System10

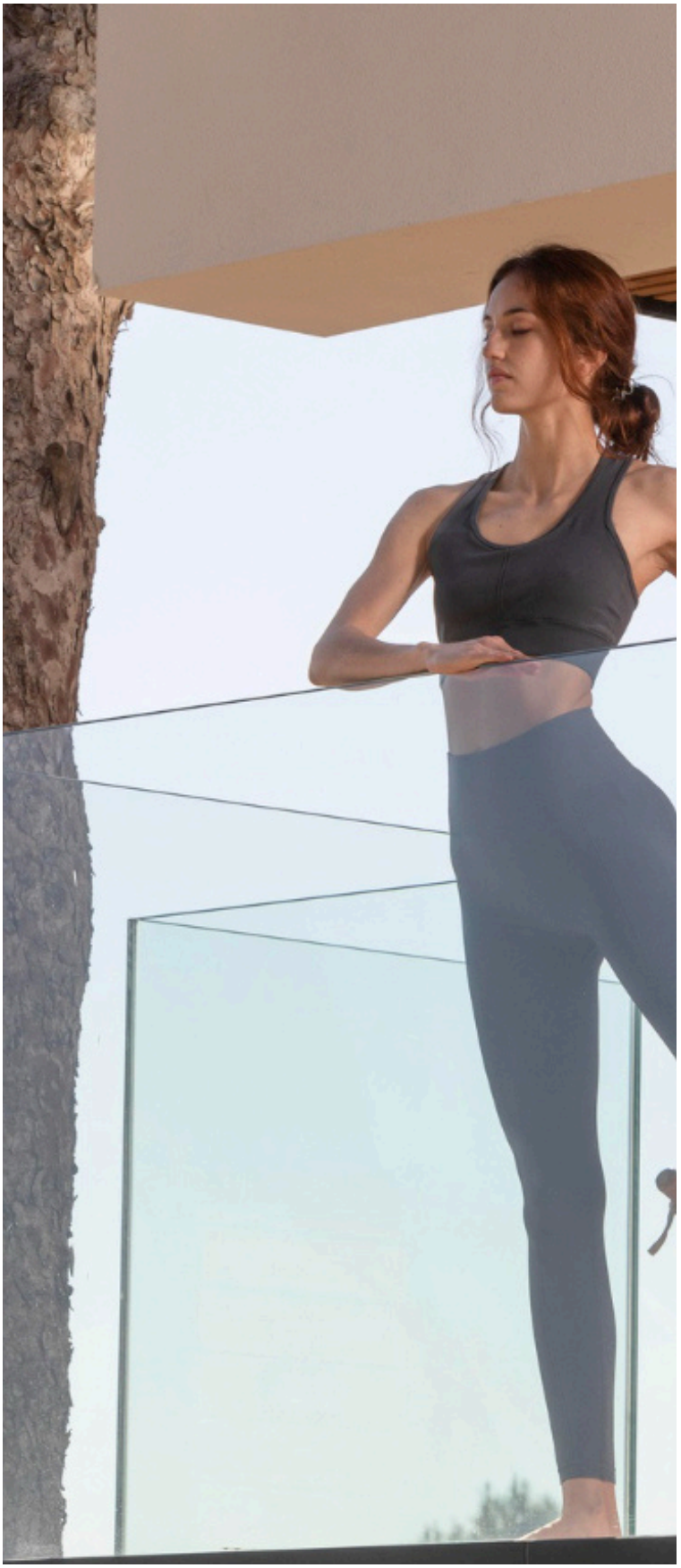
SYSTEM10.AE

'10

HANDRAIL SYSTEMS







'10 HANDRAIL SYSTEMS

Introducing the **System10** Handrail Series – a cutting-edge solution for modern architectural needs, offering superior durability and elegance. Designed to provide seamless integration with a variety of environments, the System10 series combines advanced technology with exceptional aesthetics. This catalog features a range of products, including our Surface-Mounted and Externally Mounted Glass Railing Systems, along with a Flush-Mounted Railing System for a clean, minimalistic look. Our All-Glass Overhead Canopy System adds sophistication to any structure, while the advanced Stainless Steel Frame Integration ensures unmatched strength and stability. The series also highlights high-quality Tempered Laminated Glass Top Rails & Fittings, adhering to the highest Safety Standards & Compliance. Explore the System10 Handrail Series and experience a new benchmark in safety, design, and innovation.

System10

Safety | Strength | Style

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Aluminum & Stainless Steel Top Rail & Accessories

Tempered & Laminated Glass

Safety Standards & Compliance

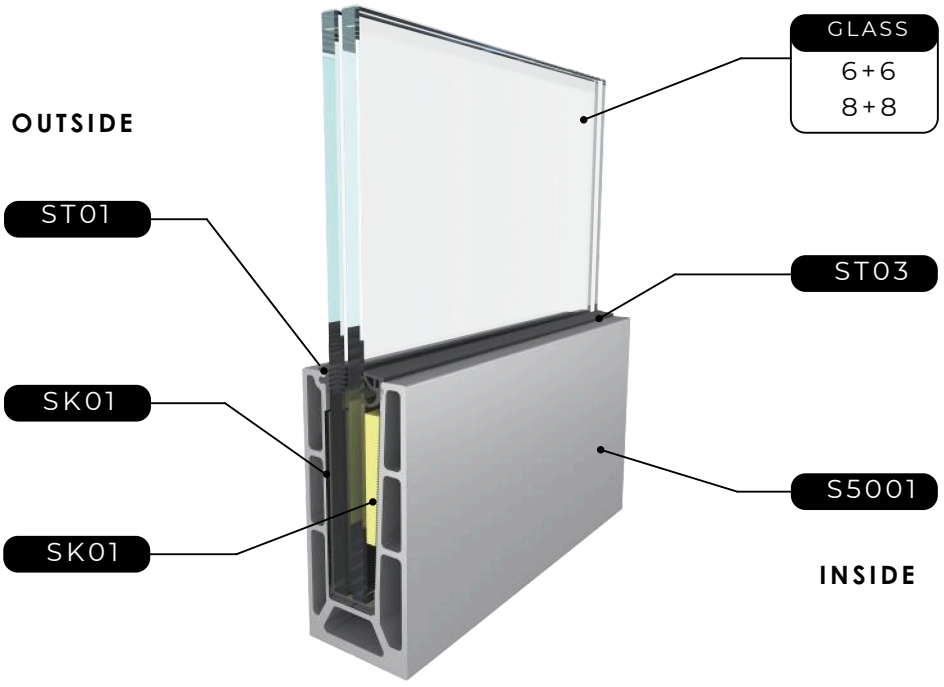
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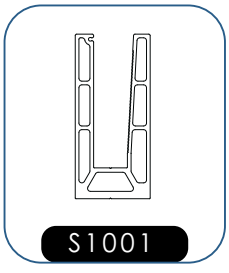
Order Process

SURFACE-MOUNTED GLASS RAILING SYSTEM

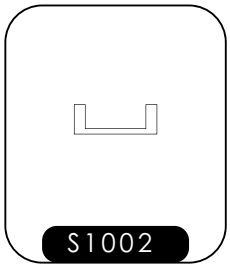
System10

S10 SURFACE MOUNTED

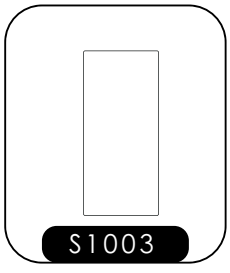




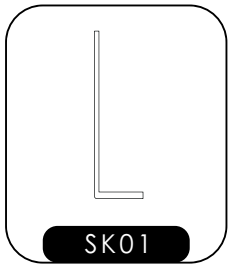
Base Profile



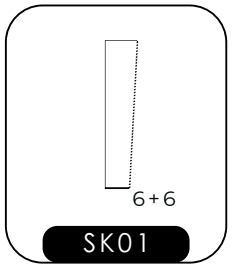
LED Strip Holder



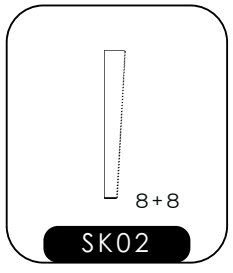
End Cap



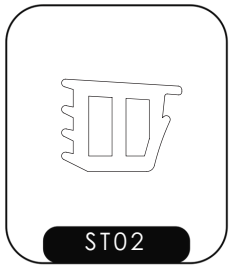
Acrylic



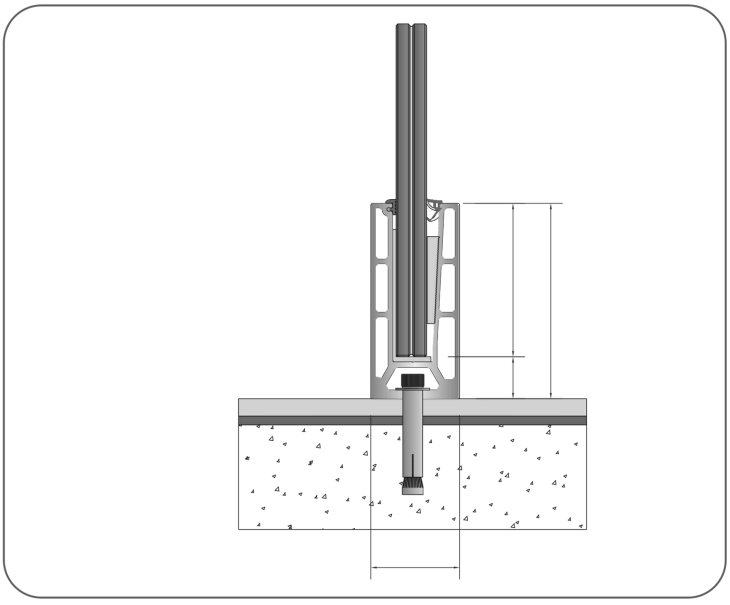
Wedge

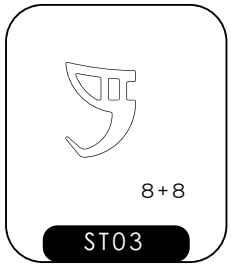


Wedge



Rubber Strip

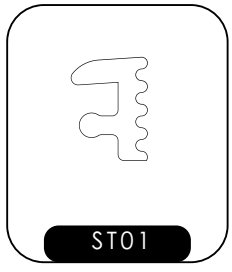




Rubber Strip

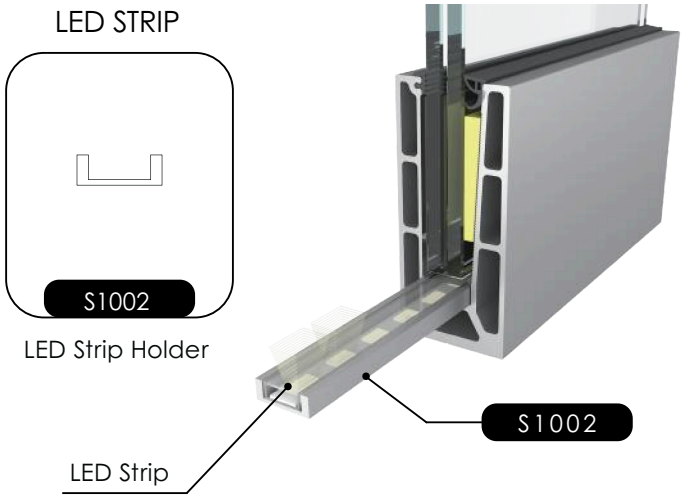


Expansion Bolt



Rubber Strip



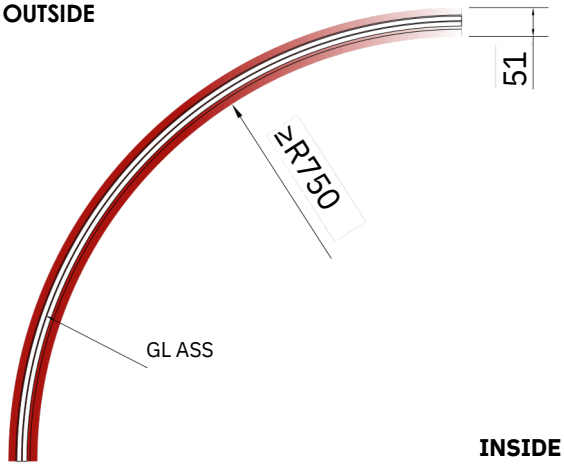




LINEAR CONTINUOUS PROFILE INSTALLATION



OUTSIDE



INSIDE

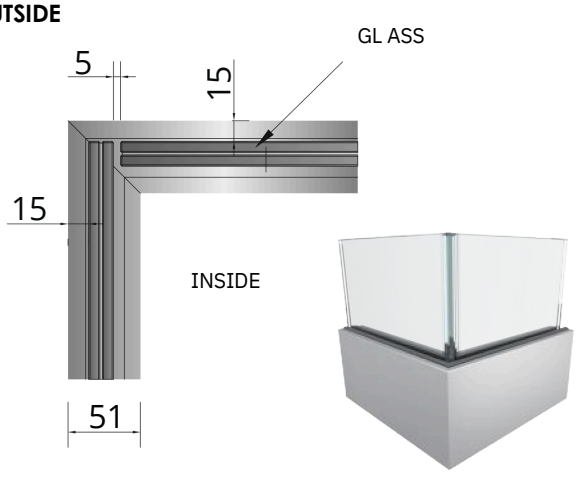


750mm

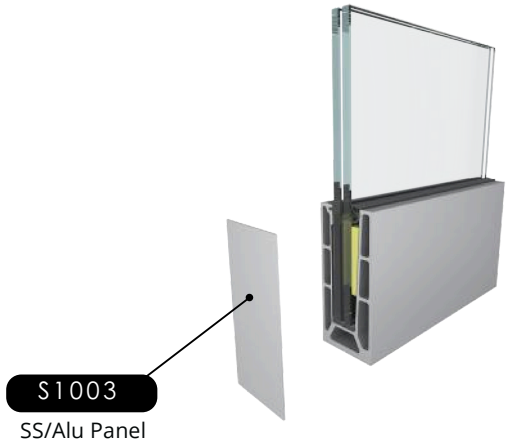
Curve radius should be bigger than 750mm

SPLICING INSTALLATION METHOD

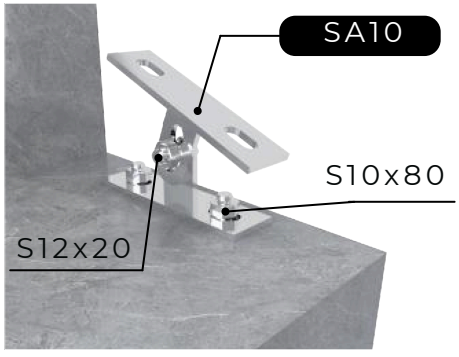
OUTSIDE



END CAP



Stair Adaptor



Detail of Stairway Application



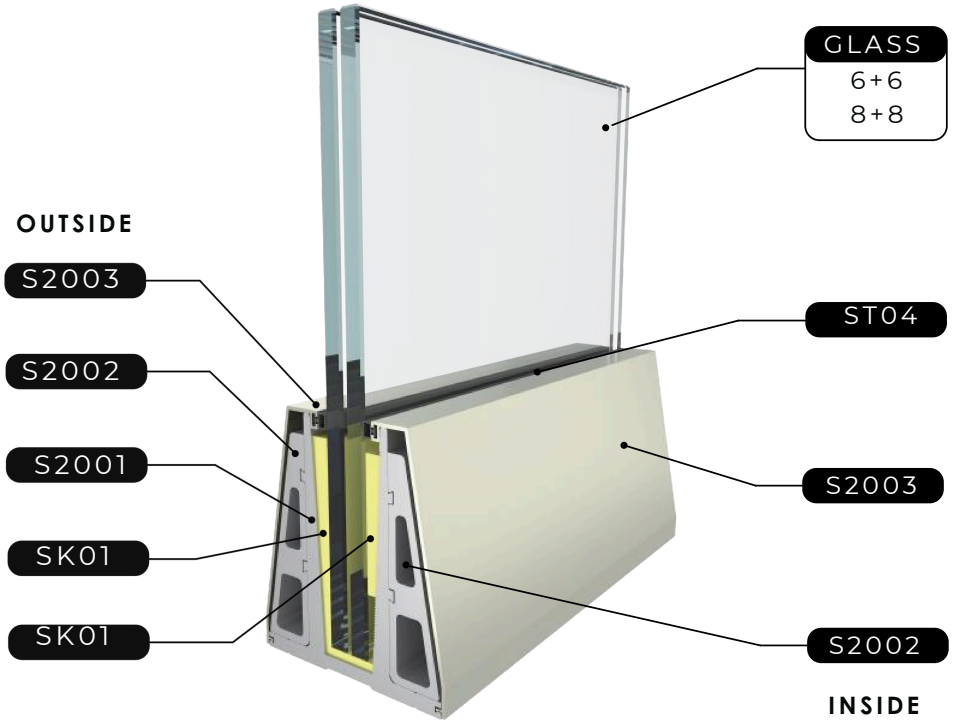
Marble Stone Covering
SS/Aluminum Panel Covering

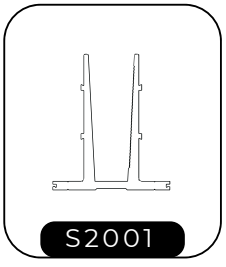


SURFACE-MOUNTED GLASS RAILING SYSTEM

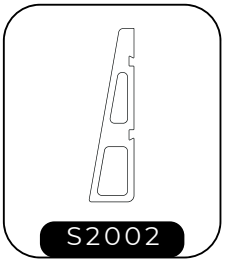
System10

S20 SURFACE MOUNTED

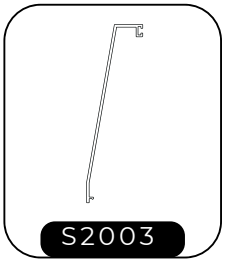




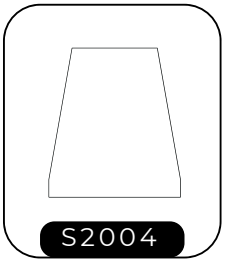
Base Profile



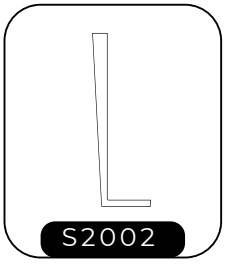
Rib Profile



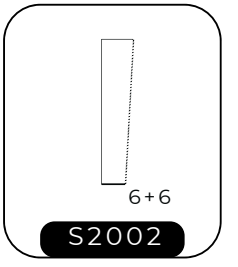
Decorative Cover



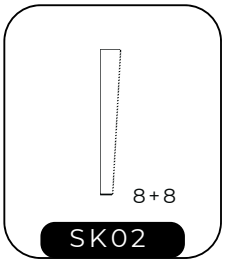
End Cap



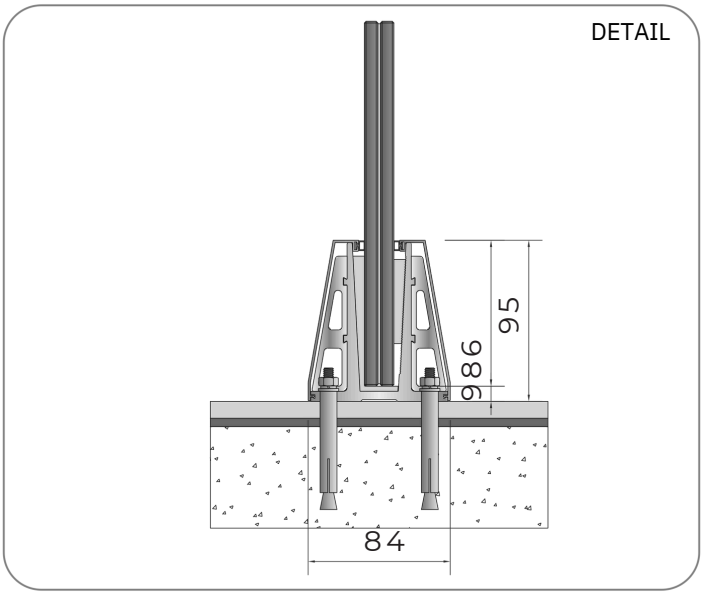
Nylon Washer

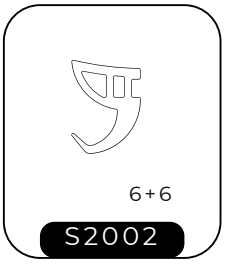


Wedge

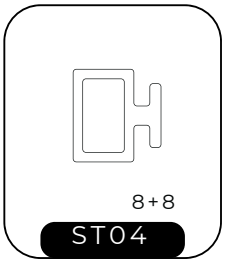


Wedge





Rubber Strip



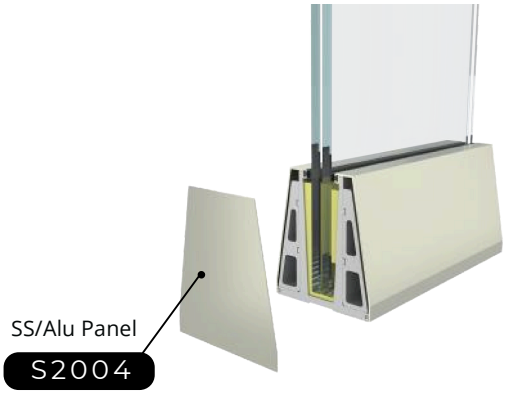
Rubber Strip



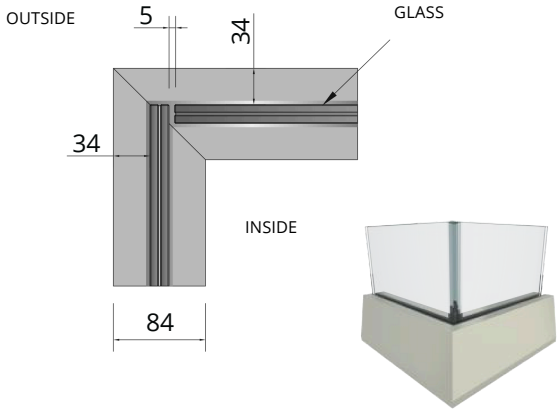
Expansion Bolt



END CAP



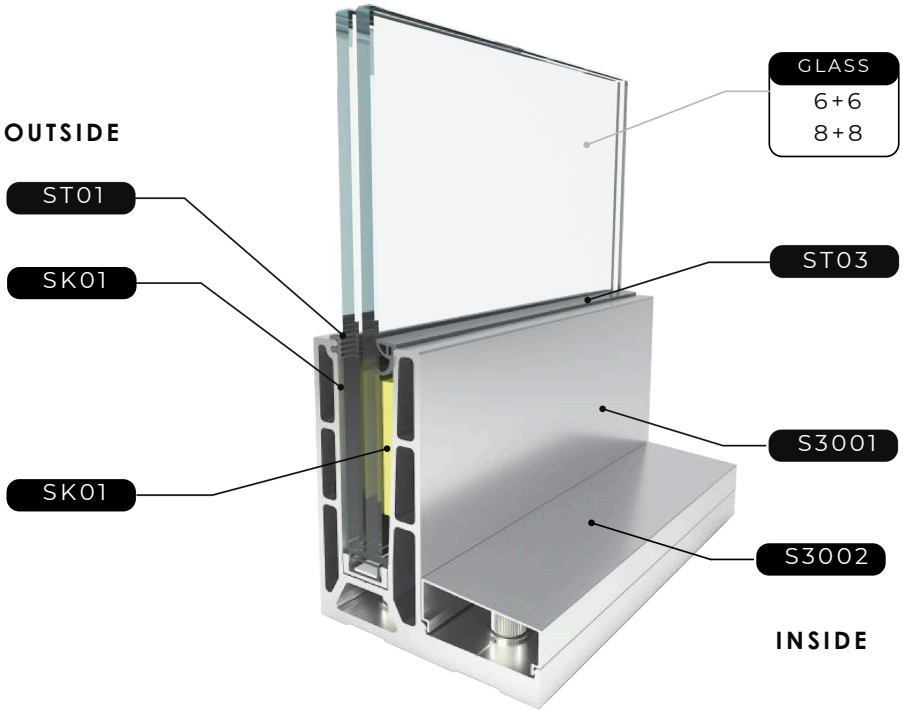
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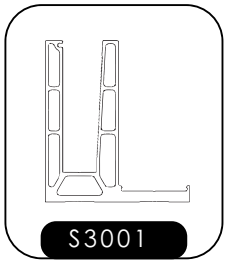


LINEAR CONTINUOUS PROFILE INSTALLATION

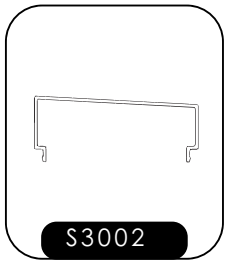


A30 SURFACE MOUNTED

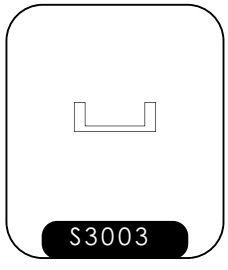




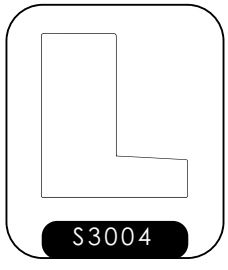
Base Profile



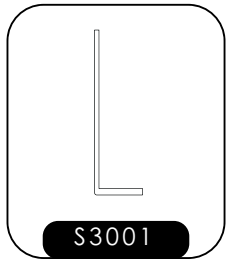
Decorative Cover



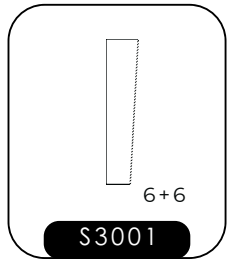
LED Strip Holder



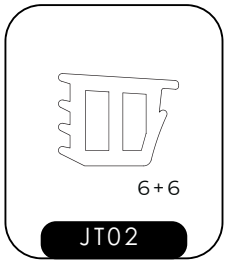
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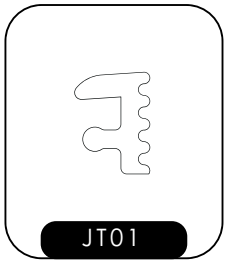
Acrylic



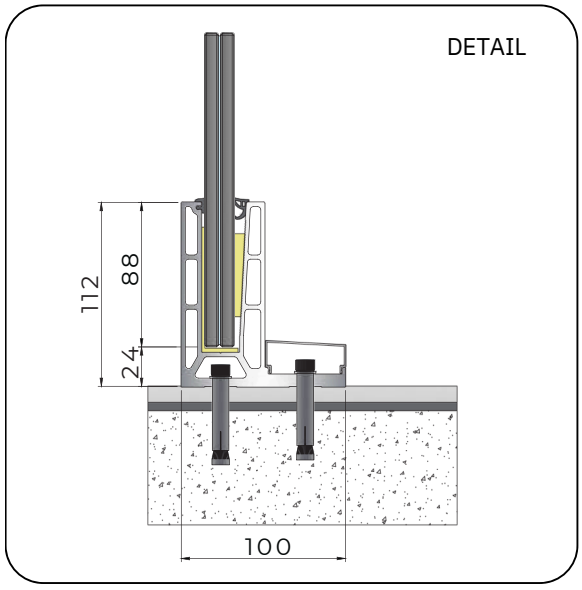
Wedge

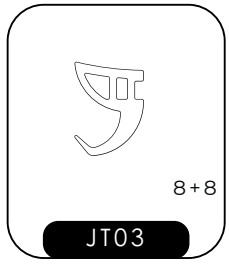


Rubber Strip

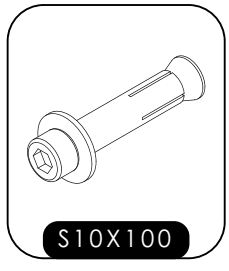


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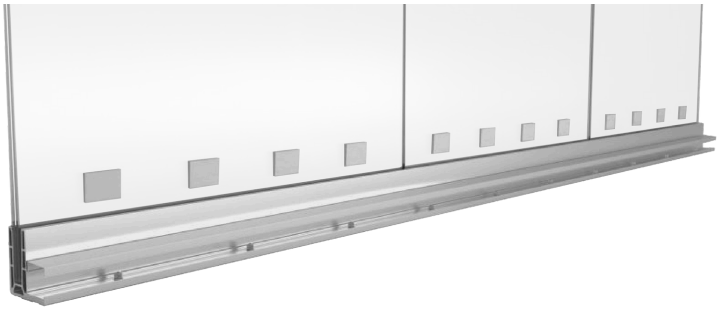
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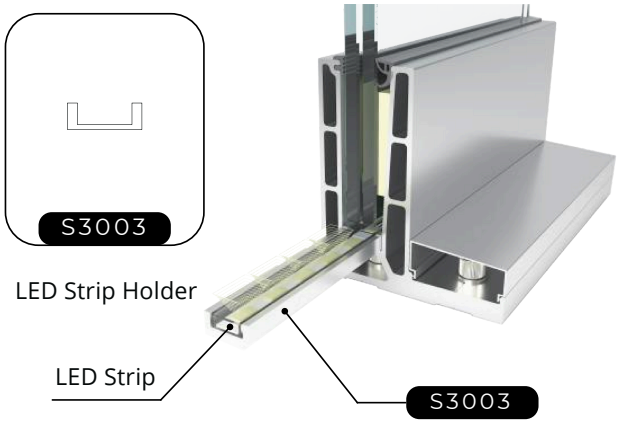
Expansion Bolt



LINEAR CONTINUOUS PROFILE INSTALLATION



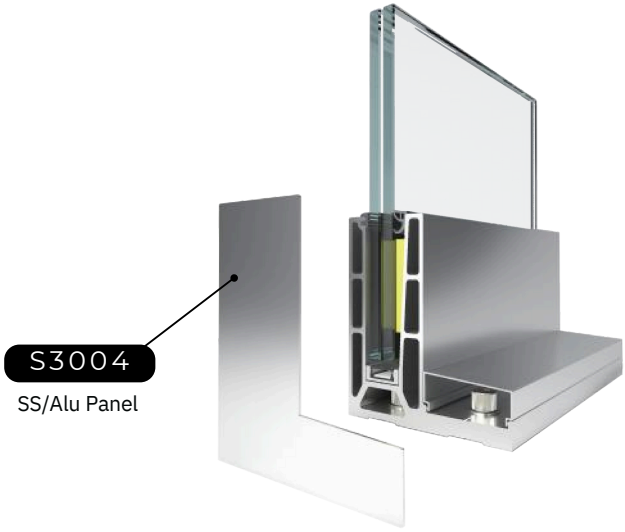
LED STRIP



SPLICING INSTALLATION METHOD

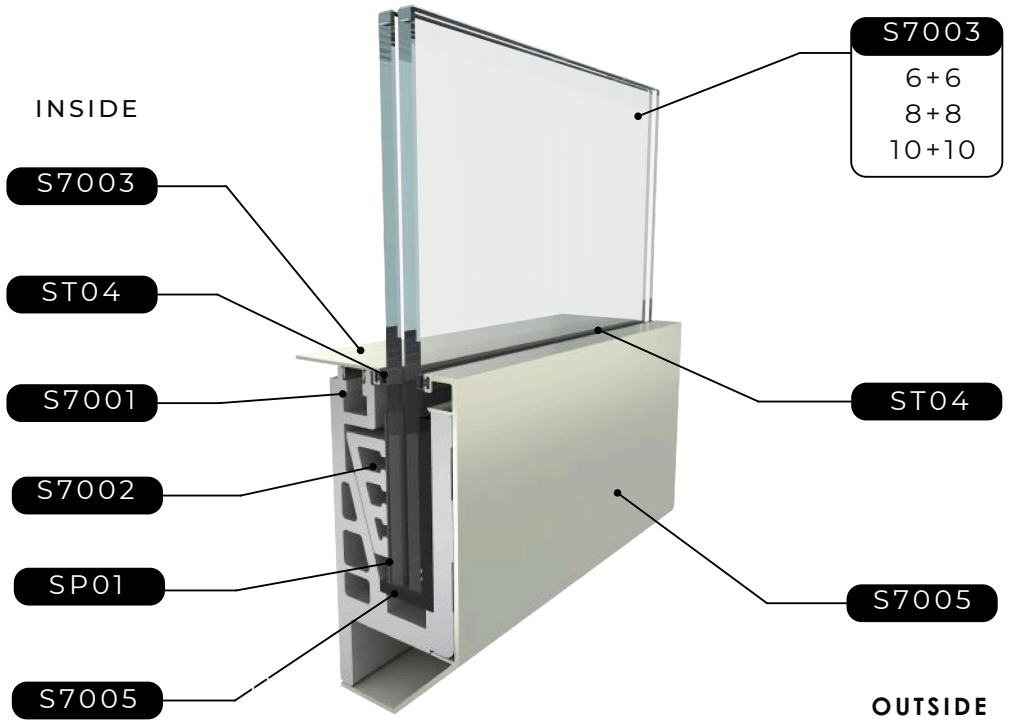


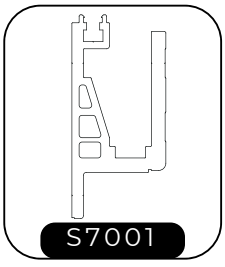
END CAP



A70

EXTERNALLY MOUNTED

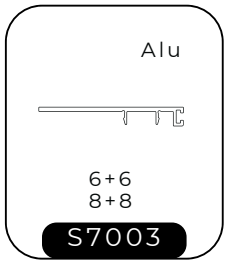




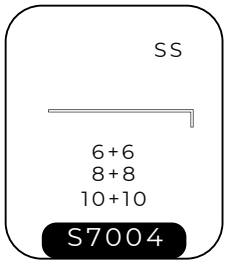
Base Profile



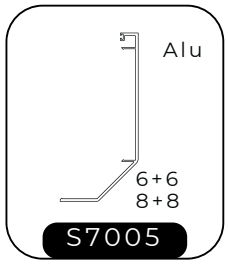
Adjustment Profile



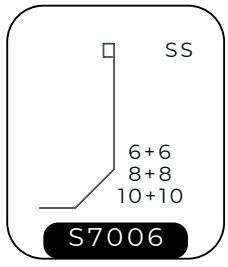
Decorative Cover



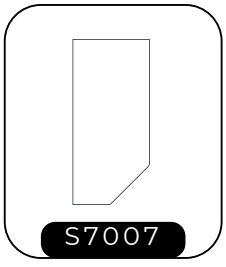
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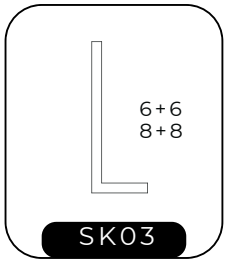
Decorative Cover



Decorative Cover



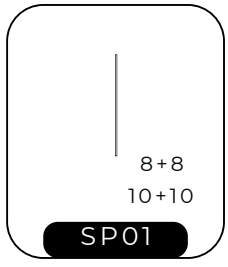
End Cap



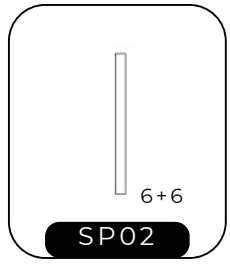
Acrylic



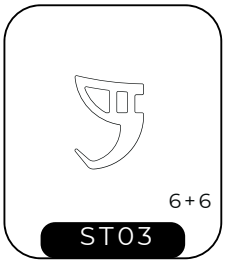
Acrylic



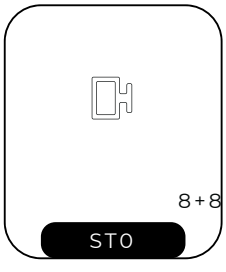
Nylon Washer



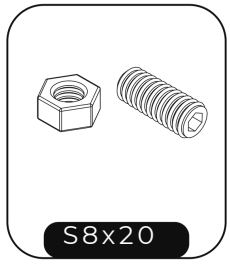
Nylon Washer



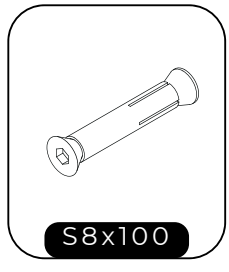
Rubber Strip



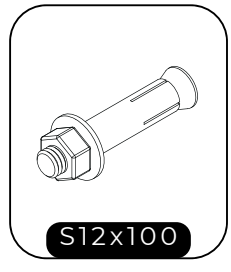
Rubber Strip



Set Screw



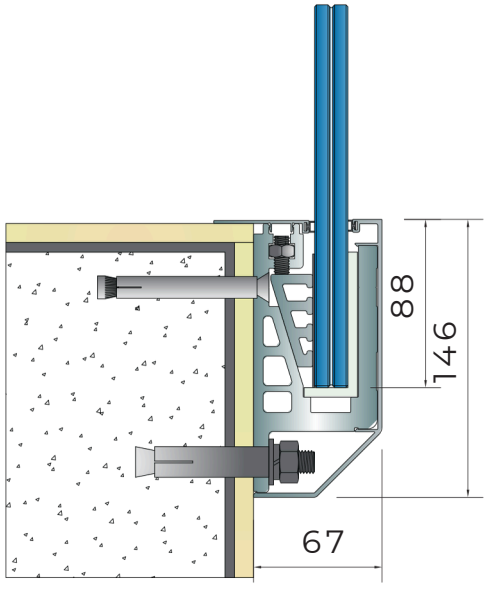
Expansion Bolt



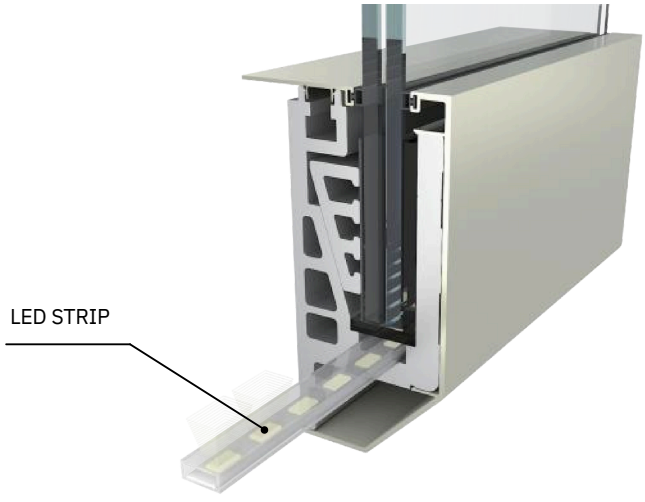
Expansion Bolt



DETAIL



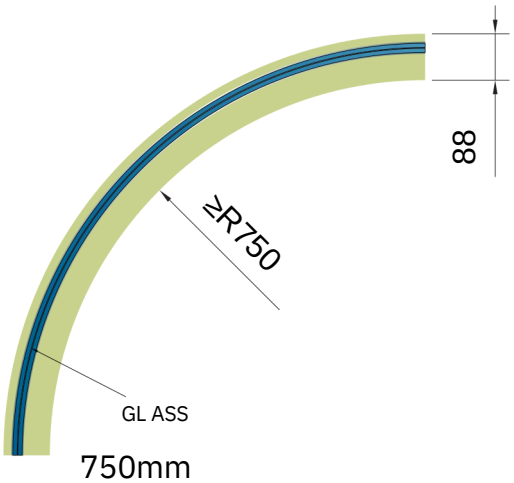
LED STRIP



LINEAR CONTINUOUS PROFILE INSTALLATION



OUTSIDE



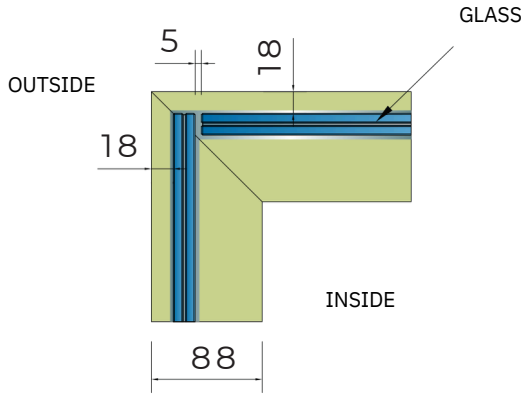
750mm

Curve radius should be bigger than 750mm



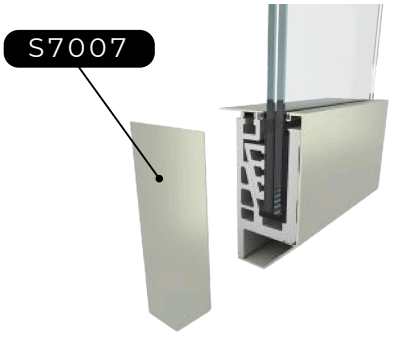
INSIDE

SPLICING INSTALLATION METHOD



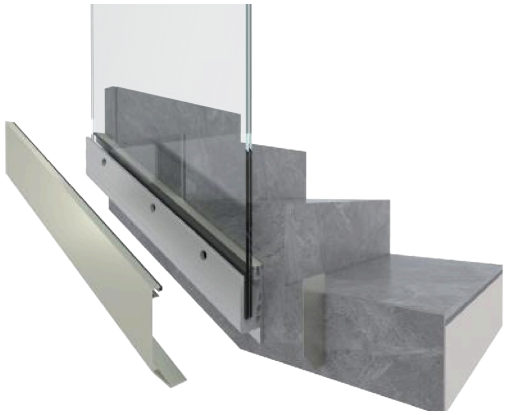


END CAP

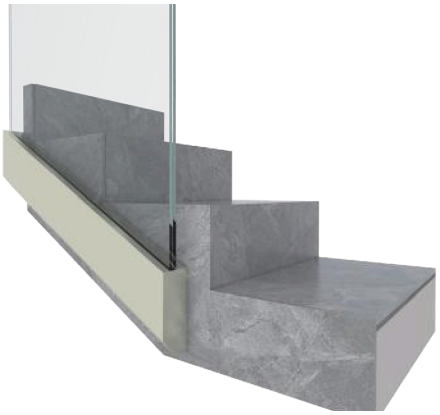


SS/Alu Panel

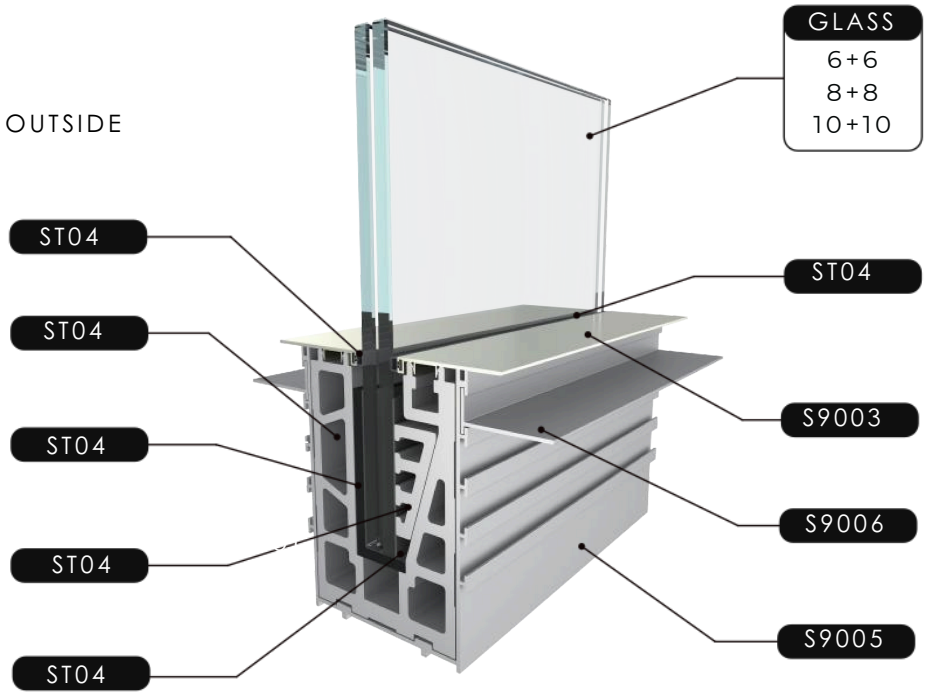
DETAIL OF STAIRWAY APPLICATION

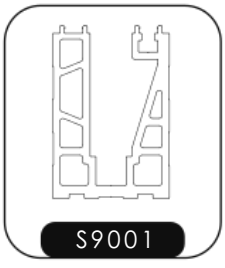


SS/ALUMINUM PANEL COVERING



A90 FLUSH MOUNTED

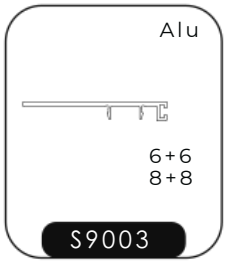




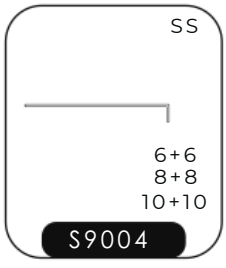
Base Profile



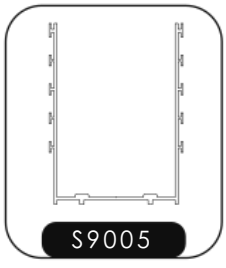
Adjustment Profile



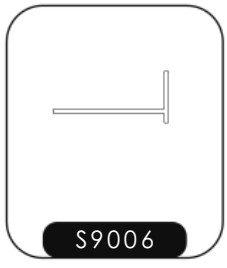
Decorative Cover



Decorative Cover



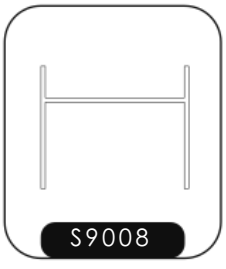
Embedded Profile



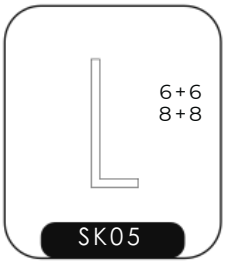
Partition Profile



Alu Cover



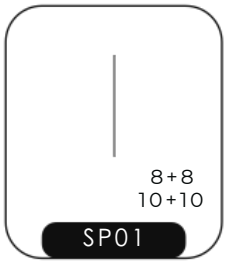
LED Strip Holder



Acrylic



Acrylic



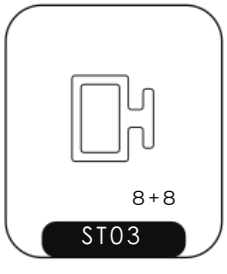
Nylon Washer



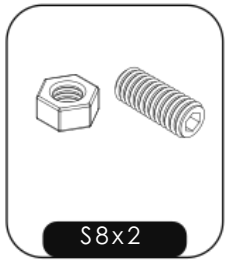
Nylon Washer



Rubber Strip



Rubber Strip

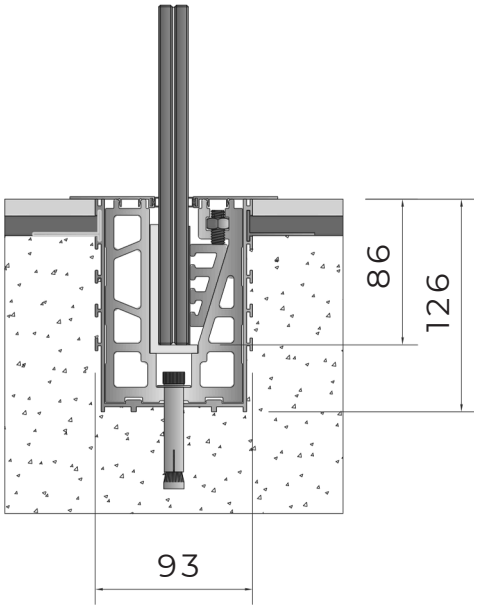


Set Screw

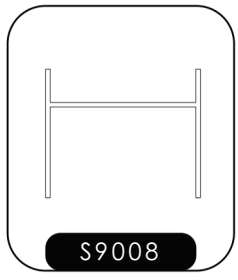


Expansion Bolt

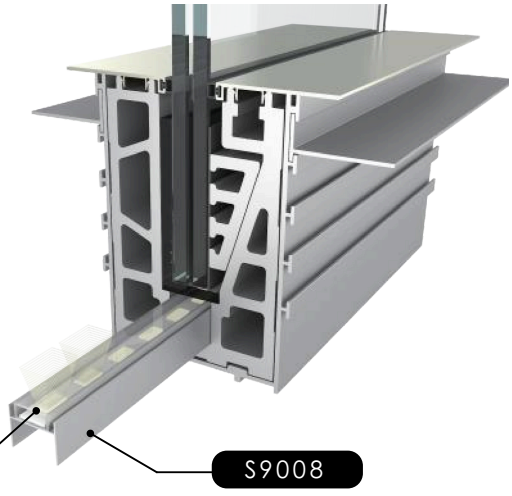
DETAIL



LED STRIP



LED Strip Holder

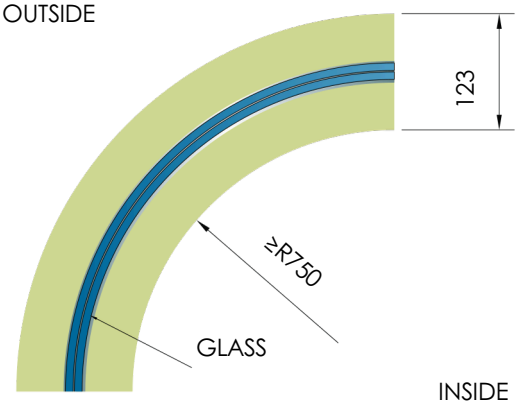


LED Strip

LINEAR CONTINUOUS PROFILE INSTALLATION



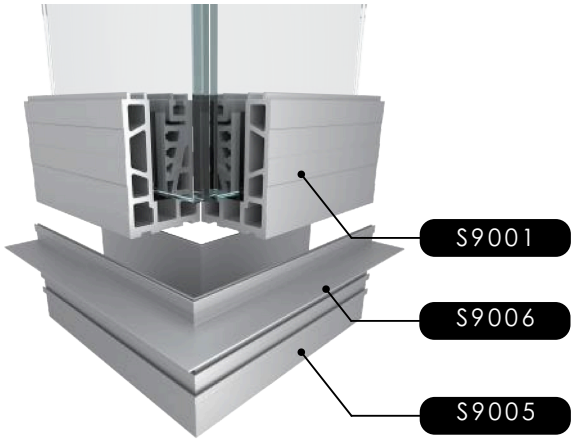
OUTSIDE

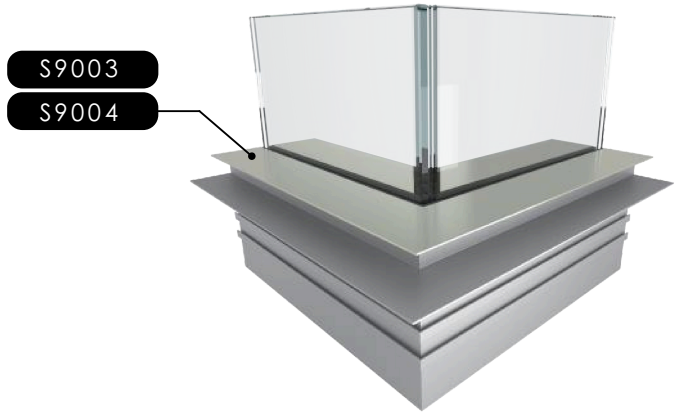


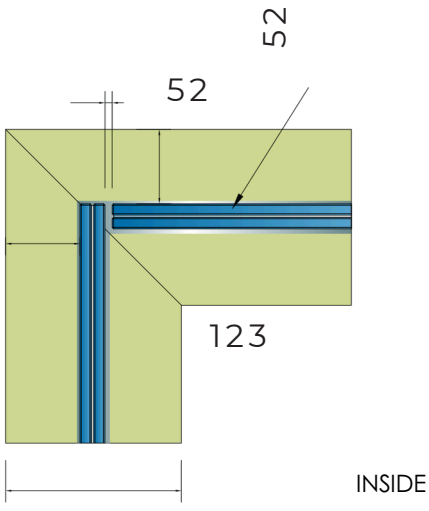


CURVE RADIUS SHOULD BE BIGGER THAN 750MM

SPLICING INSTALLATION METHOD

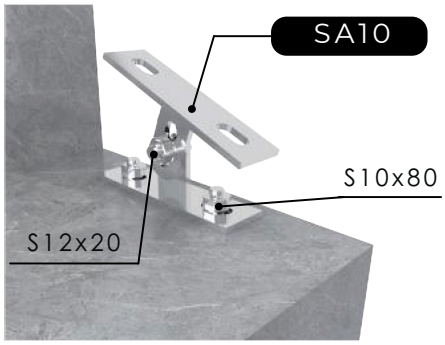








STAIR ADAPTOR



DETAIL OF STAIRWAY APPLICATION



MARBLE STONE COVERING
SS/ALUMINUM PANEL COVERING



SIDE-MOUNTED GLASS RAILING SYSTEM

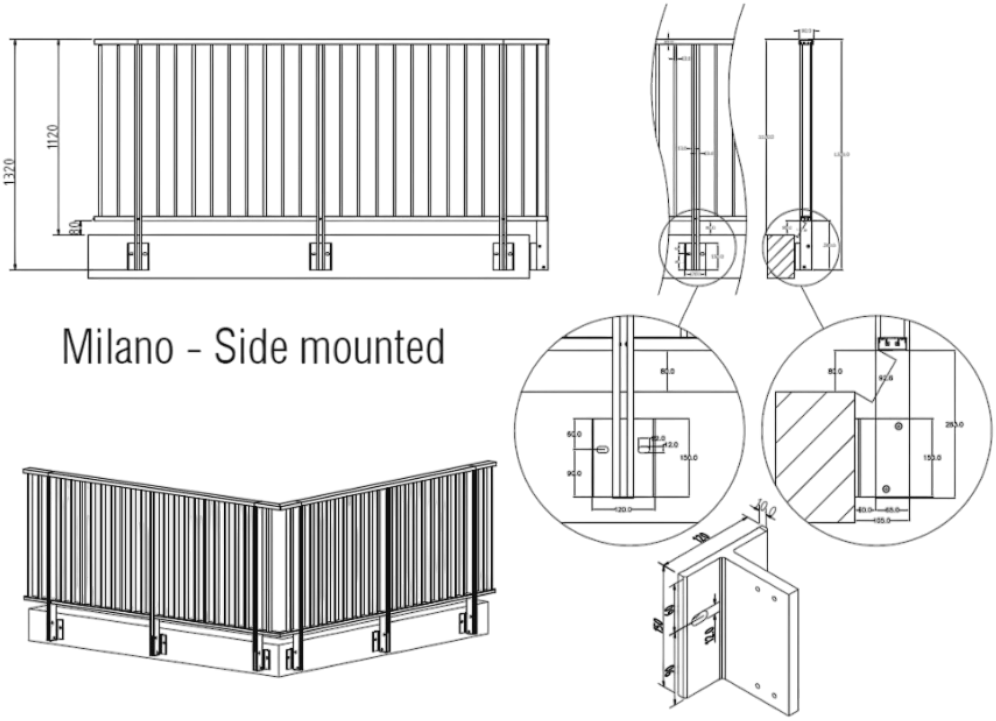


SIDE-MOUNTED GLASS HANDRAILS:

Side-mounted glass handrails are a sophisticated and space-efficient solution, ideal for modern architectural designs. In this system, tempered or laminated glass panels are securely fastened to the sides of staircases, balconies, or decks using specialized brackets or fittings. This mounting style eliminates the need for posts or base rails on the surface, allowing for uninterrupted floor space and creating a clean, streamlined appearance.

FEATURES AND BENEFITS:

- Space Efficiency: Maximizes usable floor area, making it an excellent choice for compact or high-traffic spaces.
- Aesthetic Appeal: Provides a minimalist, floating effect, enhancing the visual openness of the space.
- Versatility: Can be customized with clear, frosted, tinted, or patterned glass to suit different design themes.
- Structural Integrity: Uses high-strength glass and secure fixings, ensuring safety and durability.
- Application Variety: Suitable for staircases, balconies, terraces, and mezzanines.



BASE-PLANTED GLASS RAILING SYSTEM



BASE POST-MOUNTED HANDRAILS:

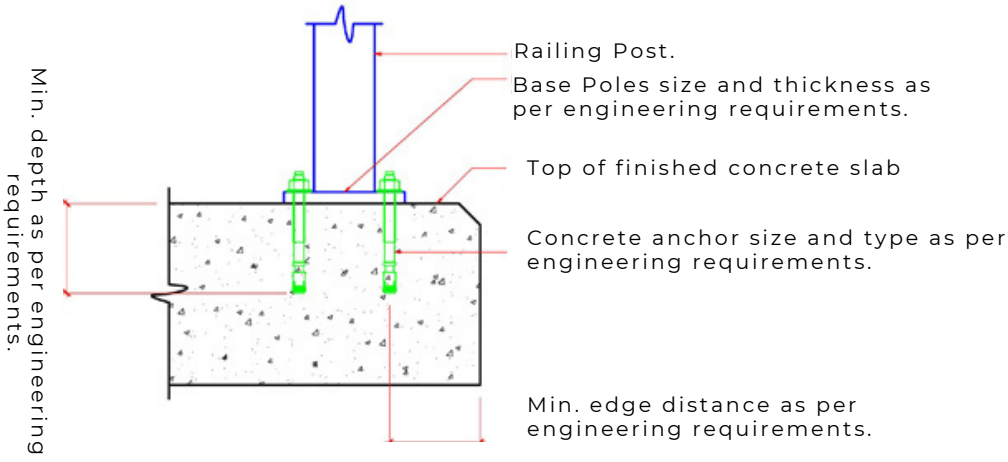
Base post-mounted handrails are a versatile and durable solution where handrails are supported by vertical posts anchored directly to the floor or surface. This style is highly adaptable and can be used with a variety of materials such as glass, metal, or wood to match the desired aesthetic. The posts are typically fixed using base plates and secured with bolts or anchors, ensuring stability and safety.

FEATURES AND BENEFITS:

- Wide Material Compatibility: Can be paired with glass panels, cables, perforated metal, or traditional railings.
- Strong Support: Offers robust structural integrity, making it suitable for high-traffic areas.
- Customizable Design: Available in various post styles, finishes, and heights to complement different architectural themes.
- Safety Compliance: Adheres to building codes for handrail systems in residential, commercial, and industrial settings.

COMMON APPLICATIONS:

1. Balconies and Terraces: Combines safety with an elegant look, particularly with glass or cable infill.
2. Staircases: Provides support along stairways, often with matching railing systems.
3. Ramps: Ensures accessibility and safety for inclined pathways.
4. Decks and Patios: Adds a modern or traditional touch, depending on the chosen materials and design.





Stud-Mounted Glass Handrails:
Stud-mounted glass handrails utilize a unique fixing system where the glass panels are attached to the structure using discreet metal studs or fasteners. This mounting technique provides a sleek and minimalistic look while ensuring a secure attachment. The studs are typically installed into the base or wall, and the glass panels are then placed and held in position by these fasteners, often at the edges or corners. This design is especially popular for modern homes, office buildings, and commercial spaces.

Features and Benefits:

- Sleek, Minimalistic Look: The studs offer a clean, unobtrusive appearance, making the glass panels appear to float in place.
- Structural Integrity: High-strength metal studs or fasteners ensure that the glass panels remain secure and stable.
- Adaptability: Suitable for both vertical and horizontal glass panels, allowing for creative and flexible designs.
- Aesthetic Customization: Glass panels can be clear, frosted, tinted, or patterned to complement the space's design.
- Modern Appeal: Provides a contemporary, architectural feel to both interior and exterior settings.

Applications:

1. Staircases: Ideal for stairway railings where a modern, transparent design is desired, ensuring both safety and a visual lightness.
2. Balconies and Terraces: Perfect for areas where a clear view is important, such as over-looking gardens, pools, or scenic landscapes.
3. Interior Partitions: Used to create divisions in open-plan spaces without compromising the flow of light or visibility.
4. Mezzanines: Can be used to safely enclose open mezzanine levels while maintaining a sophisticated design.

INSTALLATION METHODS:

1. Base-Mounted Studs: Metal studs are anchored directly into the floor, with glass panels inserted and fixed at the studs, often with rubber gaskets to ensure a secure and non-slip fit.
2. Wall-Mounted Studs: For installations against walls or edges, the studs are fixed to the wall, and the glass is then attached at the points.
3. Side-Mounted Studs: In some cases, studs are attached to the side of a structure, providing support at multiple points along the glass panels.

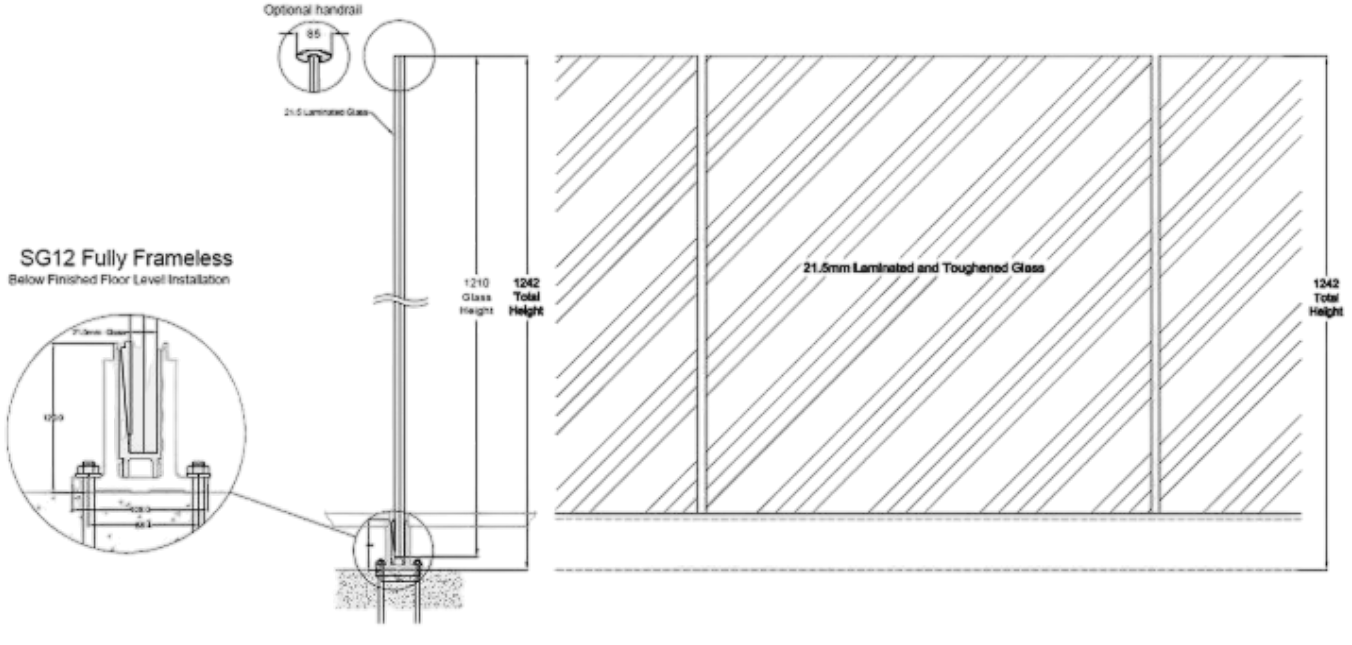
KEY CONSIDERATIONS:

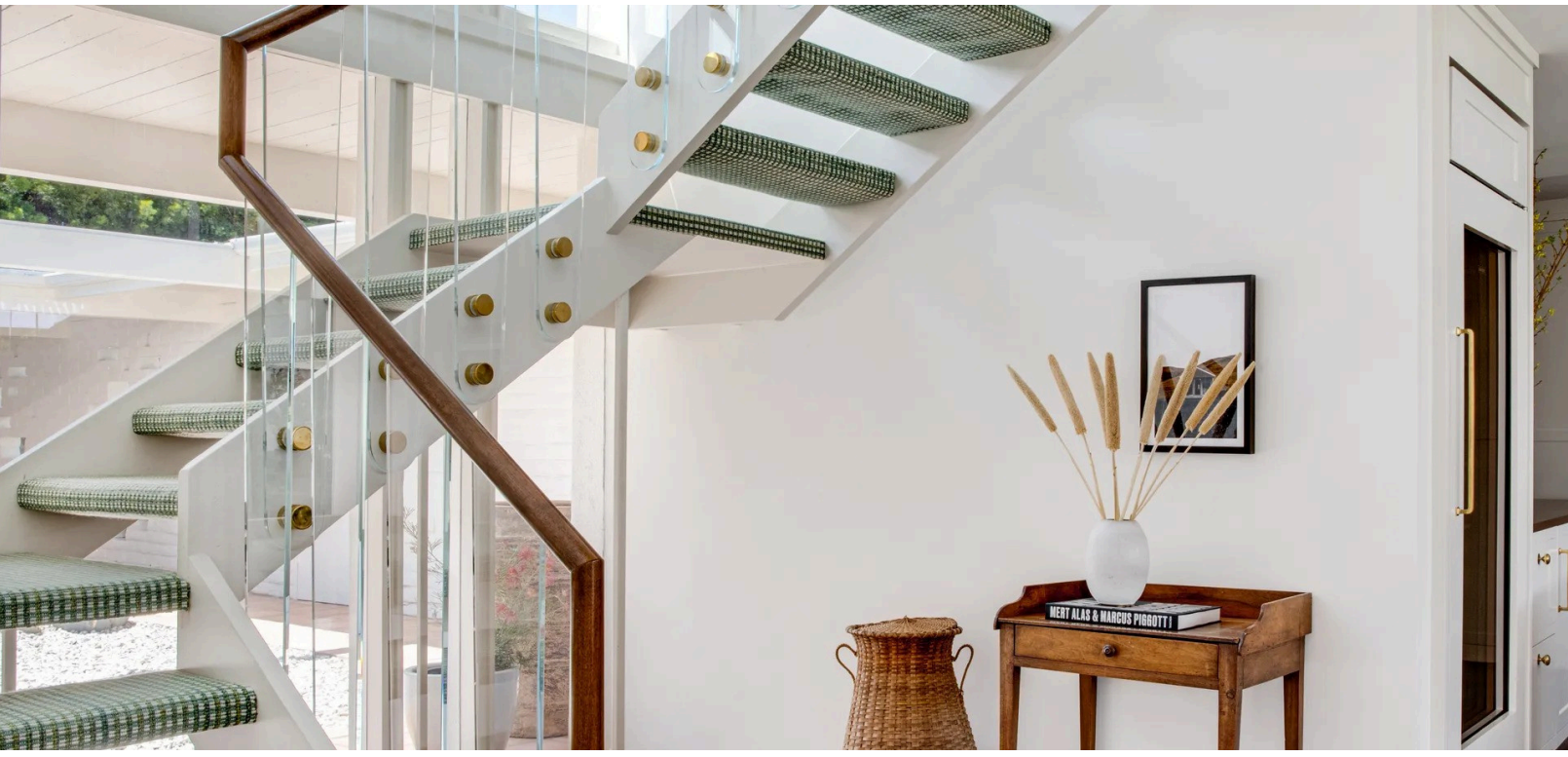
- Glass Thickness: Typically, 10mm to 12mm tempered or laminated glass is used, which ensures durability and strength.
- Spacing: Studs are placed strategically to maintain the structural integrity of the system and ensure the glass panels do not flex or bend.
- Finish of Studs: Studs come in a variety of finishes such as brushed, polished, or matte, which can be selected to match the surrounding decor and materials.

ADVANTAGES:

- Clean, Contemporary Look: The stud-mounted design offers a minimal, sleek profile, making it an excellent choice for spaces that prioritize aesthetic purity.
- Enhanced Visibility: The glass panels are the focal point, creating an open and airy feel while providing safety.
- Flexibility in Design: Stud-mounted glass handrails can be adapted for a wide range of designs, from simple lines to more intricate, multi-paneled systems.

Stud-mounted glass handrails provide an elegant, contemporary solution for spaces that value both design and functionality, particularly in high-end residential and commercial environments.





STUD-MOUNTED GLASS HANDRAILS:

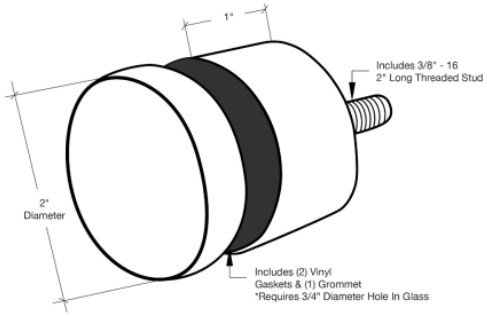
Stud-mounted glass handrails utilize a unique fixing system where the glass panels are attached to the structure using discreet metal studs or fasteners. This mounting technique provides a sleek and minimalistic look while ensuring a secure attachment. The studs are typically installed into the base or wall, and the glass panels are then placed and held in position by these fasteners, often at the edges or corners. This design is especially popular for modern homes, office buildings, and commercial spaces.

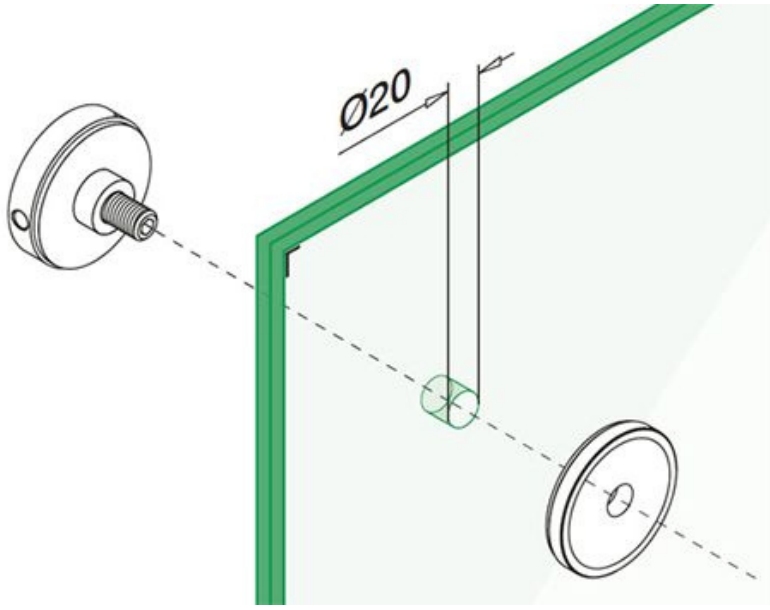
FEATURES AND BENEFITS:

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- Structural Integrity: High-strength metal studs or fasteners ensure that the glass panels remain secure and stable.
- Adaptability: Suitable for both vertical and horizontal glass panels, allowing for creative and flexible designs.
- Aesthetic Customization: Glass panels can be clear, frosted, tinted, or patterned to complement the space's design.
- Modern Appeal: Provides a contemporary, architectural feel to both interior and exterior settings.

APPLICATIONS:

1. Staircases: Ideal for stairway railings where a modern, transparent design is desired, ensuring both safety and a visual lightness.
2. Balconies and Terraces: Perfect for areas where a clear view is important, such as over-looking gardens, pools, or scenic landscapes.
3. Interior Partitions: Used to create divisions in open-plan spaces without compromising the flow of light or visibility.
4. Mezzanines: Can be used to safely enclose open mezzanine levels while maintaining a sophisticated design.





INSTALLATION METHODS:

1. Base-Mounted Studs: Metal studs are anchored directly into the floor, with glass panels inserted and fixed at the studs, often with rubber gaskets to ensure a secure and non-slip fit.
2. Wall-Mounted Studs: For installations against walls or edges, the studs are fixed to the wall, and the glass is then attached at the points.
3. Side-Mounted Studs: In some cases, studs are attached to the side of a structure, providing support at multiple points along the glass panels.

KEY CONSIDERATIONS:

- Glass Thickness: Typically, 10mm to 12mm tempered or laminated glass is used, which ensures durability and strength.
- Spacing: Studs are placed strategically to maintain the structural integrity of the system and ensure the glass panels do not flex or bend.
- Finish of Studs: Studs come in a variety of finishes such as brushed, polished, or matte, which can be selected to match the surrounding decor and materials.

ADVANTAGES:

- Clean, Contemporary Look: The stud-mounted design offers a minimal, sleek profile, making it an excellent choice for spaces that prioritize aesthetic purity.
- Enhanced Visibility: The glass panels are the focal point, creating an open and airy feel while providing safety.
- Flexibility in Design: Stud-mounted glass handrails can be adapted for a wide range of designs, from simple lines to more intricate, multi-paneled systems.

Stud-mounted glass handrails provide an elegant, contemporary solution for spaces that value both design and functionality, particularly in high-end residential and commercial environments.



SPIGOT-MOUNTED GLASS HANDRAILS:

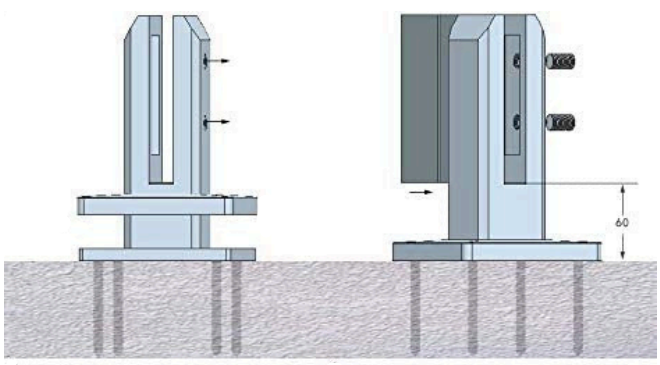
Spigot-mounted glass handrails are a sleek and modern design where glass panels are securely held by spigots at the base. This system offers a minimalist aesthetic, making it particularly popular for pool areas, balconies, and terraces. The spigots act as clamps, holding the glass firmly without the need for a full frame or continuous channel, resulting in a clean, floating appearance.

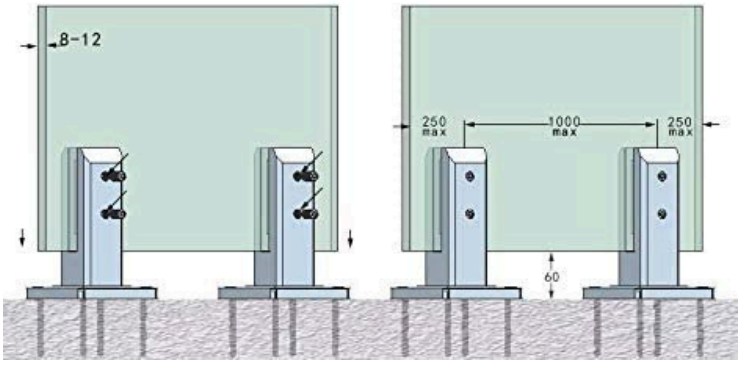
FEATURES AND BENEFITS:

- Minimalist Design: Provides a seamless and open look, emphasizing transparency and unobstructed views.
- Durable Materials: Spigots are typically made of corrosion-resistant stainless steel, ensuring longevity even in outdoor or coastal environments.
- Versatility: Compatible with a variety of glass types, including clear, frosted, tinted, or patterned options.
- Ease of Maintenance: The frameless design minimizes dirt accumulation and simplifies cleaning.
- Safety and Stability: Uses high-strength tempered or laminated glass, securely fastened with precision-engineered spigots.

APPLICATIONS:

1. Pool Fencing: Ensures safety around swimming pools while maintaining a luxurious, transparent barrier.
2. Balconies and Decks: Provides unobstructed views, ideal for scenic outdoor spaces.
3. Terraces and Gardens: Enhances the aesthetic appeal of open spaces while offering protection.
4. Interior Spaces: Can be used in staircases or loft areas to create a contemporary look.





INSTALLATION METHODS:

- Surface-Mounted Spigots: Spigots are bolted directly to the floor or surface, with optional base covers to conceal fixings.
- Recessed Spigots: Installed flush with the floor for an ultra-sleek, minimalist look.
- Adjustable Spigots: Allow for fine-tuning during installation to align glass panels perfectly.

KEY CONSIDERATIONS:

- Glass Thickness: Typically 10mm to 15mm tempered or laminated glass is used, depending on the application and building codes.
- Spigot Spacing: Spigots are evenly spaced to ensure adequate support and load distribution.
- Finishes: Spigots are available in brushed, polished, or matte finishes to match the design aesthetic.

Spigot-mounted glass handrails combine functionality and style, making them a premium choice for modern architecture and spaces that value both safety and elegance.



ALL-GLASS OVERHEAD CANOPY SYSTEM

C10 CANOPY



ALL-GLASS OVERHEAD CANOPY SYSTEM:

An all-glass overhead canopy system is a sophisticated architectural feature where glass panels are used to create a transparent, visually striking roofing solution. These canopies are designed to provide shelter and protection from the elements while maintaining a sense of openness and natural light. The glass panels are mounted to a structural frame, usually made of metal or steel, and are supported by a series of discreet fixings, creating a seamless, uninterrupted roof surface.

FEATURES AND BENEFITS:

- Transparent Protection: Provides shelter while allowing natural light to filter through, maintaining an open and airy feeling even in covered areas.
- Sleek, Modern Aesthetic: The glass-only design gives a clean, contemporary look, making it ideal for modern buildings and public spaces.
- Durable and Weather-Resistant: Made with toughened or laminated glass, the canopy system offers resistance to wind, rain, and other environmental conditions, ensuring long-term durability.
- Maximized Natural Light: Ideal for spaces where preserving daylight is important, such as courtyards, walkways, and patios.
- Customization Options: Glass can be selected in different finishes, such as clear, frosted, or tinted, to meet aesthetic preferences or functional needs (e.g., glare reduction, UV protection).

ALL-GLASS OVERHEAD CANOPY SYSTEM

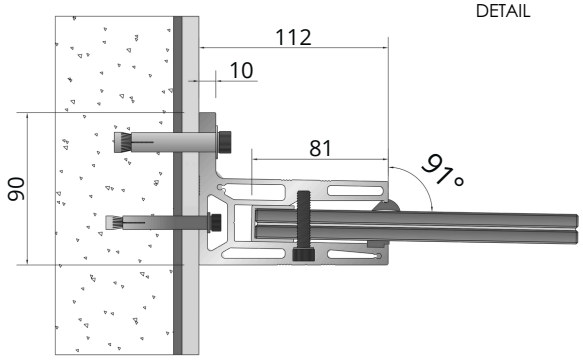
APPLICATIONS:

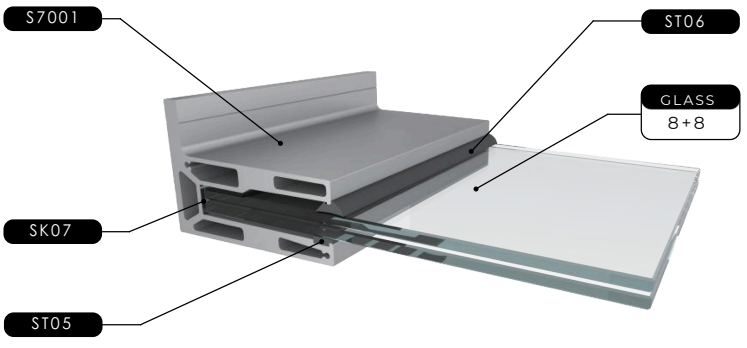
1. Entrance Canopies: Provides a sleek, stylish entrance cover for commercial buildings, hotels, or private homes, offering protection from the elements while maintaining visibility.
2. Walkways and Passageways: Creates open, well-lit pathways that remain dry and comfortable during rainy weather while maintaining a seamless design.
3. Outdoor Dining Areas: Commonly used in restaurants or cafes to provide shelter in outdoor seating areas, ensuring guests can enjoy the environment without being affected by weather.
4. Courtyards and Patios: Perfect for open spaces where a cover is needed but the goal is to maintain an open, airy feeling.
5. Skylights and Atriums: Ideal for use in atriums or large indoor spaces where natural light is desired but protection from the elements is still necessary.

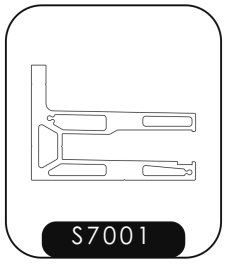
ADVANTAGES:

- Aesthetic Appeal: The all-glass design adds a striking architectural element to the building, creating a modern and high-end look.
- Environmental Comfort: Provides shelter from the elements while allowing for natural light, helping to reduce energy consumption by minimizing the need for artificial lighting.
- Customizable: Glass panels can be tailored to meet specific design needs, whether for privacy, transparency, or aesthetic preferences.
- Durable: High-strength glass ensures long-lasting performance, with resistance to weather, impact, and UV degradation.
- Low Maintenance: The smooth surface of glass is easy to clean and maintain, helping to preserve its appearance over time.

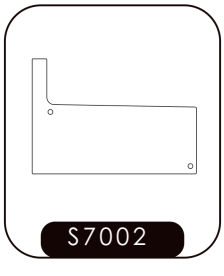
All-glass overhead canopy systems offer a perfect blend of beauty, functionality, and innovation, ideal for enhancing the architectural appeal of any space while providing practical shelter and protection. They are increasingly popular in both residential and commercial applications, particularly where the goal is to create a modern, open, and visually stunning environment.



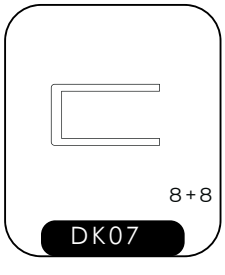




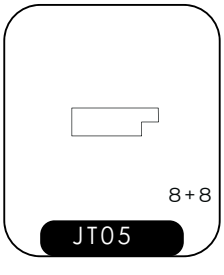
Base Profile



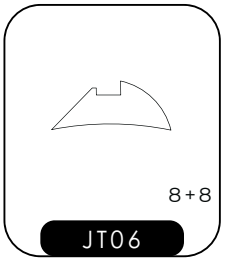
End Cap



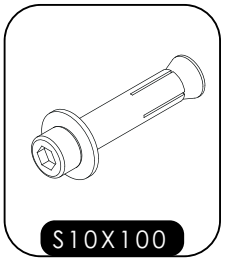
Nylon Washer



Rubber Strip



Rubber Strip



Expansion Bolt

ADVANCED STAINLESS STEEL FRAME INTEGRATION



The stainless steel frame can be seamlessly integrated with all ten frameless glass handrail profiles in the System10 catalogue. This versatile frame enhances both the functionality and aesthetics of the glass handrail systems.

PRODUCT FEATURES

- Advanced Stainless Steel Process: The frame is manufactured using cutting-edge stainless steel processing techniques and electrostatic powder coating. It undergoes high-temperature curing to ensure superior anti-corrosion and anti-rust performance.
- Anti-Corrosion & Anti-Rust: Designed to withstand harsh weather conditions, the frame offers long-lasting protection against rust and corrosion.
- Anti-Theft Dismantling: The frame incorporates security features that make unauthorized removal difficult, enhancing safety.
- Quick & Easy Installation: The frame is designed for fast, hassle-free installation, reducing labor time and effort.
- Aesthetic & Environmentally Friendly: The sleek and modern design of the frame not only enhances the visual appeal of the handrails but is also made with eco-friendly materials.

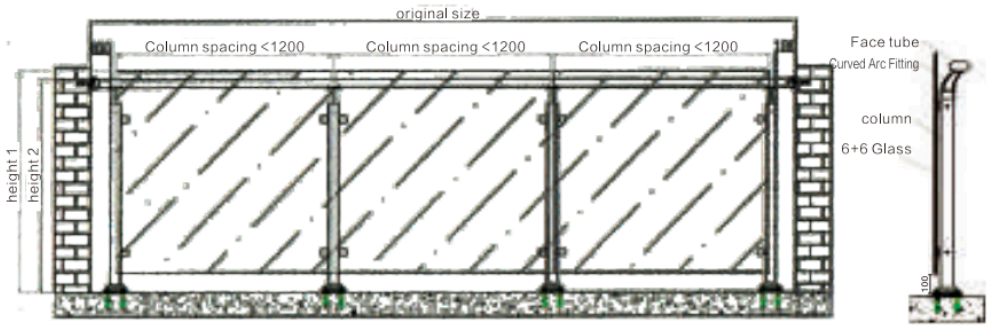
PROFILE SPECIFICATIONS

- Face Tube: Available in 30x60 mm and 40x80 mm oval tube options with thicknesses ranging from 1.0 mm to 2.75 mm.
- Column: Options include 40 mm and 50 mm square tubes with thicknesses from 1.0 mm to 3.0 mm.
- Crossrail: Available in 32 mm, 35 mm square tubes and 40x30 mm rectangular tubes with thicknesses ranging from 0.7 mm to 2.0 mm.
- Vertical Rails: Options include 19 mm and 20 mm square tubes, as well as flat ellipse tubes in sizes 12x25 mm and 15x25 mm with thicknesses from 0.6 mm to 2.0 mm.
- This stainless steel frame option adds durability, security, and a modern aesthetic to any frameless glass handrail configuration, making it an ideal choice for both residential and commercial applications.

MATERIAL SPECIFICATIONS

Name (zinc steel)	Norm	Geometry	Name (zinc steel)	Norm	Geometry	Name (zinc steel)	Norm	Geometry
Surface tube	50x100		crossbar	35x35		Surface tube	40x80	
Surface tube	40x80		crossbar	40x40		Surface tube	40x80	
Surface tube	40x80		shaft	22x30		Surface tube	30x60	
Surface tube	30x60		shaft	19x19		column	40x40	
Surface tube	40x60		shaft	16x16		column	45x45	
column	40x40		shaft	25x25		column	50x50	
column	50x50		shaft	12x25		crossbar	32x32	
column	45x45		shaft	20x40		crossbar	40x40	
crossbar	32x32		shaft	22x48		shaft	22x30	
shaft	25x25							

FLOOR PLAN



FLOOR PLAN



ALUMINUM & STAINLESS STEEL TOP RAIL & ACCESSORIES

System10

S1010

STAINLESS STEEL GLASS SPIGOT

Weight: 3lbs 4oz.

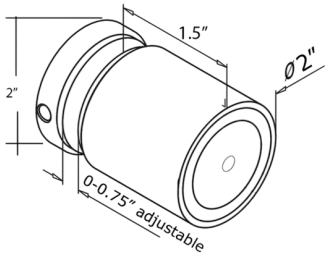




S1020

MOUNT FOR GLASS RAILING

Dimensions: 2" diameter x 1.5" Long

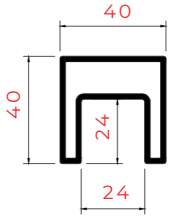




S4040

SQUARE GROOVE HANDRAIL TUBE

Size: 40*40*2mm
Groove Size: 24*24

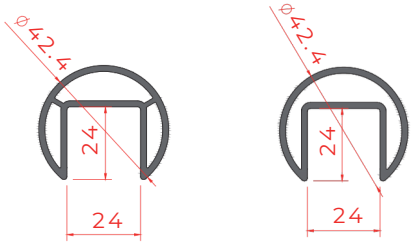




S424

ROUND GROOVE HANDRAIL TUBE

Size: 40*40*2mm
Groove Size: 24*24

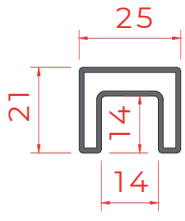




S2521

ROUND GROOVE HANDRAIL TUBE

Size: 40*40*2mm
Groove Size: 24*24





ALUMINUM & STAINLESS STEEL TOP RAIL & ACCESSORIES

System10

Connector
ST4040



Elbow
ST4040



Cover
SG4040



Flange
SL4040



ConnectorJ
S424



Elbow
ST424



Cover
SG424



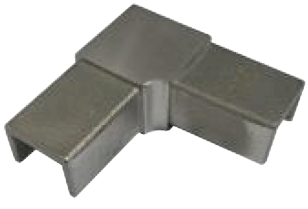
Flange
SL424



Connector
ST2521



Elbow
ST2521



Cover
SG2521



Flange
SL2521



ConnectorJ
S254



Elbow
ST254



Cover
SG254



Flange
SL254





6+6	
6+0.76PVB+6	6+0.76SGP+6
6+1.14PVB+6	6+0.89SGP+6
6+1.52PVB+6	6+1.52SGP+6



8+8	
8+0.76PVB+8	8+0.76SGP+8
8+1.14PVB+8	8+0.89SGP+8
8+1.52PVB+8	8+1.52SGP+8



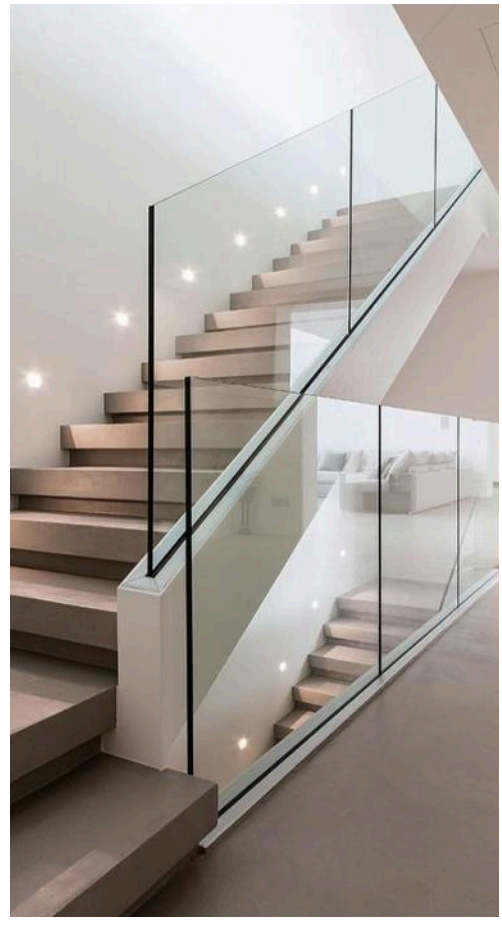
10+10	
10+1.14PVB+10	10+0.89SGP+10
10+1.52PVB+10	10+1.52SGP+10



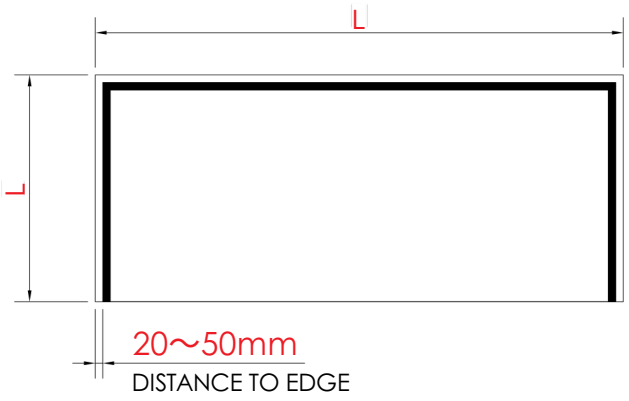
12+12	
12+1.14PVB+12	12+0.89SGP+12
12+1.52PVB+12	12+1.52SGP+12

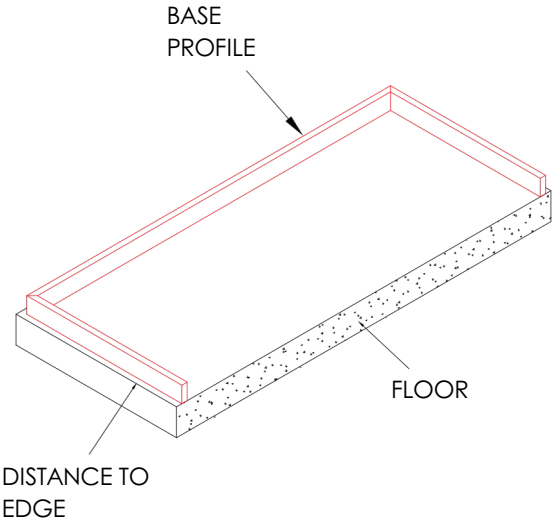


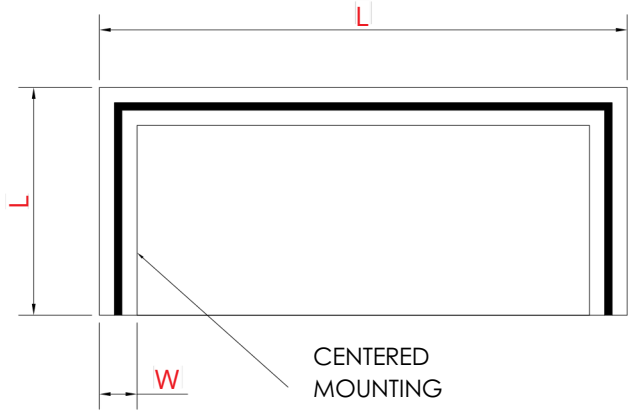
CURVED
6+2.28VB+6
8+2.28PVB+8
10+2.28PVB+10



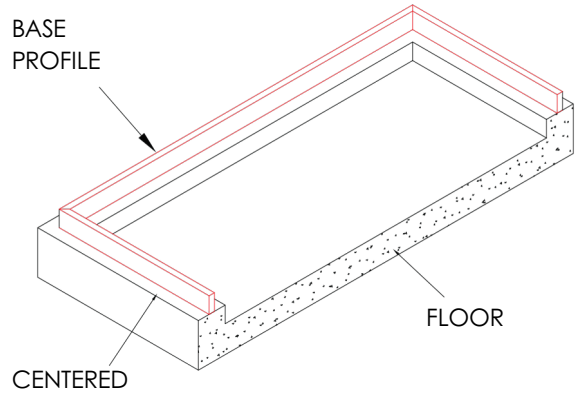
DIMENSION MEASUREMENT

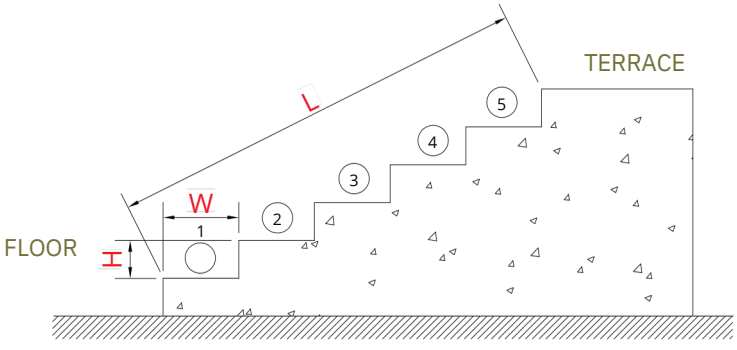




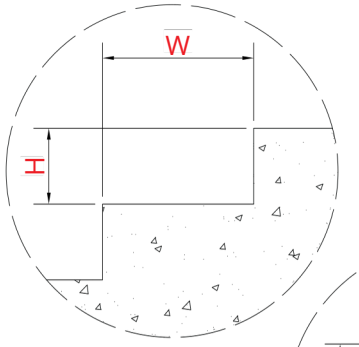


LENGTH- L.
REVERSED BEAM WIDTH-W.

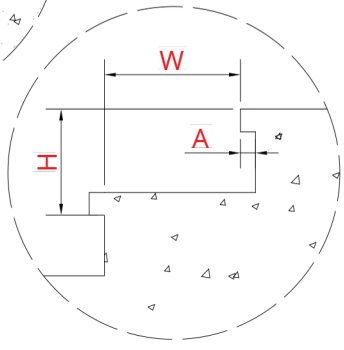




LENGTH- L.
STEP HEIGHT-H.
STEP WIDTH-W.
STEP QUANTITY



ORDINARY
STAIR



CONVEX
STAIR

UNITED ARAB EMIRATES
MINISTRY OF INTERIOR

الإمارات العربية المتحدة
وزارة الداخلية

OVERVIEW

At **System10,** we ensure that all our handrails meet the safety requirements outlined in the UAE Fire and Life Safety Code of Practice 2018. This section highlights the key standards and guidelines that we follow to provide safe, reliable, and compliant handrail solutions for various projects across the UAE.

1. Handrail Specifications

Height Requirements:

- Handrails must be installed between 865 mm and 965 mm above the stair tread nosing.

Continuity:

- Handrails must be continuous along the entire stair flight, including around landings, ensuring uninterrupted support.

Handrail Extensions:

- At the top of the stair flight, handrails must extend horizontally for at least 300 mm beyond the last riser.
- At the bottom, handrails should continue the slope for one tread depth, followed by a 300 mm horizontal extension.

Projection from Wall:

- Handrails are permitted to project a maximum of 114 mm from the wall.

Clearance from Wall:

- A minimum clearance of 38 mm is required between the handrail and any adjacent wall to allow for a secure grip.

2. Guardrail Standards

Height of Guardrails:

- Guardrails must be at least 1,070 mm in height on open sides of stairs, balconies, and landings to prevent falls.

Opening Limitations:

- Guardrails must be designed to prevent the passage of a sphere larger than 100 mm to ensure safety, especially for children.

Structural Strength:

- Handrails and guardrails must withstand a concentrated load of 0.89 kN applied at any point and in any direction along the top rail.
- The infill area between the top rail and the floor must resist a horizontal load of 0.75 kN/m².



Figure 1.16.b.: Balcony Railing Specifications

BENCHMARK

Uncompromising Quality and Craftsmanship.

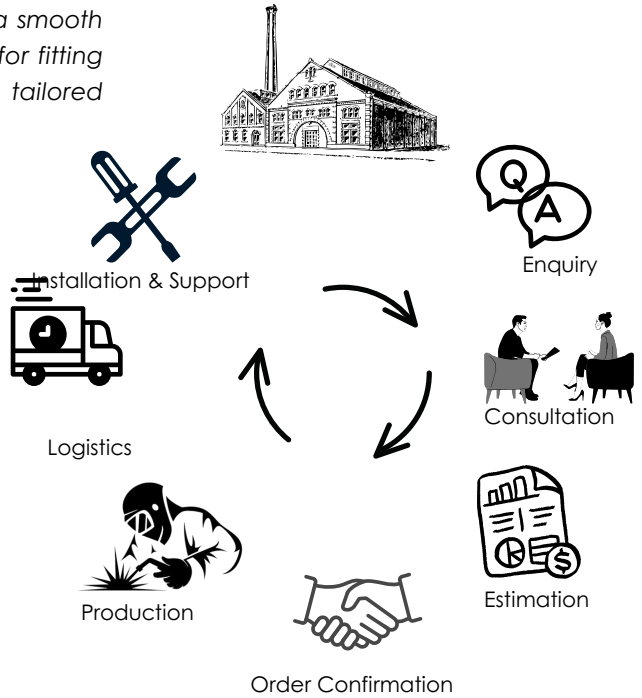
- System10 products maintain the highest quality of standards and artisanship. Every handrail system is meticulously designed to achieve a harmonious balance between safety and style, customised to suit diverse architectural needs.
- Each handrail solution seamlessly integrates form and function, tailored to individual preferences, creating a refined statement in any space.
- System10 glass handrail systems embody the perfect fusion of practicality and technical finesse. They are crafted to meet structural safety requirements while enhancing modern aesthetics and elevating design expression.
- System10 leads the industry with 10 years of experience in glass processing. We excel in glass artistry, recognising its pivotal role in contemporary architecture and interior design.
- Our expertise allows us to demonstrate the versatility and visual impact of glass, making it a defining element in today's architectural trends.

Customized Design and Installation Support.

System10 offers comprehensive support to architects, designers, and contractors in crafting bespoke glass handrail solutions. From initial consultation to installation guidance, we ensure each project meets both aesthetic goals and safety standards. Our focus on personalised service guarantees that each handrail system is a unique addition to the space it enhances.

From initial consultation to final installation, we ensure a smooth and stress-free process for fitting your shower enclosures, tailored to your space.

SEAMLESS ORDER PROCESS



*Terms and conditions apply

SYSTEM10.AE

EXCLUSIVE DESIGNS OF'

System10

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