finish	Brushed

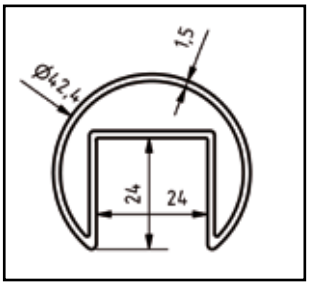
Through Glass Handrail support for Ø38-42mm Tube, Drill hole in glass 12mm

Handrail Round

Available on request

MATERIAL	ART. NO.
stainless steel V2A	BO 5215248
stainless steel V4A	BO 5215249

ø	42.4 mm
Material thickness	1.5 mm
Inside	24 mm
Length	6000 mm



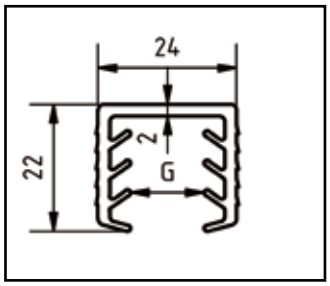
Please use the following profiles with this handrail: BO 5215250 - BO 5215252

Rubber Profile

Available on request

GLASS THICKNESS	ART. NO.
11.5 - 13.5 mm	BO 5215250
16 - 17.5 mm	BO 5215251
20 - 21.5 mm	BO 5215252

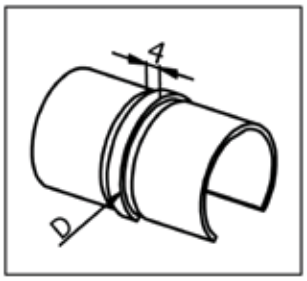
Length	6000 mm



Tube Connector straight

Available on request

MATERIAL	ART. NO.
stainless steel V2A	BO 5215261
stainless steel V4A	BO 5215262

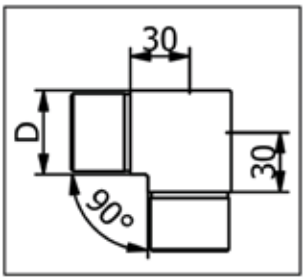


Can be bonded with anaerobic adhesive

Tube Connector 90° Corner

Available on request

MATERIAL	ART. NO.
stainless steel V2A	BO 5215265
stainless steel V4A	BO 5215266

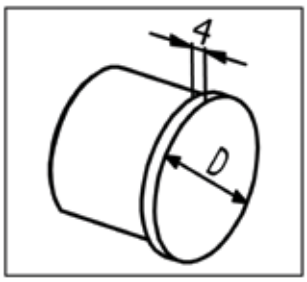


Can be bonded with anaerobic adhesive

End Cap flat

Available on request

MATERIAL	ART. NO.
stainless steel V2A	BO 5215263
stainless steel V4A	BO 5215264



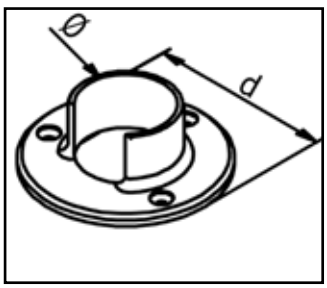
Can be bonded with anaerobic adhesive

Wall Connector

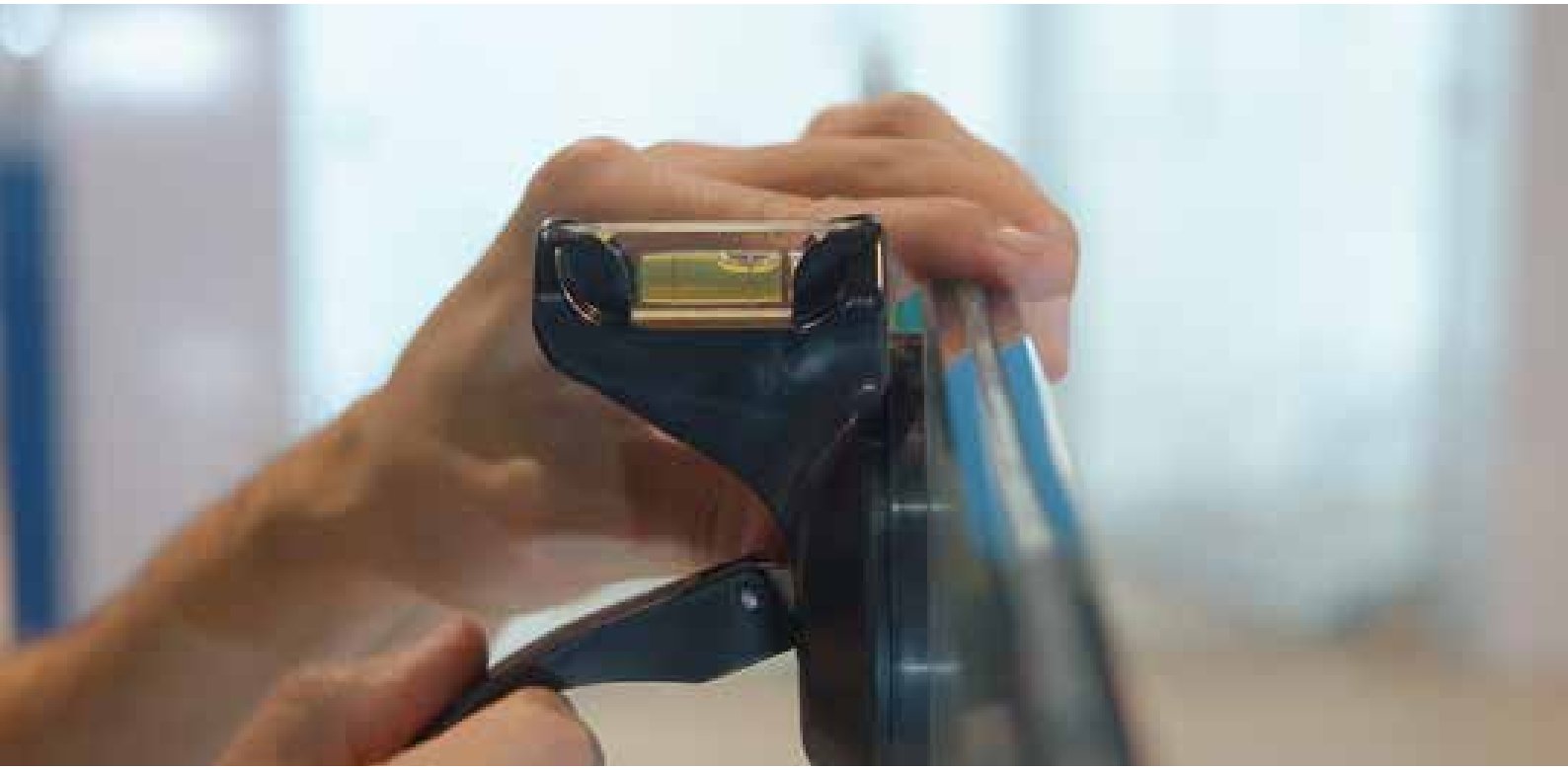
Available on request

FOR · SIZE · MATERIAL	ART. NO.
BO 5215248 · ø 42.4 mm · stainless steel (V2A)	BO 5215278
BO 5215249 · ø 42.4 mm · stainless steel (V4A)	BO 5215279

d	90 mm



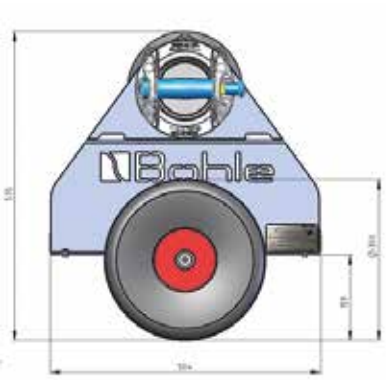
HANDLING



Veribor® Trolley with suction lifter

The portable and highly manoeuvrable mounting aid for interior and exterior applications greatly facilitates handling gastight materials such as, for example, glass panes or flagstones, and is a true all-rounder. Thanks to the integrated Veribor suction lifter, the load is safely attached even on rough terrain. Trolley comes with two tension belts for increased transport safety which are even suitable for transporting gas permeable materials. In addition, a notch in the plate enables transporting windows.

	ART. NO.
	BO 680.0
Load capacity	300 kg



Height 575 mm · Width 410 mm · Load capacity up to 300 kg · Minimum thickness of transported goods 3 mm · Maximum height of transported goods 2000 mm · Maximum length of transported goods 3000 mm

VetroLevel Fixing aid with integrated spirit level

VetroLevel enables the quick horizontal positioning of glass panes. Fasten the little helper in a way that you can keep an eye on it during installation. The proven vacuum technology of the Veribor® suction pad holds it safely in place. Now you have both hands free to comfortably align the glass pane without the need for a spirit level. VetroLevel therefore ideally supports the installation of VetroMount® and is also perfectly suited for mounting all-glass showers or partition walls.

	ART. NO.
	BO 5140450
Suction pad	ø 90 mm

Veribor® suction pad can be attached to all smooth and gastight surfaces

Veribor® pump-activated suction lifter made of plastic in Carrying Case

The Veribor®pump-activated suction lifter BO 601G is a real design highlight – with regards to both appearance and comfort. It is equipped with a vacuum indicator clearly visible from a distance, as well as with numerous functional details. Thanks to the high-quality pump mechanism, the vacuum can be generated especially quickly. On the other hand, the optimised valve button enables a faster ventilation to release the vacuum. As a result, the vacuum lifter can be attached better to the material and loosened quicker after use. An elevated gripping area enables highest carrying comfort. In addition, a plastic ring above the rubber pad provides additional stability and safety. The BO 601G pump-activated suction lifter is suited for heavy loads up to 120 kg and can be used on all materials and objects with gastight surfaces. · The high quality of this product has been confirmed by TÜV (German Technical Inspection Agency) by granting it the GS sign.

DESCRIPTION	ART. NO.
Veribor® pump-activated suction lifter	BO 601G
Spare tappet	BO 601G.P
Spare valve housing	BO 601G.V
Spare case	BO 601G.C
Spare suction pad incl. protective cover	BO 614.01G
Load capacity	120 kg
Lifting direction	parallel
Material of Suction Lifter	plastic
Suction pad	ø 213 mmV

Veribor® 2-cup suction lifter made of plastic

Safe grip and highest carrying comfort. The Veribor® 2-cup suction lifter convinces due to its large, non-slip gripping area and lies perfectly in your hand. The levers have an ergonomic and user-friendly design. Their wide surface enables optimum force absorption. The high-quality, PAH-free rubber pads in proven Bohle quality are a positive development from previous models. They are dimensionally stable but still soft enough to adapt to the surface during vacuum generation. The 2-cup suction lifter is suited for loads of up to 50 kg (two-fold safety factor) and can be used for all materials and objects with gastight surfaces.

DESCRIPTION	ART. NO.
Standard version	BO 602.1G
stainless design	BO 602.11G
Spare rubber pad set	BO 614.2G
Load capacity	50 kg
Lifting direction	parallel
Material of Suction Lifter	plastic
Suction pad	ø 120 mm

ABOUT BOHLE

Bohle Group has its roots in the world of glass. Looking back on an almost 100-year history, Bohle – being a developer, manufacturer and supplier of glass balustrades, sliding door applications, shower door hardware, and products for all glass processing. Today, the family company, founded in 1923 as one-man business, is represented at 15 locations in Germany and abroad with almost 400 employees. Quality is the leading principle at Bohle – in every area. The company lives up to this principle, for example by developing and manufacturing a large part of its products in-house in Germany.

KEY

rail load: 1 kilonewton

Basic profile without cover, structural connection and/or floor connection profiles

Basic profile with cover, structural connection and/or floor connection profiles

Profile drainage possible

Optional integration of LED illumination

Suitable for staircases

AbP geprüftes System

The General Building Inspection Test Certificate (AbP) is a proof of usability for non-regulated construction products and construction types according to the regional building regulations of the German federal states. Pursuant to the building and safety regulations, only products with a General Building Inspection Test Certificate must be used in construction.

BS 6180 proofed system

The British Standard, issued by the British Standards Institution, BSI, includes the use of barriers and guardrails. This also comprises, among other things, the minimum heights and load limits laid down in building regulations and the BS 6180 standard.

Statisch berechnet gemäss DIN18008

Apart from the General Building Inspection Test Certificate, a structural calculation is required testing the glass balustrade, among other things, with respect to design, construction, material or loads. A so-called structural analysis is already available for many VetroMount® applications.

NEN-EN 1991-1-1

In the Netherlands, an inspection of balustrade systems according to NEN-EN 1991-1-1 is required. This inspection also includes a test of general actions on structures – density, self-weight, and imposed loads for buildings.

SANS 10160-2 + 10137

The South African inspection procedure is aligned to the German General Building Inspection Test Certificate (AbP). During the testing process, the dynamic load is evaluated with the aid of a pendulum test.

AVIS Technique 2.1/19-1802

The French test certificate is issued by the Centre Scientifique et Technique du Bâtiment (CSTB). This inspection authority is a technical and scientific institution inspecting the degree of safety and quality of innovative construction technologies.

CTE Código Técnico de la Edificación

The technical building regulations of Spain (Código Técnico de la Edificación) regulate the safety and habitability of buildings according to the Spanish Building Act.

NTC UNI 11678-2017

The Italian test procedure for fall protections made of glass inspects, among other things, the resistance to linear static loads, dynamic loads and overloads.

ÖNORM B 3716-3

The Austrian standard evaluates the fall protection effect of a parapet glazing fastened to the lower glass edge. Part three in particular deals with vertical glazing and the fall protection function.

SIA 261 : 2014

The Swiss SIA standards 261:2014, 358:2010 and 261:2003 regulate the current state of the art for fall protections. They can be found in many building regulations.

All certificates are available online at: www.bohle.com

This catalogue and all descriptions and technical notes and explanations contained therein have been compiled to the best of our knowledge. However, we will not assume any warranty for printing mistakes and for the topicality of the contents. Construction images serve for illustration purposes only. The implementation of a building project is subject to the applicable provisions and building regulations of the respective country. In addition, this catalogue is protected by copyright. The further use of these contents is not permitted without the written confirmation of Bohle AG.

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