

Catalogue Profile systems 2025



A glass balustrade provides a light and spacious effect and is a surprising and stylish element in a design.

The Cath - Utrecht

SPARQ Balustrades, nice to meet you

SPARQ is the specialist in design and installation of full-glass balustrades. Top quality, innovation, sustainability and aesthetically pleasing are central to SPARQ Balustrades.

Thanks to almost 25 years of experience and the realization of a wide variety of projects, we know how the systems are applied in practice. Thanks to practical knowledge, we make innovations that lead to more speed, efficiency and ease of use in every situation. This knowledge is now freely available through the SPARQ products for you to apply in your projects.

We are of course at your disposal to support you in detailing, configuring your glass balustrade and, if necessary, producing our products customized for your project.

The full-glass balustrade systems of SPARQ are designed for high strength and stiffness and the application of glass thicknesses greater than you are used to. This means that our systems can handle higher wind loads. On the other hand, this offers the architect a greater degree of design freedom and the opportunity to make complex details technically feasible.

LOOK FURTHER...

Advice from the specialist

Looking for advice and support? Our specialists are ready to help you. Please feel free to contact us.

Individual components or completely customized

We can supply you as you wish. From individual profiles to complete custom projects including glass so that all you have to do is the installation.

Circular

Based on external research, our systems can be classified as fully circular. Shadow costs are therefore limited as much as possible and we can provide our balustrades with a material passport.

Slightly different

The SPARQ balustrade products have been developed by project specialists. Fully focused on being able to carry out (large) projects quickly and without problems

Patented

The unique and innovative character of our products has been awarded a patent.

Contact details

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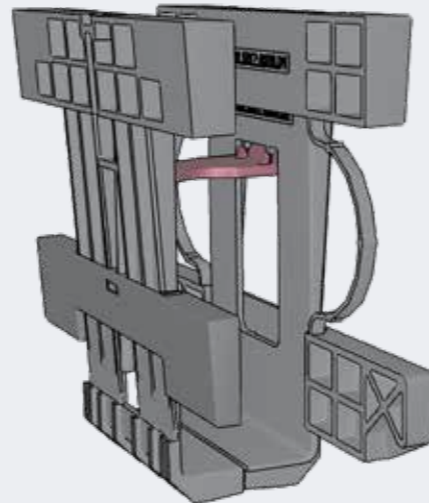


Quick installation

Fast, reliable and problem-free

SPARQ is the project partner in design and implementation when it comes to (balusterfree) full-glass-balustrades. SPARQ profiles have been developed by project specialists with extensive experience in the preparation and installation of balustrade projects. A system that can be installed quickly and easily is therefore guaranteed.

The profiles are stiffer than average, making them easy to install in straight lines. This means that a tightly aligned balustrade can be achieved without much effort. In addition, we have designed extensive tooling to further simplify installation.



Download your installation manuals via the QR code.



Scan the QR code and watch the assembly videos on our YouTube channel.

Extra thick glass

Profiles designed for high stability and stiffness

In the development of our SPARQ glass balustrade systems, we focused on designs that can handle high wind loads. Depending on the chosen profile, our systems can support loads of up to 2 kN line load. Therefore, the profiles have high stability and stiffness. This offers a greater degree of design freedom and the ability to make complex details technically possible.

In addition, the maximum applicable glass thickness is greater than usual in the market (up to 12.12.4 / 25.52 mm). This means we offer a good solution for many balustrade applications on buildings where wind load is the determining factor. This obviously applies to coastal areas, but also to many buildings further inland.



Test reports and certificates

The highest standards and quality requirements



SPARQ's balustrades have been extensively tested and calculated. Our products appear to meet the highest standards and quality requirements time after time.

Tested, calculated and certified by:



The Netherlands	Calculated by Consultancy firm Brekelmans cfr. EN-1990/1991/1993/1999	Tested by LGA cfr. NEN-EN 1991-1-1	CE certificated cfr. EN-1090
Belgium	Tested by LGA cfr. NEN-EN 1991-1-1	tested by U-Gent cfr. NBN B03-004	CE certificated cfr. EN-1090
Germany, Austria	Calculated by Consultancy firm Brekelmans cfr. EN-1990/ 1991/ 1993/ 1999	AbP certificat by LGA	CE certificated cfr. EN-1090
Switzerland	Tested by LGA cfr. SIA 2057		CE certificated cfr. EN-1090
United Kingdom	Tested by STS cfr. BS6180		CE certificated cfr. EN-1090

Wind loads

Wind load from the 5th floor is decisive

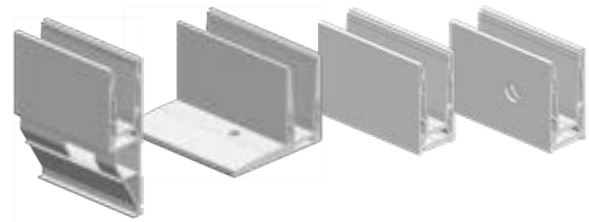


Glass balustrade systems that are not designed for wind loads pose a substantial risk during increasingly frequent storms. Many are not designed to withstand loads greater than the applicable operating load. However, wind loads on glass balustrades are the determining load in many outdoor applications.

The wind load on a building with 5 floors is the standard for all floors! SPARQ solutions guarantee a suitable solution!



SELECTION AID SPARQ BALUSTRADE SYSTEMS

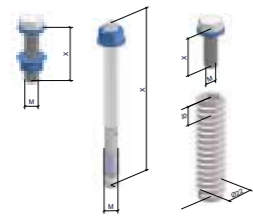


1

From chapter 1-4 you choose the most suitable glass profile for your specific situation. The choice depends on the detail, the desired appearance and the architectural surface.

Is it impossible to mount the profile directly to the structure? In Chapter 6 you will find various consoles to overcome this problem.

2

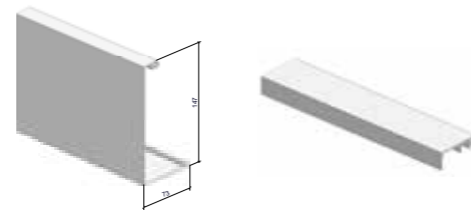


3

With steps 1 and 2 you have worked out your detail and installation method. You can then choose the right anchors to match the profile and the surface. These are organized per profile in chapter 1-4.

The SPARQ profiles can be finished in different ways. Specific cover caps are available for the side-mounting profiles. You will find these organized under the relevant profiles in chapter 2 and 4. In addition, the profiles can be finished with various topcover or floor-connect profiles. You can choose these in chapter 7.

4



5

The glass profiles can be combined with different glass laminates. You can make choices for this in Chapter 8. Glass panels are available in both toughened laminated and laminated applications and can be laminated with different types of foil. The applicability of different glass thicknesses allows variations in strength.

Once the glass thickness is known, you can choose the glass carrier and rubbers to be used. These are specific to the glass thickness. Depending on your detail and desired appearance, you can choose different rubber types.

6



7

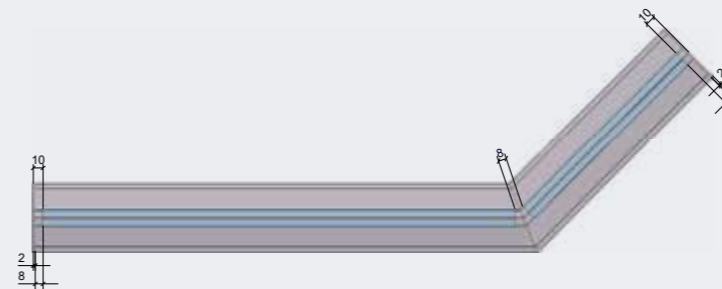
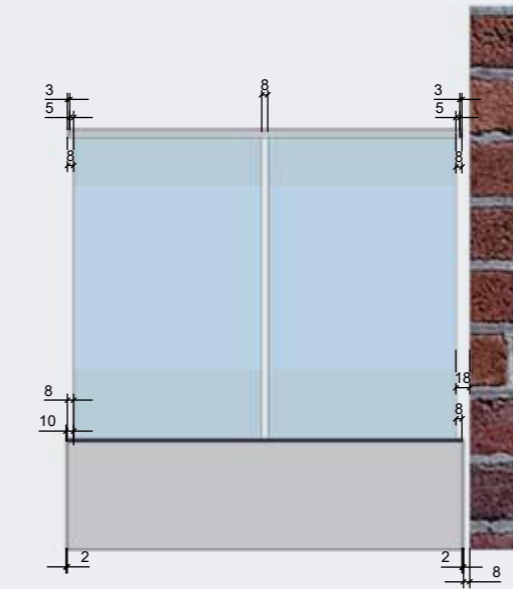
If desired, you can finish your glass balustrade with a hand rail over the glass. Various design variants are available in chapter 10, in aluminum and stainless steel.

Once you have chosen all the parts for your balustrade, all you have to do is install them. To facilitate that process, we have developed various tools and resources. You complete your order in chapter 11.

8



STANDARD DETAILS



SPECIFICATIONS AND APPLICATIONS



Circular



Wind load



Modular solution



Water drainage solution in the profile



Drainage solution available



Static calculations available



Connector applicable



Spacer system applicable



Glass support system applicable



Cover cap applicable



Profile dimensions



Glass thickness



Profile attachment

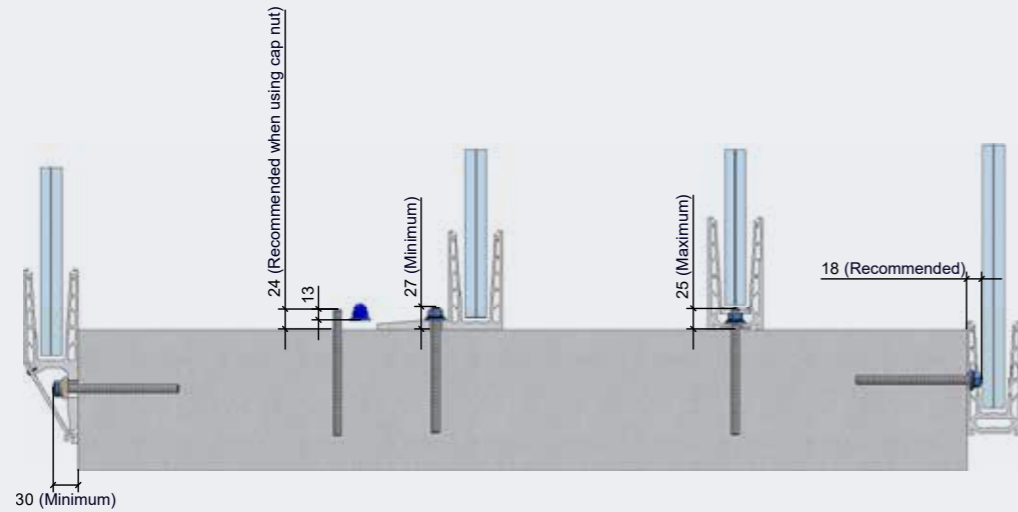


Available in any RAL-color of your choice



Prefabricated to custom size available

1kN ADVICE MATRIX ANCHORING SPARQ BALUSTRADES
1KN PROFILES



For further specifications regarding the required concrete quality and edge distance, see the relevant calculation report.

SUBSURFACE STEEL	1kN - 1,20 m' high		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside
	8.8 EV	RVS A4-70	8.8 EV	RVS A4-70
U-Line Top	M12x50	M12x50	M12x50	M12x50
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm
U-Line Zij	M12x40	M12x40	M12x40	M12x40
	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
V-Line	M10x50	M10x50	M10x50	M10x50
	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
Y-Line	M10x50	M10x50	M10x50	M10x50
	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm

SUBSURFACE CONCRETE	CHEMICAL ANCHOR (Hilti HIT-HY 200-A)		1kN - 1,20 m' high		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside	Inside	Outside
	8.8 EV	RVS A4-70	8.8 EV	RVS A4-70	8.8 EV	RVS A4-70
U-Line	M12x250	M10x100	M12x250	M10x100	M10x100	M10x100
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm
min. embedment depth	219 mm	64mm	219 mm	64mm	64mm	64mm
U-Line Zij	M10x100	M10x100	M10x100	M10x100	M10x100	M10x100
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
min. embedment depth	60 mm	70mm	60 mm	70mm	70mm	70mm
V-Line	M10x100	M10x100	M10x100	M10x100	M10x100	M10x100
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
min. embedment depth	60 mm	60mm	60 mm	60mm	60mm	60mm
Y-Line	M12x120	M12x120	M12x120	M12x120	M12x120	M12x120
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
min. embedment depth	70 mm	70mm	70 mm	70mm	70mm	70mm

SUBSURFACE CONCRETE	EXPANSION ANCHOR (HILTI HST)		1kN - 1,20 m' high		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside	Inside	Outside
	HST4	HST4-R	HST4	HST4-R	HST4	HST4-R
U-Line Top	M12x125	M10x90	M12x125	M10x90	M10x90	M10x90
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm
min. embedment depth	90 mm	62 mm	90 mm	62 mm	62 mm	62 mm
U-Line Zij	M10x90	M10x90	M10x90	M10x90	M10x90	M10x90
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
min. embedment depth	44 mm	44 mm	44 mm	44 mm	44 mm	44 mm
V-Line	M12x95	M12x95	M12x95	M12x95	M12x95	M12x95
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
min. embedment depth	50 mm	50 mm	50 mm	50 mm	50 mm	50 mm
Y-Line	M12x125	M12x125	M12x125	M12x125	M12x125	M12x125
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
min. embedment depth	51 mm	51 mm	51 mm	51 mm	51 mm	51 mm

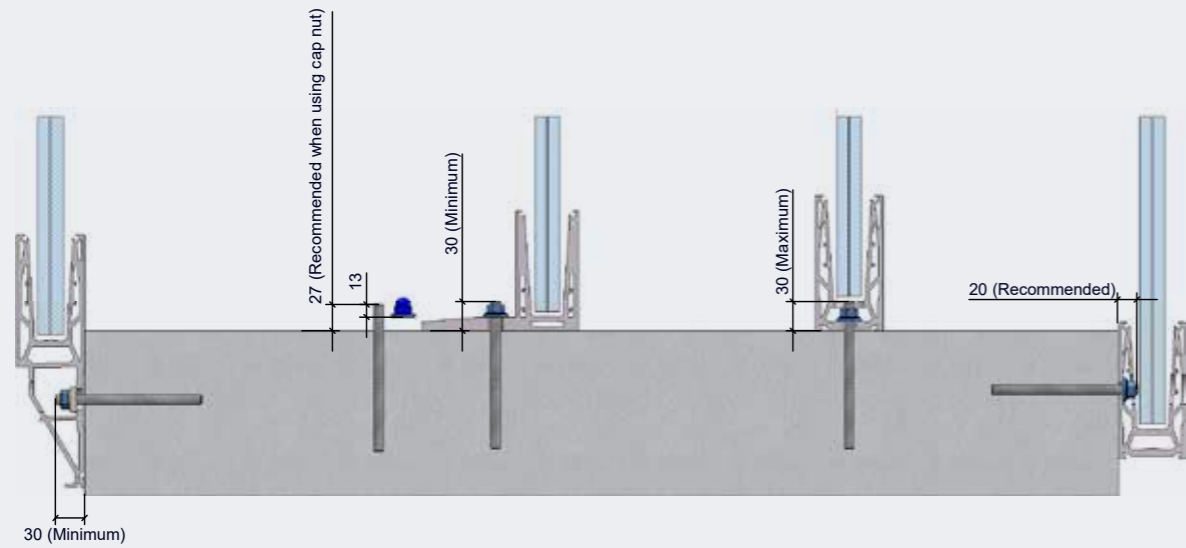
SUBSURFACE CONCRETE	SCREW ANCHOR (HILTI HUS)		1kN - 1,20 m' high		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside	Inside	Outside
	HUS4-H	HUS4-HR	HUS4-H	HUS4-HR	HUS4-H	HUS4-HR
U-Line Top	10x100	10x105	10x100	10x105	10x100	10x105
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm
min. embedment depth	71 mm	71 mm	71 mm	71 mm	71 mm	71 mm
U-Line Zij	10x100	10x105	10x100	10x105	10x100	10x105
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
min. embedment depth	66 mm	71 mm	66 mm	71 mm	66 mm	71 mm
V-Line	10x100	10x105	10x100	10x105	10x100	10x105
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
min. embedment depth	68 mm	71 mm	68 mm	71 mm	68 mm	71 mm
Y-Line	10x100	10x105	10x100	10x105	10x100	10x105
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
min. embedment depth	64 mm	71 mm	64 mm	71 mm	64 mm	71 mm

SUBSURFACE WOOD	THREADED INSERT + BOLT		1kN - 1,20 m' high		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside	Inside	Outside
	elvz	RVSA4	elvz	RVSA4	elvz	RVSA4
U-Line Top						
U-Line Zij	Ø22 x 80 met M12 30 bout	Ø22 x 80 met M12 30 bout	Ø22 x 80 met M12 30 bout	Ø22 x 80 met M12 30 bout	Ø22 x 80 met M12 30 bout	Ø22 x 80 met M12 30 bout
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
V-Line	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
Y-Line	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout	Ø22 x 80 met M12 40 bout
	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm

[!] - Allowable wind load proportionally reduced!

The mentioned anchor recommendations are based on standard situations and calculated according to the Dutch standard. See calculation reports for the justification and boundary conditions related to the relevant anchor recommendations. No rights can be derived from these recommendations. Detailed anchor calculations must always be made for the project-specific situation and according to locally applicable standards.

2kN ADVICE MATRIX ANCHORING SPARQ BALUSTRADES
2KN PROFILES



For further specifications regarding the required concrete quality and edge distance, see the relevant calculation report.

SUBSURFACE STEEL	2kN - 1,20 m' high		1kN - 1,20 m' high [!]		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside	Inside	Outside
	8.8 EV	RVSA4-70	8.8 EV	RVSA4-70	8.8 EV	RVSA4-70
U-Line Top	M12x50	M12x50	M12x50	M12x50	M12x50	M12x50
min. embedment depth	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
U-Line Zij	M12x40	M10x40	M10x40	M10x40	M10x40	M10x40
min. embedment depth	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
V-Line	M10x50	M10x50	M10x50	M10x50	M10x50	M10x50
min. embedment depth	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
Y-Line	M10x50	M10x50	M10x50	M10x50	M10x50	M10x50
min. embedment depth	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm

SUBSURFACE CONCRETE	CHEMICAL ANCHOR (Hilti HIT-HY 200-A)					
	2kN - 1,20 m' high		1kN - 1,20 m' high [!]		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside	Inside	Outside
	8.8 EV	RVSA4-70	8.8 EV	RVSA4-70	8.8 EV	RVSA4-70
U-Line			M12x185	M10x120	M10x120	M10x120
min. embedment depth			C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm
			160 mm	90 mm	90 mm	90 mm
U-Line Zij	M12x160	M10x100	M10x100	M10x100	M10x100	M10x100
min. embedment depth	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm	C-C 500 mm
	140 mm	60 mm	60 mm	60 mm	60 mm	60 mm
V-Line	M12x160	M10x100	M10x100	M10x100	M10x100	M10x100
min. embedment depth	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm	C-C 500 mm
	100 mm	60 mm	60 mm	60 mm	60 mm	60 mm
Y-Line	M10x180	M10x120	M10x120	M10x120	M10x120	M10x120
min. embedment depth	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm	C-C 500 mm
	150 mm	70 mm	70 mm	70 mm	70 mm	70 mm

SUBSURFACE CONCRETE	EXPANSION ANCHOR (HILTI HST)					
	2kN - 1,20 m' high		1kN - 1,20 m' high [!]		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside	Inside	Outside
	HST-3	HST3-R	HST-3	HST3-R	HST-3	HST3-R
U-Line Top					M10x90	M10x90
min. embedment depth					C-C 250 mm	C-C 250 mm
					60 mm	60 mm
U-Line Zij	M12x145	M10x90	M10x90	M10x90	M10x90	M10x90
min. embedment depth	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
	81 mm	44 mm	44 mm	44 mm	44 mm	44 mm
V-Line	M12x145	M10x90	M10x90	M10x90	M10x90	M10x90
min. embedment depth	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
	110 mm	55 mm	55 mm	55 mm	55 mm	55 mm
Y-Line		M10x110	M10x110	M10x110	M10x110	M10x110
min. embedment depth		C-C 250 mm	C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
		60 mm	60 mm	60 mm	60 mm	60 mm

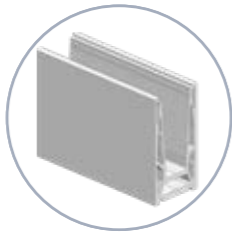
SUBSURFACE CONCRETE	SCREW ANCHOR (HILTI HUS)					
	2kN - 1,20 m' high		1kN - 1,20 m' high		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside	Inside	Outside
	HUS4-H	HUS4-HR	HUS4-H	HUS4-HR	HUS4-H	HUS4-HR
U-Line Top					10x100	10x105
min. embedment depth					C-C 250 mm	C-C 250 mm
					68 mm	71 mm
U-Line Zij			10x100	10x105	10x100	10x105
min. embedment depth			C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
			48 mm	64 mm	48 mm	64 mm
V-Line			10x100	10x105	10x100	10x105
min. embedment depth			C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
			61 mm	71 mm	61 mm	71 mm
Y-Line			10x100	10x105	10x100	10x105
min. embedment depth			C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
			66 mm	71 mm	66 mm	71 mm

SUBSURFACE WOOD	THREADED INSERT + BOLT					
	2kN - 1,20 m' high		1kN - 1,20 m' high		0,5kN - 1,20 m' high [!]	
	Inside	Outside	Inside	Outside	Inside	Outside
	elvz	RVSA4	elvz	RVSA4	elvz	RVSA4
U-Line Top					Ø22x80 met M12 30 bout	Ø22x80 met M12 30 bout
min. embedment depth					C-C 250 mm	C-C 250 mm
U-Line Zij			Ø22x80 met M12 30 bout	Ø22x80 met M12 30 bout	Ø22x80 met M12 30 bout	Ø22x80 met M12 30 bout
min. embedment depth			C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
V-Line			Ø22x80 met M12 40 bout	Ø22x80 met M12 40 bout	Ø22x80 met M12 40 bout	Ø22x80 met M12 40 bout
min. embedment depth			C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm
Y-Line			Ø22x80 met M12 40 bout	Ø22x80 met M12 40 bout	Ø22x80 met M12 40 bout	Ø22x80 met M12 40 bout
min. embedment depth			C-C 250 mm	C-C 250 mm	C-C 500 mm	C-C 500 mm

[!] - Allowable wind load proportionally reduced!

The mentioned anchor recommendations are based on standard situations and calculated according to the Dutch standard. See calculation reports for the justification and boundary conditions related to the relevant anchor recommendations. No rights can be derived from these recommendations. Detailed anchor calculations must always be made for the project-specific situation and according to locally applicable standards.

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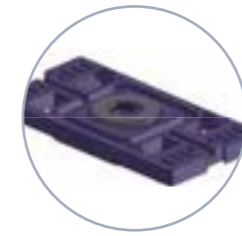
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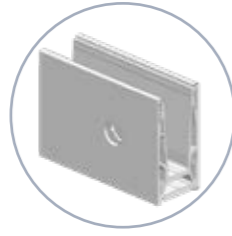
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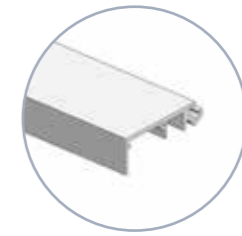
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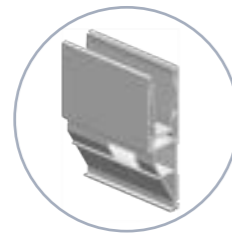
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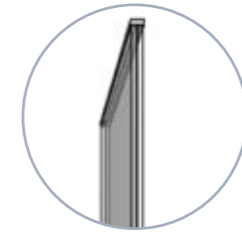
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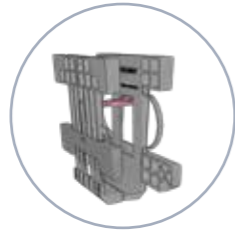


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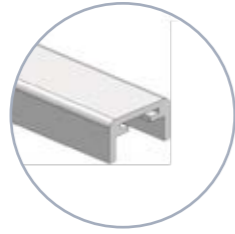
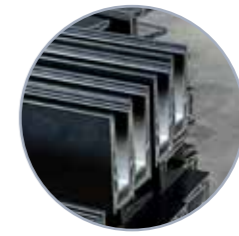
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HANDRAIL

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TOOLING AND ACCESSORIES

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STRINGER SUPPORTS

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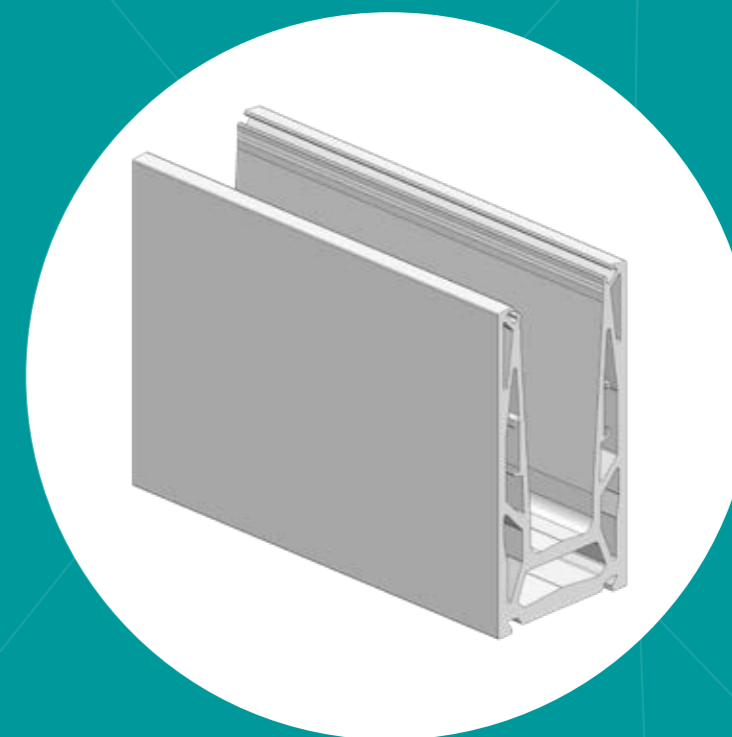
Our focus is on developing smart, sustainable, safe, certified and eye-catching systems.

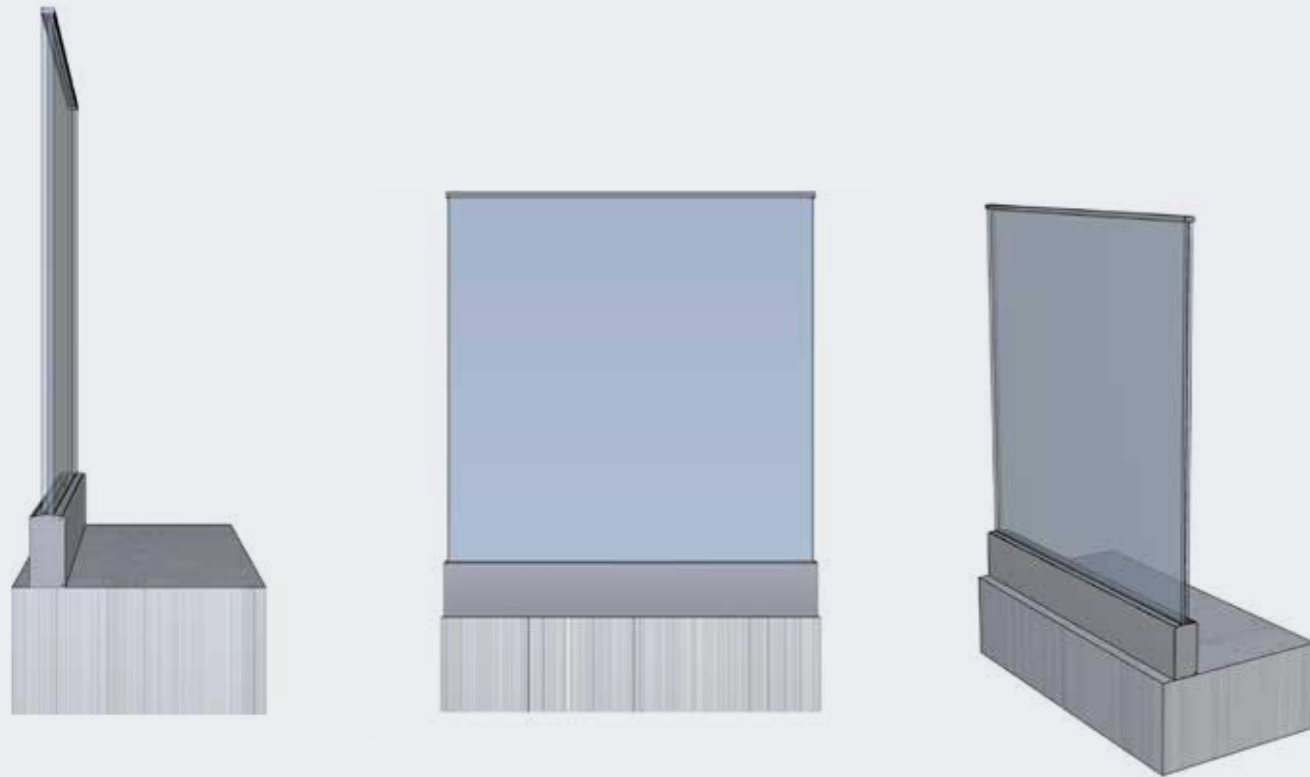
Grand Hotel - Knokke



U-LINE TOP SYSTEM

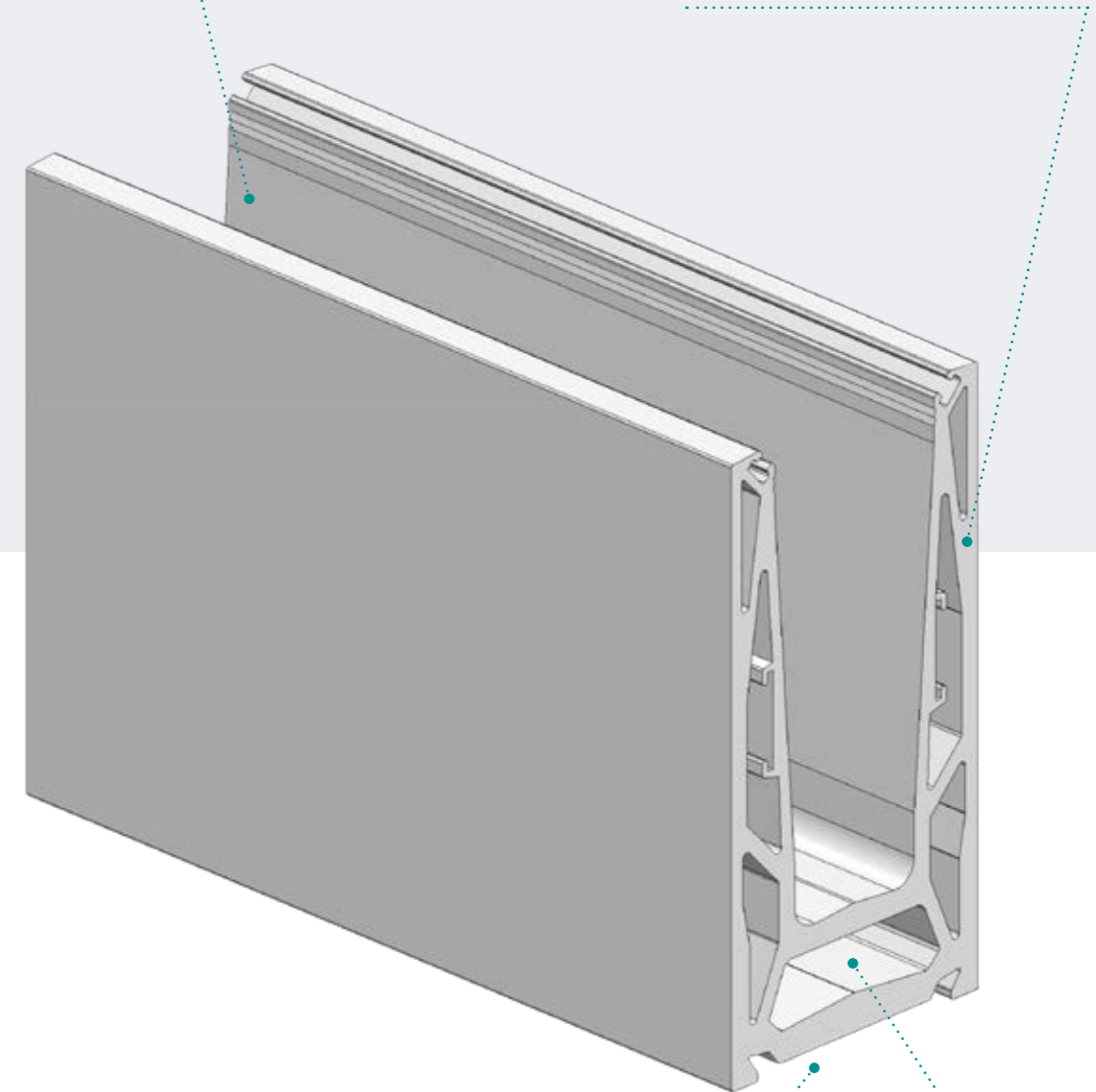
Specifications and applications	18
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Drainage	24
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Symmetrical design

High stability due to half-timbered structure that can withstand high loads









Plenty of room for non-recessed anchors

Profiled bottom for stable placement on rough concrete floors

PRODUCT CHARACTERISTICS

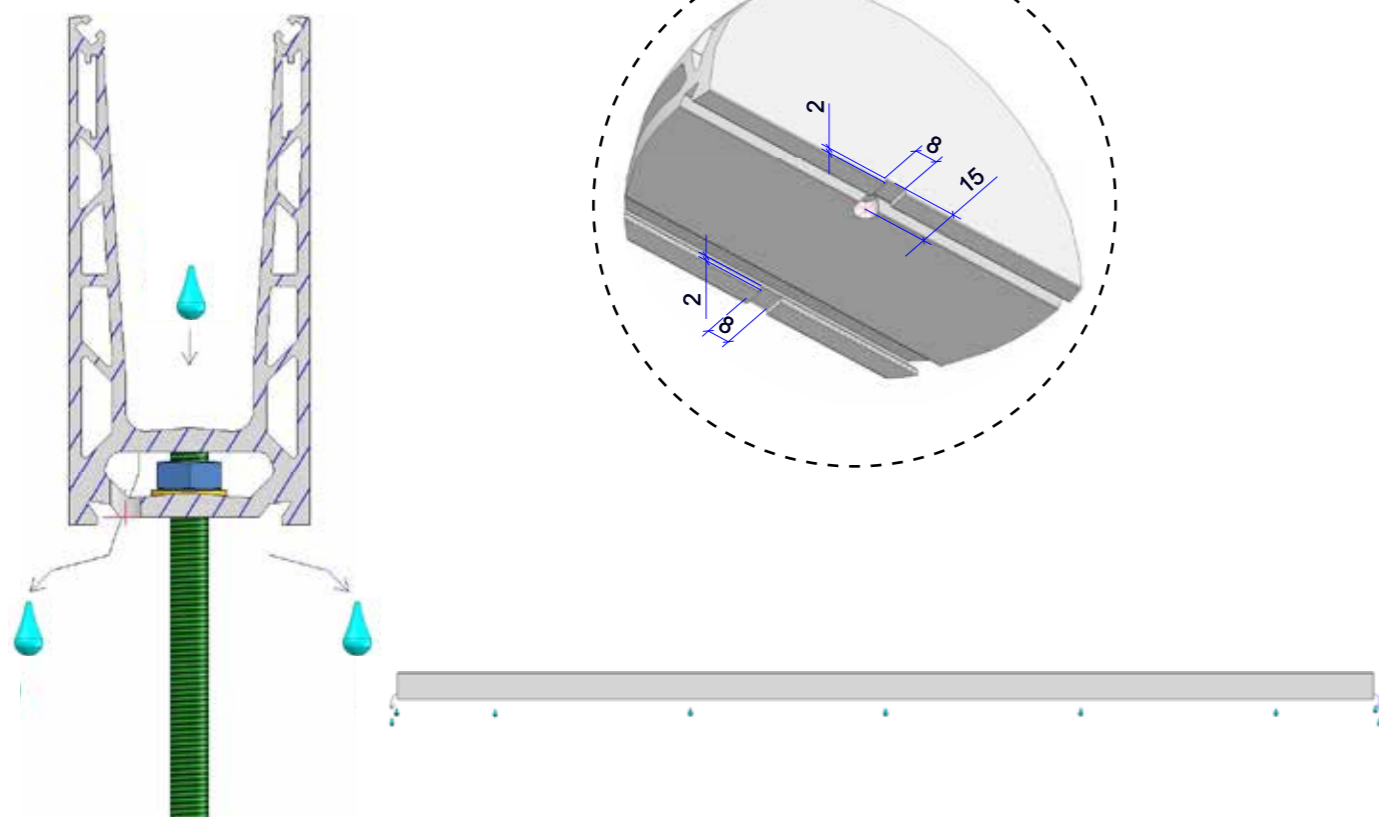
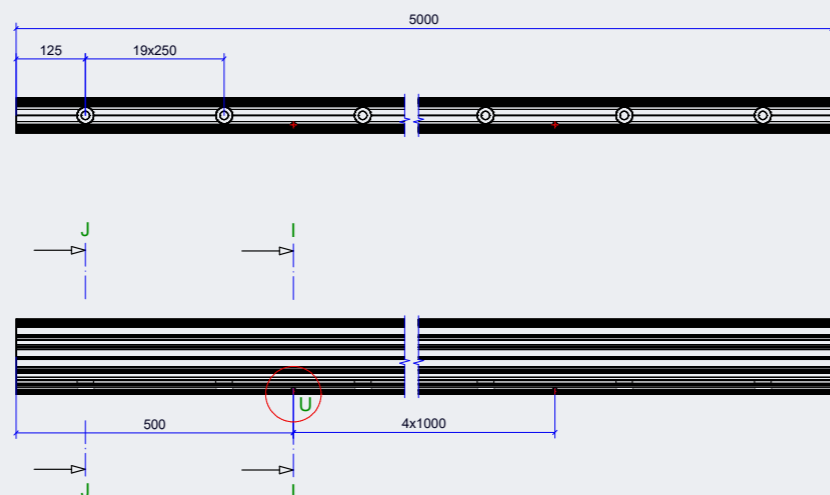
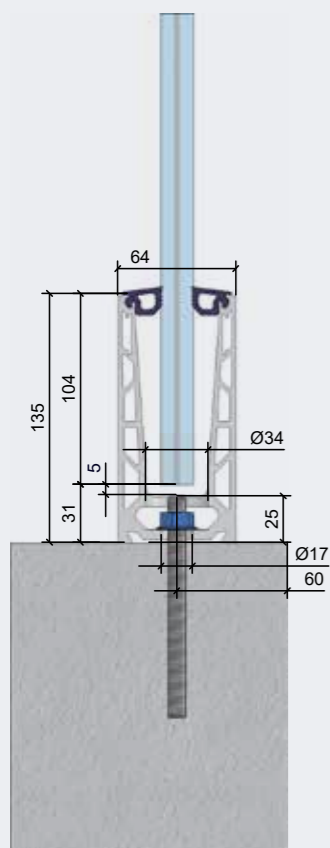
The basic solution from the modular glass balustrade system of SPARQ. The U-Line Top system consists of intelligent slim profiles for top mounting. The profiles are designed for different strength classes: the 1 kN system for basic applications and the 2 kN system with extra stability for complex and/or demanding applications regarding load capacity. The system is applicable to all substrates and is very suitable for being concealed.

SPECIFICATIONS AND APPLICATIONS

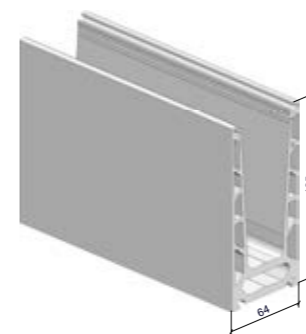
	1kN variant	2kN variant
 Wind load	up to 0,84 kN/m ² in case of a balustrade height of 1,20 m from top profile	up to 1,85 kN/m ² in case of a balustrade height of 1,20 m from top profile
 Glass thickness	6/6, 8/8, 10/10 en 12/12	6/6, 8/8, 10/10 and 12/12
 Profile attachment	250 mm	250 mm
 Profile dimensions (h x w)	135x64 mm	140x70 mm
 Available in any RAL-color of your choice	Yes	Yes
 Prefabricated to custom size available	Yes	Yes



Technical details



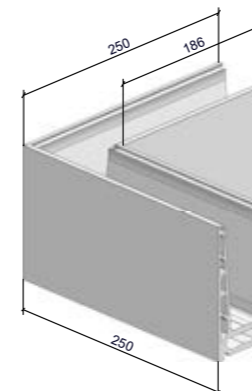
Glass profile U-Line Top 1kN



Material: Aluminium
Height x width: 135 x 64 mm
Length: 5000 mm
SU = 1

Finish	Article number
Mill finish	SP.300.6510.0050.10
Natural anodized	SP.300.6510.0050.11

Corner (inside and outside)

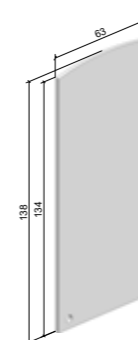


Material: Aluminium
Length: 250 x 250 mm
SU = 1

Inside and outside

Finish	Article number
Mill finish	SP.300.6510.2002.10
Natural anodized	SP.300.6510.2002.11

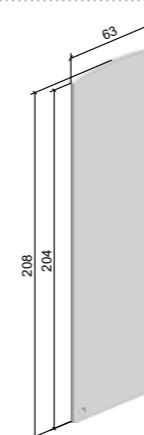
End cap glass profile



- For both left and right side
- For mounting with mounting kit
SU = 1

Finish	Article number
Mill finish	SP.400.0450.6510.10
Natural anodized	SP.400.0450.6510.11

End cap glass profile stairs



- For both left and right side
- Can be shortened to size based on the angle of inclination of the stairs
- For mounting with mounting kit
SU = 1

Finish	Article number
Mill finish	SP.400.0451.6510.10
Natural anodized	SP.400.0451.6510.11

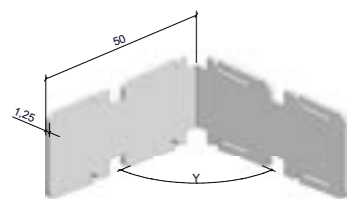


Profile connector

Material: Stainless steel 316

- For straight connection of glass profiles
SU = 1

Article number
SP.400.2200.2250.31



Connector 90°

Material: Stainless steel 316

- For connection of glass profiles in mitered corners
SU = 1

Article number
SP.600.2240.2600.31



Anchor set for steel

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting profile on a steel construction (max. 20 mm thickness)
SU = 20

M10: bolt, 2x lock ring, flange nut. M12: bolt, lock ring, flange nut.

Material	Article number
	M12x50
Zinc-plated steel	SP.200.5000.1205.81
Stainless steel A4	SP.200.5000.1205.31



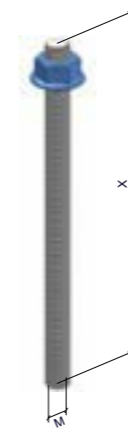
Anchor set for concrete (mechanical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mechanical anchoring in concrete
SU = 50

Please note: order additional lock rings 25x4mm for M10.

Material	Article number	Article number
	M10x90	M12x125
Zinc-plated steel	SP.200.4000.1009.81	SP.200.4000.1212.81
Stainless steel A4	SP.200.4000.1009.31	SP.200.4000.1212.31



Anchor set for concrete (chemical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for chemical anchoring in concrete (excl. anchor mortar)
SU = 20

Please note: order additional lock rings 25x4mm for M10.

Material	Article number	Article number
	M10x100	M12x250
Zinc-plated steel	SP.200.1000.1010.81	SP.200.1000.1225.81
Stainless steel A4	SP.200.1000.1010.31	SP.200.1000.1225.31



Chemical anchor mortar

- Chemical anchor mortar, for dry and wet, cracked or not, concrete
- For ± 30 anchors, including 2 mixing nozzles
SU = 1

	Article number
Hilti HIT-HY 200	SP.200.0200.0500.00



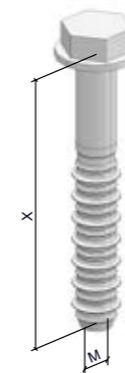
Lock ring M10

Material: Zinc-plated steel or stainless steel A4

Diameter x thickness: 25 x 4 mm
Zinc-plated steel: SU = 100; Stainless steel A4: SU = 200

Additional requirements for anchoring in M10

Material	Article number
Zinc-plated steel	SP.200.9000.2504.81
Stainless steel A4	SP.200.9000.2504.31



Anchor set for concrete (screw anchor)

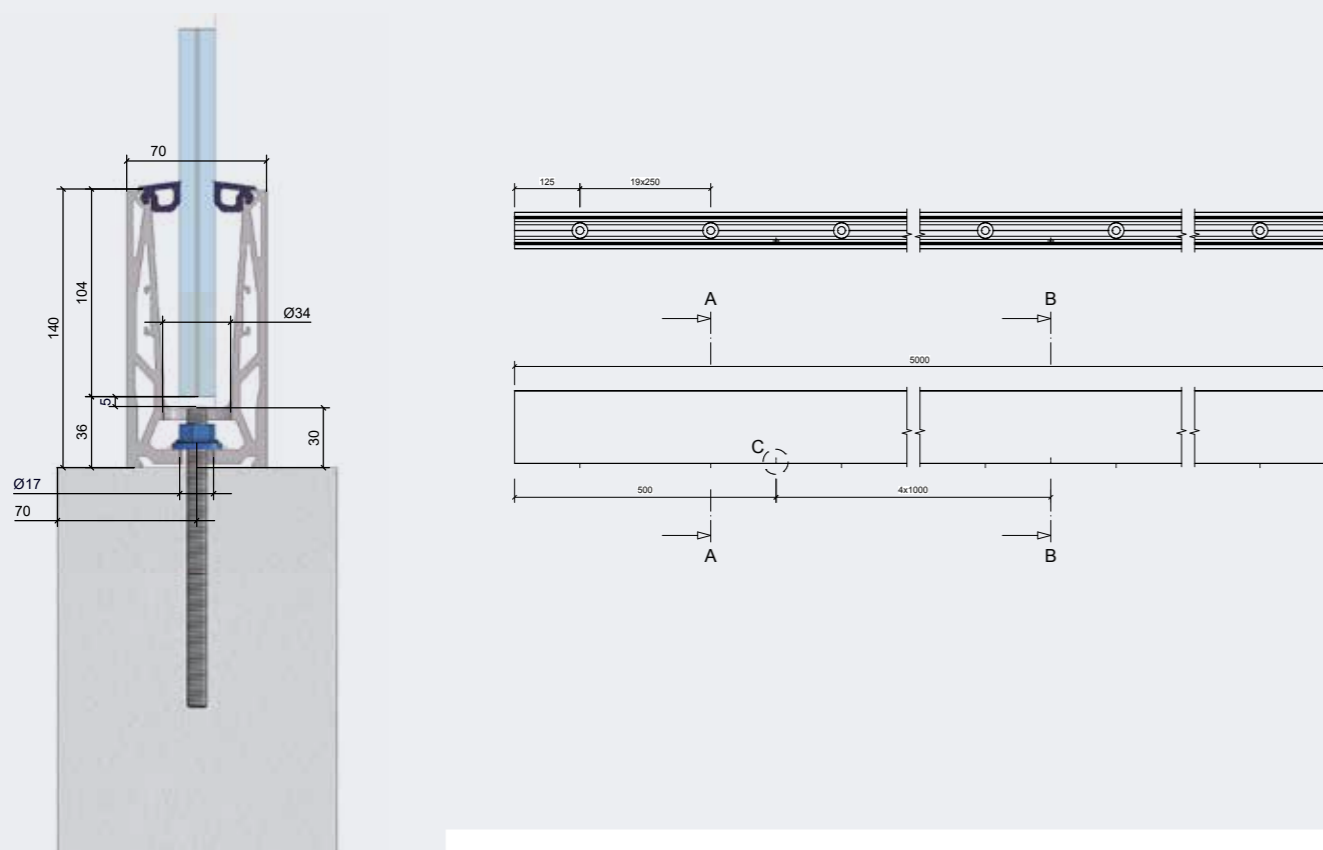
Material: Zinc-plated steel or stainless steel A4

- Anchor set for screw anchoring in concrete
SU = 25 of 50

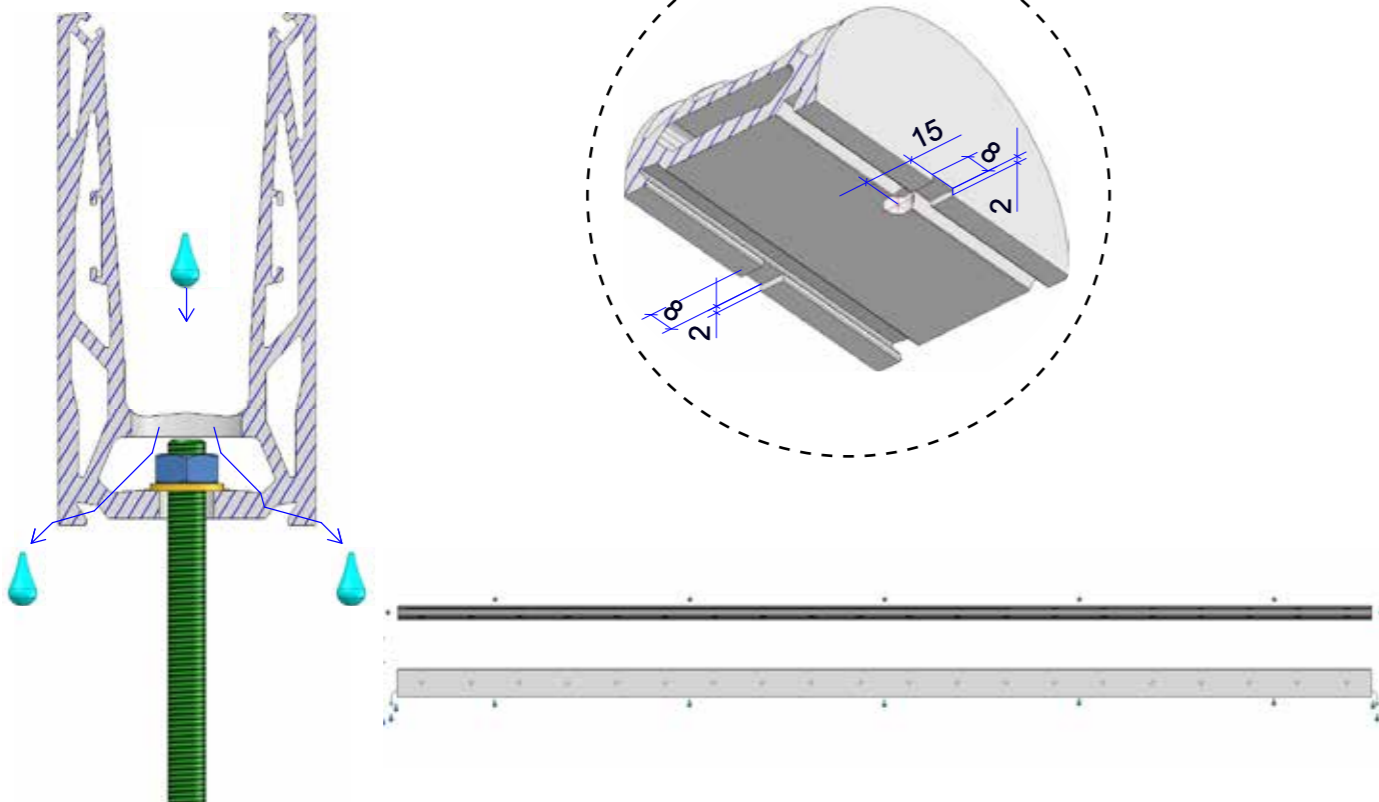
Please note: order additional lock rings 25x4mm for M10.

Material	Article number	Article number
	M10x100 (SU = 50)	M10x105 (SU = 25)
Zinc-plated steel	SP.200.3000.1010.81	
Stainless steel A4		SP.200.3000.1010.31

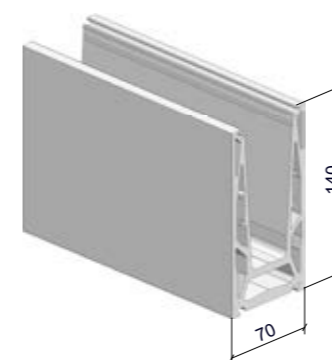
Technical details



Drainage



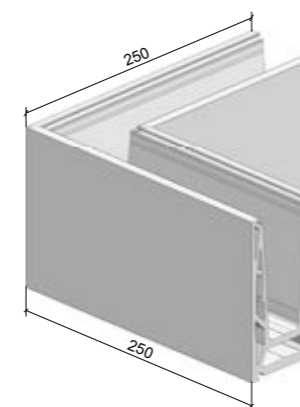
Glass profile U-Line Top



Material: Aluminium
Height x width: 140 x 70 mm
Length: 5000 mm
SU = 1

Finish	Article number
Mill finish	SP.300.6520.0050.10
Natural anodized	SP.300.6520.0050.11

Corner (inside and outside)



Material: Aluminium
Length: 250 x 250 mm
SU = 1

Finish	Article number
Mill finish	SP.300.6520.2002.10
Natural anodized	SP.300.6520.2002.11

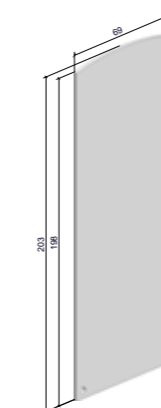
End cap glass profile



- For both left and right side
- For mounting with mounting kit
SU = 1

Finish	Article number
Mill finish	SP.400.0450.6520.10
Natural anodized	SP.400.0450.6520.11

End cap glass profile stairs



- For both left and right side
- Can be shortened to size based on the angle of inclination of the stairs
- For mounting with mounting kit
SU = 1

Finish	Article number
Mill finish	SP.400.0451.6520.10
Natural anodized	SP.400.0451.6520.11

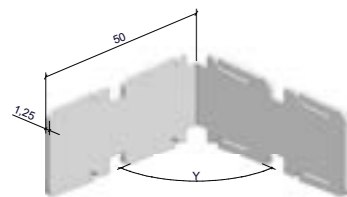


Profile connector

Material: Stainless steel 316

- For straight connection of glass profiles
SU = 1

Article number
SP.400.2200.2250.31



Connector 90°

Material: Stainless steel 316

- For connection of glass profiles in mitered corners
SU = 1

Article number
SP.600.2240.2600.31



Anchor set for steel

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting profile on a steel construction (max. 20 mm thickness)
SU = 20

M10: bolt, 2x lock ring, flange nut. M12: bolt, lock ring, flange nut.

Material	Article number
	M12x50
Zinc-plated steel	SP.200.5000.1205.81
Stainless steel A4	SP.200.5000.1205.31

Anchor set for concrete (mechanical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mechanical anchoring in concrete
SU = 50

Please note: order additional lock rings 25x4mm for M10.

Material	Article number	Article number
	M10x90	M12x125
Zinc-plated steel	SP.200.4000.1009.81	SP.200.4000.1212.81
Stainless steel A4	SP.200.4000.1009.31	SP.200.4000.1212.31



Anchor set for concrete (chemical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for chemical anchoring in concrete (excl. anchor mortar)
SU = 20

Please note: order additional lock rings 25x4mm for M10.

Material	Article number	Article number
	M10x120	M12x185
Zinc-plated steel	SP.200.1000.1012.81	SP.200.1000.1218.81
Stainless steel A4	SP.200.1000.1012.31	SP.200.1000.1218.31



Chemical anchor mortar

- Chemical anchor mortar, for dry and wet, cracked or not, concrete
- For ± 30 anchors, including 2 mixing nozzles
SU = 1

	Article number
Hilti HIT-HY 200	SP.200.0200.0500.00

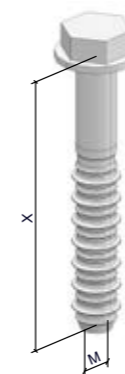


Lock ring M10

Material: Zinc-plated steel or stainless steel A4
Diameter x thickness: 25 x 4 mm
Zinc-plated steel: SU = 100; Stainless steel A4: SU = 200

Additional requirements for anchoring in M10

Material	Article number
Zinc-plated steel	SP.200.9000.2504.81
Stainless steel A4	SP.200.9000.2504.31



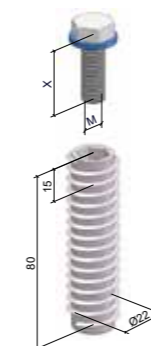
Anchor set for concrete (screw anchor)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for screw anchoring in concrete
SU = 25 of 50

Please note: order additional lock rings 25x4mm for M10.

Material	Article number	Article number
	M10x100 (SU = 50)	M10x105 (SU = 25)
Zinc-plated steel	SP.200.3000.1010.81	
Stainless steel A4		SP.200.3000.1010.31



Anchor set for wood

Material: Zinc-plated steel

- Anchor set for mounting on wood
SU = 20

Material	Article number
	Rampa Ø22x80 + Bolt M12x40
Zinc-plated steel	SP.200.2000.1204.81
Stainless steel A4	SP.200.2000.1204.31

Our solutions are 100% circular, because whoever 'looks further' also thinks about the environment and the future.

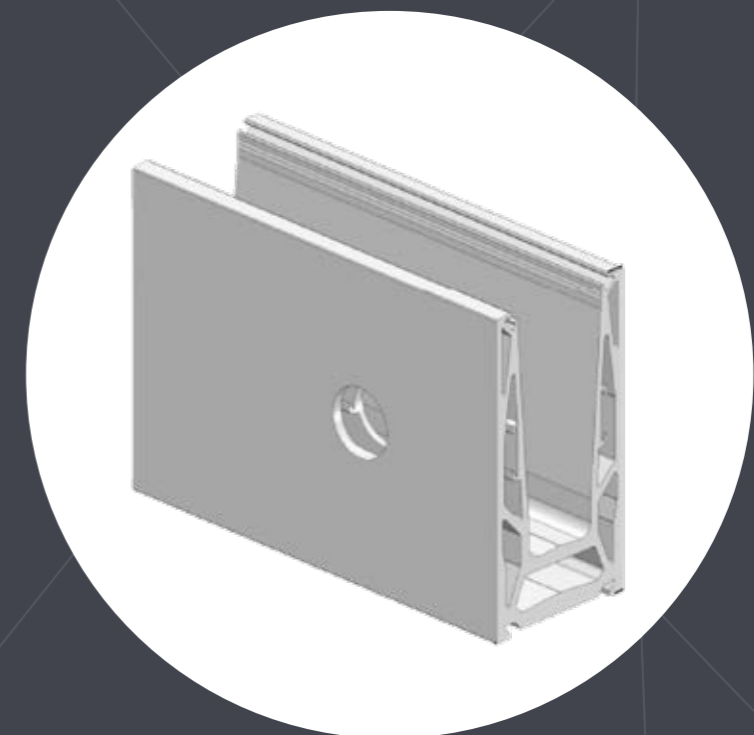


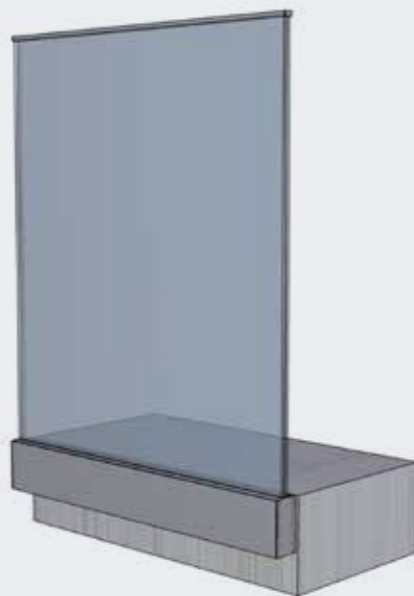
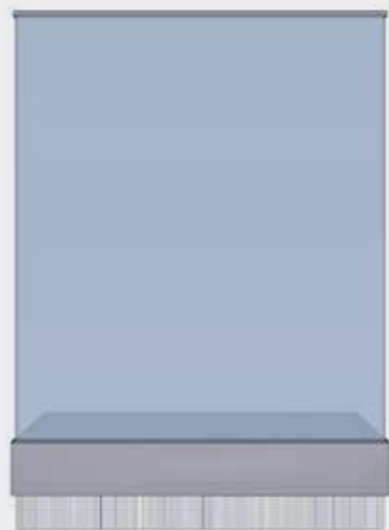
Zeilerboulevard - Bergen aan Zee



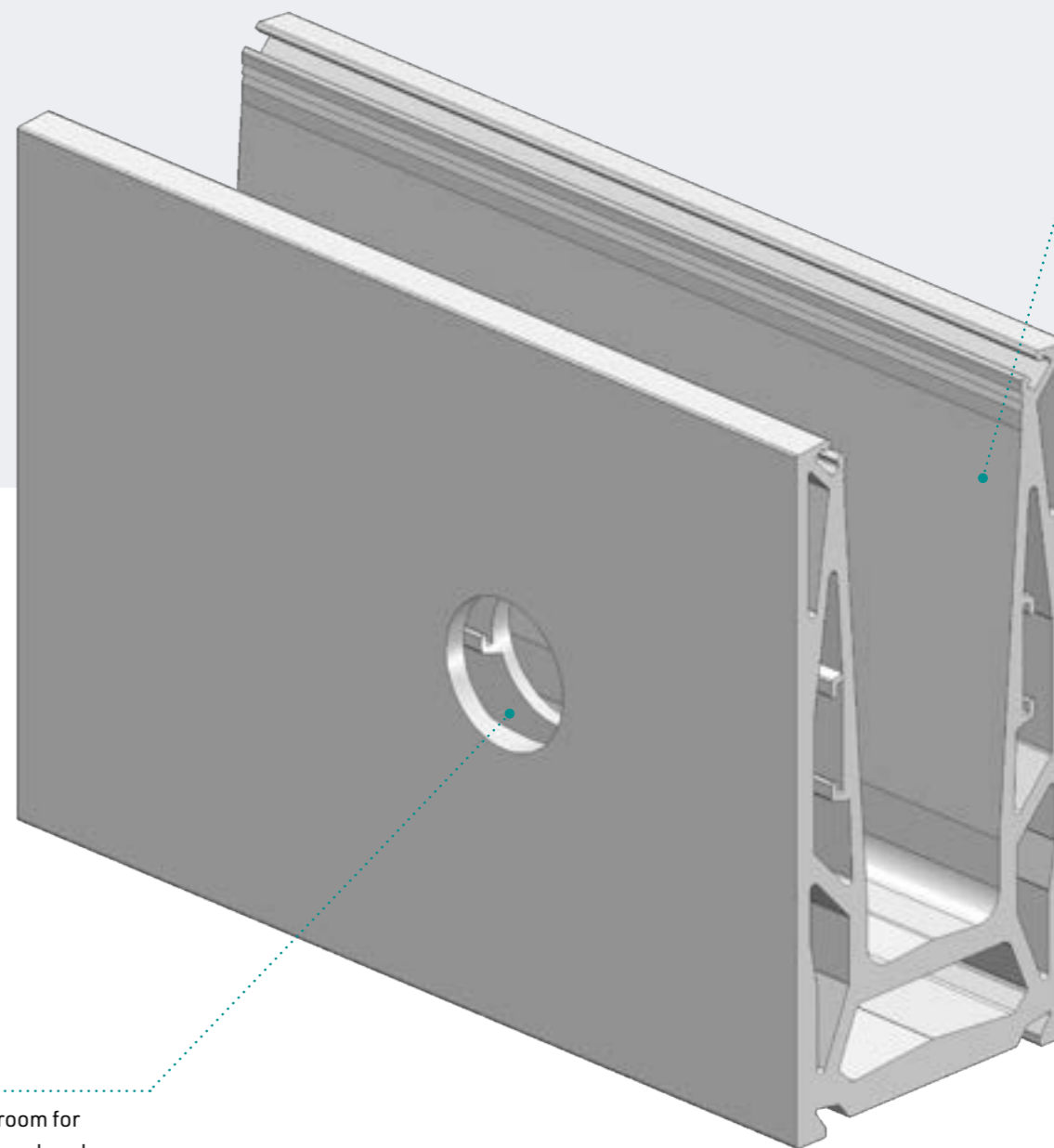
U-LINE SIDE SYSTEM

Specifications and applications	30
1kN Technical details	32
Drainage	32
System parts	33
2kN Technical details	38
Drainage	38
System parts	39











High stability due to half-timbered structure that can withstand high loads



PRODUCT CHARACTERISTICS

The U-Line Side has the same smart profiles as the U-Line Top, but with holes in the side wall of the profile for mounting against the floor. These solutions are particularly suitable for use in situations without a screed on all surfaces. A cover is available for hiding the mounting holes. The profile and cover can be supplied mill finished, in anodized aluminum or in the RAL-color of your choice.

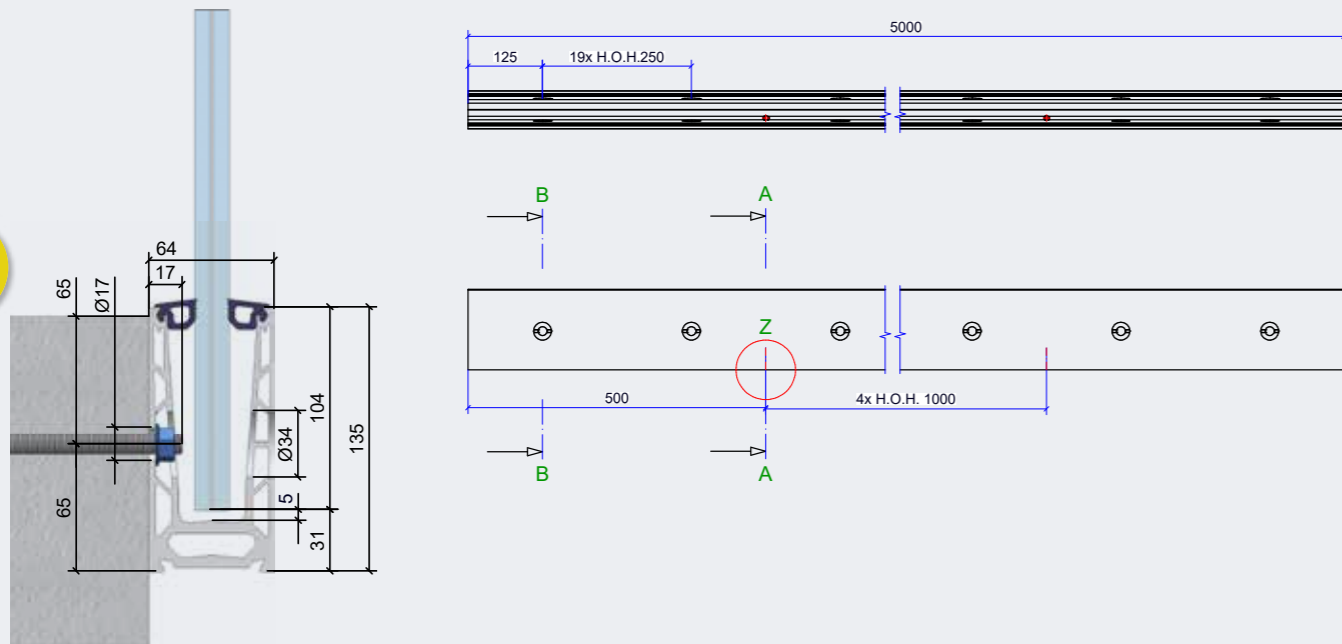
SPECIFICATIONS AND APPLICATIONS

	1kN variant	2kN variant
 Wind load	up to 0,84 kN/m ² in case of a balustrade height of 1,20 m from top profile	up to 1,73 kN/m ² in case of a balustrade height of 1,20 m from top profile
 Glass thickness	6/6, 8/8, 10/10 and 12/12	6/6, 8/8, 10/10 and 12/12
 Profile attachment	250 mm	250 mm
 Profile dimensions (h x w)	135x64 mm	140x70 mm
 Available in any RAL-color of your choice	Yes	Yes
 Prefabricated to custom size available	Yes	Yes

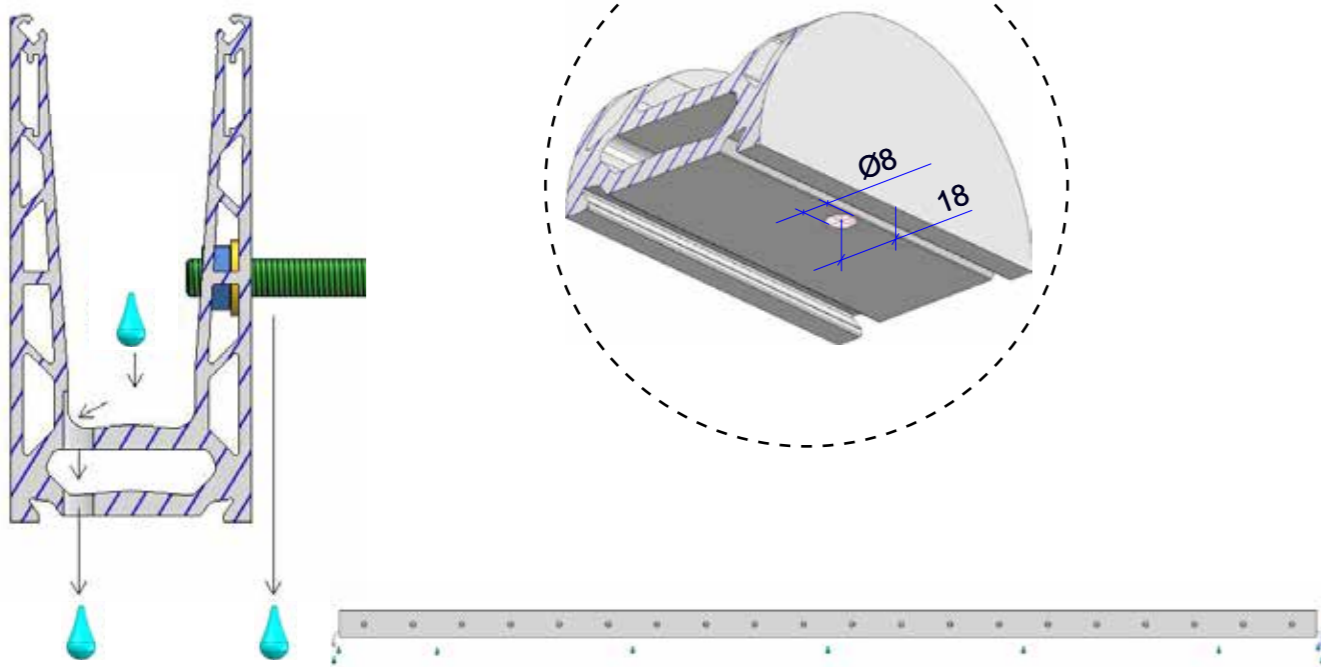
Plenty of room for non-recessed anchors



Technical details



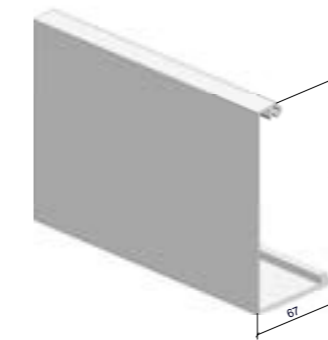
Drainage



Glass profile U-Line Side 1kN

Material: Aluminium
 Height x width: 135 x 64 mm
 Length: 5000 mm
 SU = 1

Finish	Article number
Mill finish	SP.300.6511.0050.10
Natural anodized	SP.300.6511.0050.11

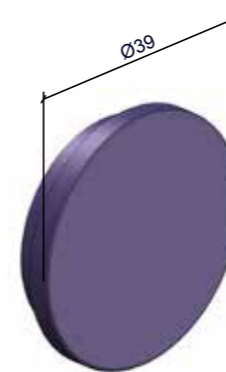


Cover

Material: Aluminium
 Height x width: 142 x 67 mm
 Length: 5000 mm
 SU = 1

Simply clicks around the glass profile.
 Note the use of associated rubber!

Finish	Article number
Mill finish	SP.300.6511.2050.10
Natural anodized	SP.300.6511.2050.11

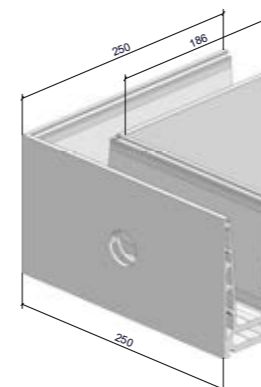


Blanking plug

Material: Plastic
 SU = 20

For sealing the hole in profile view.

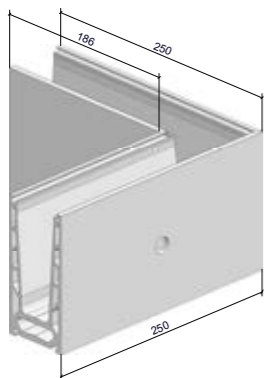
	Article number
Blanking plug grey	SP.400.2000.6521.00
Blanking plug black	SP.400.2000.6521.01
Blanking plug white	SP.400.2000.6521.02



Corner (outside)

Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

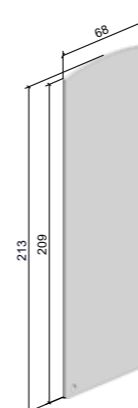
Finish	Article number
Mill finish	SP.300.6511.2001.10
Natural anodized	SP.300.6511.2001.11



Corner (inside)

Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

Finish	Article number
Mill finish	SP.300.6511.2002.10
Natural anodized	SP.300.6521.2002.11

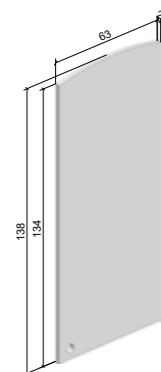


End cap glass profile stairs with cover

Material: Aluminium

- For both left and right side (when used with cover)
 - Can be shortened to size based on the angle of inclination of the stairs
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0451.6511.10
Natural anodized	SP.400.0451.6511.11

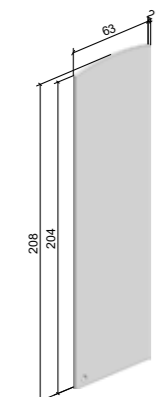


End cap glass profile

Material: Aluminium

- For both left and right side (when used without cover)
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0450.6510.10
Natural anodized	SP.400.0450.6510.11

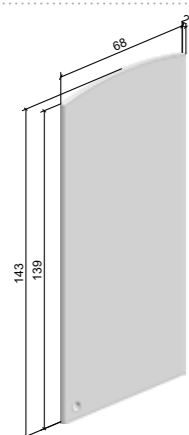


End cap glass profile stairs

Material: Aluminium

- For both left and right side (when used without cover)
 - Can be shortened to size based on the angle of inclination of the stairs
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0451.6510.10
Natural anodized	SP.400.0451.6510.11



End cap glass profile with cover

Material: Aluminium

- For both left and right side (when used with cover)
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0450.6511.10
Natural anodized	SP.400.0450.6511.11

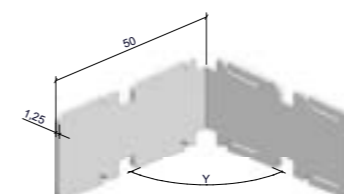


Profile connector

Material: Stainless steel 316

- For straight connection of glass profiles
- SU = 1

Article number
SP.400.2200.2250.31

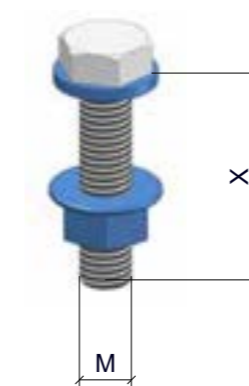


Connector 90°

Material: Stainless steel 316

- For connection of glass profiles in mitered corners
- SU = 1

Article number
SP.600.2240.2600.31



Anchor set for steel

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting profile on a steel construction (max. 20 mm thickness)
- SU = 20

Bolt, lock ring, flange nut.

Material	Article number
	M12x40
Zinc-plated steel	SP.200.5000.1204.81
Stainless steel A4	SP.200.5000.1204.31



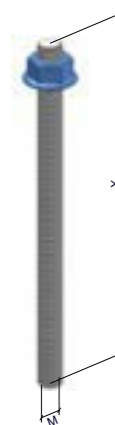
Anchor set for concrete (mechanical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mechanical anchoring in concrete
SU = 50

Please note: order additional lock rings 25 x 4 mm for M10.

Material	Article number
	M10x90
Zinc-plated steel	SP.200.4000.1009.81
Stainless steel A4	SP.200.4000.1009.31



Anchor set for concrete (chemical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for chemical anchoring in concrete (excl. anchor mortar)
SU = 20

Material	Article number
	M12x120
Zinc-plated steel	SP.200.1000.1212.81
Stainless steel A4	SP.200.1000.1212.31

Chemical anchor mortar

- Chemical anchor mortar, for dry and wet, cracked or not, concrete
- For ± 30 anchors, including 2 mixing nozzles
SU = 1



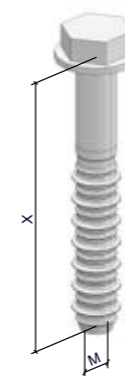
	Article number
Hilti HIT-HY 200	SP.200.0200.0500.00

Lock ring M10

Material: Zinc-plated steel or stainless steel A4
Diameter x thickness: 25 x 4 mm
Zinc-plated steel: SU = 100; Stainless steel A4: SU = 200

Additional requirements for anchoring in M10

Material	Article number
Zinc-plated steel	SP.200.9000.2504.81
Stainless steel A4	SP.200.9000.2504.31



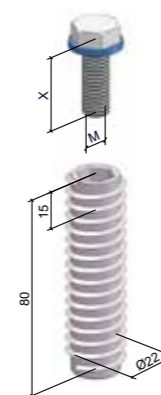
Anchor set for concrete (screw anchor)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for screw anchoring in concrete
SU = 25 of 50

Please note: order additional lock rings 25x4mm for M10.

Material	Article number	Article number
	M10x100 (SU = 50)	M10x105 (SU = 25)
Zinc-plated steel	SP.200.3000.1010.81	
Stainless steel A4		SP.200.3000.1010.31

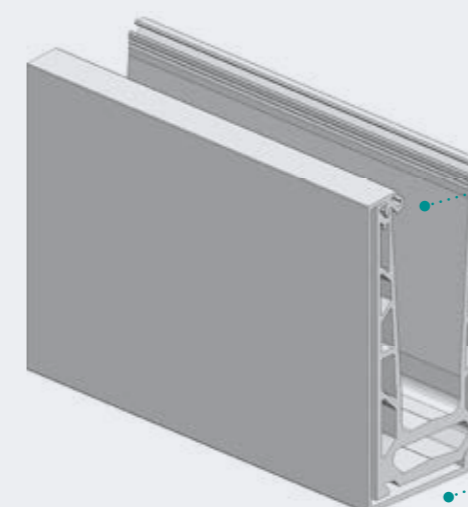


Anchor set for wood

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting on wood
SU = 20

Material	Article number
	Rampa Ø22x80 + Bolt M12x40
Zinc-plated steel	SP.200.2000.1204.81
Stainless steel A4	SP.200.2000.1204.31



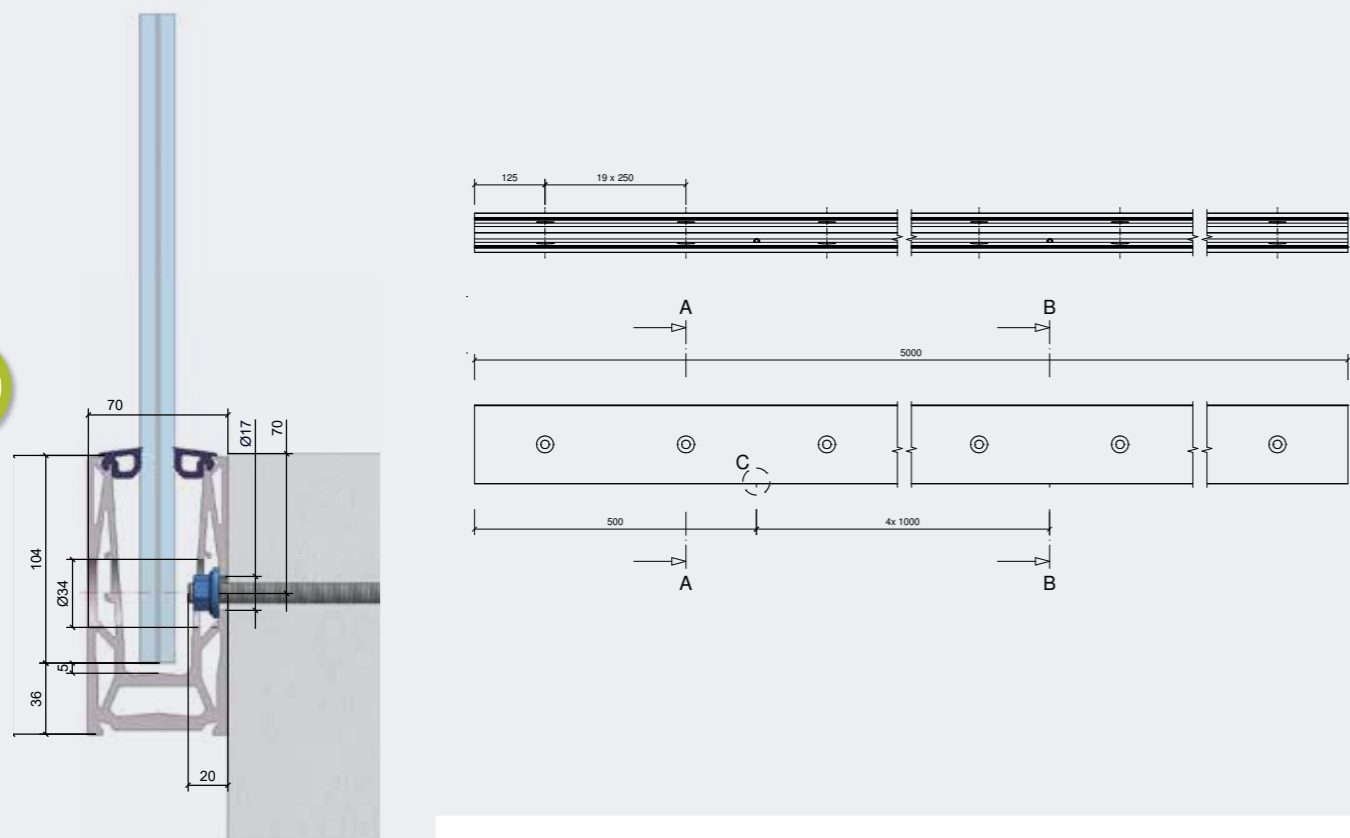
Easily hang the cover on the opening in the clamping profile

The cover itself clicks into place around the clamping profile without any mounting material

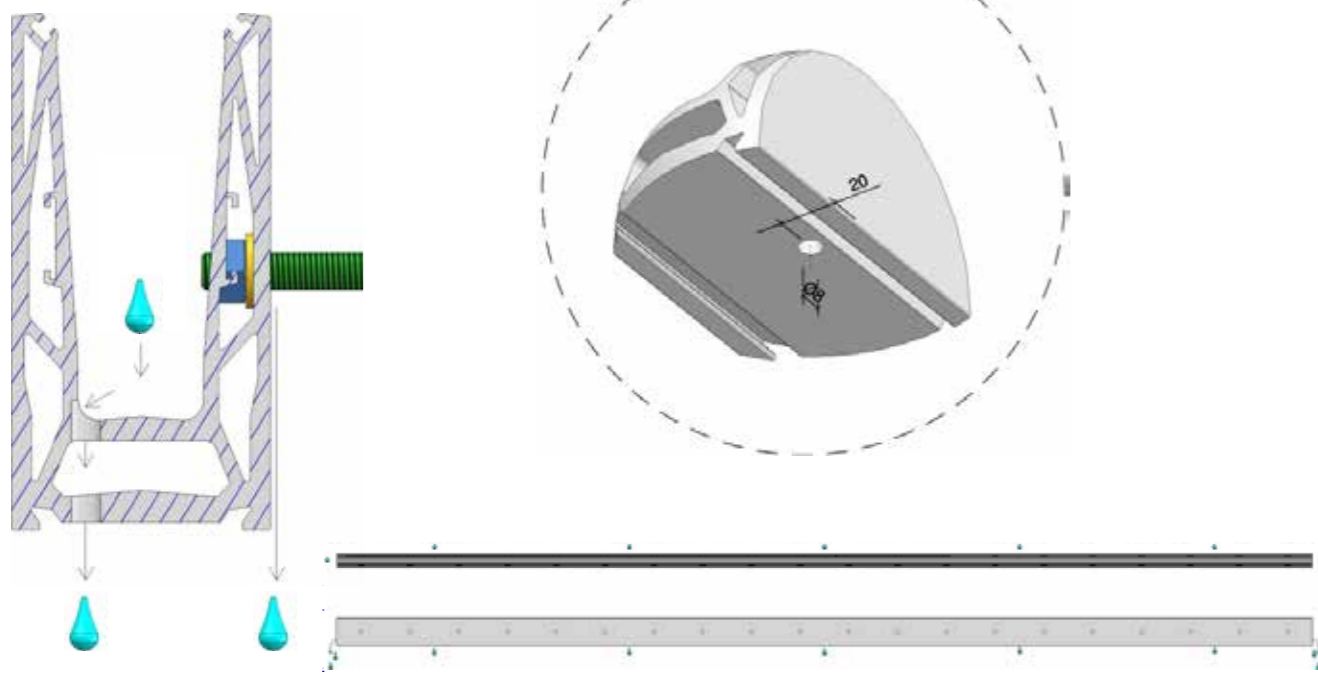
Sloping internally towards the outside so that leakage water never runs away along the facade
Externally angled for easy processing on the cutting track

Drip nose on the cover so that water does not flow back to the facade

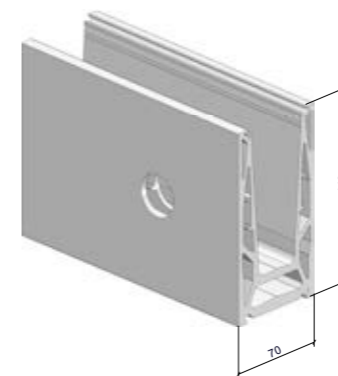
Technical details



Drainage



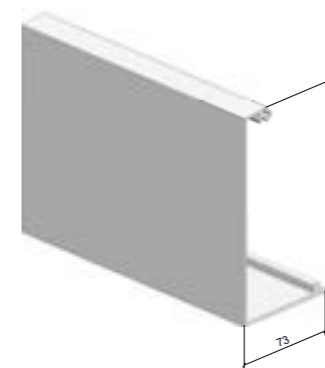
Glass profile U-Line Side



Material: Aluminium
 Height x width: 140 x 70 mm
 Length: 5000 mm
 SU = 1

Finish	Article number
Mill finish	SP.300.6521.0050.10
Natural anodized	SP.300.6521.0050.11

Cover

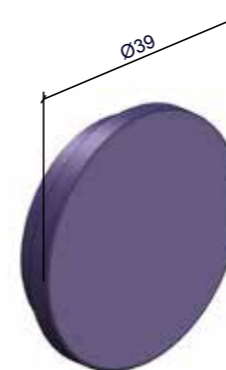


Material: Aluminium
 Height x width: 147 x 73 mm
 Length: 5000 mm
 SU = 1

Simply clicks around the glass profile.
 Note the use of associated rubber!

Finish	Article number
Mill finish	SP.300.6521.2050.10
Natural anodized	SP.300.6521.2050.11

Blanking plug

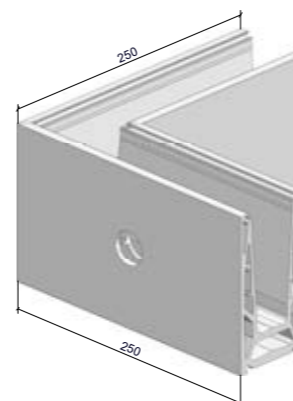


Material: Plastic
 SU = 20

For sealing the hole in profile view.

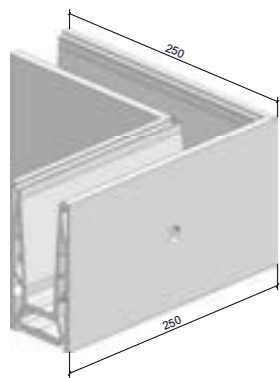
	Article number
Blanking plug grey	SP.400.2000.6521.00
Blanking plug black	SP.400.2000.6521.01
Blanking plug white	SP.400.2000.6521.02

Corner (outside)



Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

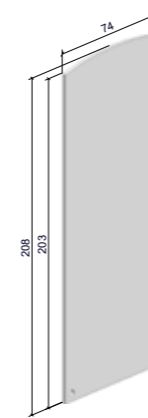
Finish	Article number
Mill finish	SP.300.6521.2001.10
Natural anodized	SP.300.6521.2001.11



Corner (inside)

Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

Finish	Article number
Mill finish	SP.300.6521.2002.10
Natural anodized	SP.300.6521.2002.11

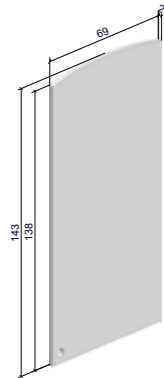


End cap glass profile stairs with cover

Material: Aluminium

- For both left and right side (when used with cover)
- Can be shortened to size based on the angle of inclination of the stairs
- For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0451.6521.10
Natural anodized	SP.400.0451.6521.11

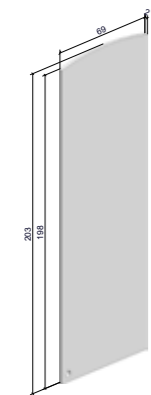


End cap glass profile

Material: Aluminium

- For both left and right side (when used without cover)
- For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0450.6520.10
Natural anodized	SP.400.0450.6520.11

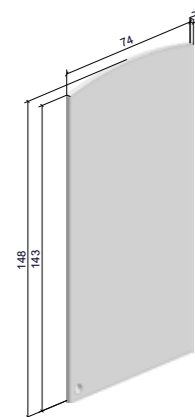


End cap glass profile stairs

Material: Aluminium

- For both left and right side (when used without cover)
- Can be shortened to size based on the angle of inclination of the stairs
- For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0451.6520.10
Natural anodized	SP.400.0451.6520.11



End cap glass profile with cover

Material: Aluminium

- For both left and right side (when used with cover)
- For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0450.6521.10
Natural anodized	SP.400.0450.6521.11

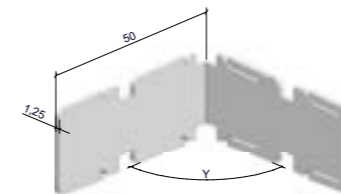


Profile connector

Material: Stainless steel 316

- For straight connection of glass profiles
- SU = 1

Article number
SP.400.2200.2250.31

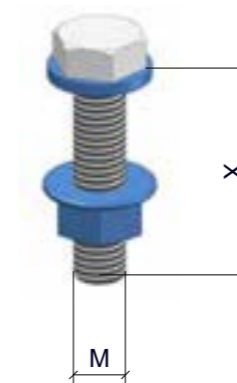


Connector 90°

Material: Stainless steel 316

- For connection of glass profiles in mitered corners
- SU = 1

Article number
SP.600.2240.2600.31



Anchor set for steel

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting profile on a steel construction (max. 20 mm thickness)
- SU = 20

M10: bolt, 2x lock ring, flange nut. M12: bolt, lock ring, flange nut.

Material	Article number	Article number
	M10x40	M12x40
Zinc-plated steel	SP.200.5000.1004.81	SP.200.5000.1204.81
Stainless steel A4	SP.200.5000.1004.31	SP.200.5000.1204.31



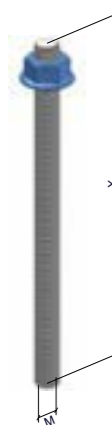
Anchor set for concrete (mechanical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mechanical anchoring in concrete
SU = 25 of 50

Please note: order additional lock rings 25 x 4 mm for M10.

Material	Article number	Article number
	M10x90 (SU = 50)	M12x145 (SU = 25)
Zinc-plated steel	SP.200.4000.1009.81	SP.200.4000.1214.81
Stainless steel A4	SP.200.4000.1009.31	SP.200.4000.1214.31



Anchor set for concrete (chemical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for chemical anchoring in concrete (excl.anchor mortar)
SU = 20

Please note: order additional lock rings 25x4mm for M10.

Material	Article number	Article number
	M10x100	M12x160
Zinc-plated steel	SP.200.1000.1010.81	SP.200.1000.1216.81
Stainless steel A4	SP.200.1000.1010.31	SP.200.1000.1216.31

Chemical anchor mortar

- Chemical anchor mortar, for dry and wet, cracked or not, concrete
- For ± 30 anchors, including 2 mixing nozzles
SU = 1



	Article number
Hilti HIT-HY 200	SP.200.0200.0500.00

Lock ring M10

Material: Zinc-plated steel or stainless steel A4

Diameter x thickness: 25 x 4 mm

Zinc-plated steel: SU = 100; Stainless steel A4: SU = 200

Additional requirements for anchoring in M10

Material	Article number
Zinc-plated steel	SP.200.9000.2504.81
Stainless steel A4	SP.200.9000.2504.31



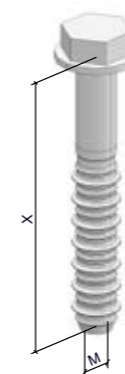
Anchor set for concrete (screw anchor)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for screw anchoring in concrete
SU = 25 of 50

Please note: order additional lock rings 25x4mm for M10.

Material	Article number	Article number
	M10x100 (SU = 50)	M10x105 (SU = 25)
Zinc-plated steel	SP.200.3000.1010.81	
Stainless steel A4		SP.200.3000.1010.31

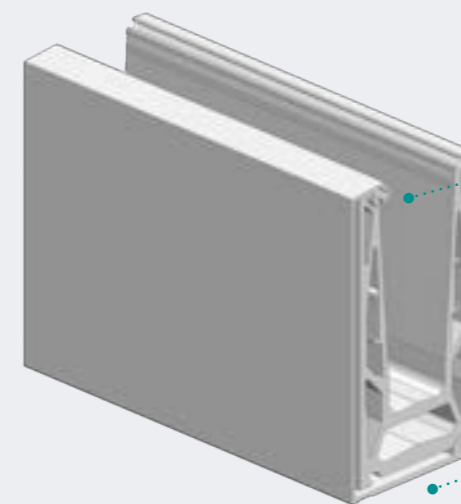
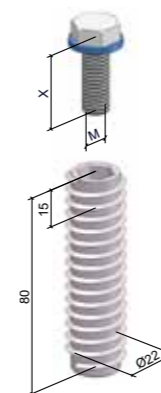


Anchor set for wood

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting on wood
SU = 20

Material	Article number
	Rampa Ø22x80 + Bolt M12x40
Zinc-plated steel	SP.200.2000.1204.81
Stainless steel A4	SP.200.2000.1204.31



Easily hang the cover on the opening in the clamping profile

The cover itself clicks into place around the clamping profile without any mounting material

Sloping internally towards the outside so that leakage water never runs away along the facade
Externally angled for easy processing on the cutting track

Drip nose on the cover so that water does not flow back to the facade

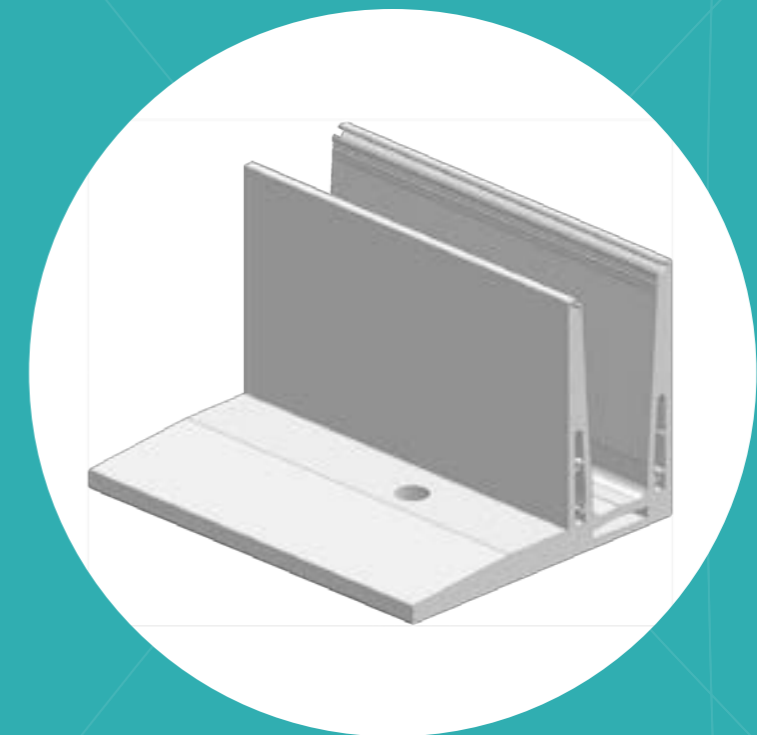
Full-glass balustrades of SPARQ,
the jewel on the work of architect
and contractor.

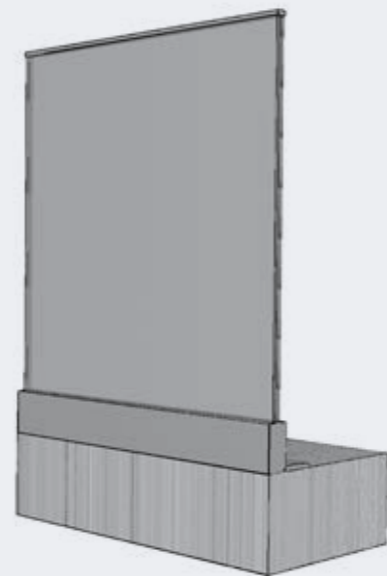
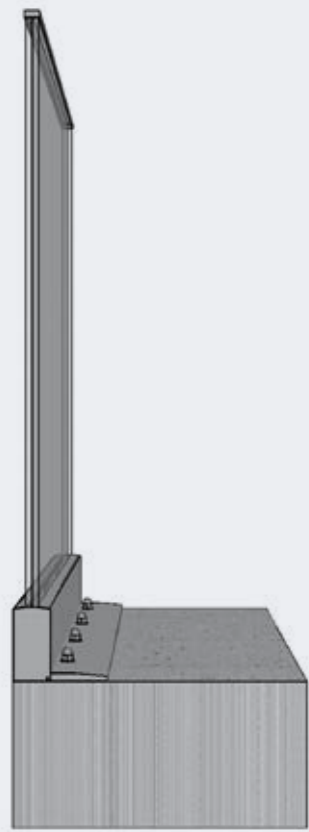
De Musketiers - Leek



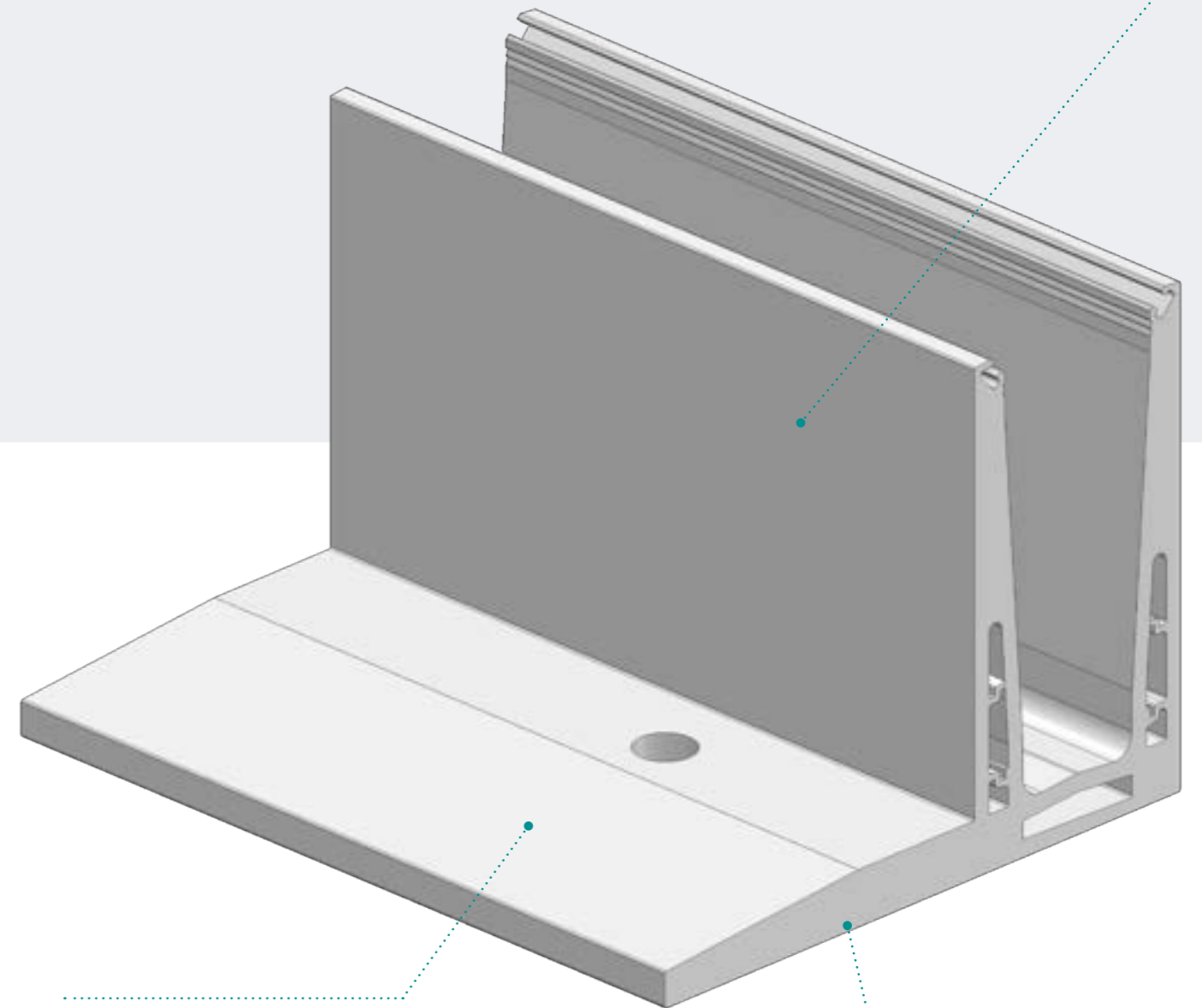
V-LINE SYSTEM

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Drainage	54
System parts	55





Minimum height for the tightest possible connection to the finished floor



Ideal for use in a screed floor or under a patio floor

The base plate reduces forces in the anchors for a high load capacity, even on concrete or wooden surfaces

PRODUCT CHARACTERISTICS

The V-Line system is specially designed to withstand maximum wind load with the smallest possible dimensions. The 1 kN profile is very suitable for basic applications indoors or outdoors without much wind. The 2 kN profile is intended for use in demanding situations and under high loads up to 2 kN.

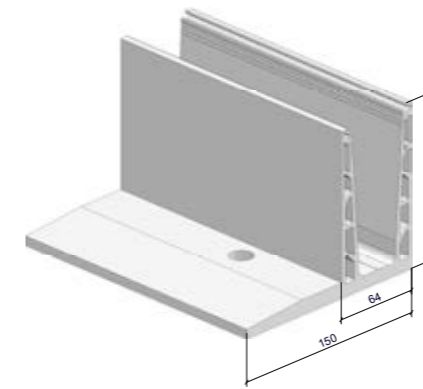
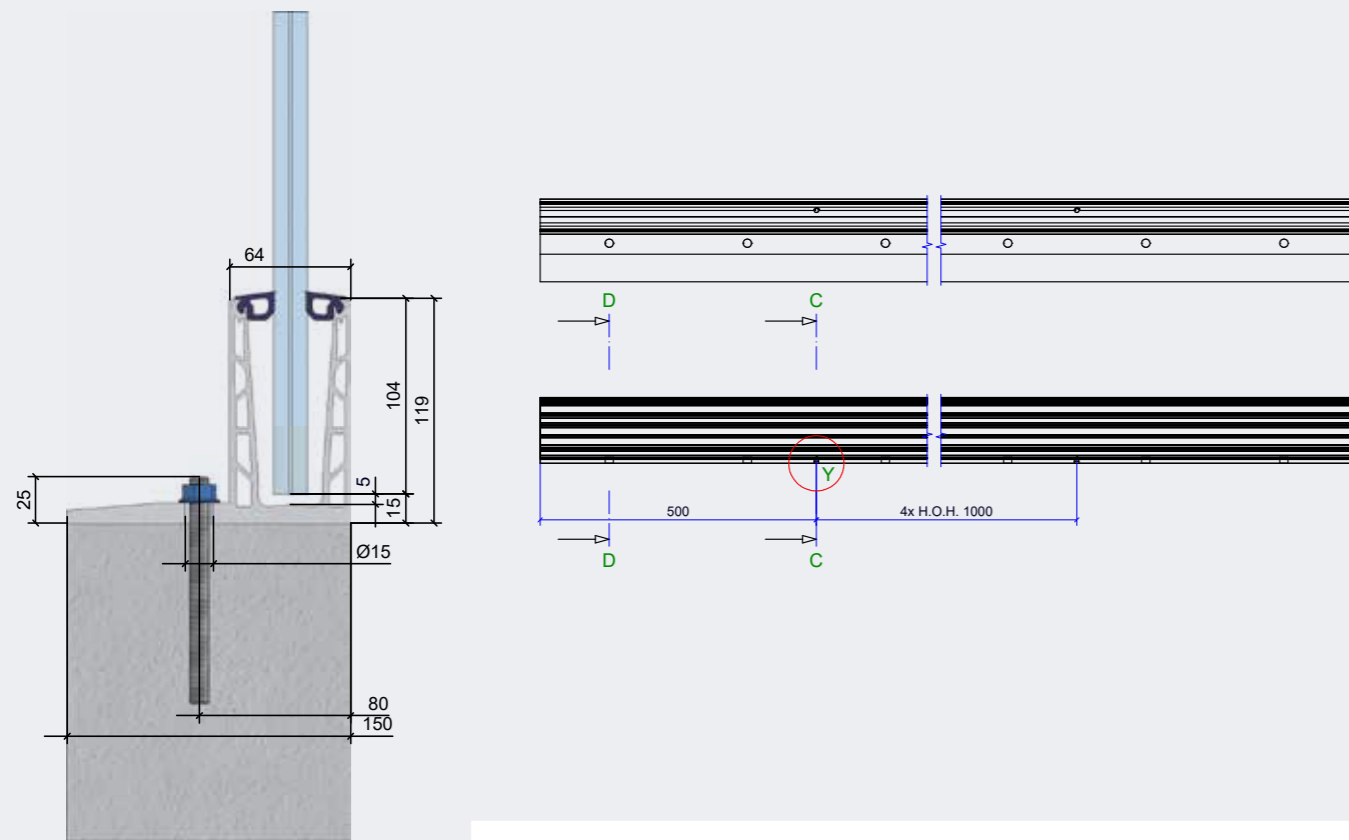
It can be mounted on the edge of a concrete floor so that the floor area of the balcony or atrium can be fully utilized. The base plate and the anchoring are very suitable for being concealed in a screed or other floor finishes. Due to the wide base plate, the system is also very suitable for use on a wooden substrate.

SPECIFICATIONS AND APPLICATIONS

	1kN variant	2kN variant
Wind load	up to 0,84 kN/m ² in case of a balustrade height of 1,20 m from top profile	up to 1,68 kN/m ² in case of a balustrade height of 1,20 m from top profile
Glass thickness	6/6, 8/8, 10/10 and 12/12	6/6, 8/8, 10/10 and 12/12
Profile attachment	250 mm	250 mm
Profile dimensions (h x w)	119x150 mm (U=width 64 mm)	124 x 160 mm (U=width 64 mm)
Available in any RAL-color of your choice	Yes	Yes
Prefabricated to custom size available	Yes	Yes



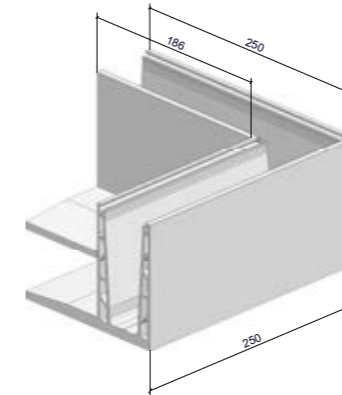
Technical details



Glass profile V-Line Top 1kN

Material: Aluminium
 Height x width: 119 x 150 mm (U = 64 mm width)
 Length: 5000 mm
 SU = 1

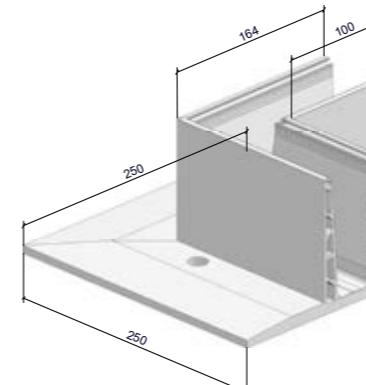
Finish	Article number
Mill finish	SP.300.9510.0050.10
Natural anodized	SP.300.9510.0050.11



Corner (outside)

Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

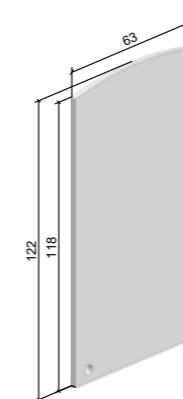
Finish	Article number
Mill finish	SP.300.9510.2001.10
Natural anodized	SP.300.9510.2001.11



Corner (inside)

Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

Finish	Article number
Mill finish	SP.300.9510.2002.10
Natural anodized	SP.300.9510.2002.11



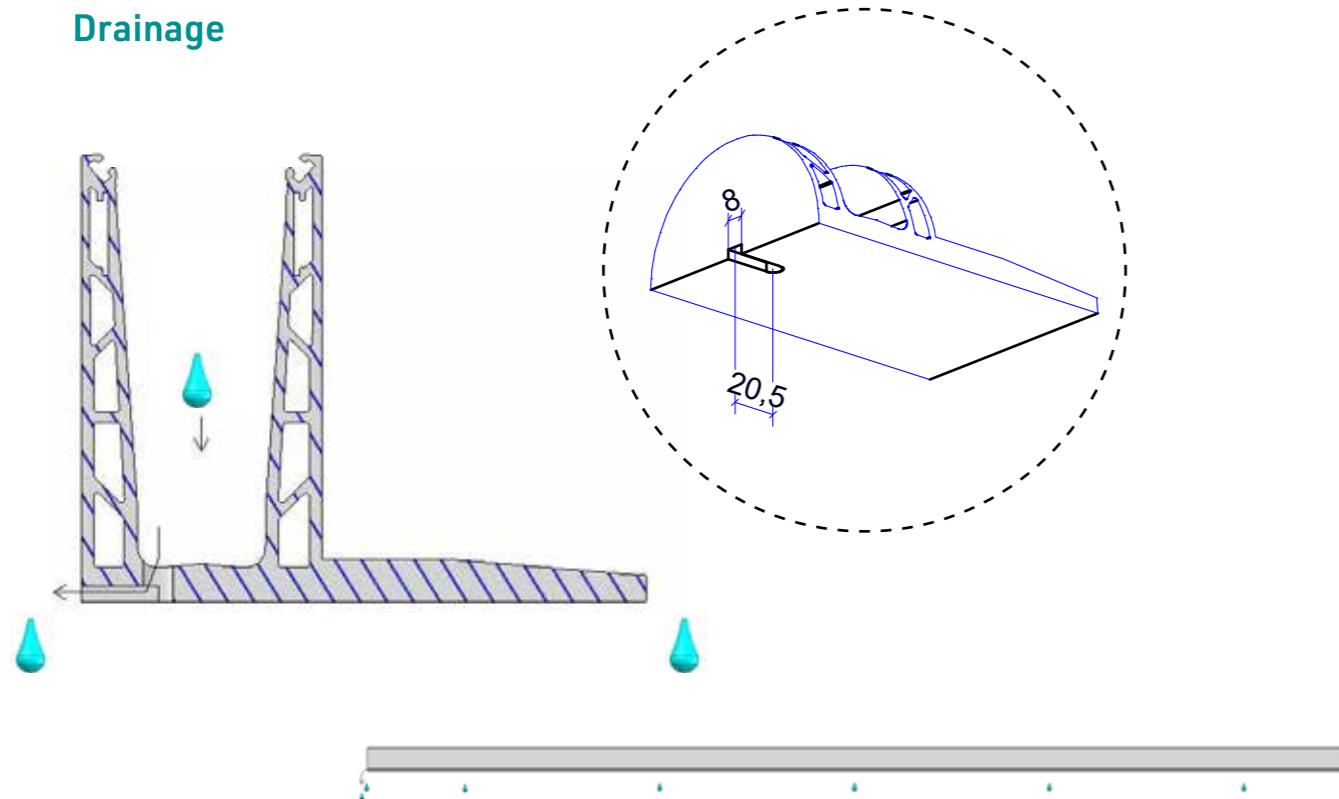
End cap glass profile

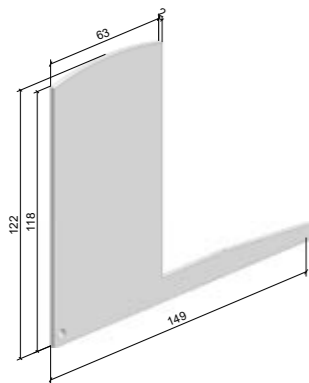
Material: Aluminium

- For both left and right side
 - For mounting with mounting kit
 SU = 1

Finish	Article number
Mill finish	SP.400.0450.9510.10
Natural anodized	SP.400.0450.9510.11

Drainage





End cap glass profile incl. flange

Material: Aluminium

- For both left and right side
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0451.9510.10
Natural anodized	SP.400.0451.9510.11

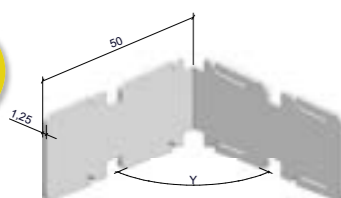


Profile connector

Material: Stainless steel 316

- For straight connection of glass profiles
- SU = 1

Article number
SP.400.2200.2250.31

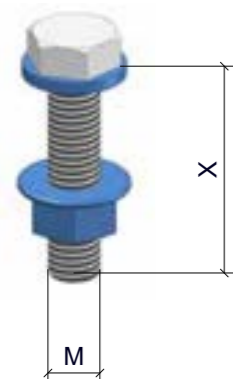


Connector 90°

Material: Stainless steel 316

- For connection of glass profiles in mitered corners
- SU = 1

Article number
SP.600.2240.2600.31



Anchor set for steel

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting profile on a steel construction (max. 20 mm thickness)
- SU = 20

M10: bolt, 2x lock ring, flange nut. M12: bolt, lock ring, flange nut.

Material	Article number
	M10x50
Zinc-plated steel	SP.200.5000.1005.81
Stainless steel A4	SP.200.5000.1005.31



Anchor set for concrete (mechanical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mechanical anchoring in concrete
- SU = 50

Material	Article number
	M10x110 (SU=50)
Zinc-plated steel	SP.200.4000.1011.81
Stainless steel A4	SP.200.4000.1011.31



Anchor set for concrete (chemical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for chemical anchoring in concrete (excl. anchor mortar)
- SU = 20

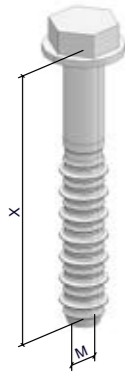
Material	Article number
	M10x100
Zinc-plated steel	SP.200.1000.1010.81
Stainless steel A4	SP.200.1000.1010.31



Chemical anchor mortar

- Chemical anchor mortar, for dry and wet, cracked or not, concrete
 - For ± 30 anchors, including 2 mixing nozzles
- SU = 1

	Article number
Hilti HIT-HY 200	SP.200.0200.0500.00

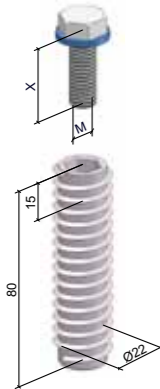


Anchor set for concrete (screw anchor)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for screw anchoring in concrete
SU = 25 of 50

Material	Article number	Article number
	M10x100 (SU = 50)	M10x105 (SU = 25)
Zinc-plated steel	SP.200.3000.1010.81	
Stainless steel A4		SP.200.3000.1010.31



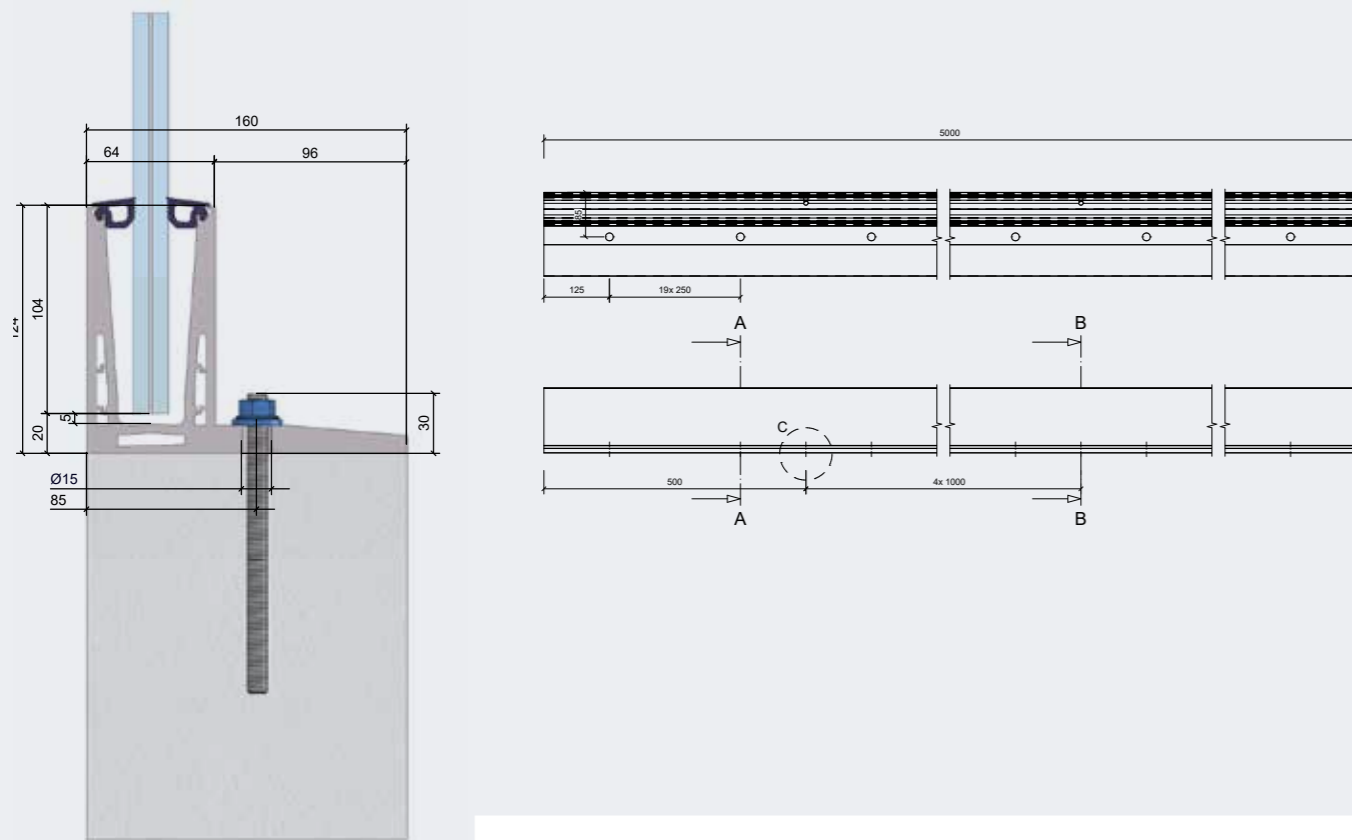
Anchor set for wood

Material: Zinc-plated steel or stainless steel A4

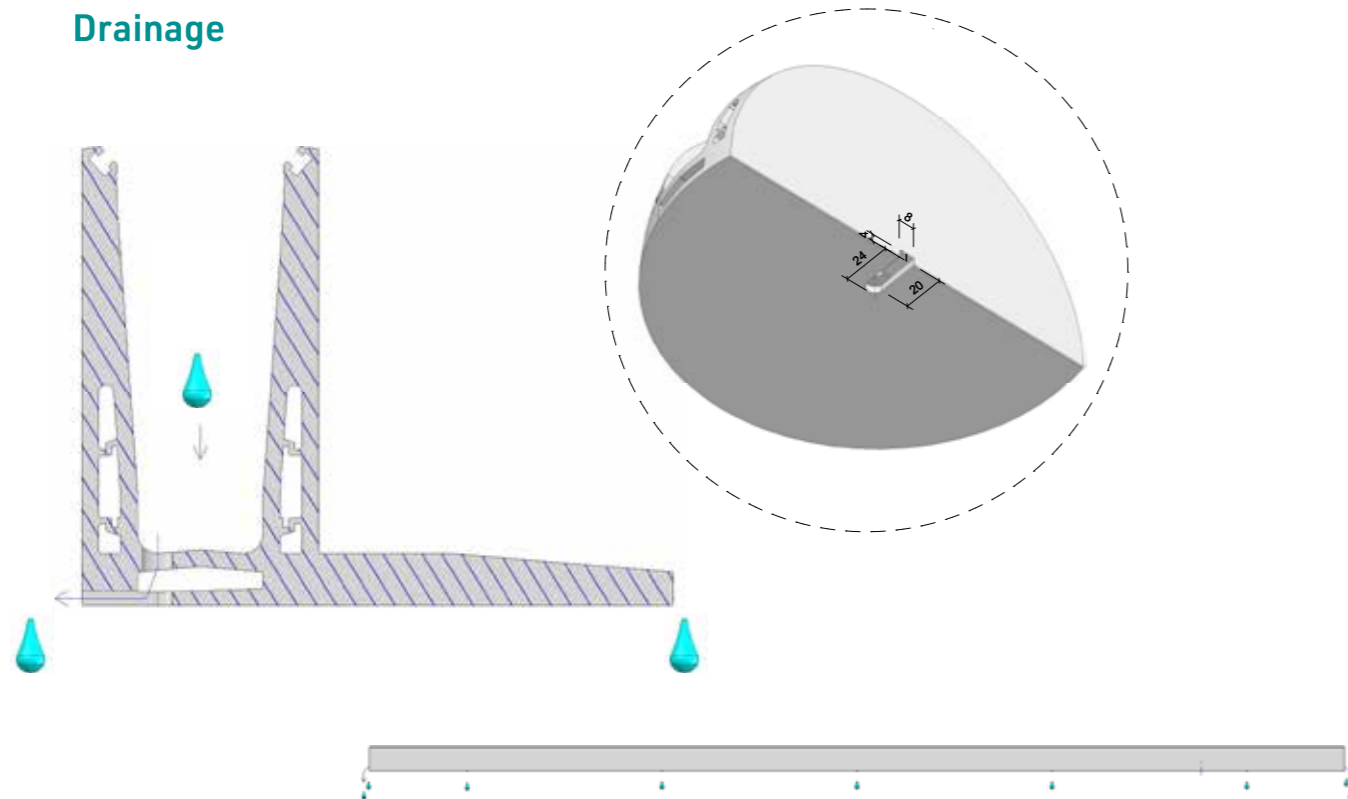
- Anchor set for mounting on wood
SU = 20

Material	Article number
	Rampa Ø22x80 + Bolt M12x40
Zinc-plated steel	SP.200.2000.1204.81
Stainless steel A4	SP.200.2000.1204.31

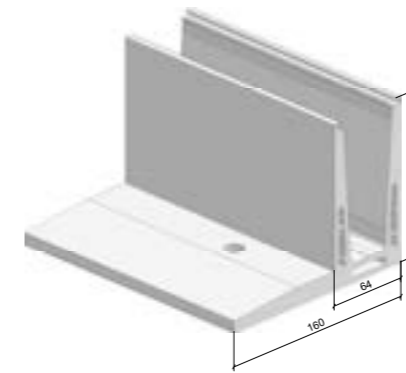
Technical details



Drainage



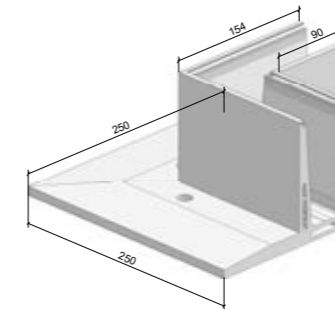
Glass profile V-Line Top



Material: Aluminium
 Height x width: 124 x 160 mm (U = 64 mm width)
 Length: 5000 mm
 SU = 1

Finish	Article number
Mill finish	SP.300.9520.0050.10
Natural anodized	SP.300.9520.0050.11

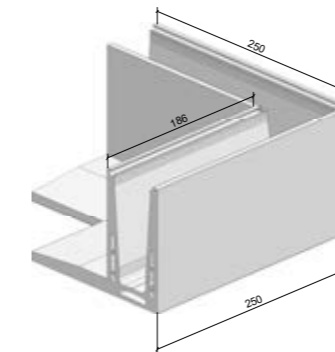
Corner (outside)



Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

Finish	Article number
Mill finish	SP.300.9520.2001.10
Natural anodized	SP.300.9520.2001.11

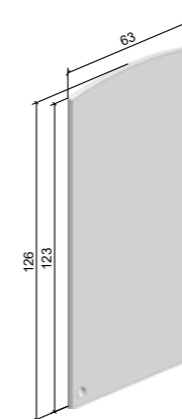
Corner (inside)



Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

Finish	Article number
Mill finish	SP.300.9520.2002.10
Natural anodized	SP.300.9520.2002.11

End cap glass profile



Material: Aluminium

- For both left and right side
 - For mounting with mounting kit
 SU = 1

Finish	Article number
Mill finish	SP.400.0450.9520.10
Natural anodized	SP.400.0450.9520.11

2kN

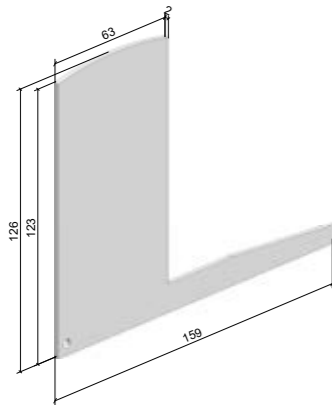
3

V-LINE SYSTEM

2kN

3

V-LINE SYSTEM



End cap glass profile incl. flange

Material: Aluminium

- For both left and right side
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0451.9520.10
Natural anodized	SP.400.0451.9520.11

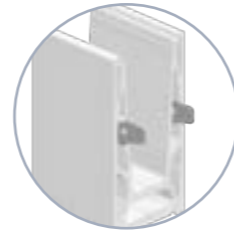


Profile connector

Material: Stainless steel 316

- For straight connection of glass profiles
- SU = 1

Article number
SP.400.2200.2250.31

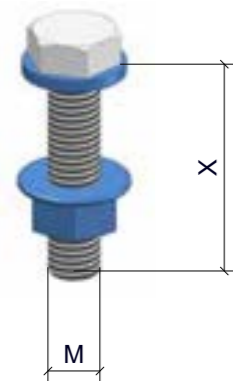
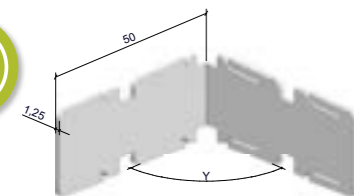


Connector 90°

Material: Stainless steel 316

- For connection of glass profiles in mitered corners
- SU = 1

Article number
SP.600.2240.2600.31



Anchor set for steel

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting profile on a steel construction (max. 20 mm thickness)
- SU = 20

M10: bolt, 2x lock ring, flange nut. M12: bolt, lock ring, flange nut.

Material	Article number	Article number
	M10x50	M12x50
Zinc-plated steel	SP.200.5000.1005.81	SP.200.5000.1205.81
Stainless steel A4	SP.200.5000.1005.31	SP.200.5000.1205.31



Anchor set for concrete (mechanical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mechanical anchoring in concrete
- SU = 25 of 50

Material	Article number	Article number
	M10x90 (SU = 50)	M12x145 (SU = 25)
Zinc-plated steel	SP.200.4000.1009.81	SP.200.4000.1214.81
Stainless steel A4	SP.200.4000.1009.31	SP.200.4000.1214.31



Anchor set for concrete (chemical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for chemical anchoring in concrete (excl. anchor mortar)
- SU = 20

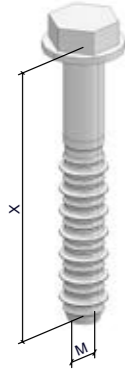
Material	Article number	Article number
	M10x100	M12x160
Zinc-plated steel	SP.200.1000.1010.81	SP.200.1000.1216.81
Stainless steel A4	SP.200.1000.1010.31	SP.200.1000.1216.31



Chemical anchor mortar

- Chemical anchor mortar, for dry and wet, cracked or not, concrete
 - For ± 30 anchors, including 2 mixing nozzles
- SU = 1

	Article number
Hilti HIT-HY 200	SP.200.0200.0500.00

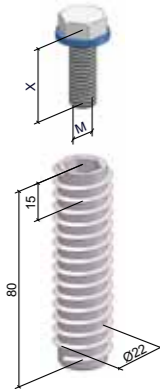


Anchor set for concrete (screw anchor)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for screw anchoring in concrete
SU = 25 of 50

Material	Article number	Article number
	M10x100 (SU = 50)	M10x105 (SU = 25)
Zinc-plated steel	SP.200.3000.1010.81	
Stainless steel A4		SP.200.3000.1010.31



Anchor set for wood

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting on wood
SU = 20

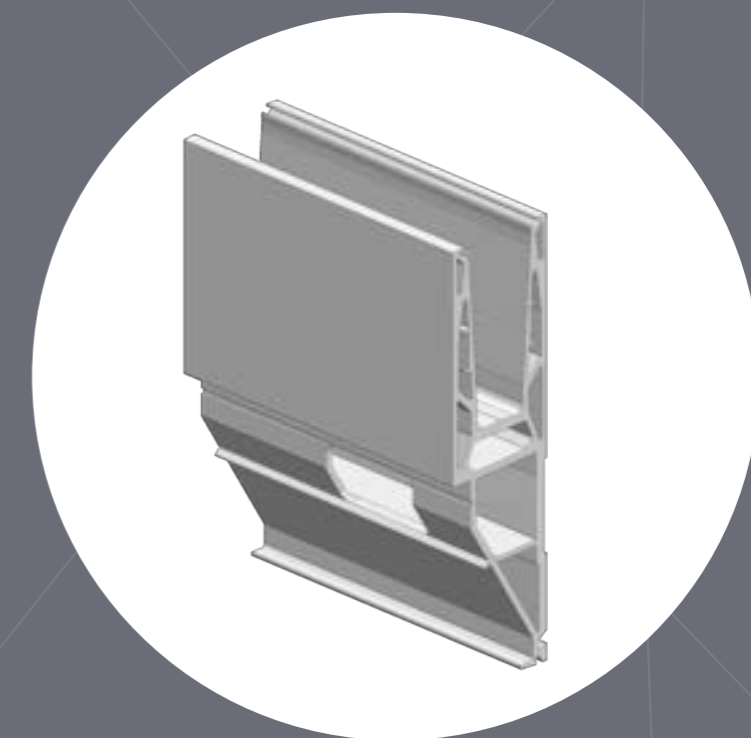
Material	Article number
	Rampa Ø22x80 + Bolt M12x40
Zinc-plated steel	SP.200.2000.1204.81
Stainless steel A4	SP.200.2000.1204.31

A beautiful glass balustrade provides a light and spacious effect and is a surprising and stylish element in a design.

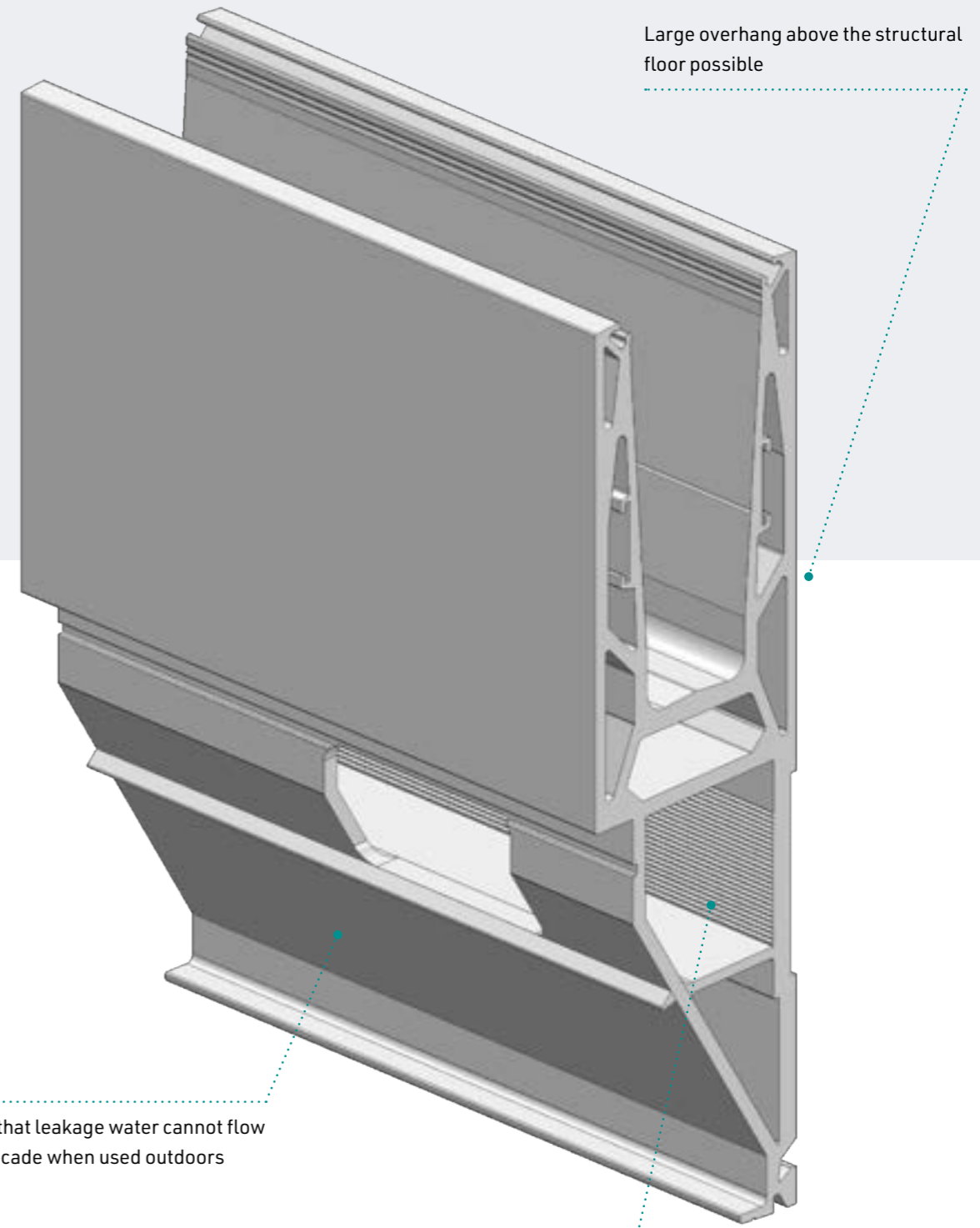
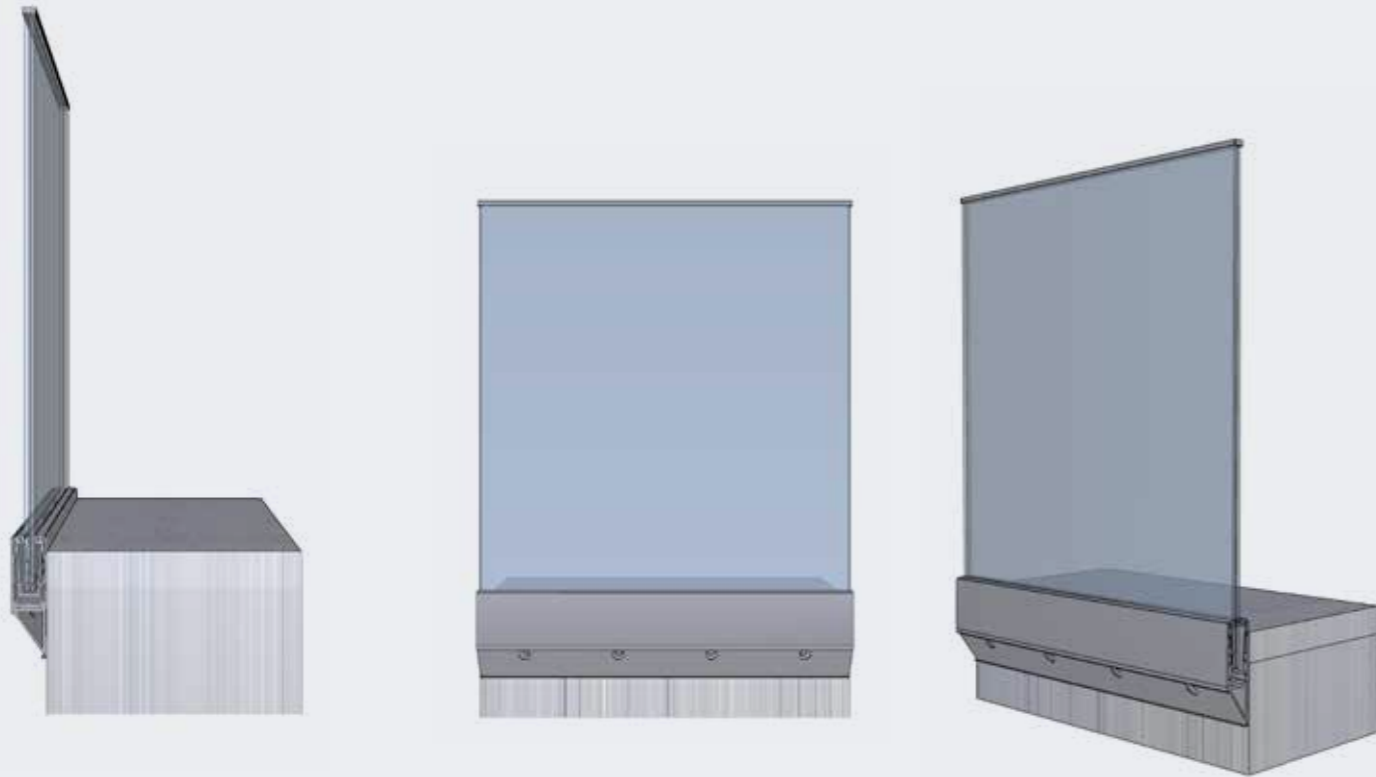


Y-LINE SYSTEM

Specifications and applications	62
1kN Technical details	64
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System parts	65
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Drainage	70
System parts	71



De Vrijburght - Drachten

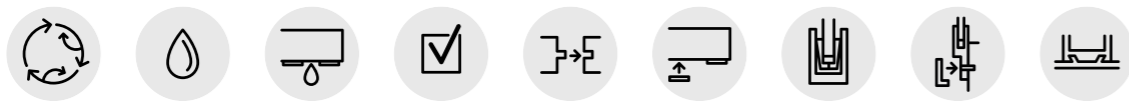


PRODUCT CHARACTERISTICS

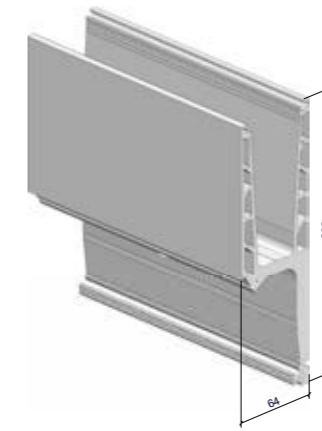
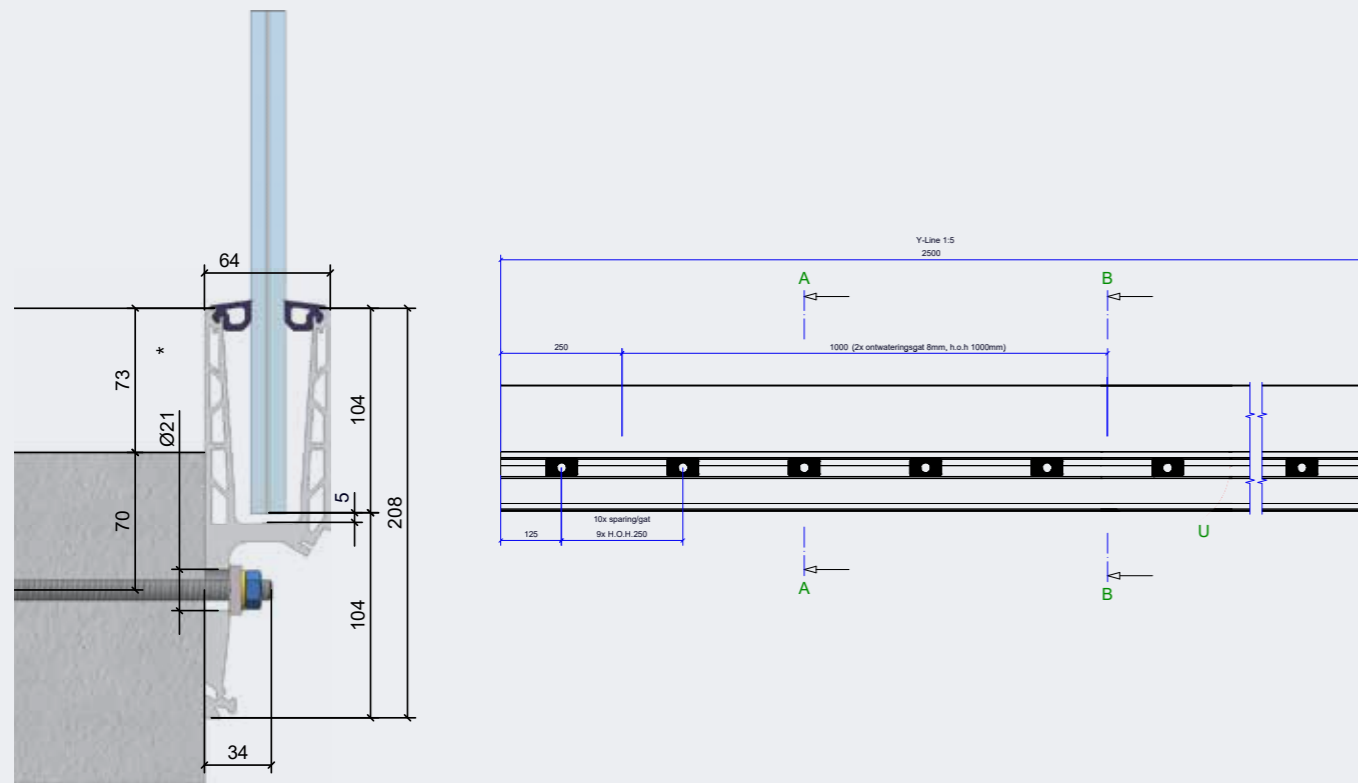
With the Y-Line profiles, SPARQ offers maximum flexibility in details where side mounting is desired. The base plate offers the possibility of variably determining the height of the profile above the structural floor. Ideal in situations where there is a detail with a screed, insulation layer or other form of finishing on top of the construction. The Y-Line is of course suitable for mounting on all surfaces. A cover is available for finishing the mounting holes.

SPECIFICATIONS AND APPLICATIONS

	1kN variant	2kN variant
Wind load	up to 0,81 kN/m ² in case of a balustrade height of 1,20 m from top profile	up to 1,72 kN/m ² in case of a balustrade height of 1,20 m from top profile
Glass thickness	6/6, 8/8, 10/10 and 12/12	6/6, 8/8, 10/10 and 12/12
Profile attachment	250 mm	250 mm
Profile dimensions (h x w)	64 x 208 mm	70 x 260 mm
Available in any RAL-color of your choice	Yes	Yes
Prefabricated to custom size available	Yes	Yes



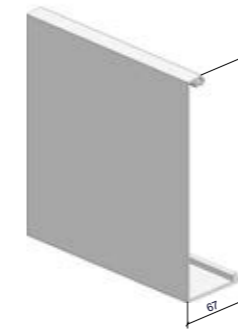
Technical details



Glass profile Y-Line Sid 1kN

Material: Aluminium
 Height x width: 208 x 64 mm
 Length: 5000 mm
 SU = 1

Finish	Article number
Mill finish	SP.300.3511.0050.10
Natural anodized	SP.300.3511.0050.11

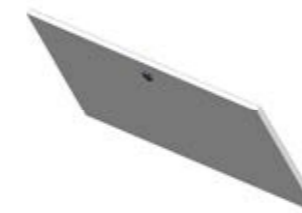
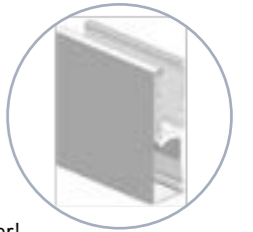


Cover

Material: Aluminium
 Height x width: 216 x 67 mm
 Length: 5000 mm
 SU = 1

Simply clicks around the glass profile. Note the use of associated rubber!

Finish	Article number
Mill finish	SP.300.3511.2050.10
Natural anodized	SP.300.3511.2050.11

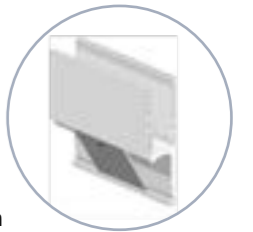


Profile stiffener

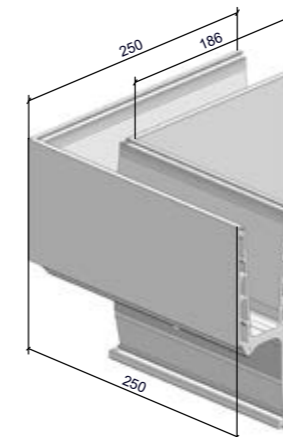
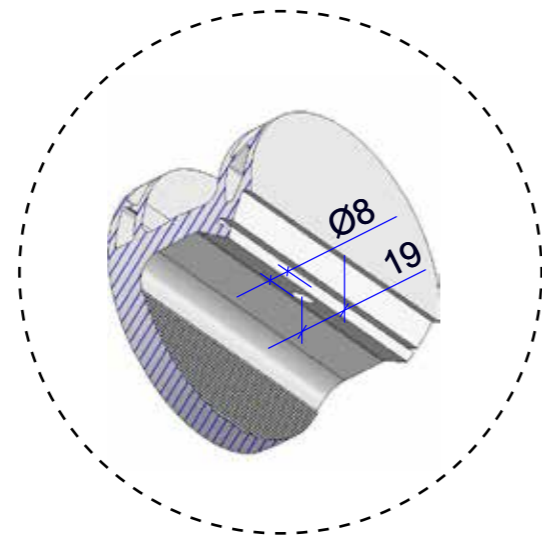
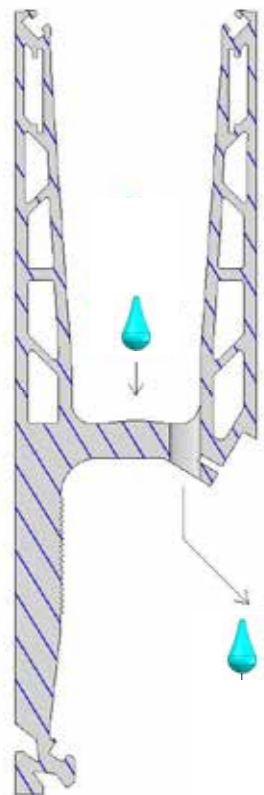
Material: Aluminium
 Length: 100 x 100mm
 SU = 20

To be installed center-to-center 250 mm between the anchors to stiffen the profile and thereby significantly limit the deflection of the balustrade structure. It easily slides into the profile and can be secured with screws in the pre-drilled holes. Also applicable including a cover cap.

Finish	Article number
Natural anodized	SP.300.1010.3511.11



Drainage



Corner (outside)

Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

Alternatively, the U-Line Top corner piece (SP.300.6510.2002.xx) can also be used. Then connect this to the Y-Line profile with the profile connector (SP.400.2200.2250.31).

Finish	Article number
Mill finish	SP.300.3511.2001.10
Natural anodized	SP.300.3511.2001.11

1kN

1kN

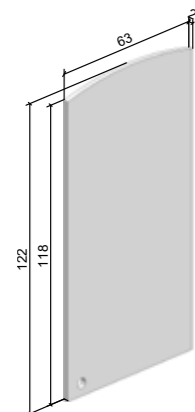


Corner (inside)

Material: Aluminium
 Length: 250 x 250 mm
 SU = 1

Alternatively, the U-Line Top corner piece (SP.300.6510.2002.xx) can also be used. Then connect this to the Y-Line profile with the profile connector (SP.400.2200.2250.31).

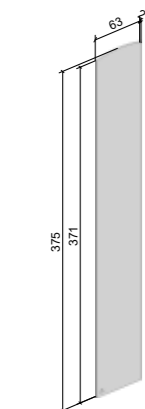
Finish	Article number
Mill finish	SP.300.3511.2002.10
Natural anodized	SP.300.3511.2002.11



End cap glass profile

Material: Aluminium
 - For both left and right side (when used without cover)
 - For mounting with mounting kit
 SU = 1

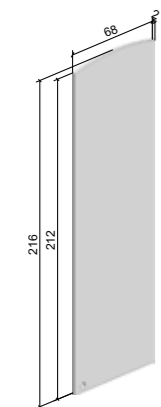
Finish	Article number
Mill finish	SP.400.0450.9510.10
Natural anodized	SP.400.0450.9510.11



End cap glass profile stairs

Material: Aluminium
 - For both left and right side (when used without cover)
 - Can be shortened to size based on the angle of inclination of the stairs
 - For mounting with mounting kit
 SU = 1

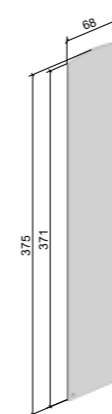
Finish	Article number
Mill finish	SP.400.0452.3511.10
Natural anodized	SP.400.0452.3511.11



End cap glass profile with cover

Material: Aluminium
 - For both left and right side (when used with cover)
 - For mounting with mounting kit
 SU = 1

Finish	Article number
Mill finish	SP.400.0450.3511.10
Natural anodized	SP.400.0450.3511.11



End cap glass profile stairs with cover

Material: Aluminium
 - For both left and right side (when used with cover)
 - Can be shortened to size based on the angle of inclination of the stairs
 - For mounting with mounting kit
 SU = 1

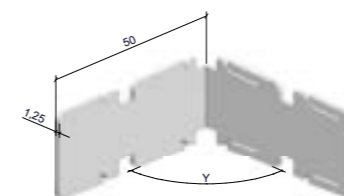
Finish	Article number
Mill finish	SP.400.0451.3511.10
Natural anodized	SP.400.0451.3511.11



Profile connector

Material: Stainless steel 316
 - For straight connection of glass profiles
 SU = 1

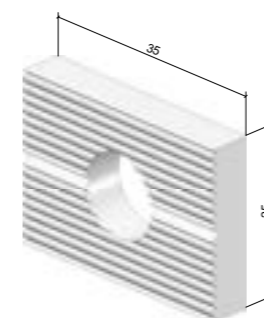
Article number
SP.400.2200.2250.31



Connector 90°

Material: Stainless steel 316
 - For connection of glass profiles in mitered corners
 SU = 1

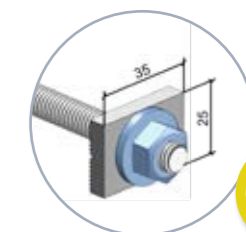
Article number
SP.600.2240.2600.31

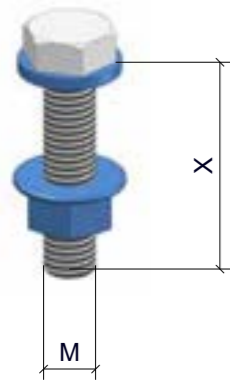


Mounting block

Material: Aluminium, Natural anodized
 - For precise height adjustment of the glass profile
 - To be applied at the location of each anchor
 SU = 20

	Article number
M10	SP.200.3525.1050.11
M12	SP.200.3525.1250.11





Anchor set for steel

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting profile on a steel construction (max. 20 mm thickness)
SU = 20

Bolt, 2x lock ring, flange nut.

Material	Article number
	M10x50
Zinc-plated steel	SP.200.5000.1005.81
Stainless steel A4	SP.200.5000.1005.31



Anchor set for concrete (mechanical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mechanical anchoring in concrete
SU = 25

Material	Article number
	M12x125
Zinc-plated steel	SP.200.4000.1212.81
Stainless steel A4	SP.100.4000.1212.31

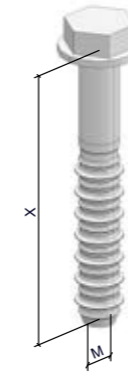


Anchor set for concrete (chemical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for chemical anchoring in concrete (excl. anchor mortar)
SU = 20

Material	Article number
	M12x120
Zinc-plated steel	SP.200.1000.1212.81
Stainless steel A4	SP.200.1000.1212.31

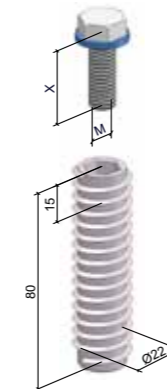


Anchor set for concrete (screw anchor)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for screw anchoring in concrete
SU = 25 of 50

Material	Article number	Article number
	M10x100 (SU = 50)	M10x105 (SU = 25)
Zinc-plated steel	SP.200.3000.1010.81	
Stainless steel A4		SP.200.3000.1010.31

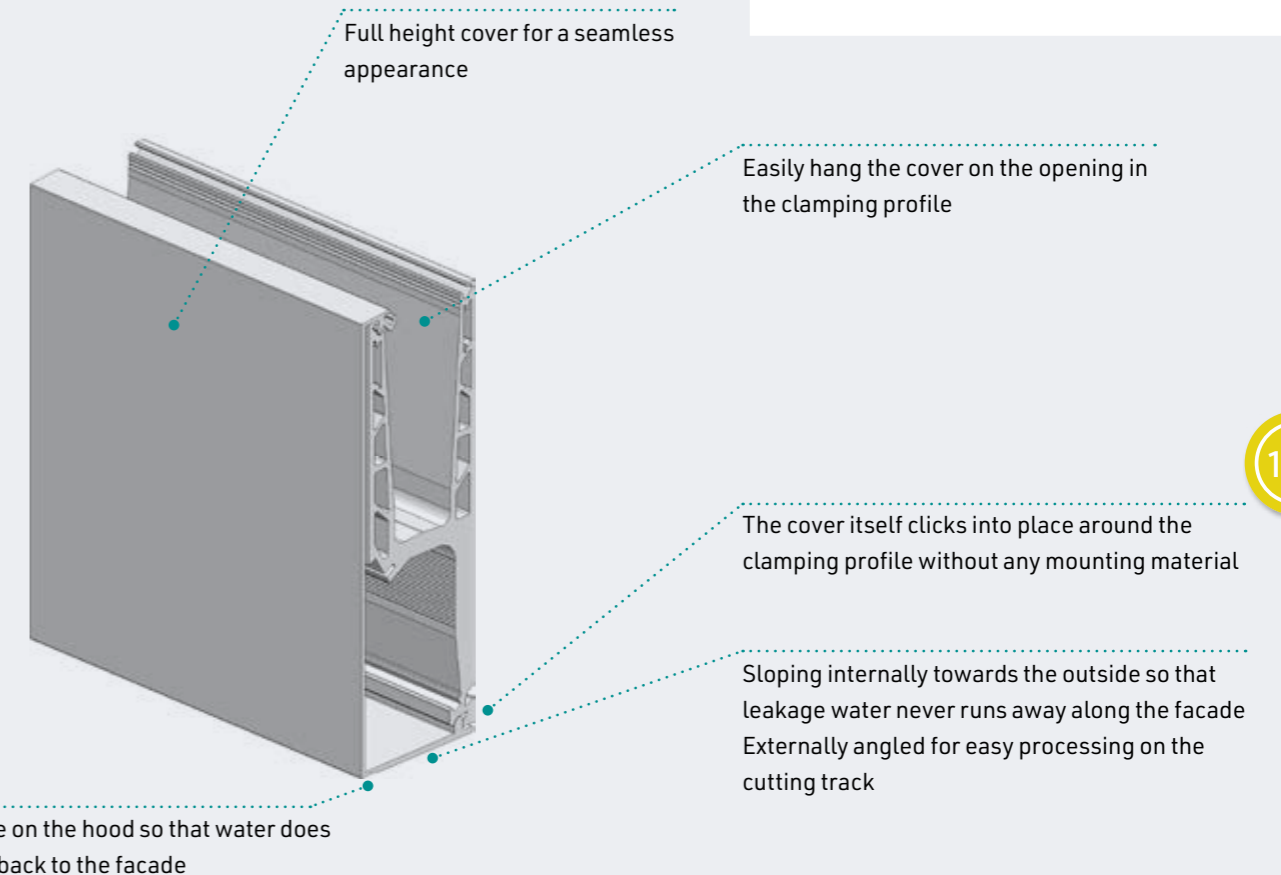


Anchor set for wood

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting on wood
SU = 20

Material	Article number
	Rampa Ø22x80 + Bolt M12x40
Zinc-plated steel	SP.200.2000.1204.81
Stainless steel A4	SP.200.2000.1204.31



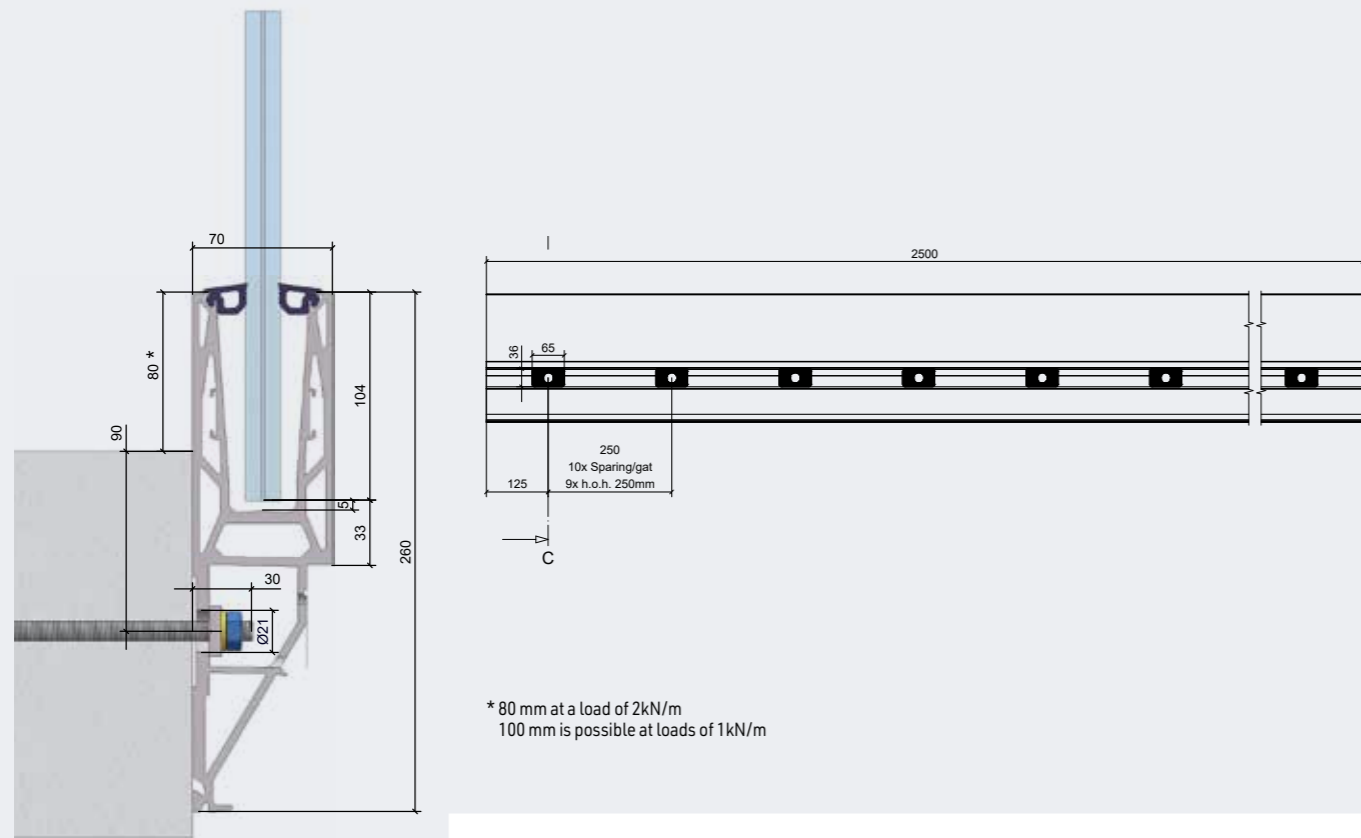
Chemical anchor mortar

- Chemical anchor mortar, for dry and wet, cracked or not, concrete
- For ± 30 anchors, including 2 mixing nozzles
SU = 1

	Article number
Hilti HIT-HY 200	SP.200.0200.0500.00

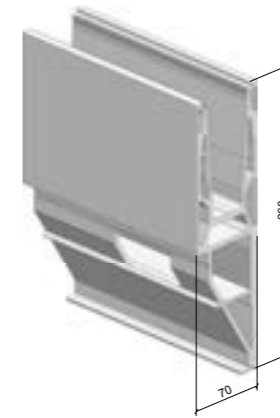
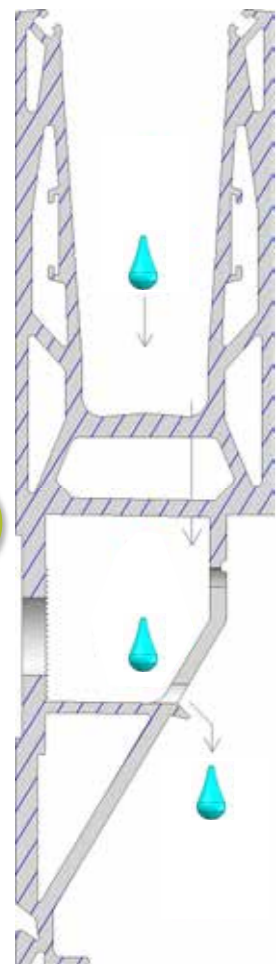


Technical details



* 80 mm at a load of 2kN/m
100 mm is possible at loads of 1kN/m

Drainage



Glass profile Y-Line Side

Material: Aluminium
Height x width: 260 x 70 mm
Length: 5000 mm
SU = 1

Finish	Article number
Mill finish	SP.300.3521.0025.10
Natural anodized	SP.300.3521.0025.11



Cover

Material: Aluminium
Height x width: 265 x 75 mm
Length: 2500 mm
SU = 1

Simply clicks around the glass profile. Note the use of associated rubber!

Finish	Article number
Mill finish	SP.300.3521.2025.10
Natural anodized	SP.300.3521.2025.11



Corner (outside)

Material: Aluminium
Length: 250 x 250 mm
SU = 1

Alternatively, the U-Line Top corner piece (SP.300.6520.2001.xx) can also be used. Then connect this to the Y-Line profile with the profile connector (SP.400.2200.2250.31).

Finish	Article number
Mill finish	SP.300.3521.2001.10
Natural anodized	SP.300.3521.2001.11

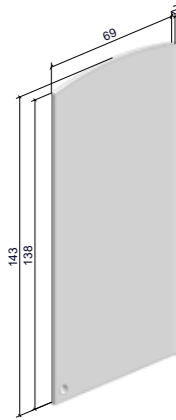


Corner (inside)

Material: Aluminium
Length: 250 x 250 mm
SU = 1

Alternatively, the U-Line Top corner piece (SP.300.6520.2001.xx) can also be used. Then connect this to the Y-Line profile with the profile connector (SP.400.2200.2250.31).

Finish	Article number
Mill finish	SP.300.3521.2002.10
Natural anodized	SP.300.3521.2002.11

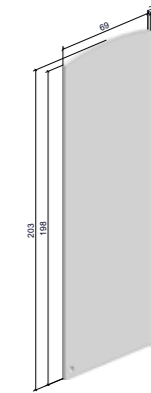


End cap glass profile

Material: Aluminium

- For both left and right side (when used without cover)
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0450.6520.10
Natural anodized	SP.400.0450.6520.11

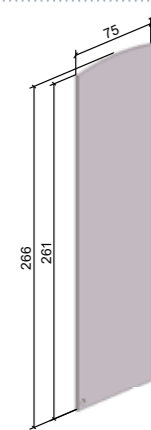


End cap glass profile stairs

Material: Aluminium

- For both left and right side (when used without cover)
 - Can be shortened to size based on the angle of inclination of the stairs
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0451.6520.10
Natural anodized	SP.400.0451.6520.11

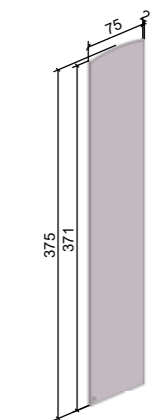


End cap glass profile with cover

Material: Aluminium

- For both left and right side (when used with cover)
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0450.3521.10
Natural anodized	SP.400.0450.3521.11



End cap glass profile stairs with cover

Material: Aluminium

- For both left and right side (when used with cover)
 - Can be shortened to size based on the angle of inclination of the stairs
 - For mounting with mounting kit
- SU = 1

Finish	Article number
Mill finish	SP.400.0451.3521.10
Natural anodized	SP.400.0451.3521.11

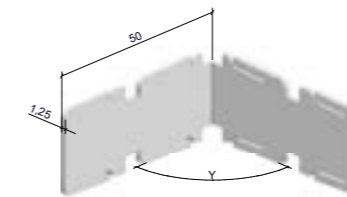
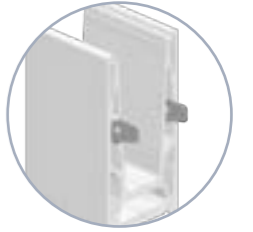


Profile connector

Material: Stainless steel 316

- For straight connection of glass profiles
- SU = 1

Article number
SP.400.2200.2250.31

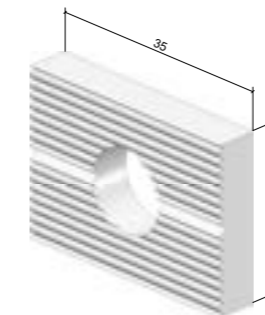


Connector 90°

Material: Stainless steel 316

- For connection of glass profiles in mitered corners
- SU = 1

Article number
SP.600.2240.2600.31

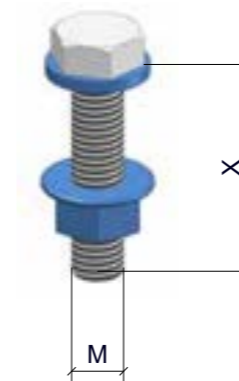
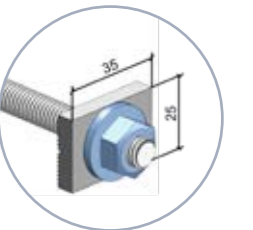


Mounting block

Material: Aluminium, Natural anodized

- For precise height adjustment of the glass profile
 - To be applied at the location of each anchor
- SU = 20

	Article number
M10	SP.200.3525.1050.11
M12	SP.200.3525.1250.11



Anchor set for steel

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting profile on a steel construction (max. 20 mm thickness)
- SU = 20

M10: bolt, 2x lock ring, flange nut.

Material	Article number
	M10x50
Zinc-plated steel	SP.200.5000.1005.81
Stainless steel A4	SP.200.5000.1005.31



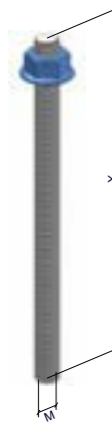


Anchor set for concrete (mechanical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mechanical anchoring in concrete
SU = 40

Material	Article number
	M10x110
Zinc-plated steel	SP.200.4000.1011.81
Stainless steel A4	SP.200.4000.1011.31



Anchor set for concrete (chemical)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for chemical anchoring in concrete (excl. anchor mortar)
SU = 20

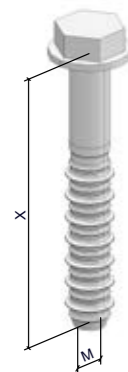
Material	Article number	Article number
	M10x120	M10x180
Zinc-plated steel	SP.200.1000.1012.81	SP.200.1000.1018.81
Stainless steel A4	SP.200.1000.1012.31	SP.200.1000.1018.31



Chemical anchor mortar

- Chemical anchor mortar, for dry and wet, cracked or not, concrete
- For ± 30 anchors, including 2 mixing nozzles
SU = 1

	Article number
Hilti HIT-HY 200	SP.200.0200.0500.00

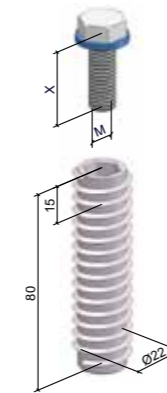


Anchor set for concrete (screw anchor)

Material: Zinc-plated steel or stainless steel A4

- Anchor set for screw anchoring in concrete
SU = 25 of 50

Material	Article number	Article number
	M10x100 (SU = 50)	M10x105 (SU = 25)
Zinc-plated steel	SP.200.3000.1010.81	
Stainless steel A4		SP.200.3000.1010.31

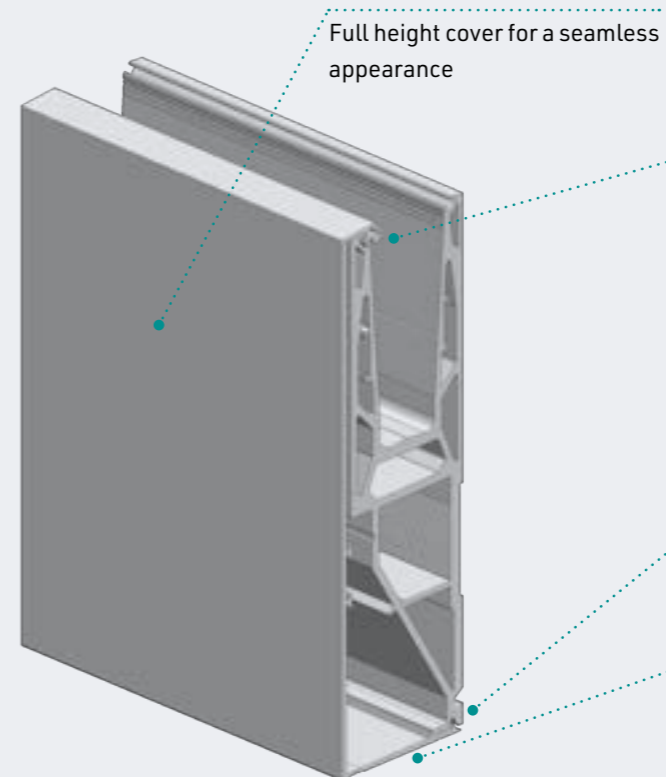


Anchor set for wood

Material: Zinc-plated steel or stainless steel A4

- Anchor set for mounting on wood
SU = 20

Material	Article number
	Rampa Ø22x80 + Bolt M12x40
Zinc-plated steel	SP.200.2000.1204.81
Stainless steel A4	SP.200.2000.1204.31



Full height cover for a seamless appearance

Easily hang the cover on the opening in the clamping profile

The cover itself clicks into place around the clamping profile without any mounting material

Sloping internally towards the outside so that leakage water never runs away along the facade
Externally angled for easy processing on the cutting track

Drip nose on the hood so that water does not flow back to the facade



6KLM ASML - Veldhoven



SPACER

Aluminum spacer

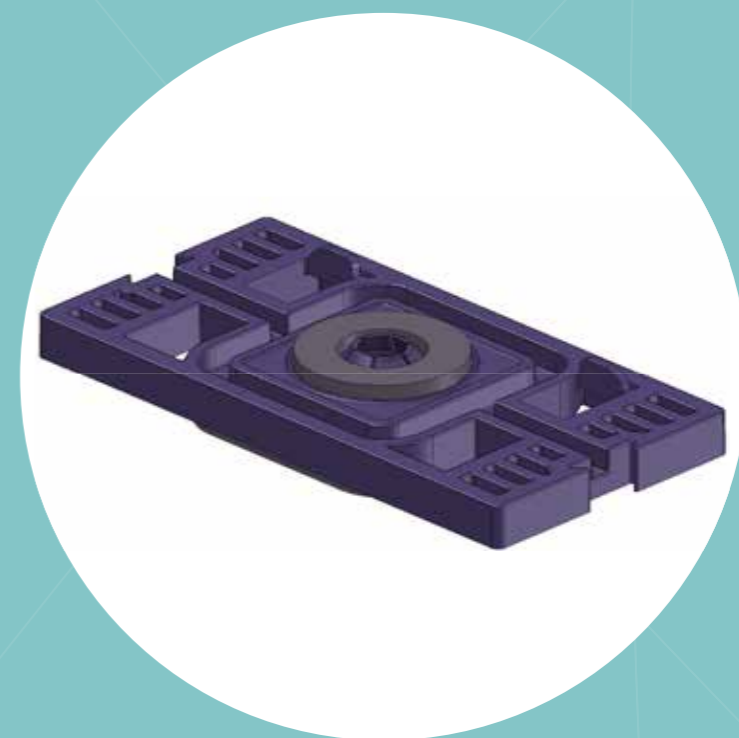
Product characteristics 76

System parts 77

Plastic (waterproof) spacer

Product characteristics 78

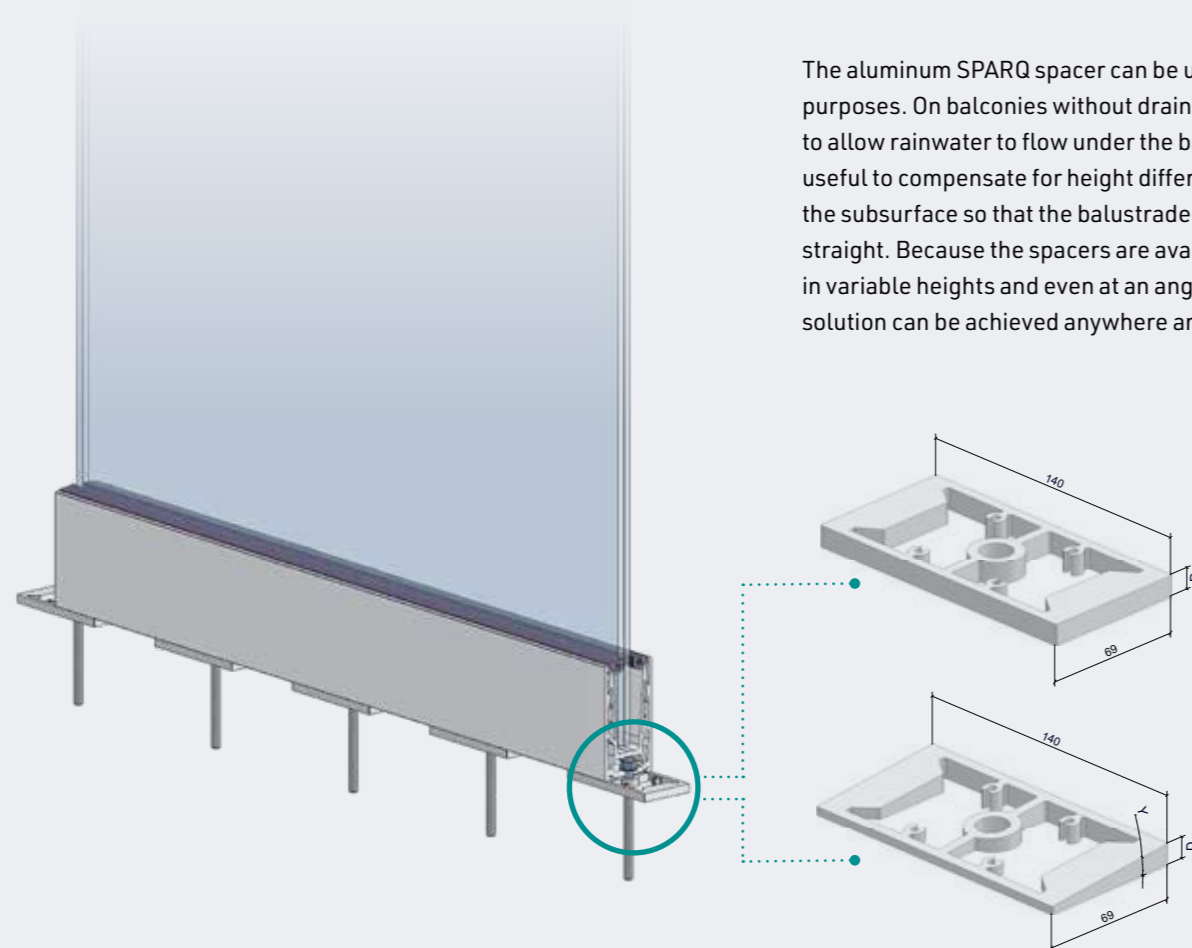
System parts 80





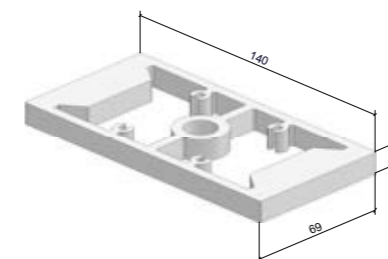
PRODUCT CHARACTERISTICS

The aluminum SPARQ spacer can be used for various purposes. On balconies without drainage, it can be used to allow rainwater to flow under the balustrade. It is also useful to compensate for height differences and slope in the subsurface so that the balustrade is always 100% straight. Because the spacers are available or can be sawn in variable heights and even at an angle, a perfectly fitting solution can be achieved anywhere and anytime.



Spacer

Material: Aluminium
Length x width: 140 x 70 mm



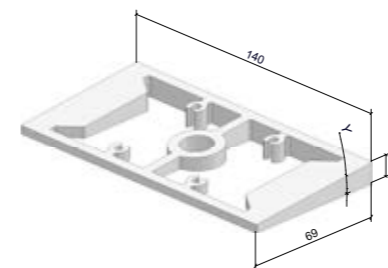
- Can be cut to any thickness
- Available in 2500 mm or sawn in blocks of various thicknesses

	Article number	Article number
	Mill finish	Natural anodized
D = 5 mm (SU = 20)	SP.200.1407.0500.10	SP.200.1407.0500.11
D = 10 mm (SU = 20)	SP.200.1407.1000.10	SP.200.1407.1000.11
D = 15 mm (SU = 20)	SP.200.1407.1500.10	SP.200.1407.1500.11
D = 20 mm (SU = 20)	SP.200.1407.2000.10	SP.200.1407.2000.11
D = 30 mm (SU = 20)	SP.200.1407.3000.10	SP.200.1407.3000.11
D = 2500 mm (SU = 1)	SP.200.1407.0025.10	SP.200.1407.0025.11

Spacer oblique

Material: Aluminium

- Can be cut to any thickness and at any desired angle, both in width and length direction. Specify the desired thickness, angle and angle direction with your order.
- SU = 1

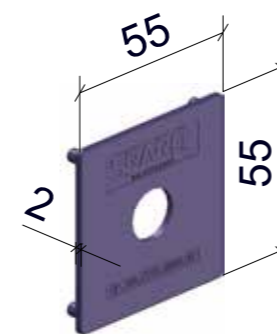


Finish	Article number
Mill finish	SP.200.1407.9999.10
Natural anodized	SP.200.1407.9999.11

Centering plate spacer

Material: Plastic

- For the perfect centering of spacers under the glass profile
- SU = 20 or 180



	Article number
SU = 20	SP.200.5555.0050.00
SU = 180	SP.200.5555.0450.00

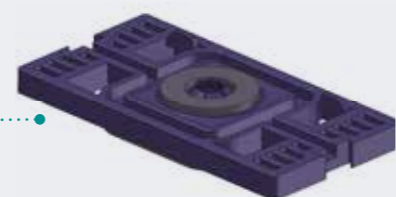
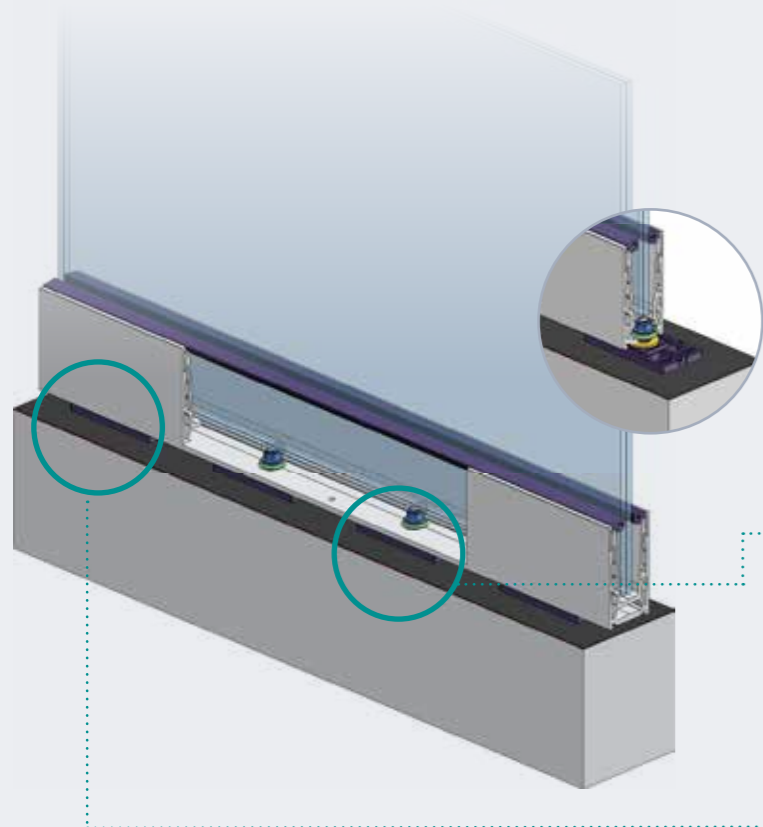


PLASTIC SPACER

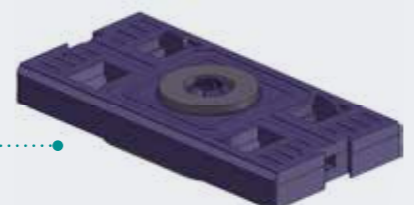


PRODUCT CHARACTERISTICS

The plastic spacer is the solution for accurately filling SPARQ glass balustrades. In addition to its application for height adjustment and drainage, this product excels due to its unique waterproofing function. In combination with the anchor seals, the filler block ensures a reliable, waterproof finish for penetrations in roofing membranes. This prevents leaks and enhances the durability of your structure. An innovative product that effectively addresses a common problem in balustrade construction.



Spacer with seal



Spacer with seal, stacked with transition block

Extension Block 20 mm

Material: Plastic
Length: 20 mm

- For extending the plastic filling block by 20 mm. Ideal for use in combination with the V-Line or Y-Line profile. These extension blocks increase the filling block from 140 mm to 160 mm or 180 mm.
Packaging Unit (PU): 40, sufficient for two-sided extension (up to 180 mm) over 5 meters of balustrade.



	Article number		Article number
D = 2 mm	SP.200.8502.0050.00	D = 6 mm	SP.200.8506.0050.00
D = 3 mm	SP.200.8503.0050.00	D = 10 mm	SP.200.8510.0050.00
D = 4 mm	SP.200.8504.0050.00	D = 15 mm	SP.200.8515.0050.00
D = 5 mm	SP.200.8505.0050.00	D = 20 mm	SP.200.8520.0050.00

Spacer

Material: Plastic
Length x width: 140 x 70 mm

- Stackable so that different heights can be achieved.
SU = 20, sufficient for 5 m of balustrade

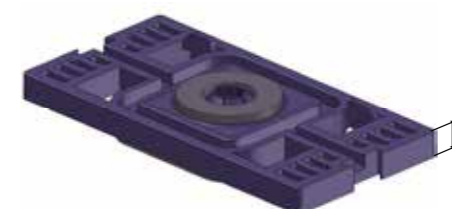


	Article number		Article number
D = 2 mm	SP.200.8102.0050.00	D = 6 mm	SP.200.8106.0050.00
D = 3 mm	SP.200.8103.0050.00	D = 10 mm	SP.200.8110.0050.00
D = 4 mm	SP.200.8104.0050.00	D = 15 mm	SP.200.8115.0050.00
D = 5 mm	SP.200.8105.0050.00	D = 20 mm	SP.200.8120.0050.00

Spacer with seal

Material: Plastic and EPDM
Length x width: 140 x 70 mm

- For a waterproof connection between the spacer block and the profile, and between the spacer block and the substrate. Prevents water ingress along the anchor. For a complete seal, the anchor seal is also necessary!
- Stackable so that different heights can be achieved.
SU=20, sufficient for 5 m of balustrade

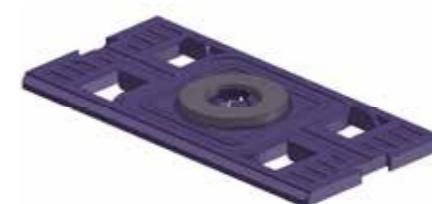


	Article number		Article number
D = 2 mm	SP.200.8002.0050.00	D = 6 mm	SP.200.8006.0050.00
D = 3 mm	SP.200.8003.0050.00	D = 10 mm	SP.200.8010.0050.00
D = 4 mm	SP.200.8004.0050.00	D = 15 mm	SP.200.8015.0050.00
D = 5 mm	SP.200.8005.0050.00	D = 20 mm	SP.200.8020.0050.00

Transition block U-Line Top 1kN

Material: Plastic
Length x Width: 140 x 70 mm, tapering to 64 mm
Thickness: 5 mm

- For connecting the plastic spacer blocks to the narrower U-Line 1kN glass profile
- Stackable on top of the standard 70 mm wide spacer blocks
Packaging Unit (PU): 20, sufficient for 5 meters of balustrade profile

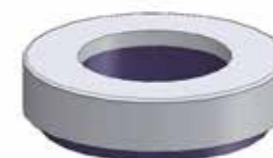


	Article number
Transition block	SP.200.8199.0050.00
Transition block with seal	SP.200.8099.0050.00

Anchor seal

Material: Stainless steel

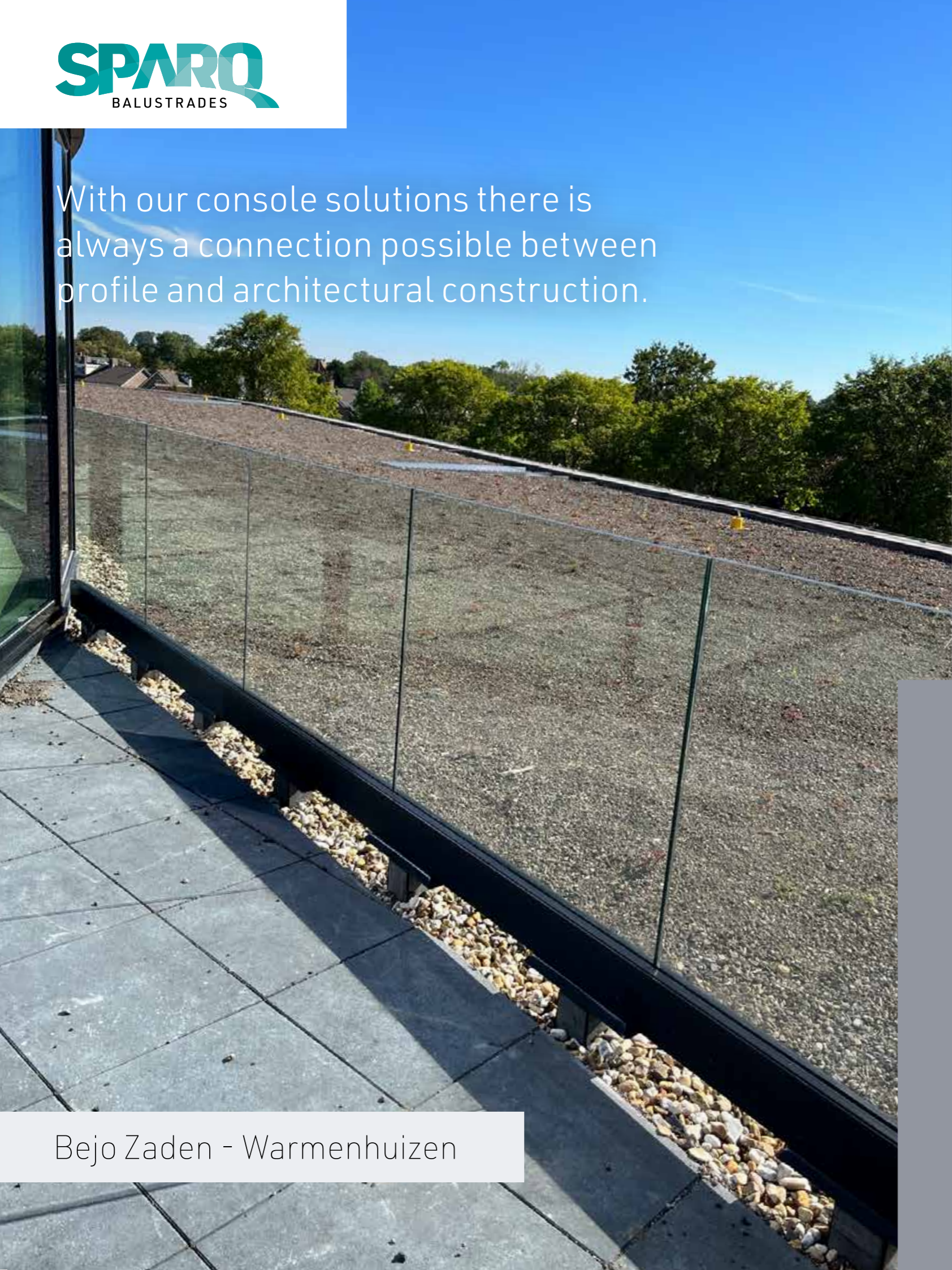
- For a waterproof seal of the anchor in the glass profile. Prevents water ingress along the anchor from the glass profile. For a complete seal, the filler block with waterproofing is also necessary!
SU = 20, sufficient for 5 meters of balustrade profile.



	Article number
Anchor seal M10	SP.200.7010.0050.00
Anchor seal M12	SP.200.7012.0050.00



With our console solutions there is always a connection possible between profile and architectural construction.

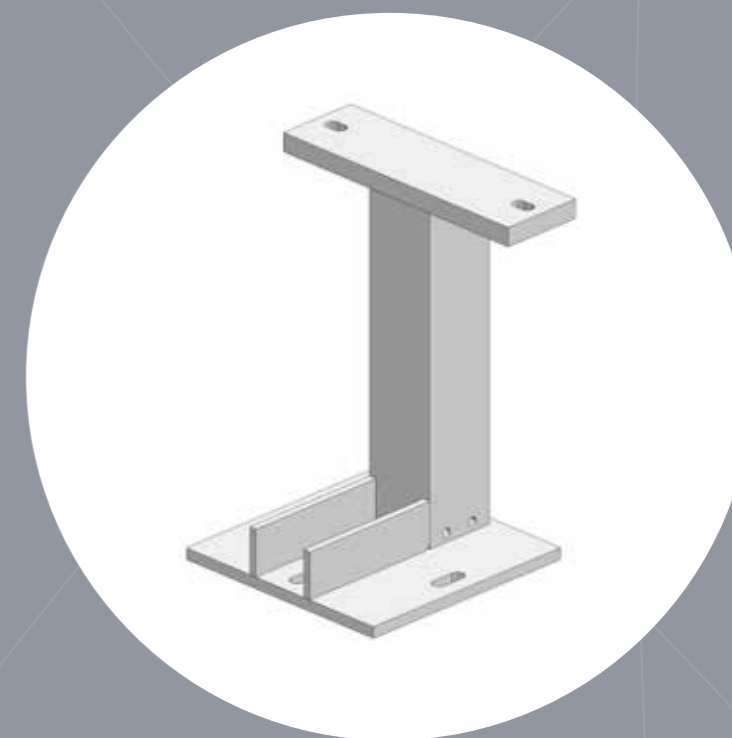


Bejo Zaden - Warmenhuizen



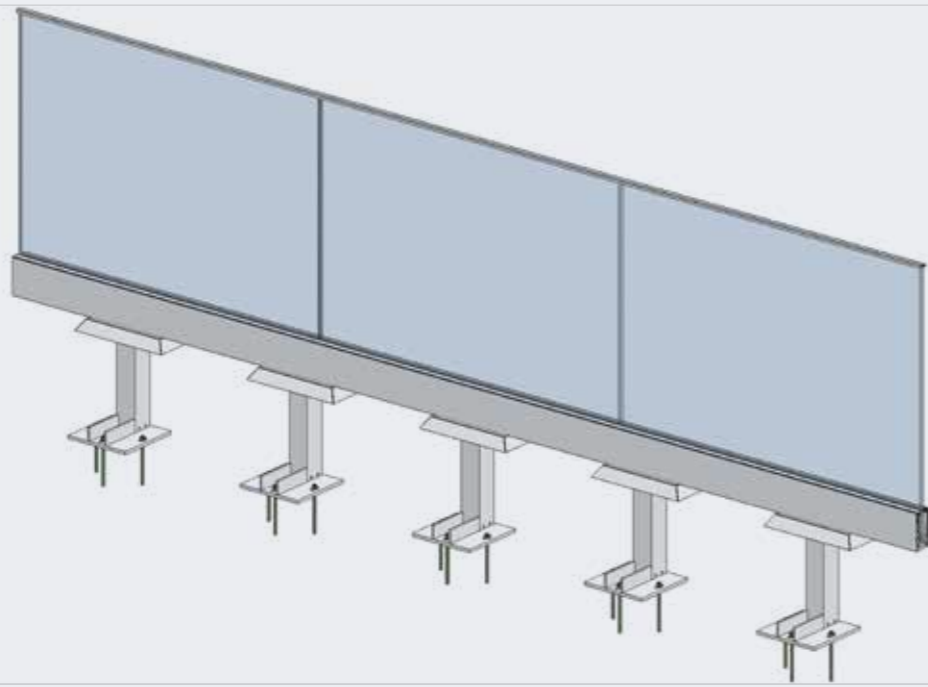
CONSOLES

Product characteristics	84
Consoles	84



PRODUCT CHARACTERISTICS

The aluminum profiles for the glass balustrade can often not be mounted directly on the structural surface. For example, because there is still insulation or roof covering between the balustrade and the structural substrate. Or because the balustrade must be moved to a specific position or in a specific position where there is simply no (suitable) structural surface. In that situation, our auxiliary steel structures are the solution.



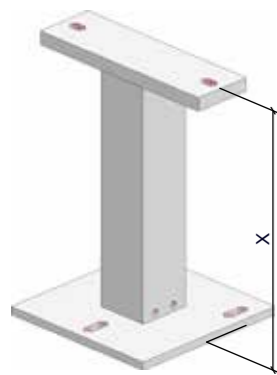
Console top-mount

Ideal for installation of the balustrade on rooftop terraces and very suitable to be gloved into the roof covering. Provided with slotted holes for installation of the console and the glass profile.

Material: Steel, galvanized

- To be installed h.o.h. 500 or 750 mm, depending on specific loads
SU = 1

Available in 2 heights as standard. Please contact us for custom sizes.



	Article number
h = 200 mm	SP.100.6000.2000.81
h = 300 mm	SP.100.6000.3000.81

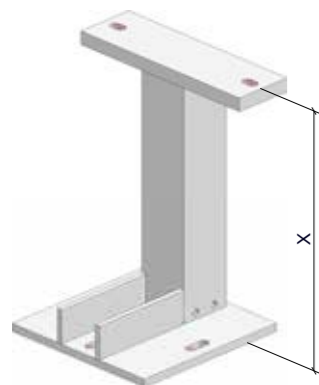
Console top-mount edge

Special design of the top-mount console for installing the balustrade along the edge of floor. Ideal for installation of the balustrade on rooftop terraces and very suitable to be gloved into the roof covering. Provided with slotted holes for installation of the console and the glass profile.

Material: Steel, galvanized

- To be installed h.o.h. 500 or 750 mm, depending on specific loads
SU = 1

Available in 2 heights as standard. Please contact us for custom sizes.



	Article number
h = 200 mm	SP.100.6001.2000.81
h = 300 mm	SP.100.6001.3000.81

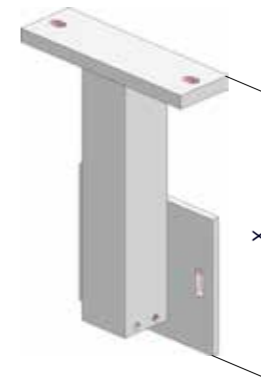
Console side-mount

Ideal for installation of the balustrade on rooftop terraces and very suitable to be gloved into the roof covering. Provided with slotted holes for installation of the console and the glass profile.

Material: Steel, galvanized

- To be installed h.o.h. 500 or 750 mm, depending on specific loads
SU = 1

Available in 2 heights as standard. Please contact us for custom sizes.



	Article number
h = 200 mm	SP.100.6003.2000.81
h = 300 mm	SP.100.6003.3000.81

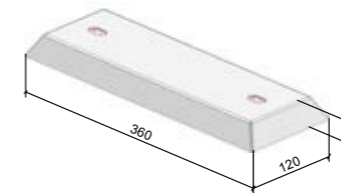
Rain cover SPARQ console

Material: Aluminium

- To be used with both top- and side-mount consoles
SU = 1



Available in any RAL-color of your choice



Finish	Article number
Mill finish	SP.100.3612.0000.10
Natural anodized	SP.100.3612.0000.11

Thermal break block

Compression-resistant thermal break between console and architectural construction (steel/concrete). For use with both the top- and side-mount consoles. Equipped with (slotted) holes.

Length x width: 250 x 250 mm
SU = 1



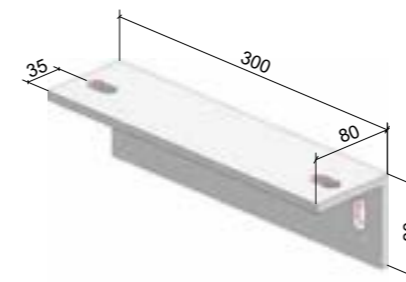
	Article number
Top-montage	SP.100.6990.2525.00
Zij-montage	SP.100.6991.2525.00

Steel L-console

To be used with both top- and side mount glass profiles. Profiles can be installed in, on or against the console. Equipped with slotted holes for installation of the console and the glass profile.

Material: Steel, galvanized
Length: 300 mm

- To be installed h.o.h. 500 or 750 mm, depending on specific loads
SU = 1



	Article number
80 x 80	SP.100.8080.0300.81
100 x 100	SP.100.1010.0300.81

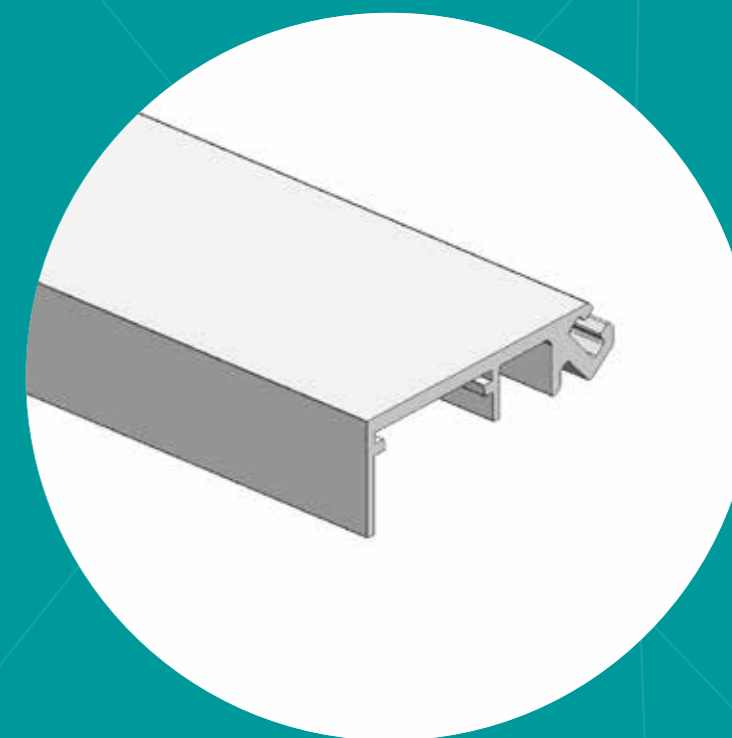
There are many designs and applications possible, both in- and outside.

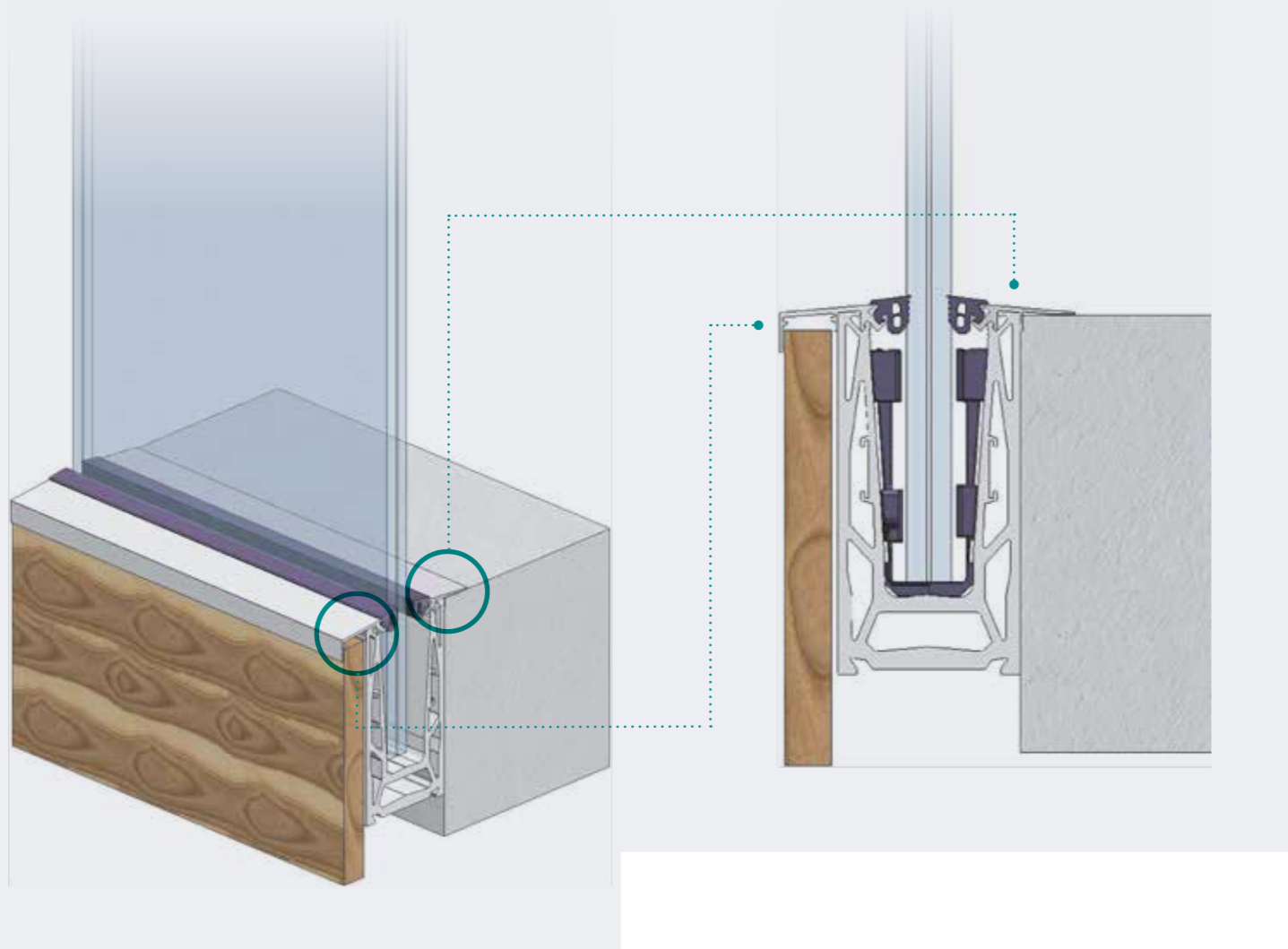
The Cath - Utrecht



TOPCOVERS

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PRODUCT CHARACTERISTICS

A range of finishing profiles has been designed for a high level of finishing and seamless integration of our glass balustrades in your individual project. Finishing profiles for making horizontal connections to the adjacent floor and vertical connections to various finishings of profile, floor edge or facade. The two smallest finishing profiles are also very suitable for realizing a watertight connection to EPDM or another type of watertightness. Unique is the very flat connection of the finishing profiles to the various glass profiles. As a result, the glass rubber is always at the same height as the rubber on the other side of the glass, even when no cover or finishing profile is used on that side. The various finishing profiles can be supplied mill finished, in anodized aluminum or in the RAL-color of your choice.

SPECIFICATIONS AND APPLICATIONS

To combine with:

- U-Line Top en Side
- Y-Line
- V-Line



Available in any RAL-color of your choice



Prefabricated to custom size available



Applicable in combination with 1kN and 2kN glass profiles

Topcover 3 mm

Material: Aluminium
Length: 5000 mm

- For vertical connection to thin sheet material up to 3 mm such as steel or aluminium
SU = 1

Simply clicks on the glass profile. Note the use of associated rubber!



Finish	Article number
Mill finish	SP.300.8003.0050.10
Natural anodized	SP.300.8003.0050.11

Topcover 20 mm

Material: Aluminium
Length: 5000 mm

- For vertical connection to sheet material up to 20 mm such as plaster, mdf or trespa
SU = 1

Simply clicks on the glass profile. Note the use of associated rubber!



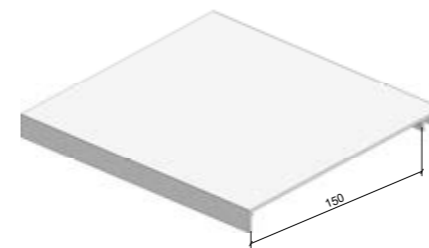
Finish	Article number
Mill finish	SP.300.8020.0050.10
Natural anodized	SP.300.8020.0050.11

Topcover 150 mm

Material: Aluminium
Length: 5000 mm

- For vertical connection to constructions up to 150 mm thick, such as masonry
SU = 1

Simply clicks on the glass profile. Note the use of associated rubber!



Finish	Article number
Mill finish	SP.300.8150.0050.10
Natural anodized	SP.300.8150.0050.11

Floorconnect

Material: Aluminium
Length: 5000 mm

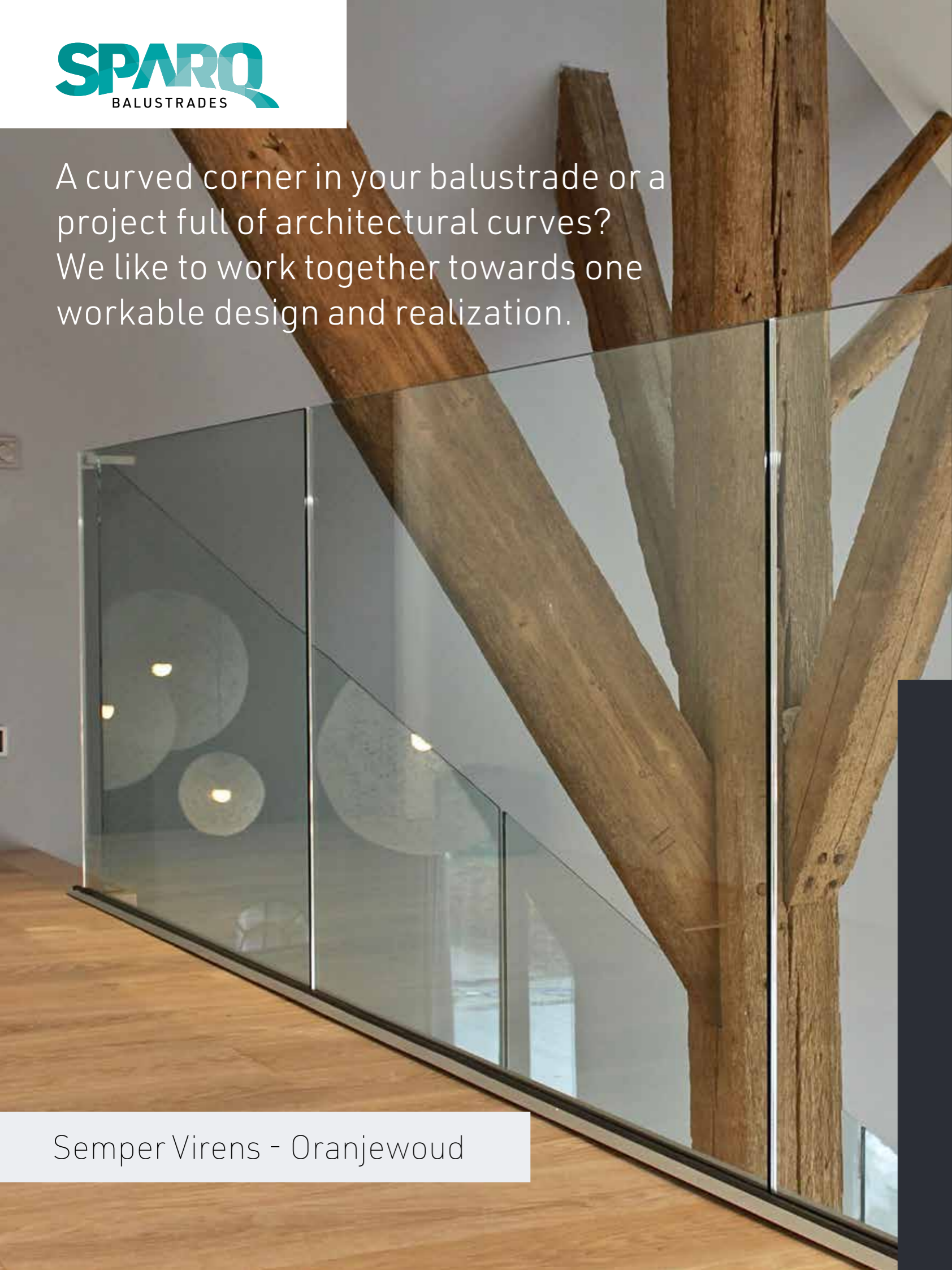
- For horizontal connection to the floor edge
SU = 1

Simply clicks on the glass profile. Note the use of associated rubber!



Finish	Article number
Mill finish	SP.300.8250.0050.10
Natural anodized	SP.300.8250.0050.11

A curved corner in your balustrade or a project full of architectural curves? We like to work together towards one workable design and realization.

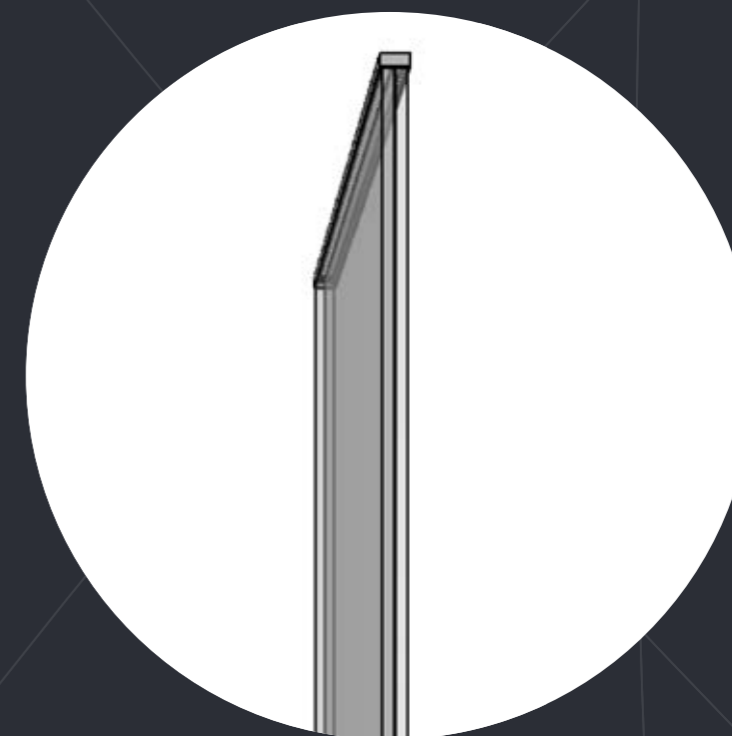


Semper Virens - Oranjewoud



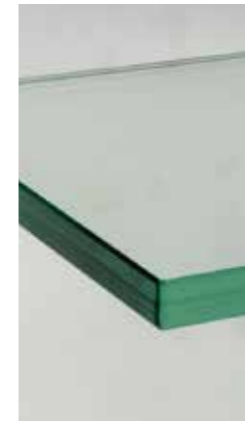
GLASS

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Toughened and laminated glass

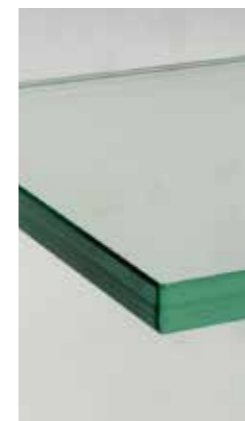


Material: Clear glass
 Edge finish: Edges pp polished with sharp corners
 Sizes: Based upon your drawings
 Quantities: Per m² based on your drawings

The most common glass laminate for full-glass balustrades.

Glass composition	Glass thickness	Article number Toughened and laminated PVB*	Article number Toughened and laminated Sentry*	Article number Toughened and laminated DG41* or equal
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.500.0201.0606.02	SP.500.0202.0606.02	SP.500.0203.0606.02
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.500.0201.0808.04	SP.500.0202.0808.04	SP.500.0203.0808.04
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.500.0201.1010.04	SP.500.0202.1010.04	SP.500.0203.1010.04
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.500.0201.1212.04	SP.500.0202.1212.04	SP.500.0203.1212.04

Laminated glass



Material: Clear glass
 Edge finish: Edges pp polished with sharp corners
 Sizes: Based upon your drawings
 Quantities: Per m² based on your drawings

Applicable in specific countries (such as Belgium) as glass laminates for full-glass balustrades.

Glass composition	Glass thickness	Article number Laminated Sentry	Article number Laminated DG41 or equal
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.500.0102.0606.02	SP.500.0103.0606.02
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.500.0102.0808.02	SP.500.0103.0808.02
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.500.0102.1010.02	SP.500.0103.1010.02
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.500.0102.1212.02	SP.500.0103.1212.02

Nano Coating



Forms a protective layer over the glass, which means that dirt and moisture will no longer adhere to the glass.
 SU = per m², applied on one or two sides of the glass

Article number
 SP.500.9000.0000.00

PRODUCT CHARACTERISTICS

Your balustrade really comes to life with the installation of glass panels in the SPARQ profiles. Ultimately, it is the glass panels that function as a hearing barrier while offering maximum transparency. This allows maximum daylight to enter, the view can be optimally enjoyed and the balustrade isn't an annoying element in the design.

The glass composition to choose depends on the (national) standards applicable to your project, the specific wind load and the local climatic conditions. In addition, it is decisive whether a

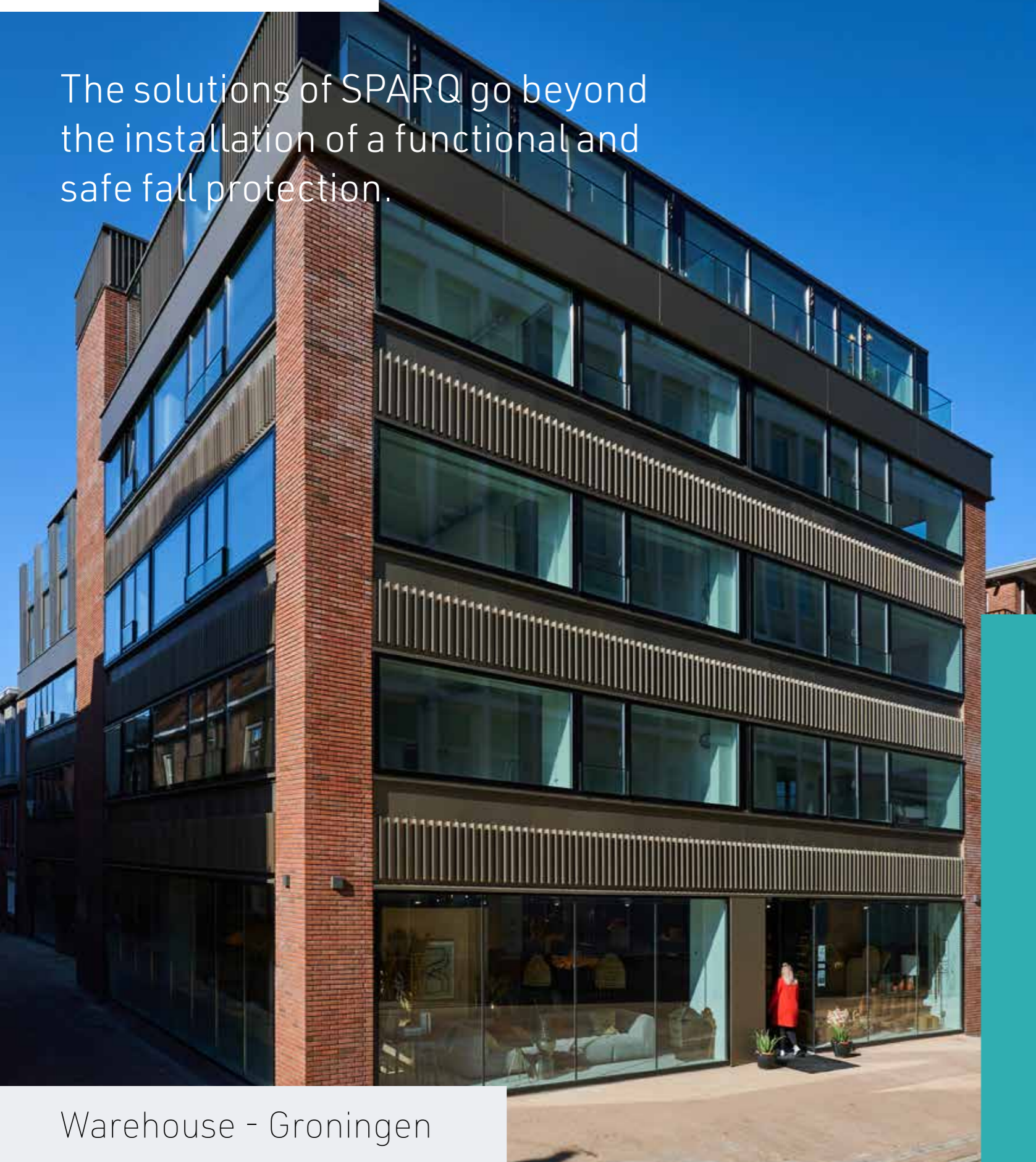
handrail is used over the glass. We are happy to advise you on the glass thickness to be used and, if necessary, can have a glass calculation made based on your specific project data.

Glass panels are always custom-made for your project. This allows you to choose the most beautiful seam distribution, combined with aspects such as handling and any structural requirements for the heights and widths to be used.

Upon request, the above compositions are also available in extra clear (low iron), bronze, or gray glass composition.

* From a constructive point of view, the use of tempered glass with a PVB film is sufficient in most cases. This foil however, is relatively sensitive to moisture. In specific (outdoor) situations, for example an application without handrail over the glass or applications close to the coast, an alternative foil such as Sentry or DG41 is recommended. These are more resistant to permanent exposure to moist.

The solutions of SPARQ go beyond the installation of a functional and safe fall protection.

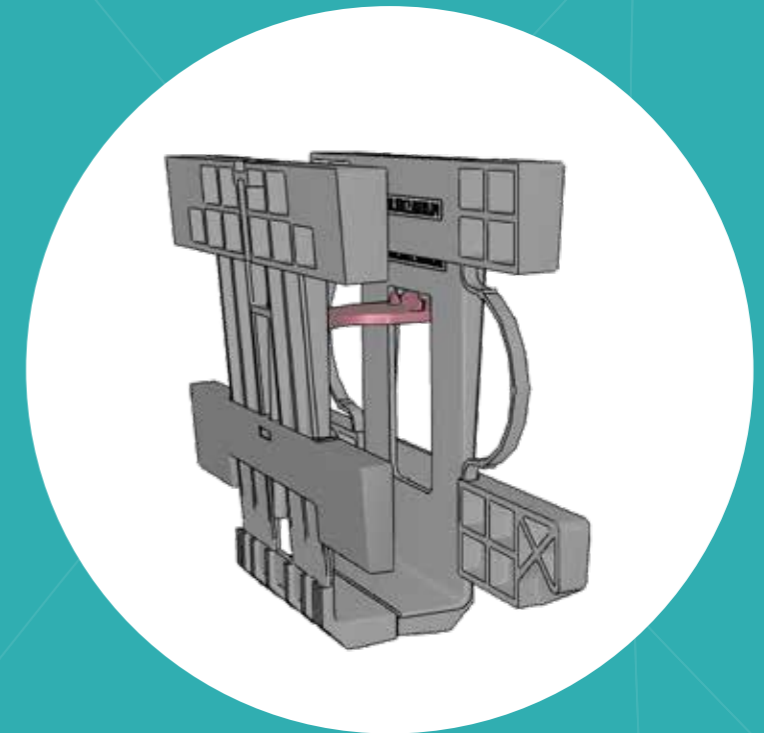


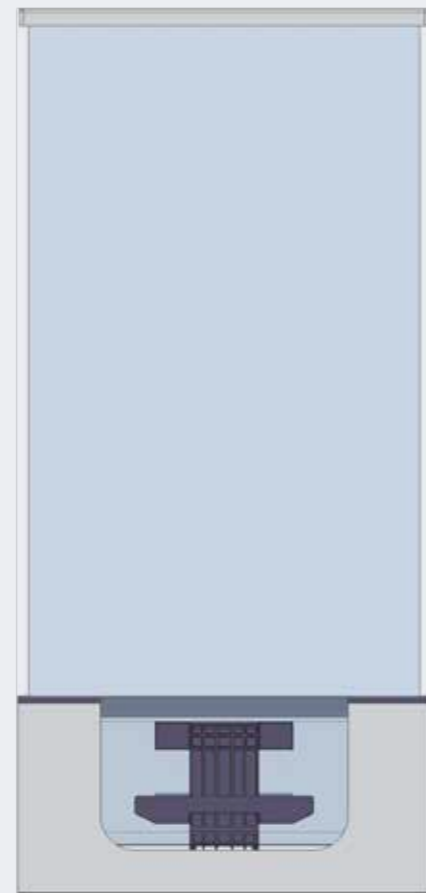
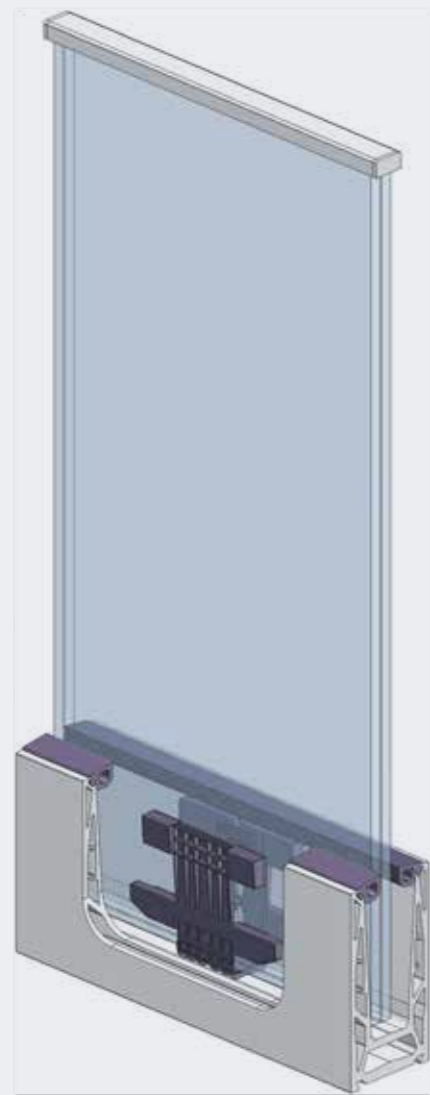
Warehouse - Groningen



GLASS SUPPORT & RUBBERS

Specifications and applications	96
Glass support	98
Rubbers	98





PRODUCT CHARACTERISTICS

The SPARQ glass support system has been specially developed to clamp the glass more stable and to decrease failure costs during mounting. The unique design with clamping by means of a wedge at the bottom and a wedge at the top of the profile guarantees optimal stability and the shortest possible lever. As a result, the system offers extra stability. The centered wedges on the clamping system prevent the glass from being broken during mounting. With the choice of 4 clamping points opposite each other tension-free installation of the glass is guaranteed.

The carrier of the clamping system is equipped with an adjustable lower wedge. This allows the glass to become easy adjusted and aligned. The carrier is equipped with a spreader flap so that it has a maximum open position for easy mounting of the glass.

The opening between profile and glass is finished with a rubber. These are of course available for all glass thicknesses. Unique is that they are symmetrical and therefore the same on both sides of the profile. The choice of a rubber depends on the detail.

SPECIFICATIONS AND APPLICATIONS



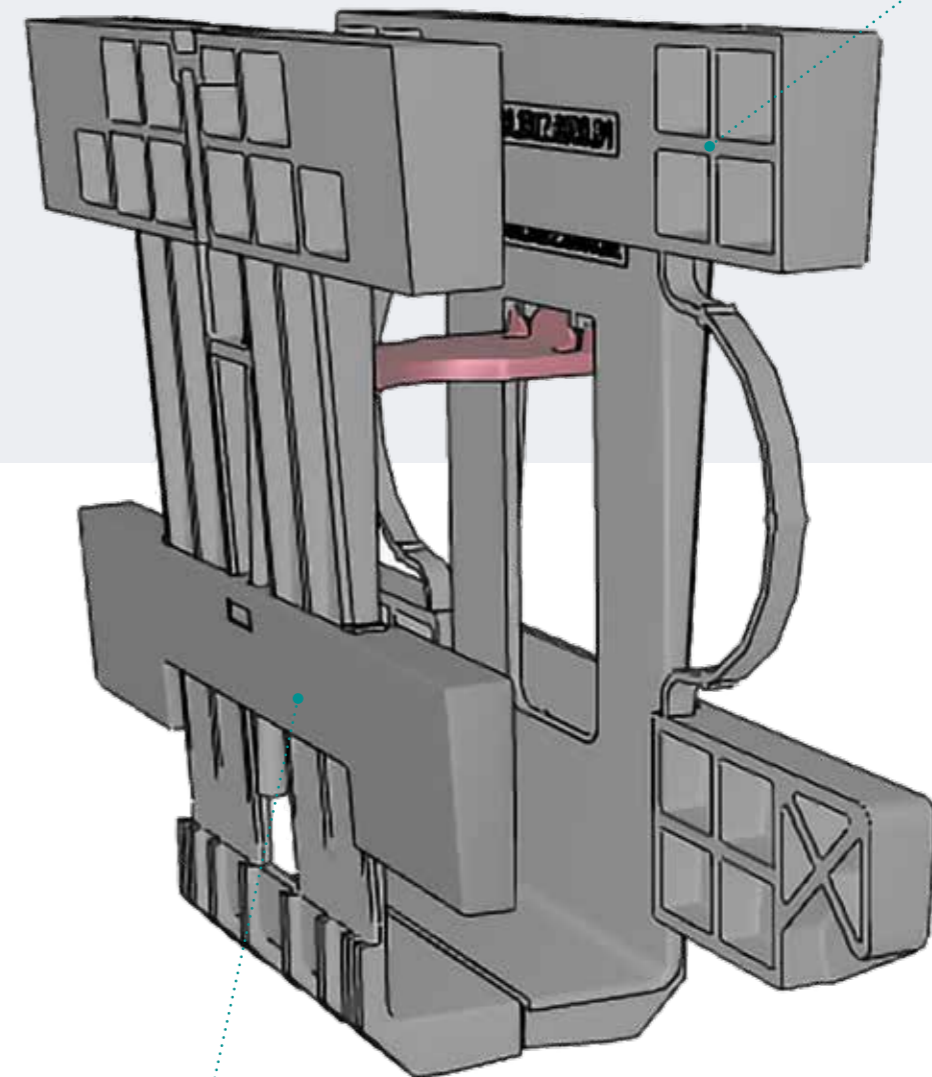
Glass thicknesses 6/6, 8/8, 10/10 and 12/12.



Applicable in combination with 1kN and 2kN glass profiles

The glass support system has been designed modular. Perfect center alignment and symmetry of the glass in the profile is guaranteed in all glass thicknesses.

Clamping of the glass on 4 opposing points without tension peaks in the glass.



Fine adjustment of the glass by means of adjusting the position of lower clamping point. Accurately adjustable with SPARQ toolset before the glass is placed!





Glass support

- For adjustment and clamping of the glass panels in the glass profile
- Available for different glass thicknesses
- SU = 16 pieces, for 5 m balustrade
- SU= 80 pieces, for 25 m balustrade

Glass composition	Glass thickness	Article number L = 5000 mm	Article number L = 2500 mm
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.400.0606.0050.00	SP.400.0606.0250.00
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.400.0808.0050.00	SP.400.0808.0250.00
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.400.1010.0050.00	SP.400.1010.0250.00
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.400.1212.0050.00	SP.400.1212.0250.00

Seperat wedges glass support

- Wedges lost or broken during (de)mounting?
- SU = 16 pieces

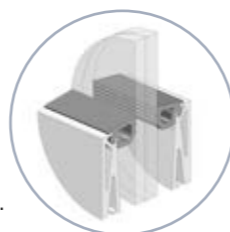


Glass composition	Glass thickness	Article number
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.400.0606.0050.04
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.400.0808.0050.04
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.400.1010.0050.04
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.400.1212.0050.04

Rubber standard

- For standard sealing between glass and glass profile
- Suitable for both walking and falling side

Simply clicks into the profile through arrow-shaped click mechanism.
Color: black, also available in gray on request.



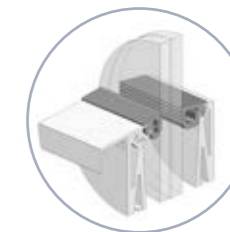
Glass composition	Glass thickness	Article number 2 x L = 5000 mm	Article number 2 x L = 2500 mm
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.450.0606.0050.00	SP.450.0606.0250.00
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.450.0808.0050.00	SP.450.0808.0250.00
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.450.1010.0050.00	SP.450.1010.0250.00
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.450.1212.0050.00	SP.450.1212.0250.00



Rubber for cover, topcover and floorconnect

- For sealing between glass and glass profile with cover, topcover or floorconnect
- Suitable for both walking and falling side

Simply clicks into the profile through arrow-shaped click mechanism.
Color: black, also available in gray on request.



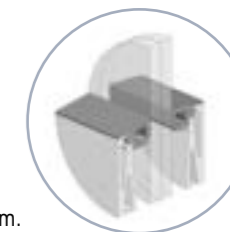
Glass composition	Glass thickness	Article number 2 x L = 5000 mm	Article number 2 x L = 2500 mm
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.450.0606.0050.05	SP.450.0606.0250.05
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.450.0808.0050.05	SP.450.0808.0250.05
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.450.1010.0050.05	SP.450.1010.0250.05
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.450.1212.0050.05	SP.450.1212.0250.05



Rubber standard with long lip

- Do you not want to see the aluminum glass profile from above?
- This rubber covers the top completely. For sealing between glass and glass profile. Suitable for both walking and falling side.

Simply clicks into the profile through arrow-shaped click mechanism.
Color: black, also available in gray on request.



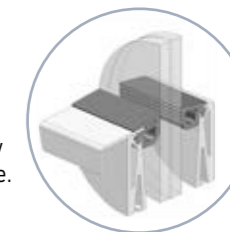
Glass composition	Glass thickness	Article number 2 x L = 5000 mm	Article number 2 x L = 2500 mm
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.450.0606.0050.07	SP.450.0606.0250.07
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.450.0808.0050.07	SP.450.0808.0250.07
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.450.1010.0050.07	SP.450.1010.0250.07
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.450.1212.0050.07	SP.450.1212.0250.07



Rubber bending work

- Is there bending work which connects to your balustrade?
- This rubber has a horizontal opening into which you can seamlessly slide this bending work. For sealing between glass and glass profile. Suitable for both walking and falling side.

Simply clicks into the profile through arrow-shaped click mechanism.
Color: black, also available in gray on request.



Glass composition	Glass thickness	Article number 2 x L = 5000 mm	Article number 2 x L = 2500 mm
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.450.0606.0050.02	SP.450.0606.0250.02
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.450.0808.0050.02	SP.450.0808.0250.02
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.450.1010.0050.02	SP.450.1010.0250.02
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.450.1212.0050.02	SP.450.1212.0250.02





Bridge rubber

Does your profile extend beyond the glass panels? With this rubber you close the opening completely. Also comparable with extended bending work, cover caps or topcovers!

Length: 1000 mm
SU = 1

Color: black, also available in gray on request.

Article number
SP.450.1000.0010.00



Roll-in rubber

A quickly installable rubber for use on the walk side. The rubber does not click into the profile and can therefore be quickly rolled between the profile and the glass.



Glass composition	Glass thickness	Article number L = 2x 25000 mm
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.450.0606.0250.08
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.450.0808.0250.08
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.450.1010.0250.08
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.450.1212.0250.08

Tip! In Chapter 11 you can find various tools and accessories for easy assembly of the glass supports and rubbers. For example tool sets with the necessary tools and lubricants for installing the rubbers.

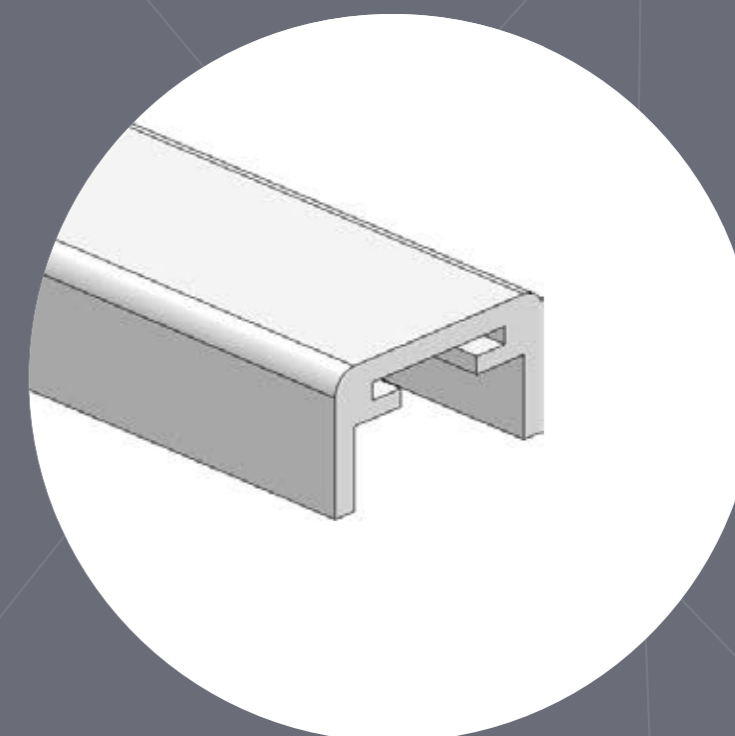


The finishing touch
for a stylish look.



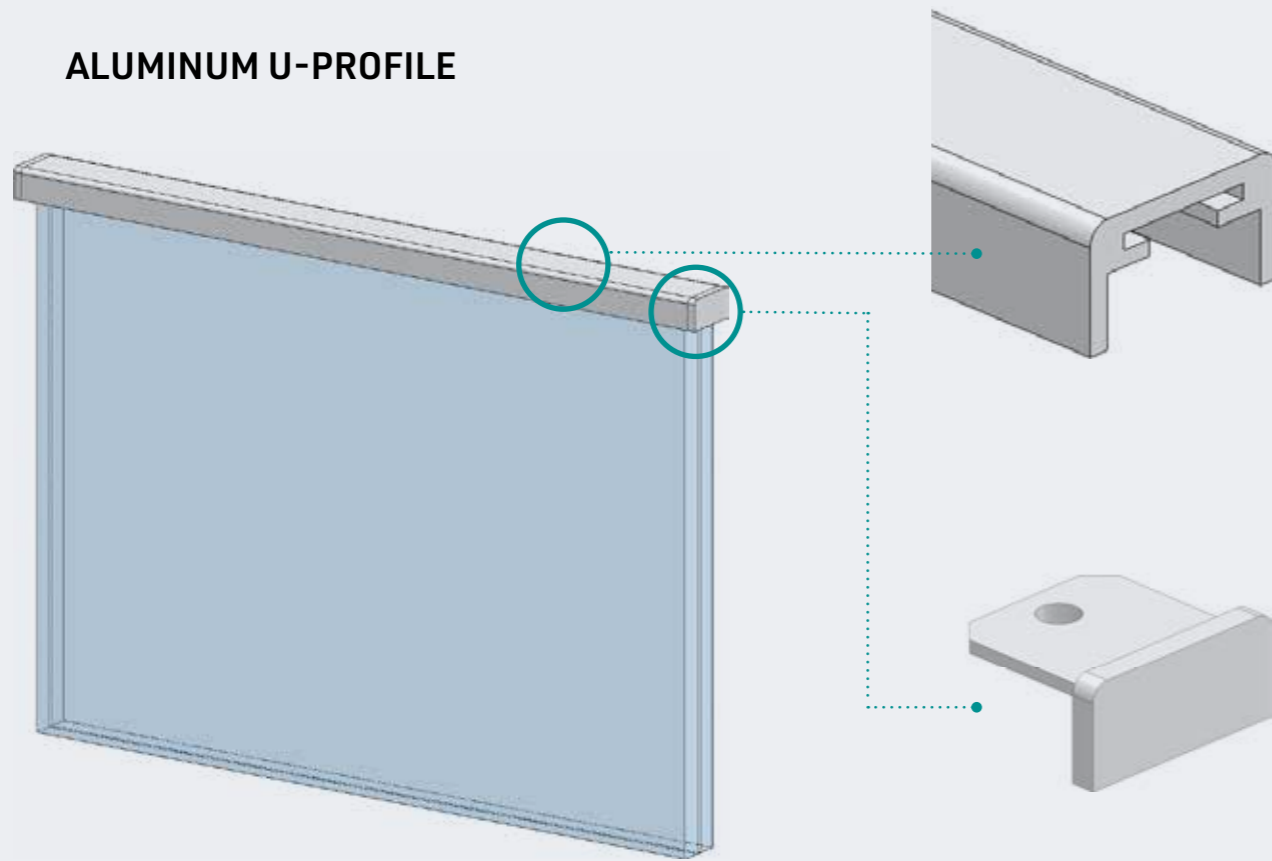
HANDRAIL

Aluminum U-profile	
Specifications and applications	104
System parts	105
Aluminum block rail	
Specifications and applications	110
System parts	111
Stainless steel U-profile	
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Landgoed Lauswolt - Beetsterzwaag

ALUMINUM U-PROFILE



PRODUCT CHARACTERISTICS

SPARQ's glass balustrades can be finished with different types of handrails on the glass. The handrails provide a sleek finish to the balustrade and contribute to its stability. In addition, it offers protection to the foil between the glass in outdoor applications, which prevents the risk of delamination.

The aluminum U-profiles provide a sleek and tidy finish that seamlessly overlays the glass. They are available in all RAL colors, allowing them to blend seamlessly into the surrounding architecture.

The profiles are mounted onto the glass using mounting adhesive. With the available connectors, the profile transitions and corners can be easily aligned and fixed.

SPECIFICATIONS AND APPLICATIONS



Glass thickness 6/6, 8/8, 10/10, 12/12, 15/15.



Available in any RAL-color of your choice



Prefabricated to custom size available



U-profile 18 x 12 mm

Material: Aluminium
Width x height: 18 x 12 mm
Length: 5000 mm
SU = 1

Internal 14 mm, for glass thicknesses 12.76 and 13.52 mm

Finish	Article number
Mill finish	SP.600.1812.0050.10
Natural anodized	SP.600.1812.0050.11



U-profile 22 x 12 mm

Material: Aluminium
Width x height: 22 x 12 mm
Length: 5000 mm
SU = 1

Internal 18 mm, for glass thicknesses 16.76 and 17.52 mm

Finish	Article number
Mill finish	SP.600.2212.0050.10
Natural anodized	SP.600.2212.0050.11



U-profile 26 x 12 mm

Material: Aluminium
Width x height: 26 x 12 mm
Length: 5000 mm
SU = 1

Internal 22 mm, for glass thicknesses 20.76 and 21.52 mm

Finish	Article number
Mill finish	SP.600.2612.0050.10
Natural anodized	SP.600.2612.0050.11



U-profile 32 x 12 mm

Material: Aluminium
Width x height: 32 x 12 mm
Length: 5000 mm
SU = 1

Internal 26 mm, for glass thicknesses 24.76 and 25.52 mm

Finish	Article number
Mill finish	SP.600.3212.0050.10
Natural anodized	SP.600.3212.0050.11





U-profile 36 x 12 mm

Material: Aluminium
Width x height: 36 x 12 mm
Length: 5000 mm
SU = 1

Internal 32 mm, for glass thicknesses 30.76 and 31.52 mm

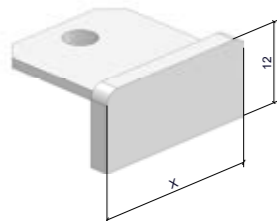
Finish	Article number
Mill finish	SP.600.3612.0050.10
Natural anodized	SP.600.3612.0050.11



End cap U-profile

Material: Aluminium
SU = 1

	Article number	Article number
	Mill finish	Natural anodized
18 x 12 mm	SP.600.2300.1812.10	SP.600.2300.1812.11
22 x 12 mm	SP.600.2300.2212.10	SP.600.2300.2212.11
26 x 12 mm	SP.600.2300.2612.10	SP.600.2300.2612.11
32 x 12 mm	SP.600.2300.3212.10	SP.600.2300.3212.11
36 x 12 mm	SP.600.2300.3612.10	SP.600.2300.3612.11



Connector straight

Material: Stainless steel 316

- For straight connection of handrail profiles
SU = 1

For handrails	Article number
U - 18 / 22 x 12	SP.600.2200.2200.31
U - 26 / 32 / 36 x 12 en blok 70 x 30	SP.600.2200.2600.31

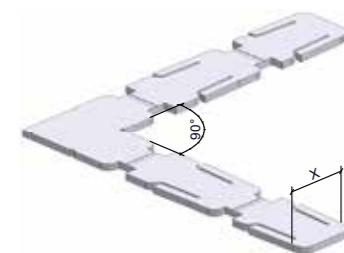


Connector 90°

Material: Stainless steel 316

- For connecting handrail profiles in 90° mitred corners
SU = 1

For handrails	Article number
U - 18 / 22 x 12	SP.600.2210.2200.31
U - 26 / 32 / 36 x 12 en blok 70 x 30	SP.600.2210.2600.31

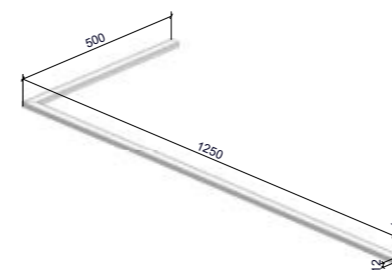


Corner U-profile left

Material: Aluminium
Length: 1250 x 500 mm

- Assembled corner piece (left) with corner connector
SU = 1

	Article number	Article number
	Mill finish	Natural anodized
18 x 12 mm	SP.600.1812.2211.10	SP.600.1812.2211.11
22 x 12 mm	SP.600.2212.2211.10	SP.600.2212.2211.11
26 x 12 mm	SP.600.2612.2211.10	SP.600.2612.2211.11
32 x 12 mm	SP.600.3212.2211.10	SP.600.3212.2211.11
36 x 12 mm	SP.600.3612.2211.10	SP.600.3612.2211.11

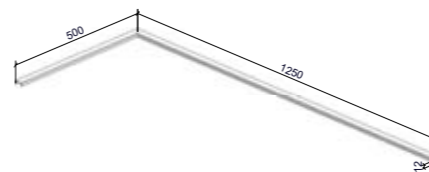


Corner U-profile right

Material: Aluminium
Length: 1250 x 500 mm

- Assembled corner piece (right) with corner connector
SU = 1

	Article number	Article number
	Mill finish	Natural anodized
18 x 12 mm	SP.600.1812.2212.10	SP.600.1812.2212.11
22 x 12 mm	SP.600.2212.2212.10	SP.600.2212.2212.11
26 x 12 mm	SP.600.2612.2212.10	SP.600.2612.2212.11
32 x 12 mm	SP.600.3212.2212.10	SP.600.3212.2212.11
36 x 12 mm	SP.600.3612.2212.10	SP.600.3612.2212.11

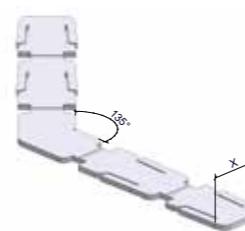


Connector 135°

Material: Stainless steel 316

- For connecting handrail profiles in 135° mitred corners
SU = 1

For handrails	Article number
U - 18 / 22 x 12	SP.600.2250.2200.31
U - 26 / 32 / 36 x 12 en blok 70 x 30	SP.600.2250.2600.31

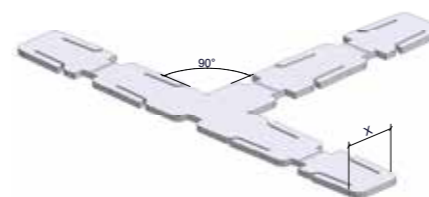


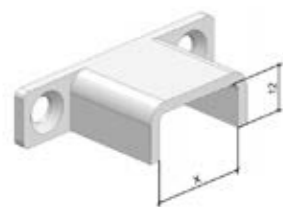
Connector T-model

Material: Stainless steel 316

- For connecting handrail profiles in a 90° T-shape
SU = 1

For handrails	Article number
U - 18 / 22 x 12	SP.600.2220.2200.31
U - 26 / 32 / 36 x 12 en blok 70 x 30	SP.600.2220.2600.31





Wall connector U-profile

Material: Aluminium
SU = 1

	Article number	Article number
	Mill finish	Natural anodized
18 x 12 mm	SP.600.2400.1812.10	SP.600.2400.1812.11
22 x 12 mm	SP.600.2400.2212.10	SP.600.2400.2212.11
26 x 12 mm	SP.600.2400.2612.10	SP.600.2400.2612.11
32 x 12 mm	SP.600.2400.3212.10	SP.600.2400.3212.11
36 x 12 mm	SP.600.2400.3612.10	SP.600.2400.3612.11



Transparent mounting kit

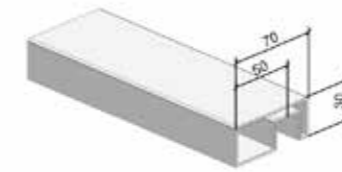
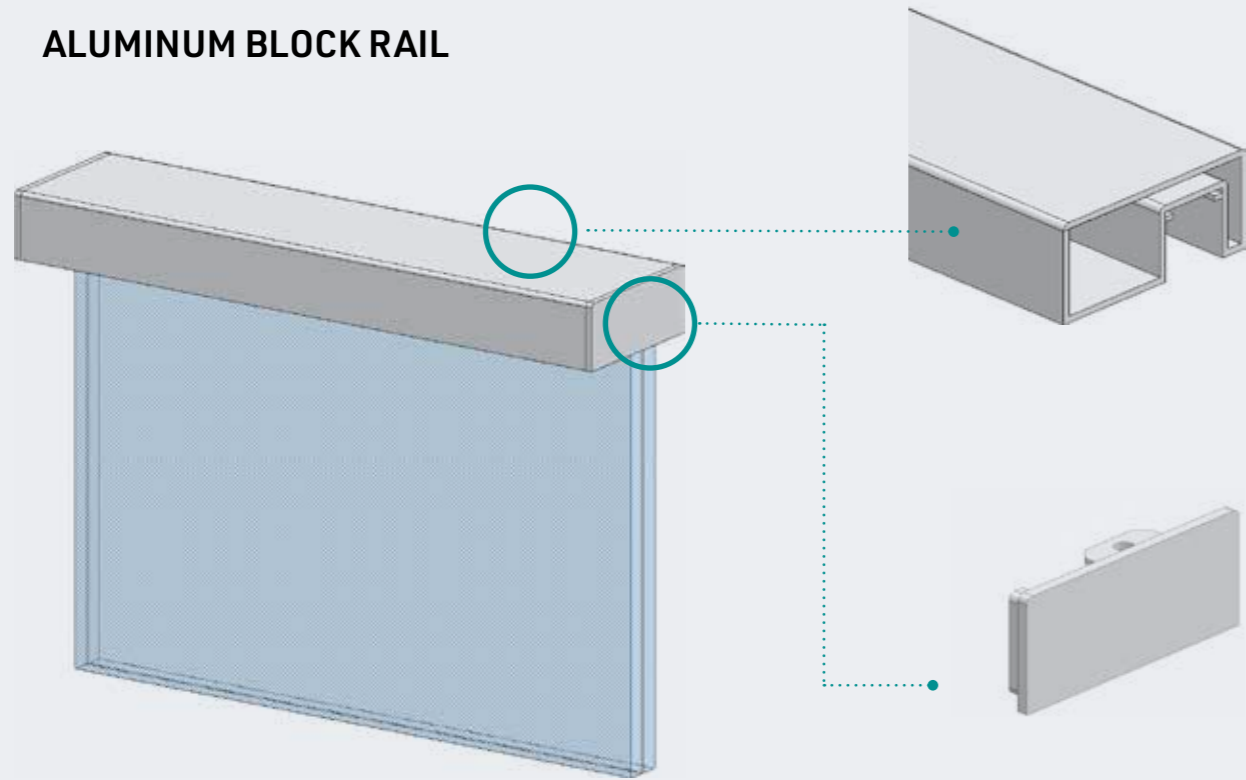
Transparent mounting kit
Content: 290 ml

- Suitable for bonding handrails to (laminated) glass
SU = 1

Article number
SP.600.7006.0000.02



ALUMINUM BLOCK RAIL



Block rail 70 x 30 mm

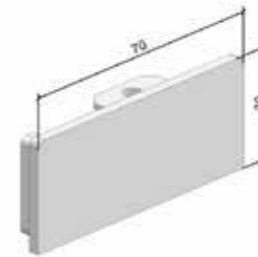
Material: Aluminium
 Width x height: 70 x 30 mm
 Length: 5000 mm
 SU = 1

Internal 22 mm, for glass thicknesses up to 21.52 mm. Can be milled to internal 32 mm.

Finish	Article number
Mill finish	SP.600.7030.0050.10

End cap block rail 70 x 30 mm

Material: Aluminium
 SU = 1



Finish	Article number End cap right	Article number End cap left
Mill finish	SP.600.2300.7030.10	SP.600.2301.7030.10

Transparent mounting kit

Transparent mounting kit
 Content: 290 ml

- Suitable for bonding handrails to (laminated) glass
 SU = 1



Article number
SP.600.7006.0000.02




PRODUCT CHARACTERISTICS

SPARQ's glass balustrades can be finished with different types of handrails on the glass. The handrails provide a sleek finish to the balustrade and contribute to its stability. In addition, it offers protection to the foil between the glass in outdoor applications, which prevents the risk of delamination.

The aluminum block handrail features an asymmetric design that offers a distinctive appearance, particularly in large atriums and staircase applications.

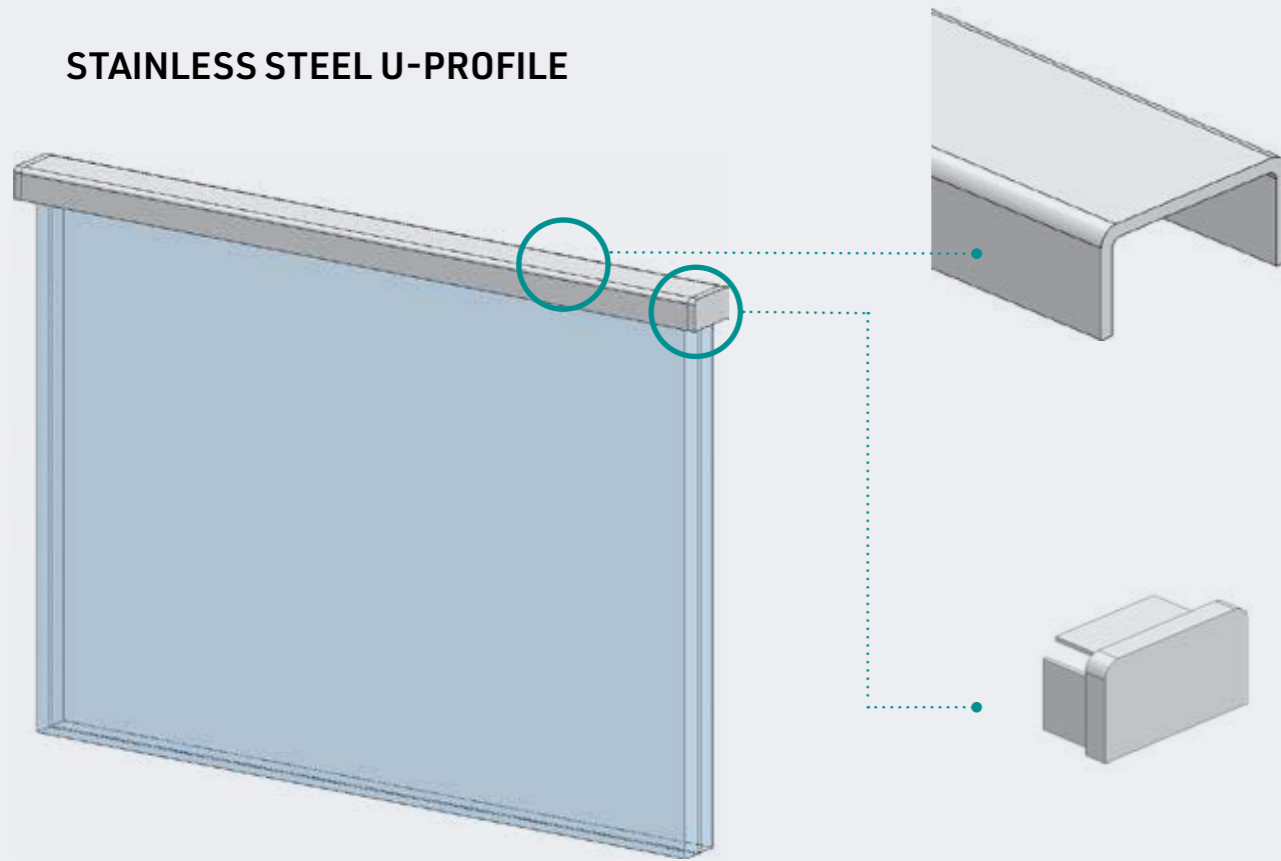
The profiles are mounted onto the glass using mounting adhesive. With the available connectors (see aluminum U-profiles), the profile transitions and corners can be easily aligned and fixed.

SPECIFICATIONS AND APPLICATIONS

-  Glass thickness 6/6, 8/8, 10/10 and 12/12.
-  Available in any RAL-color of your choice
-  Prefabricated to custom size available



STAINLESS STEEL U-PROFILE



PRODUCT CHARACTERISTICS

SPARQ's glass balustrades can be finished with different types of handrails on the glass. The handrails provide a sleek finish to the balustrade and contribute to its stability. In addition, it offers protection to the foil between the glass in outdoor applications, which prevents the risk of delamination.

The stainless steel U-profiles feature the same sleek design as the aluminum variant. They are mounted seamlessly on the glass but offer the chic appearance of stainless steel. A unique solution!

The profiles are mounted onto the glass using mounting adhesive. With the available connectors, the profile transitions and corners can be easily aligned and fixed.

SPECIFICATIONS AND APPLICATIONS



Glass thickness 6/6, 8/8, 10/10 and 12/12.



Prefabricated to custom size available



U-profile 18 x 12 mm SS

Material: Stainless steel (SS)
Width x height: 18 x 12 mm
Length: 5000 mm

Internal 15 mm, 14 mm after application connector, for glass thicknesses 12.76 and 13.52 mm

	Article number
Stainless steel 304	SP.600.1812.0050.21
Stainless steel 316	SP.600.1812.0050.31

U-profile 22 x 12 mm SS

Material: Stainless steel (SS)
Width x height: 22 x 12 mm
Length: 5000 mm

Internal 19 mm, 18 mm after application connector, for glass thicknesses 16.76 and 17.52 mm

	Article number
Stainless steel 304	SP.600.2212.0050.21
Stainless steel 316	SP.600.2212.0050.31

U-profile 26 x 12 mm SS

Material: Stainless steel (SS)
Width x height: 26 x 12 mm
Length: 5000 mm

Internal 23 mm, 22 mm after application connector, for glass thicknesses 20.76 and 21.52 mm

	Article number
Stainless steel 304	SP.600.2612.0050.21
Stainless steel 316	SP.600.2612.0050.31

U-profile 30 x 12 mm SS

Material: Stainless steel (SS)
Width x height: 30 x 12 mm
Length: 5000 mm

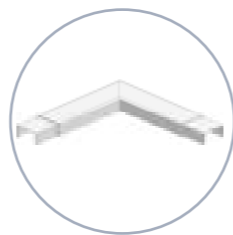
Internal 27 mm, 26 mm after application connector, for glass thicknesses 24.76 and 25.52 mm

	Article number
Stainless steel 304	SP.600.3012.0050.21
Stainless steel 316	SP.600.3012.0050.31



Corner U-profile SS

Material: Stainless steel (SS)
Length: 100 x 100 mm
SU = 1



Suitable for use as an internal and external corner.
Use the stainless-steel U-profile connector for a tight connection with the straight handrail part

	Article number	Article number
	SS 304 (indoor use)	SS 316 (outdoor use)
18 x 12 mm	SP.600.2210.1812.21	SP.600.2210.1812.31
22 x 12 mm	SP.600.2210.2212.21	SP.600.2210.2212.31
26 x 12 mm	SP.600.2210.2612.21	SP.600.2210.2612.31
30 x 12 mm	SP.600.2210.3012.21	SP.600.2210.3012.31

End cap U-profile SS

Material: Stainless steel (SS)
SU = 1

End cap with stainless steel connector. The connector functions as a bottom joint under the handrail profile. First mount the end cap on the glass and then place the handrail part over the connector part of the end cap.

	Article number	Article number
	SS 304 (indoor use)	SS 316 (outdoor use)
18 x 12 mm	SP.600.2300.1812.21	SP.600.2300.1812.31
22 x 12 mm	SP.600.2300.2212.21	SP.600.2300.2212.31
26 x 12 mm	SP.600.2300.2612.21	SP.600.2300.2612.31
30 x 12 mm	SP.600.2300.3012.21	SP.600.2300.3012.31

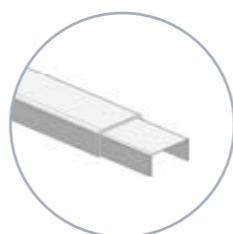
Connector U-profile SS

Material: Stainless steel (SS)
SU = 1

For connecting straight handrail parts, both to each other and to the corner pieces. The connector functions as a bottom joint at the location of the division. First mount the connector on the glass and then place the handrail part over the connector.

The connectors can also be used more often on handrail lengths to provide extra stability to the handrail.

	Article number
	SS 316 (outdoor use)
18 x 12 mm	SP.600.2200.1812.31
22 x 12 mm	SP.600.2200.2212.31
26 x 12 mm	SP.600.2200.2612.31
30 x 12 mm	SP.600.2200.3012.31

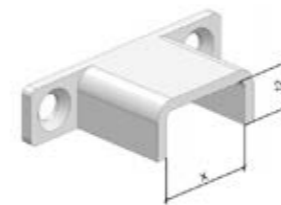


Wall connector U-profile SS

Material: Stainless steel (SS)
SU = 1

Wall connector with stainless steel connector. The connector functions as a bottom joint under the handrail profile. First mount the wall connector on the glass and then place the handrail part over the connector part of the wall connector.

	Article number	Article number
	SS 304 (indoor use)	SS 316 (outdoor use)
18 x 12 mm	SP.600.2400.1812.21	SP.600.2400.1812.31
22 x 12 mm	SP.600.2400.2212.21	SP.600.2400.2212.31
26 x 12 mm	SP.600.2400.2612.21	SP.600.2400.2612.31
30 x 12 mm	SP.600.2400.3012.21	SP.600.2400.3012.31

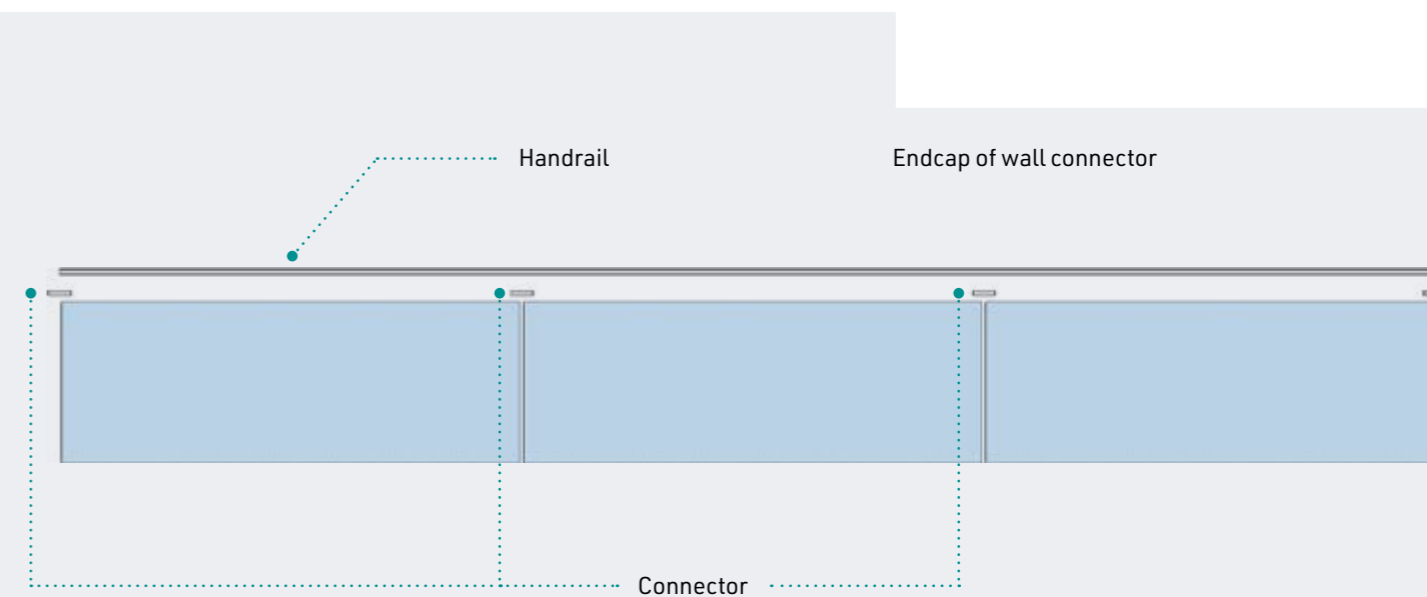


Transparent mounting kit

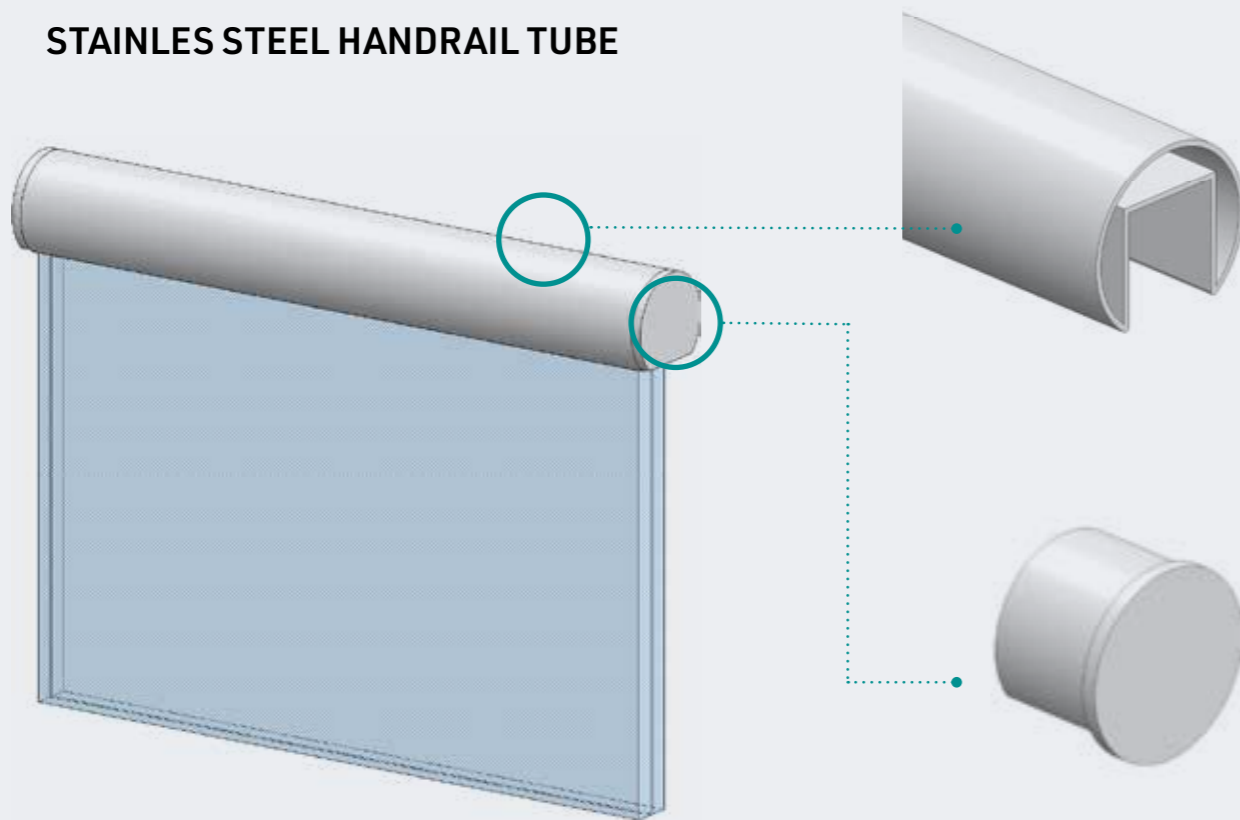
Transparent mounting kit
Content: 290 ml

- Suitable for bonding handrails to (laminated) glass
SU = 1

Article number
SP.600.7006.0000.02



STAINLES STEEL HANDRAIL TUBE



PRODUCT CHARACTERISTICS

SPARQ's glass balustrades can be finished with different types of handrails on the glass. The handrails provide a sleek finish to the balustrade and contribute to its stability. In addition, it offers protection to the foil between the glass in outdoor applications, which prevents the risk of delamination.

The stainless steel glass railing tube is a true classic that still provides a timeless finish.

The profiles are mounted onto the glass using railing rubber. With the available connectors, the profile transitions and corners can be easily aligned and fixed.

SPECIFICATIONS AND APPLICATIONS



Glass thickness 6/6, 8/8, 10/10 and 12/12.



Prefabricated to custom size available

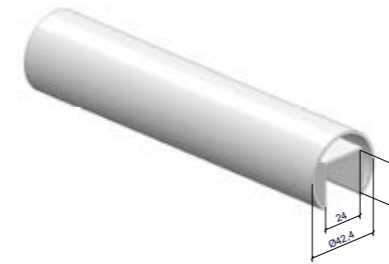


Handrail tube $\phi 42.4$

Material: Stainless steel (SS)
Diameter: $\phi 42$ mm
Length: 5000 mm
SU = 1

Internal dimensions: 23 x 24 mm. Suitable for glass thicknesses from 6.6.2 to 10.10.4 using railing rubbers.

	Article number
Stainless steel 304	SP.600.0042.0050.21
Stainless steel 316	SP.600.0042.0050.31

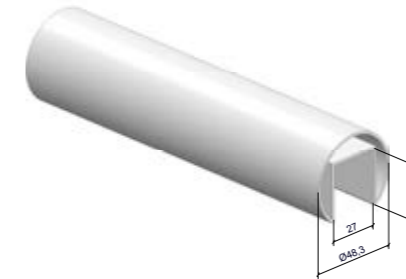


Handrail tube $\phi 48$

Material: Stainless steel (SS)
Diameter: $\phi 48.3$ mm
Length: 5000 mm
SU = 1

Internal dimensions: 27 x 30 mm. Suitable for glass thicknesses from 6.6.2 to 10.10.4 using railing rubbers.

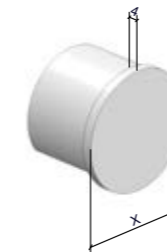
	Article number
Stainless steel 304	SP.600.0048.0050.21
Stainless steel 316	SP.600.0048.0050.31



End cap

Material: Stainless steel (SS)
SU = 1

	Article number	Article number
	SS 304 (indoor use)	SS 316 (outdoor use)
$\phi 42$ mm	SP.600.2300.0042.21	SP.600.2300.0042.31
$\phi 48.3$ mm	SP.600.2300.0048.21	SP.600.2300.0048.31

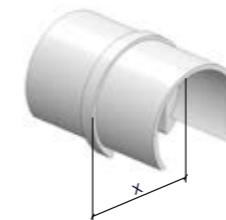


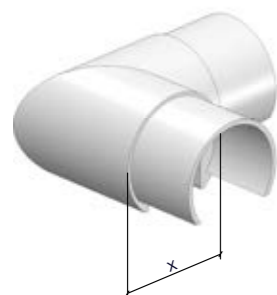
Connector straight

Material: Stainless steel (SS)

For straight connection of handrail tubes
SU = 1

	Article number	Article number
	SS 304 (indoor use)	SS 316 (outdoor use)
$\phi 42$ mm	SP.600.2200.0042.21	SP.600.2200.0042.31
$\phi 48.3$ mm	SP.600.2200.0048.21	SP.600.2200.0048.31





Connector 90°

Material: Stainless steel (SS)

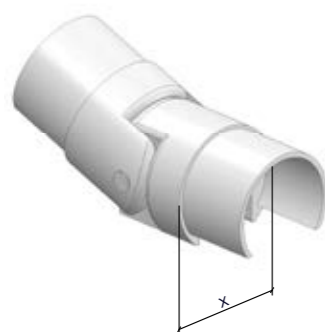
- For connecting handrail tubes in 90° corners
SU = 1

	Article number	Article number
	SS 304 (indoor use)	SS 316 (outdoor use)
∅42 mm	SP.600.2210.0042.21	SP.600.2210.0042.31
∅48.3 mm	SP.600.2210.0048.21	SP.600.2210.0048.31

Connector variable (upward)

Material: Stainless steel (SS)

- For connecting glass railing tubes at staircases at a variable upward angle.
SU = 1

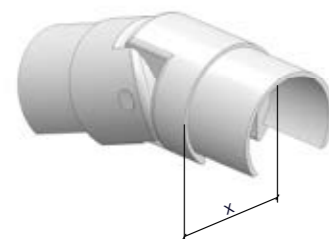


	Article number	Article number
	SS 304 (indoor use)	SS 316 (outdoor use)
∅42 mm	SP.600.2240.0042.21	SP.600.2270.0042.31
∅48.3 mm	SP.600.2270.0048.21	SP.600.2270.0048.31

Connector variable (downward)

Material: Stainless steel (SS)

- For connecting glass railing tubes at staircases at a variable downward angle.
SU = 1

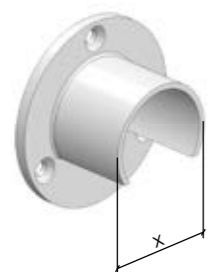


	Article number	Article number
	SS 304 (indoor use)	SS 316 (outdoor use)
∅42 mm	SP.600.2271.0042.21	SP.600.2271.0042.31
∅48.3 mm	SP.600.2271.0048.21	SP.600.2271.0048.31

Wall Connector

Material: Stainless steel (SS)

SU = 1



	Article number	Article number
	SS 304 (indoor use)	SS 316 (outdoor use)
∅42 mm	SP.600.2400.0042.21	SP.600.2400.0042.31
∅48 mm	SP.600.2400.0048.21	SP.600.2400.0048.31



Railing Rubber for Glass Railing Tube ∅42.4

- For clamping glass railing tubes ∅42 mm on various glass thicknesses.

Glass composition	Glass thickness	Article number	
		1 x L = 5000 mm	1 x L = 25000 mm
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.600.0606.0050.24	SP.600.0606.0250.24
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.600.0808.0050.24	SP.600.0808.0250.24
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.600.1010.0050.24	SP.600.1010.0250.24



Railing Rubber for Glass Railing Tube ∅48.3

- For clamping glass railing tubes ∅48 mm on various glass thicknesses.

Glass composition	Glass thickness	Article number	
		1 x L = 5000 mm	1 x L = 25000 mm
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.600.0606.0050.27	SP.600.0606.0250.27
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.600.0808.0050.27	SP.600.0808.0250.27
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.600.1010.0050.27	SP.600.1010.0250.27
● 12.12.2 - 12.12.4	24.76 - 25.52 mm	SP.600.1212.0050.27	SP.600.1212.0250.27



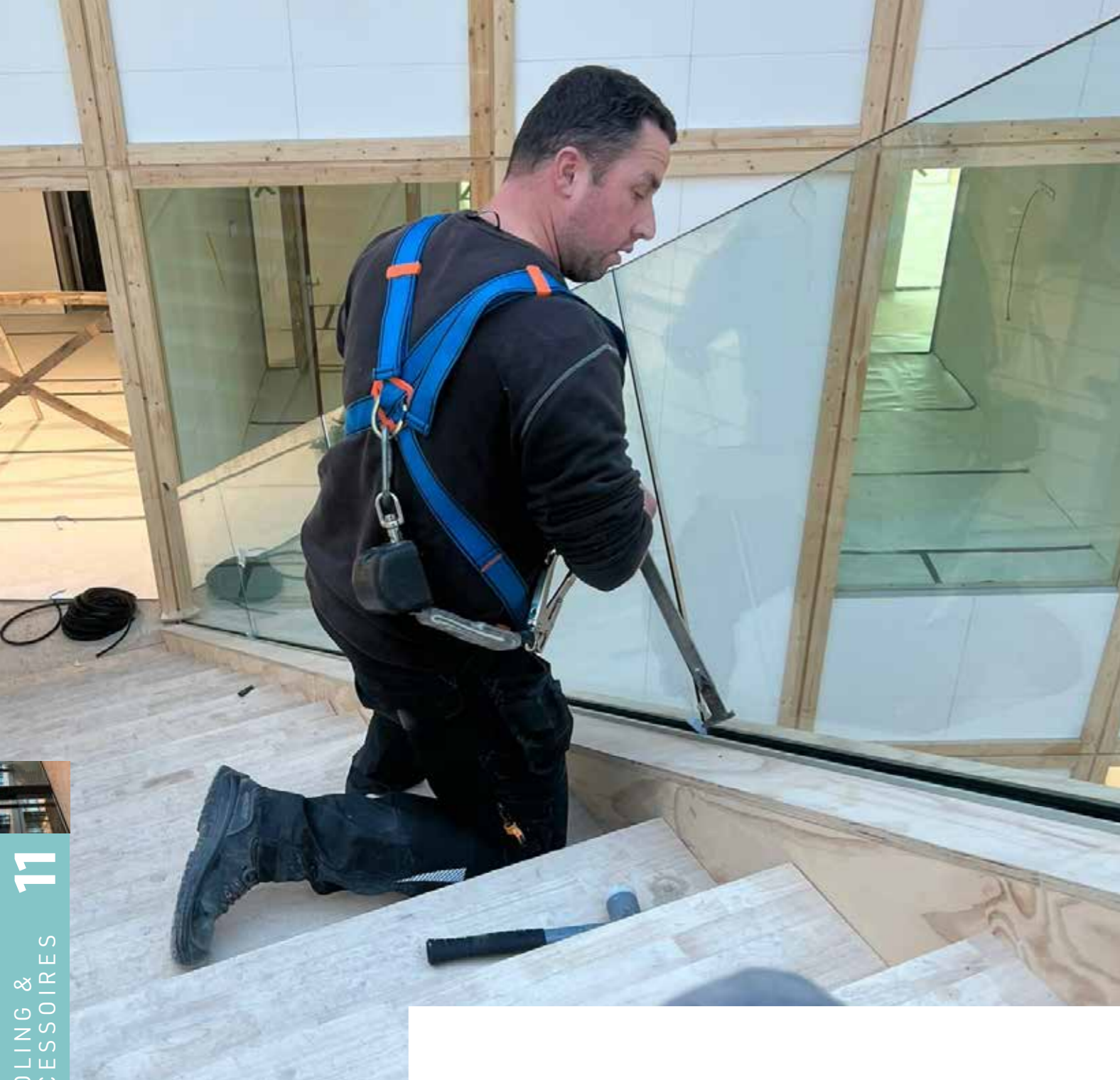


TOOLING AND ACCESSORIES

Product characteristics	122
Tooling and accessories	123



Hunkemöller - Almere



PRODUCT CHARACTERISTICS

Install your balustrade successfully and smoothly. SPARQ products have everything to facilitate this. It is important to have the right tools and resources to do this. As project specialists, we know this better than anyone from our own experience! With the toolsets and other resources from SPARQ we offer you everything you need.

The SPARQ toolset is indispensable for a good installation job. It contains all the necessary tools to adjust and install a SPARQ balustrade. We also offer a range of useful tools such as long

socket wrenches, drilling jigs and lubricants to greatly facilitate installation of the rubbers.

Questions about installation? Then download our installation manuals via the website or contact us for advice from experts who also realize projects themselves every day.

SPARQ toolset



Toolset with all tooling necessary for installing a SPARQ Balustrade.

The set consists of:
 - a block-leveller for adjusting the glass profile,
 - Leveller-tool and screw-bit for adjusting the glass support,
 - tools for attaching and removing the wedges,
 - tooling for installing the rubber.
 SU = 1

Individual components of the toolset are also available separately.

	Article number
Toolset complete	SP.800.4000.0000.00
Block-leveller	SP.800.4000.0000.01
Leveller-tool	SP.800.4000.0000.02
Screw bit	SP.800.4000.0000.03
U-shaped hammer tool	SP.800.4000.0000.04
Hammer and removal tool	SP.800.4000.0000.05
Rubber roller	SP.800.4000.0000.06

Long socket wrenches

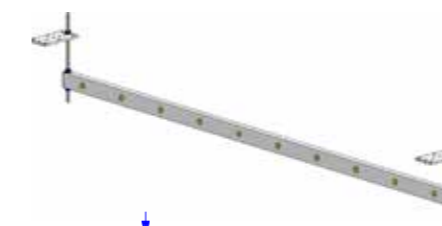


Long socket wrench for easy tightening of nuts in the balustrade profile.

Outside hexagon.
 SU = 1

	Article number
Long socket 15 for flange nut M10	SP.800.7000.1015.81
Long socket 17 for nut M10	SP.800.7000.1017.81
Long socket 18 for flange nut M12	SP.800.7000.1218.81
Long socket 19 for nut M12	SP.800.7000.1219.81

Drilling mold



Drilling mold with hole pattern of the SPARQ glass profiles for easy and fast positioning and drilling of holes. Equipped with adjustable mounting plates for easy use in side mount installations.

Material: Steel

- Drill holes equipped with drill sleeves for a long lifespan
 SU = 1

	Article number
L = 1000 mm	SP.800.7030.0100.81
L = 2500 mm	SP.800.7030.0250.81
L = 5000 mm	SP.800.7030.0500.81



Manual mortar dispenser

Mortar dispenser for the usage of chemical anchor mortar (SP.200.0200.0500.00).
SU = 1

Article number
SP.800.5000.0000.00



Mixing spout

Mixing spout for the usage of open anchor mortar cassettes (SP.200.0200.0500.00).
SU = 1

Article number
SP.200.0200.0000.00



Lubricant rubber installation

High quality lubricant for easy installation of the rubber gaskets.
Dries evenly and without leaving traces.
SU = 1

Article number
SP.800.0450.0000.00



Bending Tool for threaded rods

Materiaal: Stainless Steel

For straightening threaded rods when the anchor hole is drilled incorrectly. The top side is for M10 anchors, and the bottom side is for M12 anchors.

Article number
SP.800.5000.0500.00



Glass Guide

Tool for guiding glass panels into the profile. Particularly ideal for the installation of large glass panels with crane support.
SU = 1

Article number
SP.800.5000.0600.00

The solution for installing glass
on steel stringers.

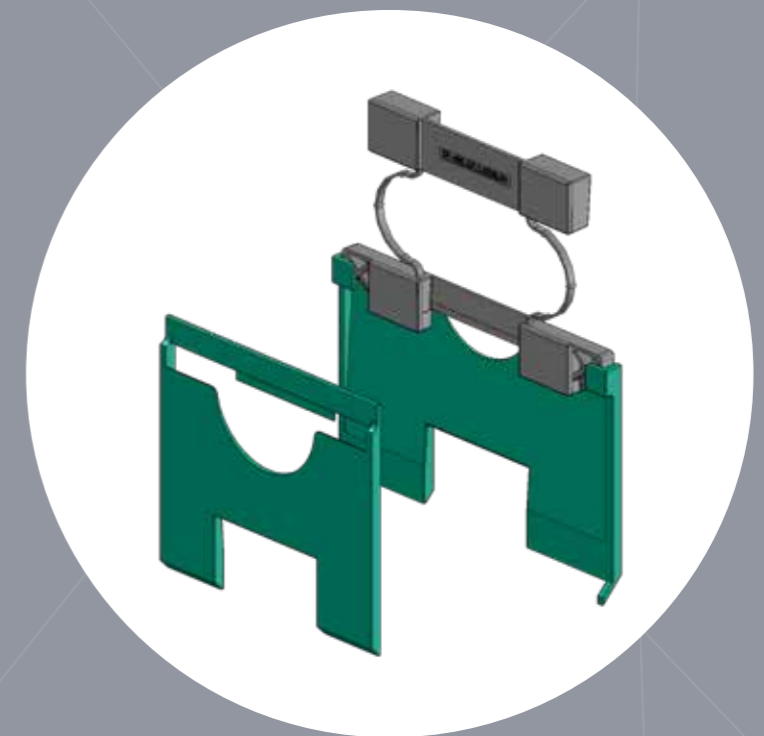


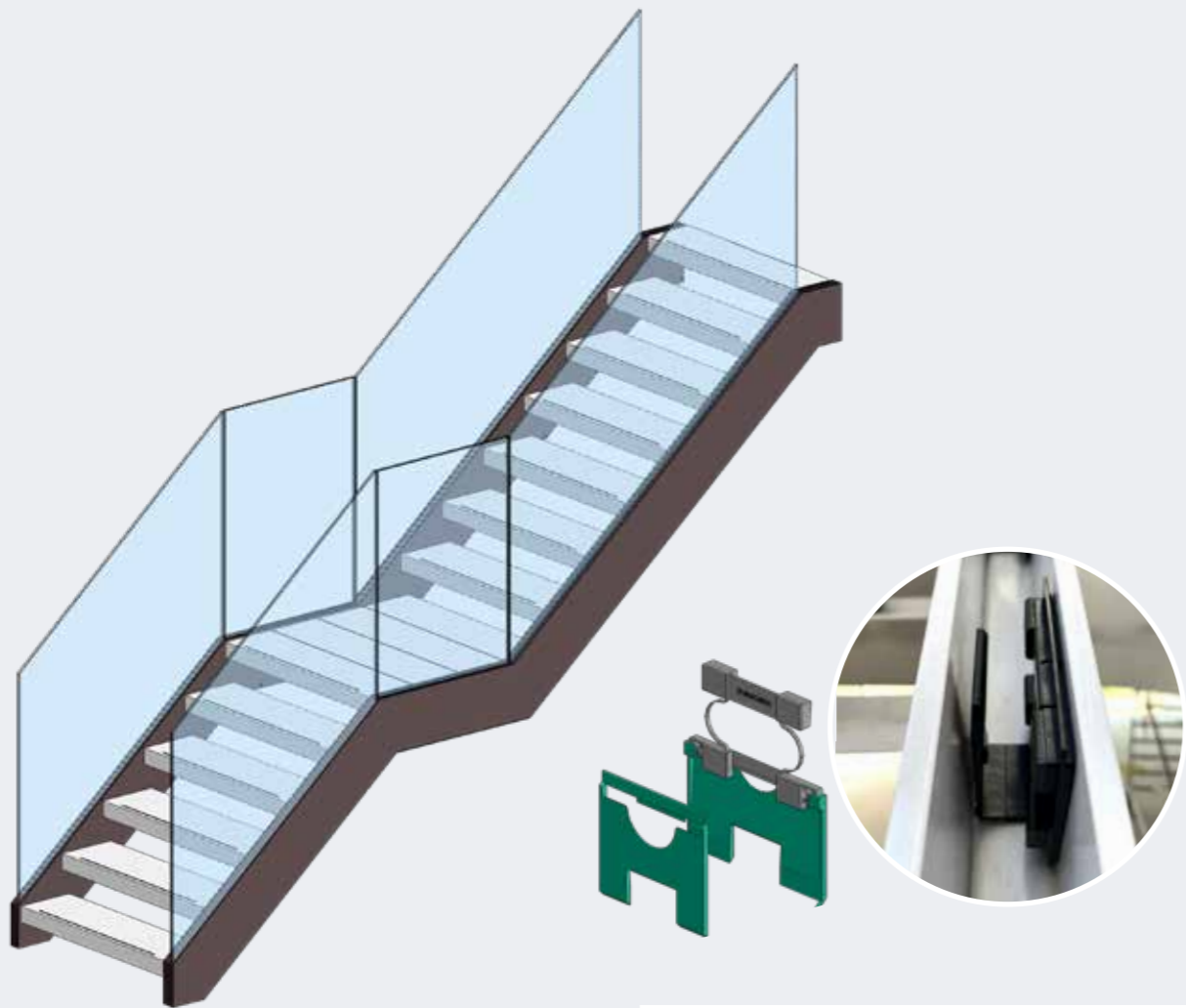
Noorderpoort College - Groningen



STRINGER SUPPORTS

Specifications and applications	128
System parts	130







PRODUCT CHARACTERISTICS

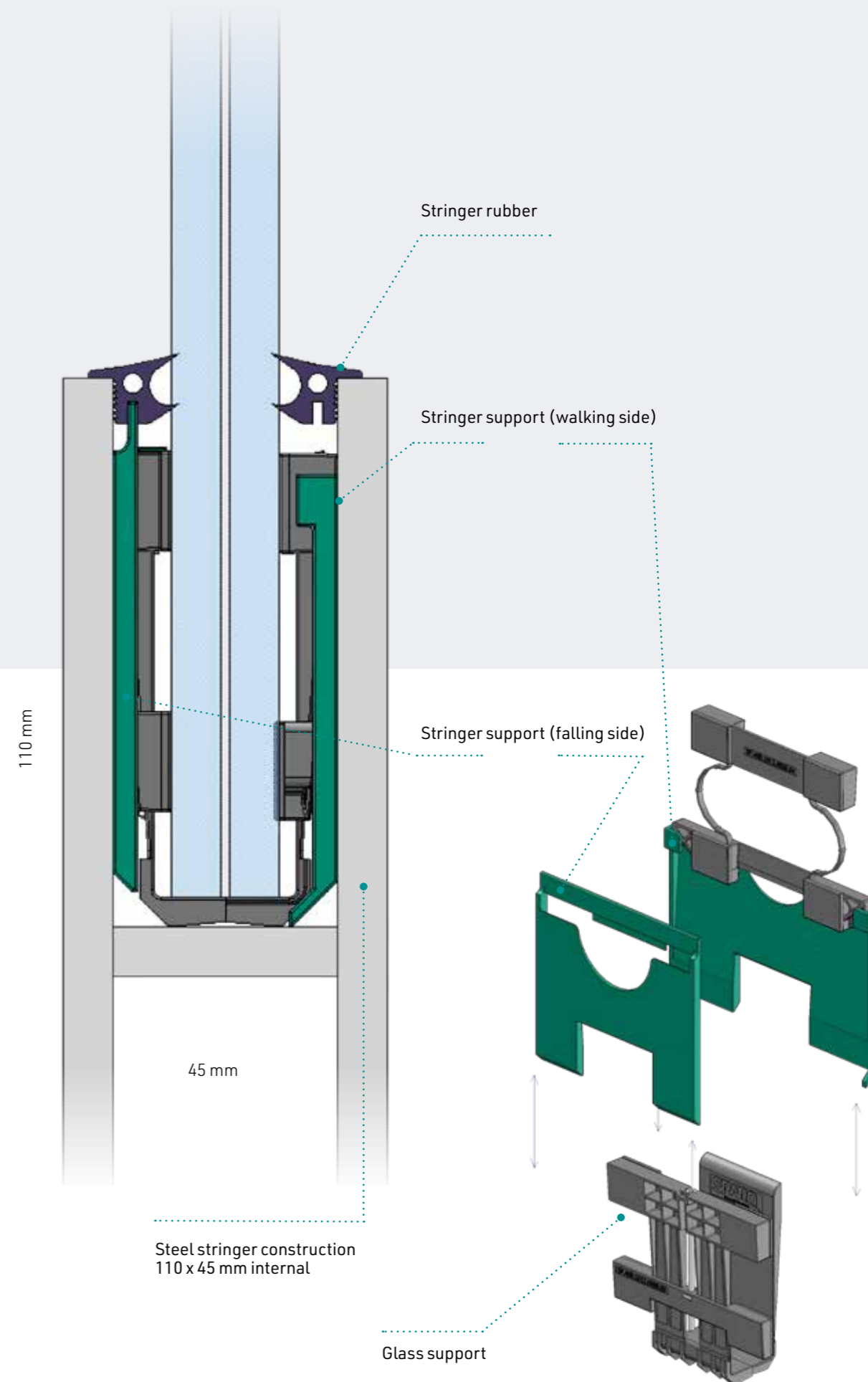
The system consists of an adjustable plastic glass support with wedge with filling pieces that fit into a recess of 110 x 45 mm.

The glass panels are quick and easy to assembly and adjust, without the use of chemical mortars and sealants.

The rubber and wedges are removable, making the glass panel easy to disassemble.

SPECIFICATIONS AND APPLICATIONS

- 
 Glass thickness 6/6, 8/8, 10/10 en 12/12
- 
 Required recess in the stringer (h x b) 110 x 45 mm



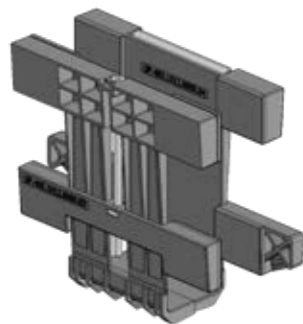


SPARQ Stringer support

Filling piece to fit the glass support in a steel stringer.

Length: for 5 m balustrade
SU = 16 pieces

Article number
SP.400.3000.0050.00



SPARQ Glass support

For adjustment and clamping of the glass panels in the steel stringer.
Available for different glass thicknesses.

Length: for 5 m balustrade.
SU = 16 pieces

Glass composition	Glass thickness	Article number
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.400.0606.0050.00
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.400.0808.0050.00
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.400.1010.0050.00
● 12.12.2 - 12.12.4	24.76 - 25.52mm	SP.400.1212.0050.00



SPARQ Stringer rubber

For sealing between glass and steel stringer.
Suitable for both walking and falling side.

Length: 7500 mm
Color: zwart
SU = 2x L = 7500 mm

Glass composition	Glass thickness	Article number
● 6.6.2 - 6.6.4	12.76 - 13.52 mm	SP.450.0606.0075.30
● 8.8.2 - 8.8.4	16.76 - 17.52 mm	SP.450.0808.0075.30
● 10.10.2 - 10.10.4	20.76 - 21.52 mm	SP.450.1010.0075.30
● 12.12.2 - 12.12.4	24.76 - 25.52mm	SP.450.1212.0075.30



SPARQ Toolkit stairs

Toolset with all the specific tooling you need for assembling.
Individual components of the toolset are also available separately.

	Article number
Toolset complete	SP.800.4000.0000.00
Leveller-tool	SP.800.4000.0000.02
Screw bit	SP.800.4000.0000.03
Hammer tool stringer support	SP.800.4000.0000.07
Hammer and removal tool	SP.800.4000.0000.05
Rubber roller	SP.800.4000.0000.06

With a matching color on the profile or handrail, the balustrade blends in even better with the design.

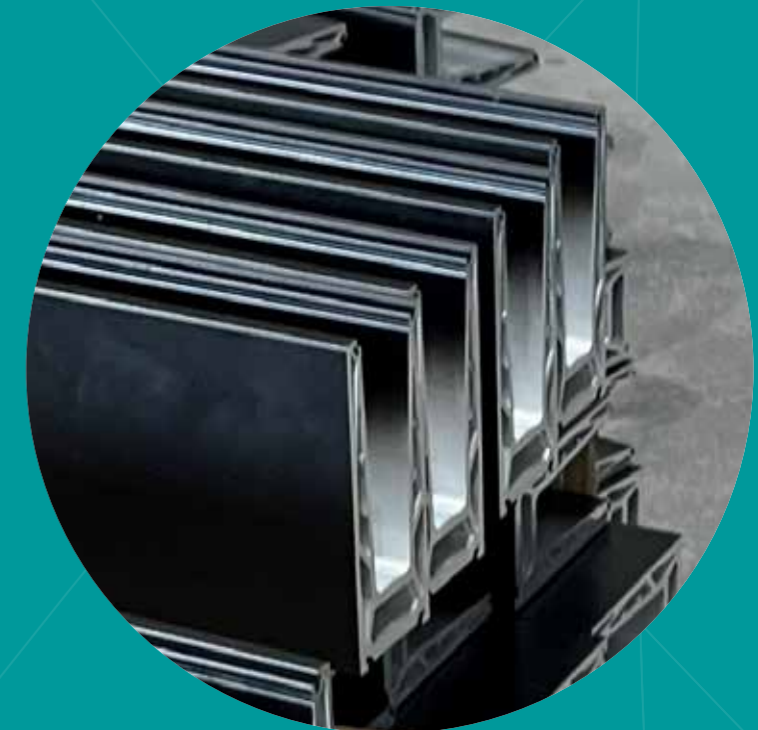


Villa - Schoorl



COLOR STYLING

Product characteristics	134
Coatings	135





PRODUCT CHARACTERISTICS

The aluminum parts are standard in stock in natural anodized version (25 µm). The products are therefore provided with a high-quality surface treatment that gives the product excellent corrosion protection, even in coastal areas.

Naturally, this does not give the desired appearance in all situations and we can also supply our products in any color you wish. This is then applied especially for you, project-based, using a powder coating or colored anodization.

Powder coatings are available in any standard RAL color. A smooth coating with 70% gloss (semi-gloss) is standard. If desired, the coating can also be made matt (30% glass) or

provided with a fine structure. If desired, please specify this clearly when placing your order!

The powder coating can be applied in different qualities and layer thicknesses, the choice mainly depends on the application climate.

For colored anodizations, the standard layer thickness is 25 µm. Color anodization is available in different variations of silver, champagne, bronze and black tones.

Powder coating

- Powder coating in standard RAL color of your choice
- Standard 70% gloss, matt or fine structure available on request
- = Available on all aluminum parts

Numbers and quantities in accordance with your order.

	Article number
1-layer powder coating	SP.850.1000.0001.00
2-layer powder coating	SP.850.1000.0002.00
Seaside powder coating	SP.850.1000.0003.00
Pre-ano + powder coating	SP.850.1000.0004.00

Color anodization

- Color anodization in color of your choice
- Available on all aluminum parts
- Layer thickness 25 µm

Numbers and quantities in accordance with your order.

Article number
SP.850.2000.0025.00



With prefab we offer a complete balustrade custom-made for your project.



De Twee Cheetah's - Artis Amsterdam



PREFAB

Product characteristics	138
Customizations	138





PRODUCT CHARACTERISTICS

We realize that labor is scarce and that knowledge is essential to successfully complete projects without worries. With Prefab we offer our knowledge and facilities to provide you with maximum support in efficiently realizing your project. We can support you throughout the entire process of preparation and realization of your project. We offer engineering, construction calculations and customized production. This guarantees you a perfectly fitting balustrade that is custom-made for you.

The starting point is your project and survey data. Based on your wishes, we can engineer and custom-produce a project for you or we can produce based on your own drawings. This means you only have to focus on the assembly process and you can achieve quick results with all parts perfectly tailored.

Customizations

	Article number
Engineering	SP.800.0000.0300.00
Construction calculations	SP.800.0000.0400.00
Prefab customized production	SP.800.0000.0500.00

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