



## Glass Fittings





# Introduction

Dear Customer,

Häfele has pioneered the way interior fittings are sold across the globe for almost a century now. Being a German company our foremost concern has always been to offer our customers products that are at the cutting edge of functionality and design; and backed by the highest standards in Customer Service. In our markets, we are increasingly being recognized as a one-stop interior specialist brand that can enable functionality for any interior design through a holistic solution offering, be it door hardware, furniture or kitchen fittings, sliding systems, built-in appliances, bathroom solutions, furniture lighting and interior surfaces.

For many years now, one of the core competencies of Häfele Worldwide has been the development of door hardware including an exclusive collection of solutions for Glass Applications. Be it sliding solutions, shower enclosures or regular glass doors, we have a vast range of products that can ably execute any kind of glass application. And so, I present to you our latest edition of the Häfele Glass Fitting's Catalogue. This catalogue includes all the products falling from this range presented to you with utmost detailing and a clear structure so that you can find the fitting you are looking for with ease and accuracy.

This catalogue offers you a focused interaction with our choicest glass solutions ranging from patch and point fittings, door control devices, sliding solutions, locks and accessories to the most updated collection of shower enclosure fittings. You will find a lot of new and exciting fittings in this edition - the majority of which are now available ex stock in our Logistics Centres across the Country. These are attractive, hard wearing and reliable products which will make your interior space look good and will perform their function well for many years to come - we guarantee it! As always, our motivation remains to provide you with the latest functionality trends that can inspire and enable even the most unimaginable glass applications.

Häfele India has grown beyond our wildest dreams with regional offices and design showrooms in all major metros in India. The company also has an established presence in Sri Lanka and Bangladesh by way of branch offices and Design Showrooms; and runs operations in other regions of South Asia like Bhutan, Nepal and Maldives. Our employee base has only multiplied in the last few years with a competent sales presence across South Asia. Through this, we reinstate our promise to reach our customers with our comprehensive range of products, competent workforce and strategically aligned services at every stage of any construction project.

So please enjoy this comprehensive guide for quality hardware fittings and let us have any recommendations in regard to products which you want us to add or any other improvements you would like to see in the services we provide.

As always the HÄFELE Team is looking forward to being at your service.

Jurgen Wolf  
Managing Director  
Häfele South Asia

# Hafele

## Reassuring Expertise



*"For almost 10 decades, we've been helping people make more of their homes.*

Established in Germany, and now operating worldwide, we specialise in the fittings, hardware and systems that improve the way your home works. So when you choose our products as part of your new or reformed home, you know you're getting the benefit of extensive knowledge and decades of experience.

And we're still a family business, owned and managed by family members who really care about the products and service we provide. You can rely on our commitment

to the highest standards of quality and reliability, founded on a long tradition of German engineering where attention to detail is second nature.

*All our home improvement ideas are built to last - day in, day out - we want you to get the very best from every corner of your home, for many years to come."*

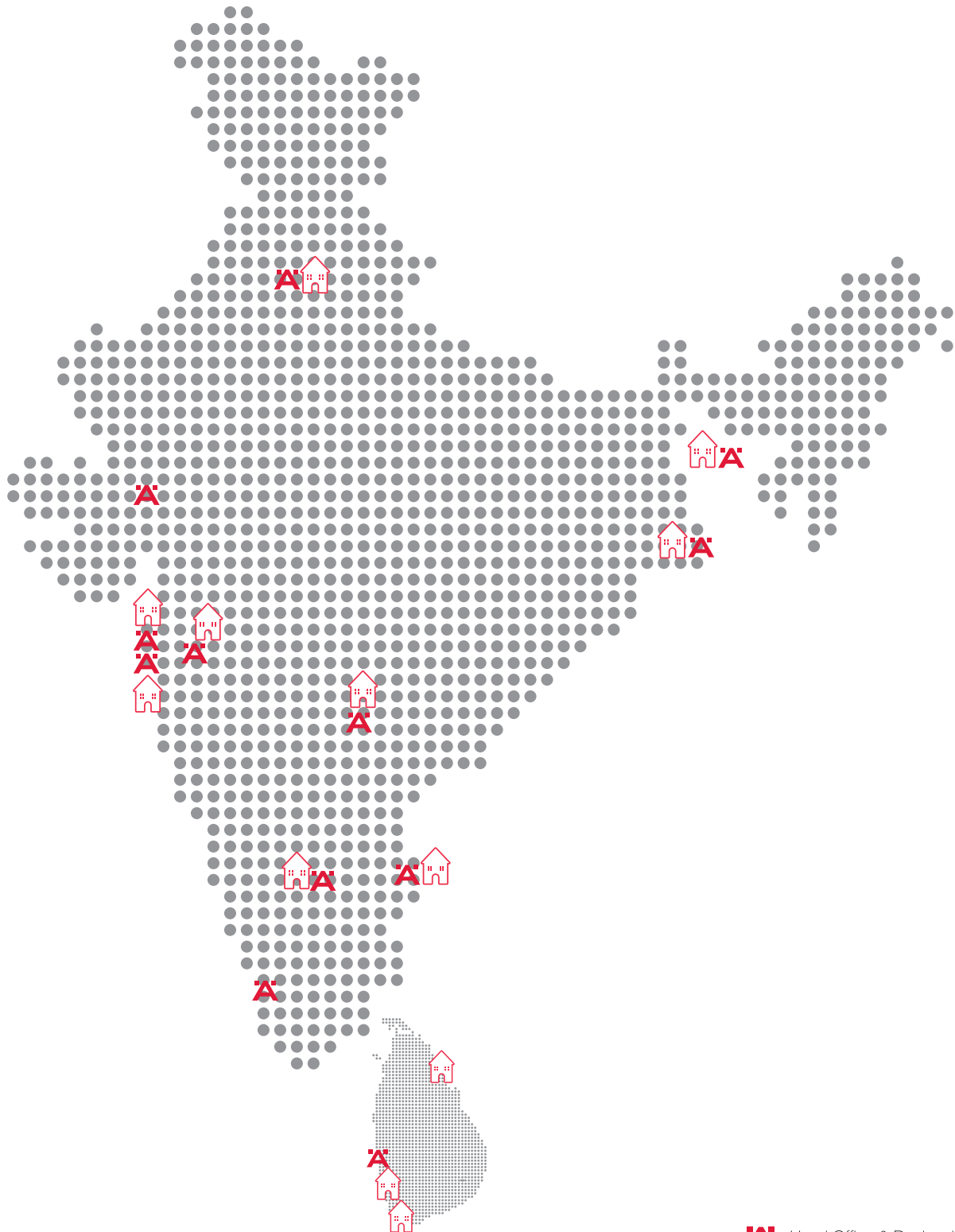
# Häfele Worldwide



With its origin in 1923 in a small town named 'Nagold' from the Swabian region of Germany that nurses a passion for hardware technology, it is no surprise that Häfele has lived up to its roots through a successful presence in the architectural and furniture hardware industry for over 9 decades now. Today, Häfele's worldwide penetration includes 38 subsidiaries across Europe, America, Asia, Australia and New Zealand. With these subsidiaries and numerous other sales organisations, Häfele operates in over 150 countries. The Häfele headquarters, 4 manufacturing units and 10 sales offices are located within Germany; while 1 manufacturing unit is located at Budapest, Hungary. The company also owns one of the largest and most sophisticated warehouses in its home country. The Häfele worldwide workforce is empowered by a base of over 8100 employees.

The group services over 150,000 customers across the globe through its extensive range of hardware products and a comprehensive logistics system. In addition to this, Häfele also provides consultative services to its customers, educating and advising them about buying the correct hardware as per their requirements. With this level of market penetration and ability to handle worldwide demand, it comes as no surprise that the company is an authority in the segment of home interior solutions; what is pleasantly surprising, though, is that in spite of its size, Häfele still remains a family owned and run business with a unique, friendly and value-centric work culture which is strongly followed among all its subsidiaries.

# Hafele India



 Head Office & Regional Offices

 Hafele Design Showrooms



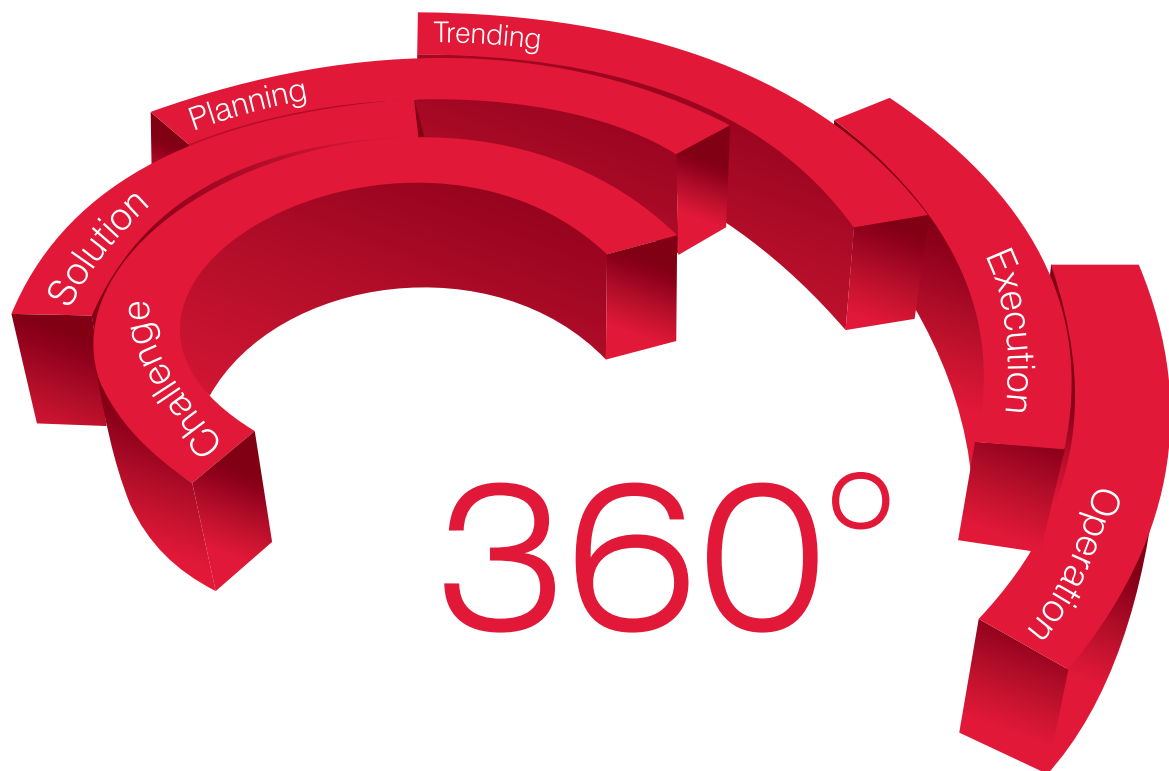
Häfele India is a wholly-owned subsidiary of the Häfele Global network and has been operating in India since 2003 under the leadership of Mr. Jürgen Wolf (Managing Director). The ability of the company to understand the diverse Indian market has made it an authority in the field of architectural hardware, furniture and kitchen fittings and accessories. The company also has a strong presence in synergized product categories namely Home Appliances, Furniture Lighting, Sanitary and Surfaces catering to the focused demand from these industries.

The subsidiary has a strong nation-wide presence with offices in Mumbai, Pune, Ahmedabad, Bangalore, Chennai, Hyderabad, Delhi, Kolkata and Cochin. It has full-scale operations in Sri Lanka and Bangladesh with Regional offices and Design Showrooms in both the countries; and has also spread its operations to other regions of South Asia including Nepal, Bhutan and Maldives.

Häfele's design showrooms are hubs of international home interior trends and cutting edge designs presented in a world-class environment, where customers can see home solutions in their inherent applications. These showrooms function as a one-stop-shop for all home interior and improvement needs - from providing in-depth technical advice to kitchen and wardrobe designing services through a team of experts stationed at the showroom.

Häfele India services its customers with a base of over 1300 employees, a well-networked Franchise base of over 130 shops along with over 1000 dealers situated across South Asia. The subsidiary has a sophisticated Logistics centre in Mumbai along with distribution centres in Delhi, Bangalore, Kolkata and Colombo respectively.

# 360° Project Services



Globally, Häfele has created a strong international position as a “360 degree Project Management Partner” with independent International Project Sales Offices deployed in the U.S. (North America), Germany (Europe) and Singapore (Asia). These Sales set-ups are constantly in touch with renowned Architects, Designers and Project Consultants from across the world and have the technical competencies to handle major International projects. We offer complete services to these projects from accurate product specifications and efficient sales to adept installation guidance and support. This allows us to walk the length of the entire project duration by aiding and supporting our customers at every stage.

This global technical competency along with an in-depth understanding of international market trends forms the basis of our holistic service approach in South Asia. We can execute the most abstract solutions in any interior space by integrating functionality with cutting-edge designs; and this proposition is ably backed by our unified service network to ensure continued support

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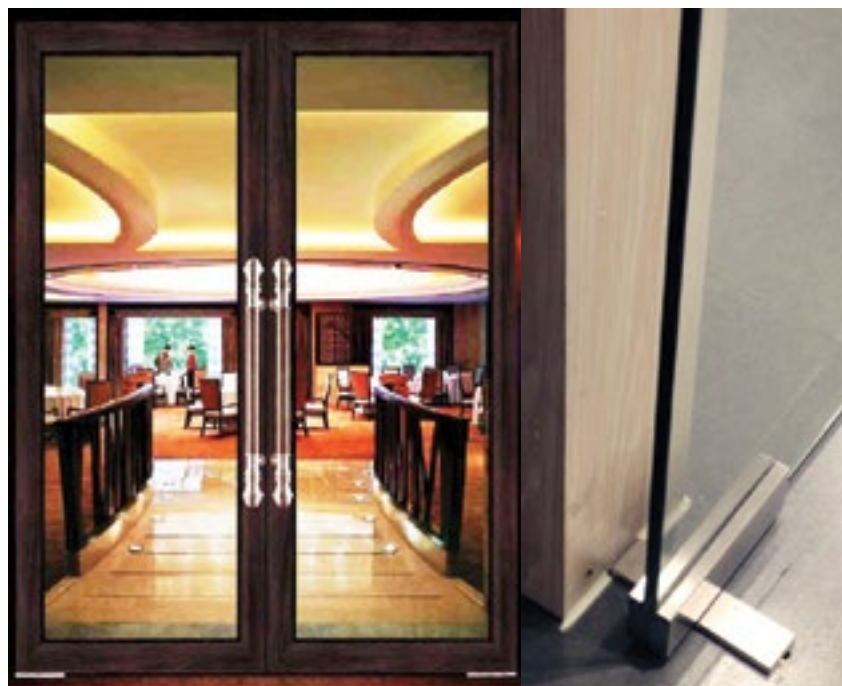
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# Door Control Devices



## Hydraulic Floor Hinge

For Wooden & Wooden Framed Doors & Glass Doors



Häfele introduces its range of Hydraulic Floor Hinges for Wooden, Wooden Framed and Glass Doors!

Häfele's range of hydraulic floor hinges function just like floor springs. The difference lies in their build. The hydraulic floor hinges are much more sleeker and compact as compared to floor springs thus ensuring minimalistic aesthetics. They are also extremely easy to install as they do not require any floor excavation.

These floor hinges come in feature-advanced designs for extreme reliability and are manufactured using high quality steel for exceptional durability. They provide a wide variety of functions and are tested for 500,000 cycles ensuring long operational performance.

### Features & Benefits

Features	Icons	Benefits
1. Quality (EN Standard 1154:1997)		The new range of hydraulic hinges is manufactured as per EN Standard 1154:1997 assuring a high level of quality in operation.
2. No Excavation Required		These floor hinges do not require any cavity in floor to install hence no digging or cutting of the floor is required, making the installation quick & easy.
3. Compact fitting		Häfele's new hydraulic hinges are smaller and lesser visible as compared to floor springs thus imparting a sleek and minimalistic look to the interiors.
4. Durability (tested to 500,000 cycles)		These fittings are tested as per the EN standard Grade 8 for 500,000 cycles.
5. Adjustments		Both the fittings from this range come with an adjustable closing speed.
6. Application		Häfele's range of hydraulic floor hinges can be installed on wooden, wooden framed and frameless glass doors.
7. Warranty		The new range comes with 3 years warranty against faulty manufacturing and operational defects.

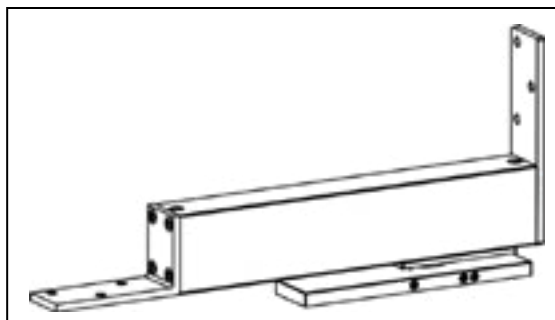
### Hydraulic Floor Hinge

For Wooden & Wooden Framed Doors



#### Features:

- Floor mounted by surface fixing (non-excavating)
- Maximum door leaf width: 1050mm
- Maximum door leaf weight: 100kg
- Suitable for door thicknesses of 40mm & more
- Material: Steel
- Finish: Enamel baked
- Dimension: 137 (H) × 325 (W) × 30 (D)mm
- Auto adjusts the door when it reaches to initial position
- Closing speed valve adjustable
- Tested to EN 1154
- **Tested for 500,000 cycles**



\*Note: Double Action Accessory 932.79.090 to be used with Wooden Hydraulic Floor Hinge

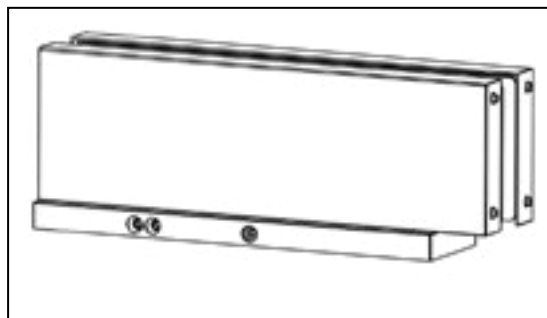
### Hydraulic Floor Hinge

For Frameless Glass Doors

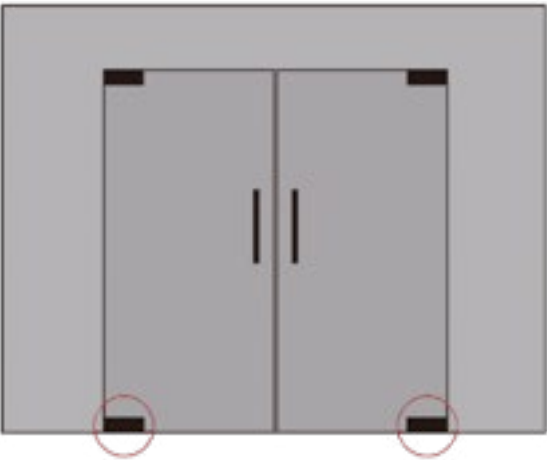


#### Features:

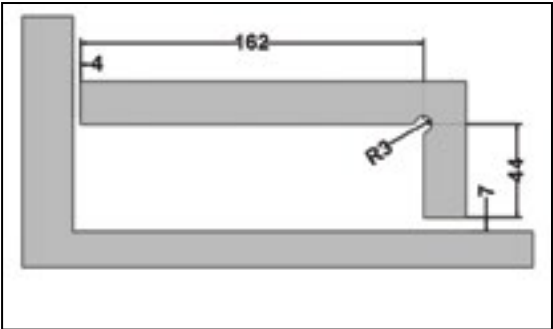
- Floor mounted by surface fixing (non-excavating)
- Maximum door leaf width: 1050mm
- Maximum door leaf weight: 100kg
- Suitable for tempered glass door thicknesses of 8 -13.5mm
- Cover Plate Material : Stainless Steel (grade 304)
- Finish: Stainless Steel Matt
- Dimension: 66 (H) × 173 (W) × 38 (D)mm
- Auto adjusts the door when it reaches to initial position
- Closing speed valve adjustable
- Tested to EN 1154
- **Tested for 500,000 cycles**



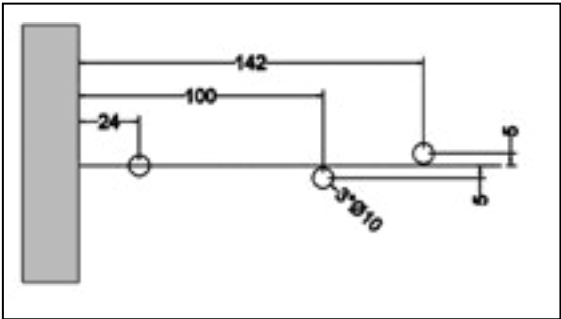
Hydraulic Floor Hinge: Assembly Details  
For Frameless Glass Doors



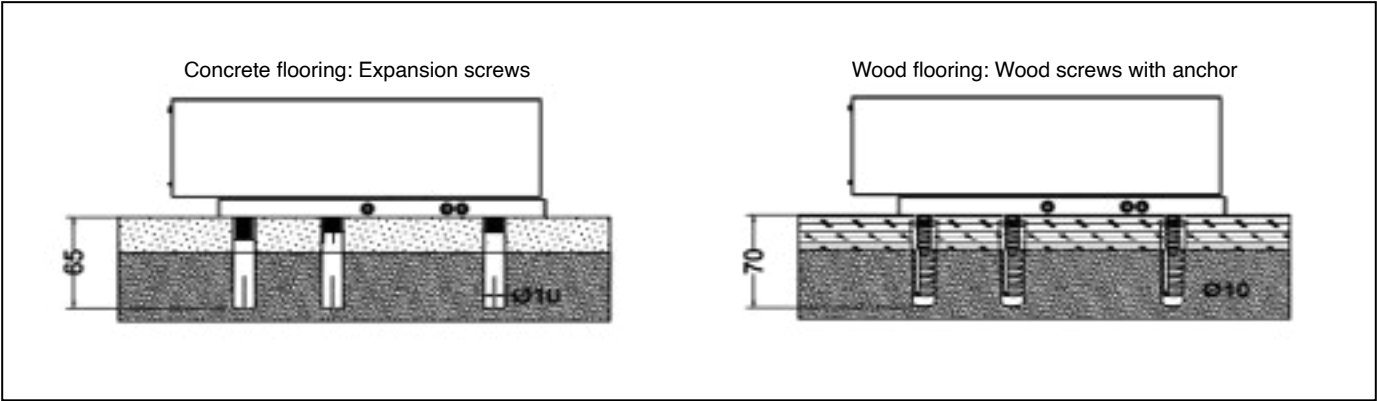
Cut out details



Drilling Positions on Ground



Please Note: The screws that fix the hydraulic floor hinges to the floor differ as per the kind of flooring



Description	Article No.
Hydraulic Floor Hinge for Wooden and Wooden Frame Doors	981.91.921
Hydraulic Floor Hinge for Frameless Glass Doors	981.91.920

## Floor Springs (Double Cylinder)

### FS 2100 Floor Spring with 90° Hold Open

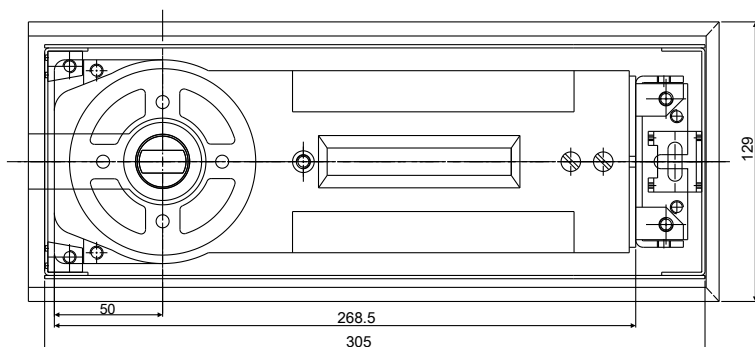
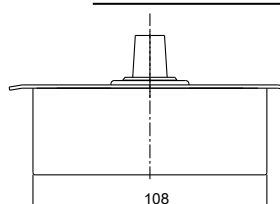
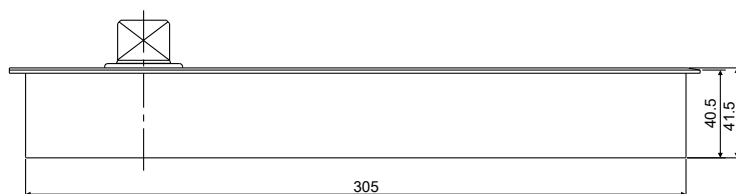


- Cover Plate in Satin Stainless Steel
- Finish: St. Steel Cover
- **Tested for 500,000 cycles**

Door Width (mm)	Door Weight (kg)	Size	Article No.
750-850	70	2	932.79.020
850-1000	90	3	932.79.030
1000-1200	120	4	932.79.040



Description	Article No.
Double action accessories for floor springs suitable for timber doors	932.79.090



#### Doorleaf positioning and adjustment of closing speed

1. Adjust screws 2 and 4 to keep the center of the ground-spring pivot in axial line with the center of the top-frame pivot.
2. Adjust screws 1 to allow the doorleaf stop at the intended position.
3. Adjust screws 3 to keep doorleaf parallel to the ground and the spring.
4. Turning the valves clockwise both section 1 closing speed and section 2 latching force decrease; turning the valves anti-clockwise both section 1 closing speed and section 2 latching force increase.

### 300kg Floor Spring with 90° Hold Open StarTec



- Cover Plate in Satin Stainless Steel
- **Tested for 500,000 cycles**
- Finish: St. Steel Cover

#### Technical Data:

- Maximum Door Weight 300kg (for size 5 & 6)
- Floor Spring Mechanism with cover

#### Supplied With:

- Double action accessories for wooden doors

Door Width (mm)	Door Weight (kg)	Size	Article No.
Max. 1400	300	5-6	932.79.170

## Single Action Floor Spring

Max. Weight Carrying Capacity: 90kg

Max. Door Width: 950mm

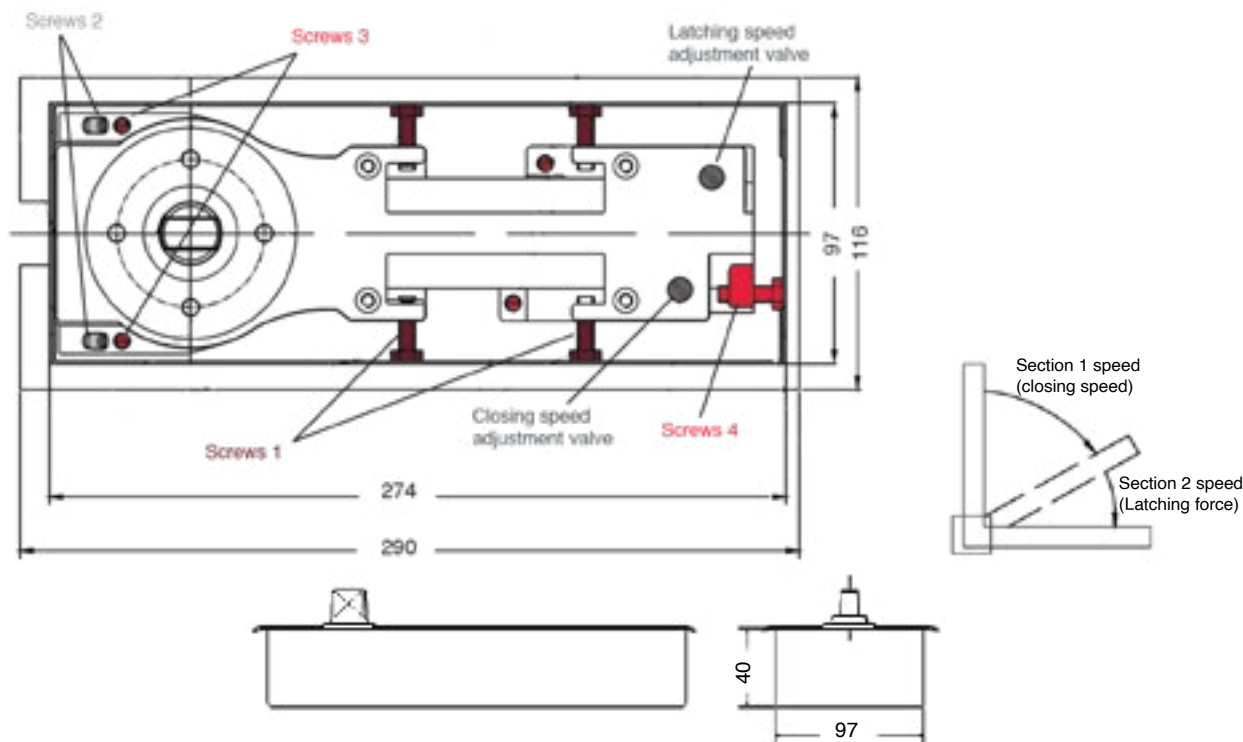
### Product Specification

- Closing Force Size: EN2 - EN3
- Cover Plate Material: Stainless Steel Grade 304
- Cover Plate Finish: Satin Stainless Steel (Matt)
- Hold Open: 90°
- Maximum Opening Angle: 120°
- **Durability Test: 500,000**



Door Weight (kg)	Door Width (mm)	Size	Article No.
90	Max. 950	2-3	932.79.260

### Adjustments

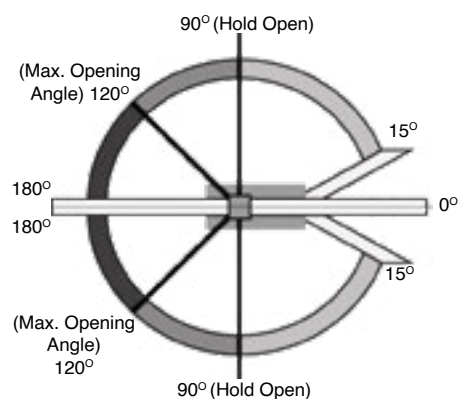


### Door leaf positioning and adjustment of closing speed

- Adjust screws 2, 3 & 4 to align the door parallel to the ground and to the top frame pivot
- Adjust screws 1 to allow the door leaf to stop at the intended position
- Both closing speed and latching speed decrease when the valves are turned clockwise whereas when the valves are turned anti-clockwise, both closing speed and latching speed increase

### Functioning

- Opening: Single Action Door (Opens in both direction)
- Hold Open: 90°
- Maximum Opening Angle: 120°
- Closing Speed: From 120° to 15°
- Latching Speed: 15° to 0°



## Double Action Floor Spring

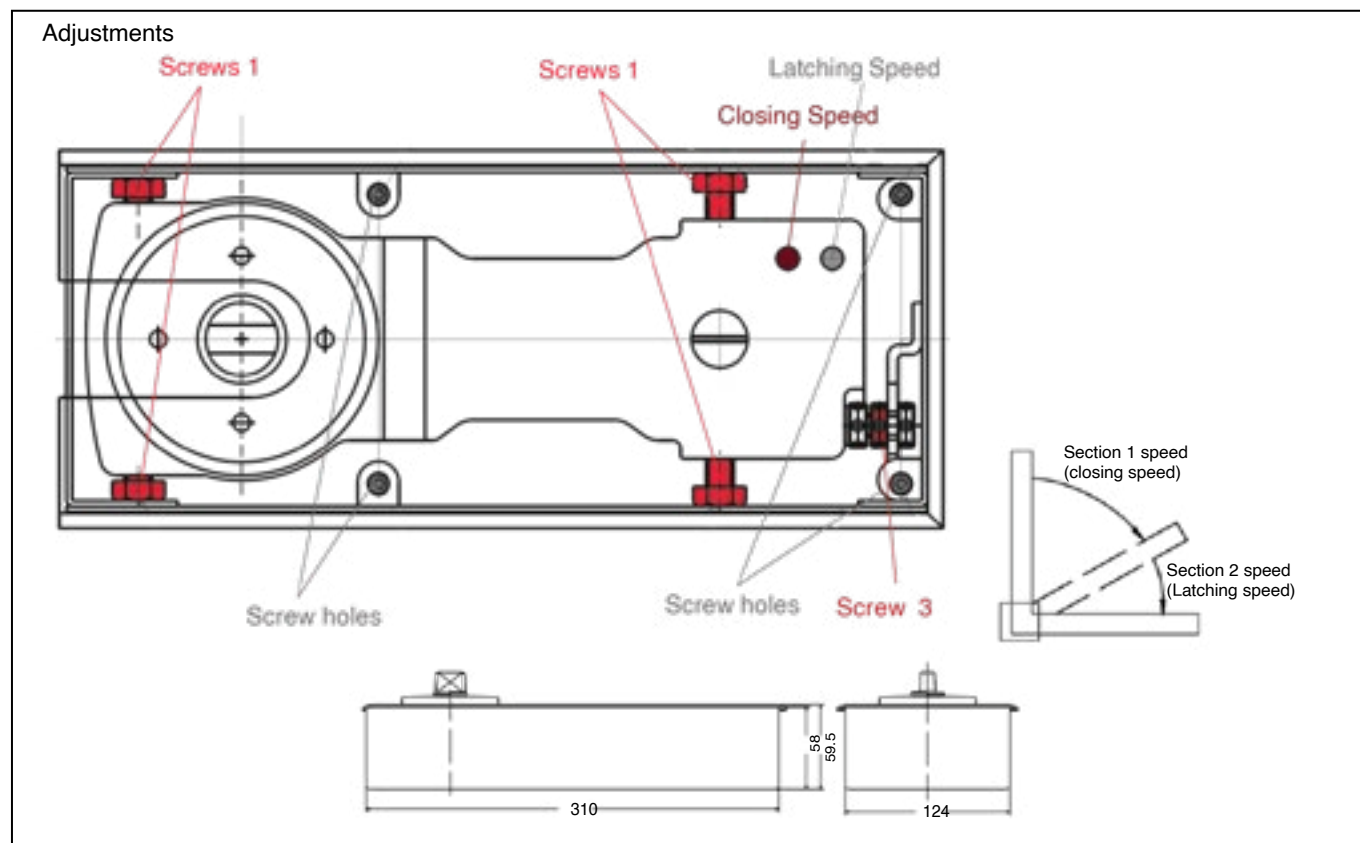
Max. Weight Carrying Capacity: 185 kg

Max. Door Width: 1250mm

### Product Specification

- Closing Force Size: EN2 - EN3
- Cover Plate Material: Stainless Steel Grade 304
- Cover Plate Finish: Satin Stainless Steel (Matt)
- Hold Open: 90°
- Maximum Opening Angle: 120°
- **Durability Test: 500,000**

Door Weight (kg)	Door Width (mm)	Size	Article No.
185	Max. 1250	2-3	932.79.270



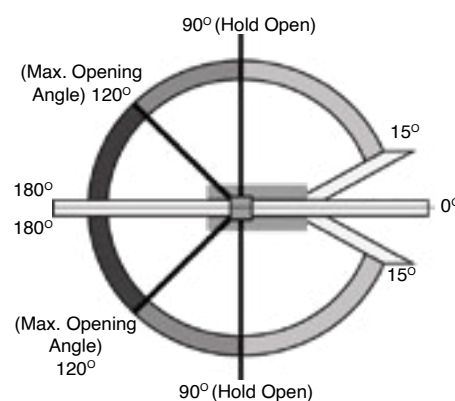
### Adjustments

#### Door leaf positioning and adjustment of closing speed

- Adjust screws 2, 3 & 4 to align the door parallel to the ground and to the top frame pivot
- Adjust screws 1 to allow the door leaf to stop at the intended position
- Both closing speed and latching speed decrease when the valves are turned clockwise whereas when the valves are turned anti - clockwise, both closing speed and latching speed increase

### Functioning

- Opening: Double Action Door (Opens in both direction)
- Hold Open: 90°
- Maximum Opening Angle: 120°
- Latching Speed: 15° to 0°
- Closing Speed: From 120° to 15°



FS 6100 Heavy Duty Floor Spring (for 600 kg)

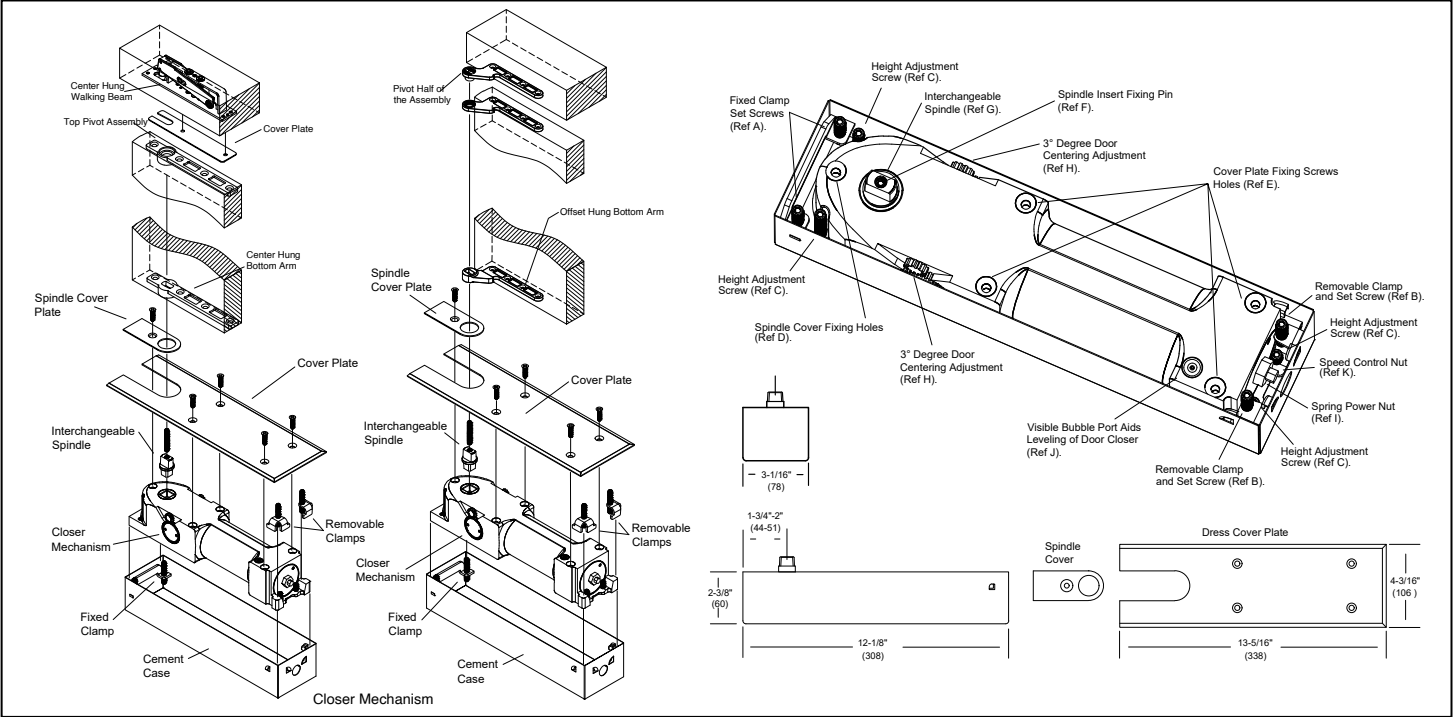
Special Features:

- Cam & Roller Mechanism
- Unique guidance system ensures doors always return to centre position in double action.
- High Efficiency
- Easy operation and good holding forces
- Suitable for doors upto 400 kg (Sinlge Action) and 600 kg (Double Action)
- Consisting of all accessories

Construction:

- Cast iron body for heavy duty performance
- Stainless Steel & Steel precision manufactured internal components

Finish	Door Width	Door Weight	Article No.
St. Steel Cover with hold phone	1200 - 1400mm	600 kg	932.86.031



Single Action Accessory



- Suitable for Floor Springs
- Door weight upto 120kg
- Includes cover cap

Article No.
932.79.189

SS Door Coordinator



Features

- In connections with door closer
- For double-leaf doors
- Ensures the correct closing sequence of both doors
- Suitable for DIN left & DIN right hand
- Fixing: Visible in the lintel of the door

Finish	Article No.
SS Matt	931.99.900



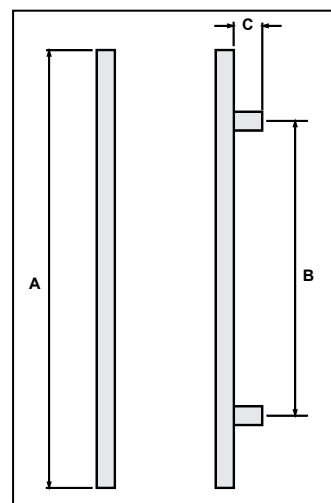
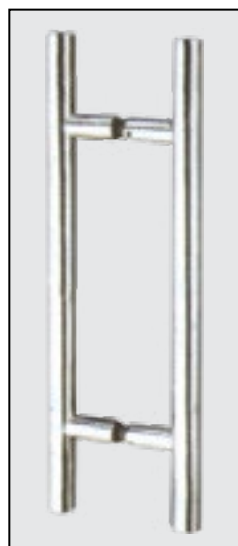
# Pull & Flush Handles

**H Pull handle back to back fixing****Features**

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50mm
- Glass cut out for fix bolt Ø13mm

**Supplied with**

- 1 Set pull handles
- 1 Set screws for glass+wooden door



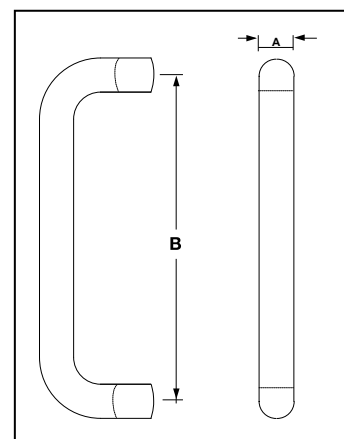
Finish	Diameter Ø	Overall Height (A)	Center to Center (B)	Article No.
Stainless Steel Matt	25 mm	300 mm	220 mm	903.11.450
Stainless Steel Matt	25 mm	450 mm	305 mm	903.11.451
Stainless Steel Matt	25 mm	600 mm	450 mm	903.11.452
Stainless Steel Matt + Stainless Steel Polished	25 mm	300 mm	220 mm	903.11.460
Stainless Steel Matt + Stainless Steel Polished	25 mm	450 mm	305 mm	903.11.461
Stainless Steel Matt + Stainless Steel Polished	25 mm	600 mm	450 mm	903.11.462
Stainless Steel Matt	32 mm	450 mm	305 mm	903.11.491

**D Pull handle back to back fixing****Features**

- For glass, aluminium or timber door with back to back fixings
- Screw M8
- For door thickness: 8–50mm
- Glass cut out for fix bolt Ø13mm

**Supplied with**

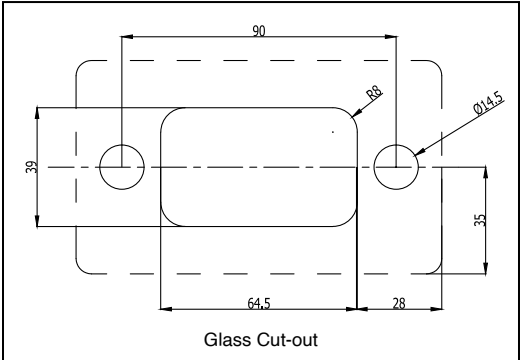
- 1 Set pull handles
- 1 Set screws for glass+wooden door



Finish	Diameter Ø	Overall Height (A)	Center to Center (B)	Article No.
Stainless Steel Matt	25 mm	325 mm	300 mm	903.11.470
Stainless Steel Matt	25 mm	475 mm	450 mm	903.11.471
Stainless Steel Matt	25 mm	625 mm	600 mm	903.11.472
Stainless Steel Matt + Stainless Steel Polished	25 mm	325 mm	300 mm	903.11.480
Stainless Steel Matt + Stainless Steel Polished	25 mm	475 mm	450 mm	903.11.481

Flush Handles for Sliding Glass Doors

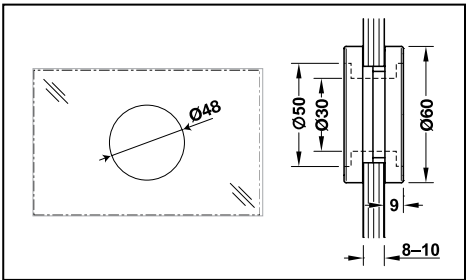
Base Material: Stainless Steel 304  
Suitable for 10 or 12mm Glass



Finish	Article No.
SS Matt	981.20.140
SS Polished	981.20.141

Features

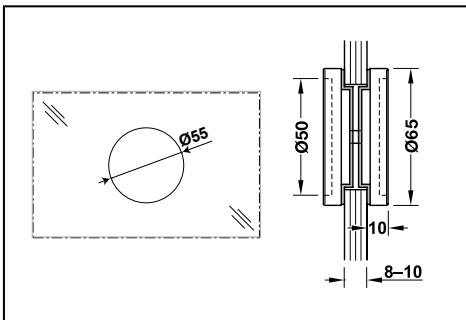
- Area of application: For glass thickness 8-10mm
- Drill hole Ø: 48mm
- Installation: For clamp fixing



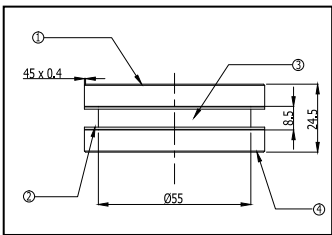
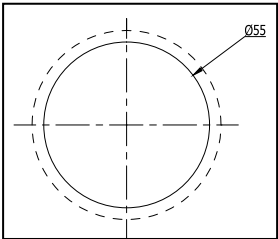
Finish	Article No.
SS Polished	981.52.521
SS Matt	981.52.520

Features

- Area of application: For glass thickness 8-10mm
- Drill hole Ø: 55mm
- Installation: For clamp fixing



Finish	Article No.
SS Matt	981.20.102



Finish	Application	Article No.
SS Matt	For 8mm glass	981.20.110
SS Matt	For 10/12mm glass	981.20.112



# Patch Fittings

**Häfele bottom patch fitting for double action doors - SSS StarTec**

**Features**

- For glass thickness 10-12mm
- Suitable for DIN left hand and DIN right hand
- For double action doors

**Technical data**

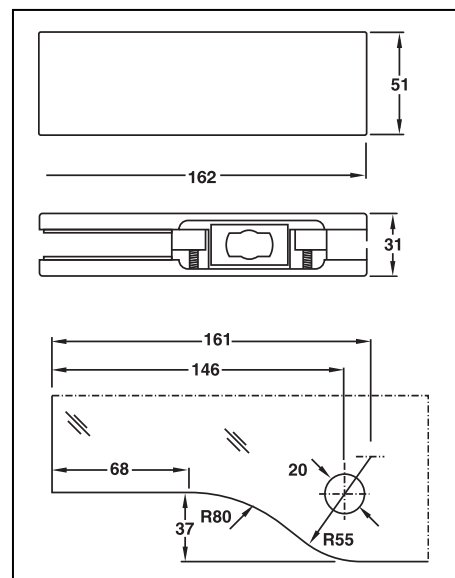
- Max. door weight: 100kg
- Max. door leaf width: 1,200mm

**Installation**

- Clamp fixing, concealed, with hexagon socket screws
- For mounting the glass door, a door spring must be ordered separately

**Supplied with**

- 1 Bottom patch fitting for double action doors
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm



Finish	Article No.
Aluminium	981.50.010

**Häfele top patch fitting for double action doors - SSS StarTec**

**Features**

- For glass thickness 10-12mm
- Suitable for DIN left hand and DIN right hand
- For double action doors

**Technical data**

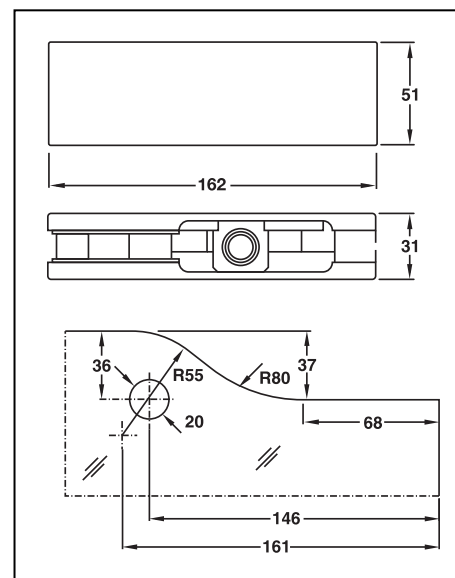
- Max. door weight: 100kg
- Max. door leaf width: 1,200mm

**Installation**

- Clamp fixing, concealed, with hexagon socket screws

**Supplied with**

- 1 Top patch fitting for double action doors
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm



Finish	Article No.
Aluminium	981.50.020

## Häfele pivot patch fitting for wall fixing - SSS StarTec

**Features**

- Counter bearing for top patch fitting
- For glass thickness 10-12mm
- Suitable for DIN left hand and DIN right hand

**Technical data**

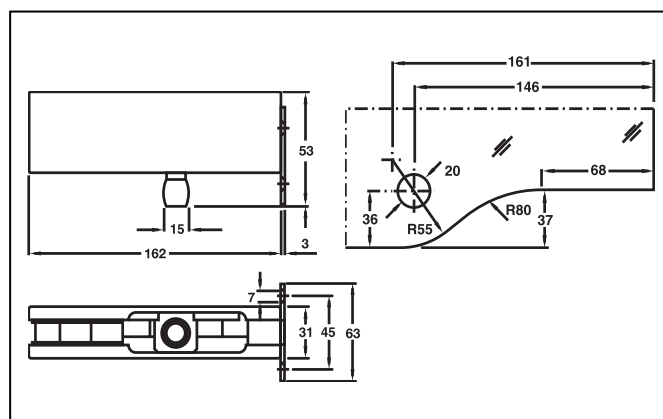
- Pivot laterally adjustable  $\pm 3\text{mm}$

**Installation**

- Clamp fixing, concealed, with hexagon socket screws

**Supplied with**

- 1 Fanlight pivot patch fitting with wall fixing plate
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm Fixing material



Finish	Article No.
Aluminium	981.50.050

## Häfele slide panel patch fitting - SSS StarTec

**Features**

- Counter bearing for top patch fitting
- For glass thickness 10-12mm
- Suitable for DIN left hand and DIN right hand

**Technical data**

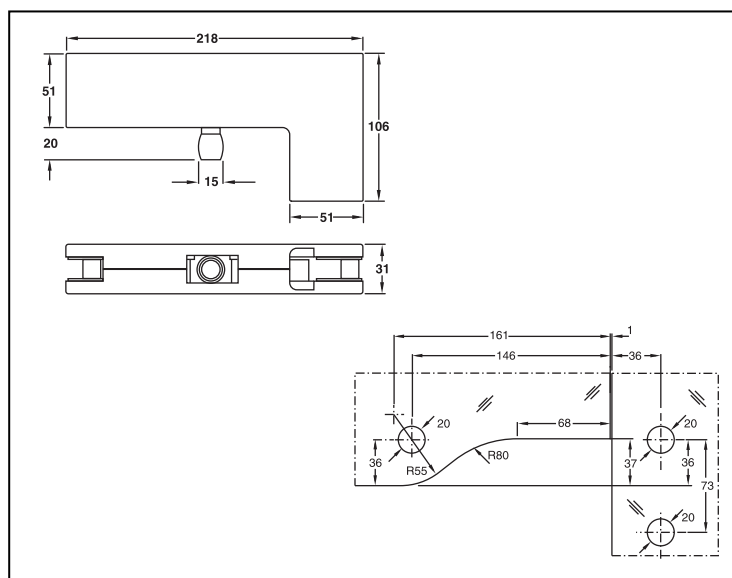
- Pivot laterally adjustable  $\pm 3\text{mm}$

**Installation**

- Clamp fixing, concealed, with hexagon socket screws

**Supplied with**

- 1 Fanlight/side panel pivot patch fitting
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm



Finish	Article No.
Aluminium	981.50.040

## Häfele corner patch lock with profile and cylinder - StarTec



### Features

- For glass thickness 10–12mm
- Suitable for DIN left hand and DIN right hand
- For profile cylinders
- Bolt 1-turn

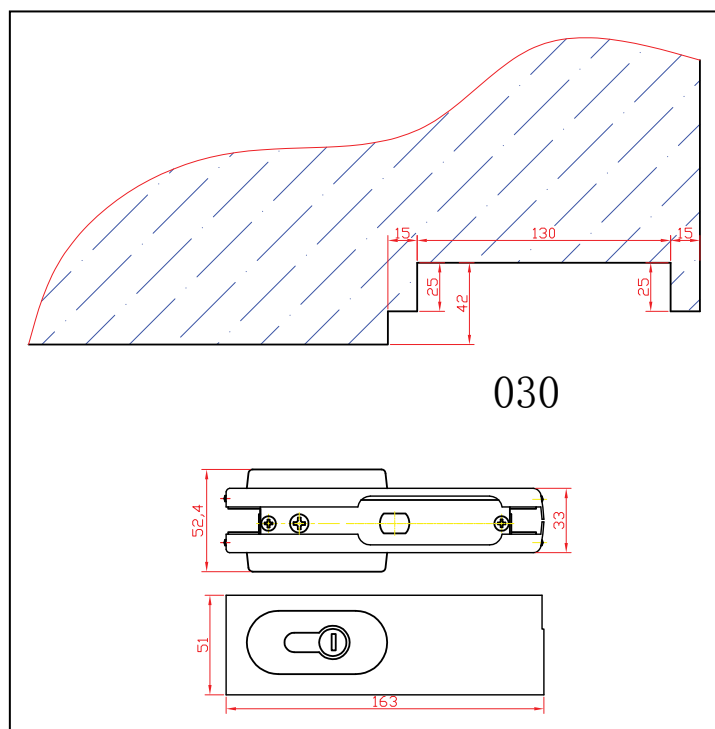
### Installation

- Clamp fixing, concealed, with hexagon socket screws

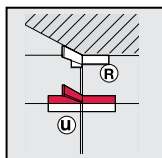
### Supplied with

- 1 Corner patch lock with profile aperture
- 2 Allen keys SW 2 and 5
- 1 Striking plate with fixing material
- 1 Fixing screw for profile cylinder
- 1 Additional gasket for glass thickness 10mm

Finish	Article No.
SS Matt	981.50.030



## Fin panel double pivot patch fitting - StarTec



### Features

- Counter bearing for top patch fitting
- For glass thickness 10-12mm

### Technical data

- Pivot laterally adjustable  $\pm 3$ mm

### Installation

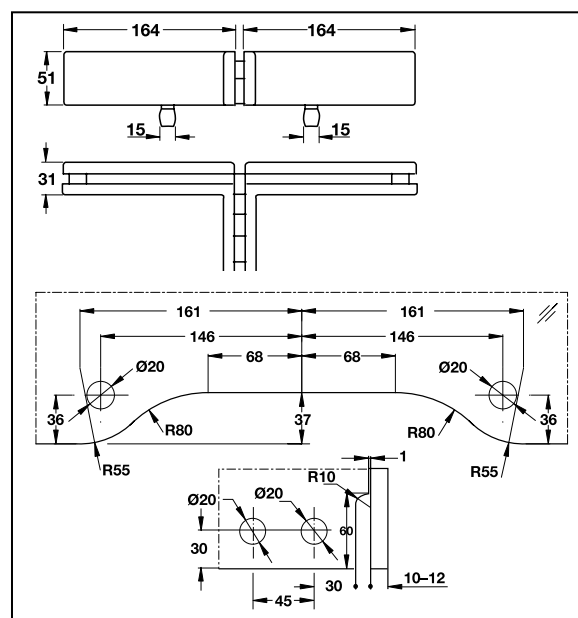
- Clamp fixing, concealed, with hexagon socket screws

### Supplied with

- 1 Fanlight/fin panel double pivot patch fitting
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm

Finish	Article No.
SS Matt	981.00.150*

\* Special Order



## Fin panel pivot patch fitting - StarTec



\* Image Left Handed

**Features**

- Counter bearing for top patch fitting
- For glass thickness 10-12mm

**Technical data**

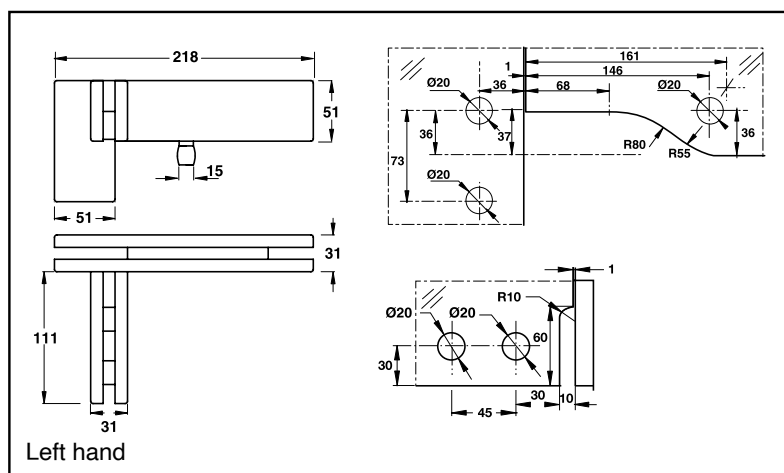
- Pivot laterally adjustable  $\pm 3\text{mm}$

**Installation**

- Clamp fixing, concealed, with hexagon socket screws

**Supplied with**

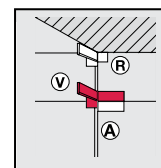
- 1 Fanlight/side/fin panel pivot patch fitting
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm



Left hand

Material/Finish	Article No.
SS Matt	981.00.050*

\* Special Order



## Fin panel pivot patch fitting - StarTec



\* Image Right Handed

**Features**

- Counter bearing for top patch fitting
- For glass thickness 10-12mm

**Technical data**

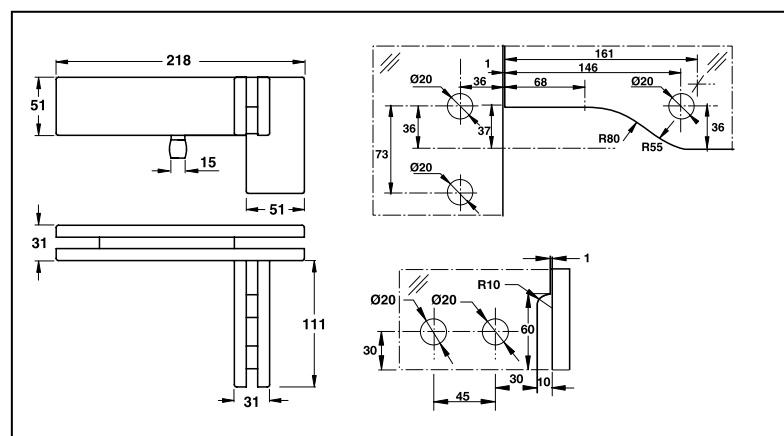
- Pivot laterally adjustable  $\pm 3\text{mm}$

**Installation**

- Clamp fixing, concealed, with hexagon socket screws

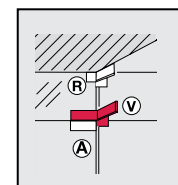
**Supplied with**

- 1 Fanlight/side/fin panel pivot patch fitting
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm



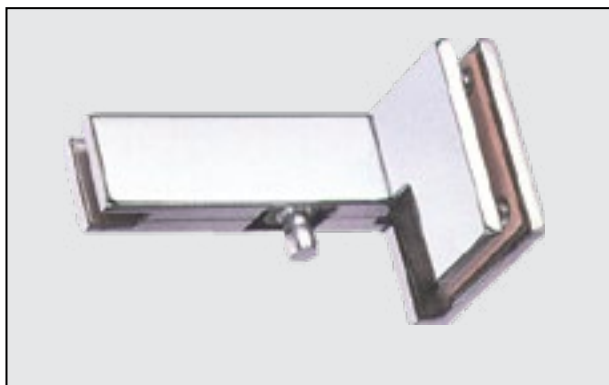
Material/Finish	Article No.
SS Matt	981.00.040*

\* Special Order



### Fin panel pivot patch fitting - StarTec

Top pivot for doors with fixed glass panel on top & 90°.  
Connector inside for 10 or 12mm glass

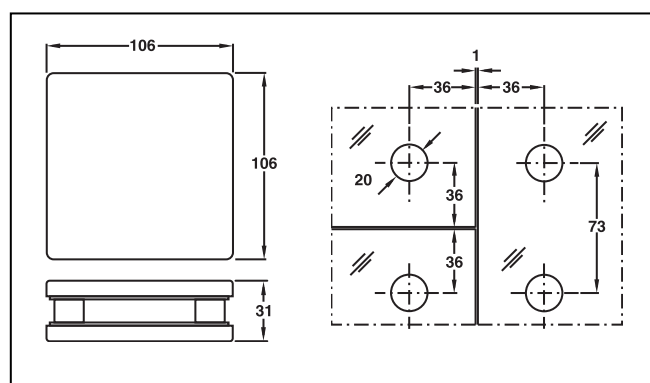


\* Image Right Handed

Finish	Handling	Article No.
SS Matt	Left	981.07.080*
SS Matt	Right	981.07.090*

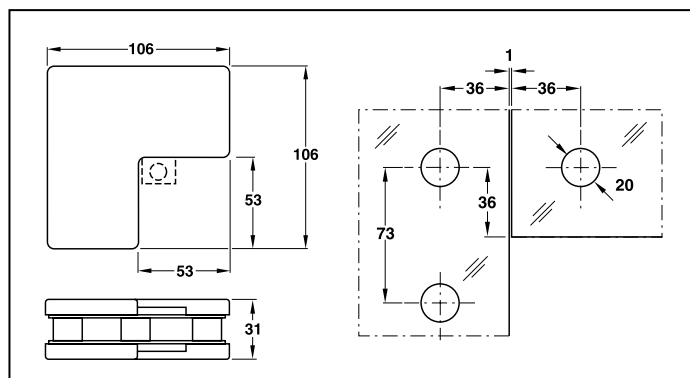
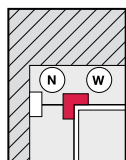
\* Special Order

### Top Patch for Connecting 2 or 4 Glass Panels for 10 or 12mm Glass



Finish	Article No.
SS Matt	981.00.120

### Top Patch for fixed glass panel on top & slide for 10-12mm Glass, SS matt



Material/finish	Article No.
SS Matt (304)	981.00.060

#### Features

- For glass thickness 10-12mm
- Optional with door buffer
- Suitable for DIN left hand and DIN right hand

#### Installation

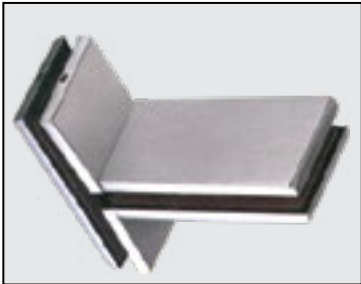
- Clamp fixing, concealed, with hexagon socket screws

#### Supplied with

- 1 Fanlight/side panel connection patch fitting
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm
- 1 Insert door buffer
- 2 Blind insert profiles

Over Panel Connector with Fin Fittings

Connect for 10 or 12mm glass

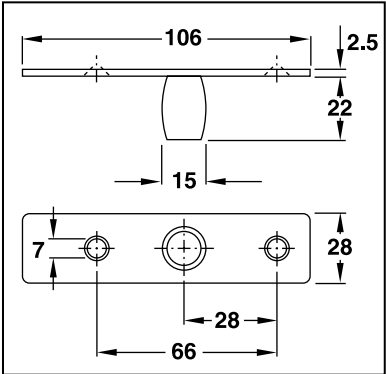
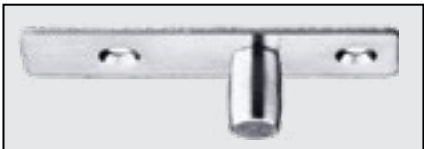


Finish	Article No.
SS Matt	981.07.130*

\* Special Order

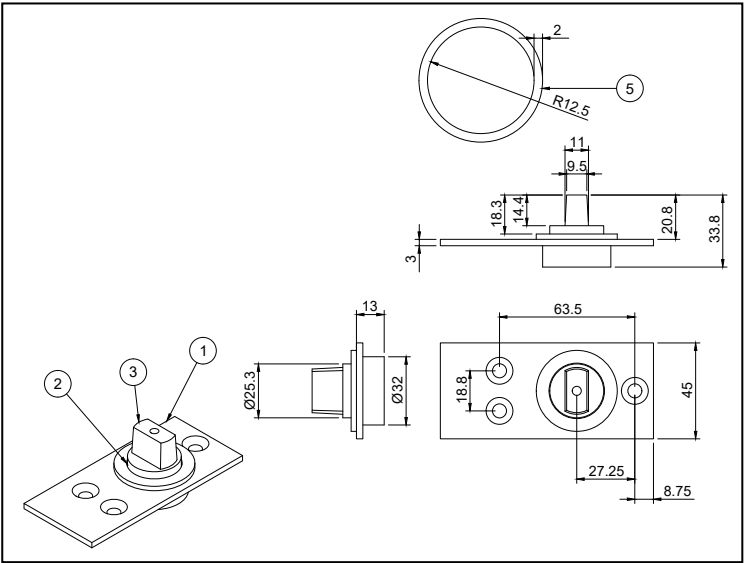
Top Pivot with Stainless Steel Plate for Glass Doors

with Wooden Fixed Panel on Top - StarTec



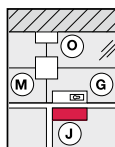
Finish	Article No.
SS Matt	981.07.280

Floor Pivot with Bearing



Finish	Article No.
SS Matt	932.77.090

### Over panel strike patch for corner lock - StarTec



#### Features

- For glass thickness 10–12mm
- Suitable for DIN left hand and DIN right hand

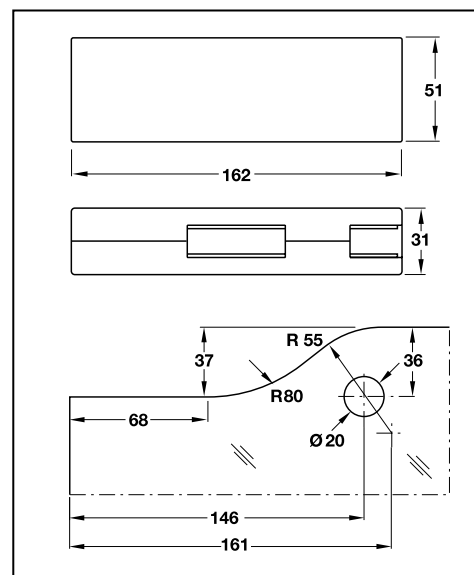
#### Installation

- Clamp fixing, concealed, with hexagon socket screws

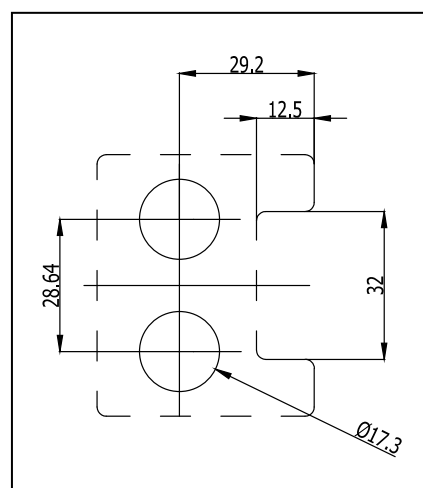
#### Supplied with

- 1 Over panel strike patch for centre lock
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm

Finish	Article No.
SS Matt (304)	981.00.470

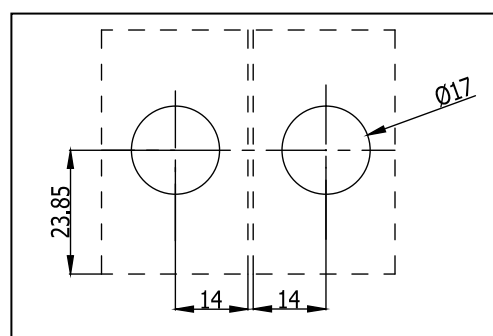


### Side Connector for Holding Fixed Panels or Support Fin Bracket for 10 or 12mm Glass



Finish	Article No.
SS Matt	981.07.160

### Glass Clamp for Joining Over Panels & Side Panels to reduce Flexing for 10 or 12mm Glass

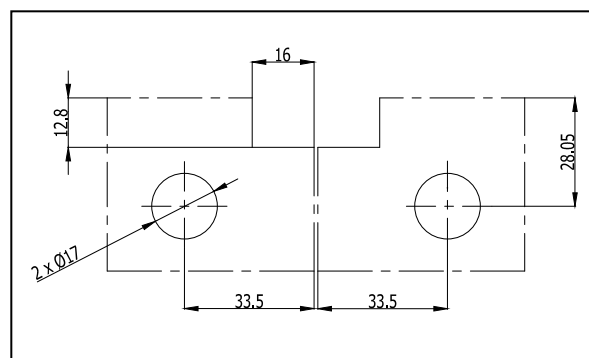


Finish	Article No.
SS Matt	981.07.170

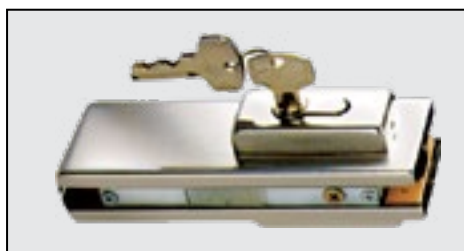
### Side Connector for holding Fixed Panels or Support Fin Bracket for 10 or 12mm Glass



Finish	Article No.
SS Matt	981.07.180

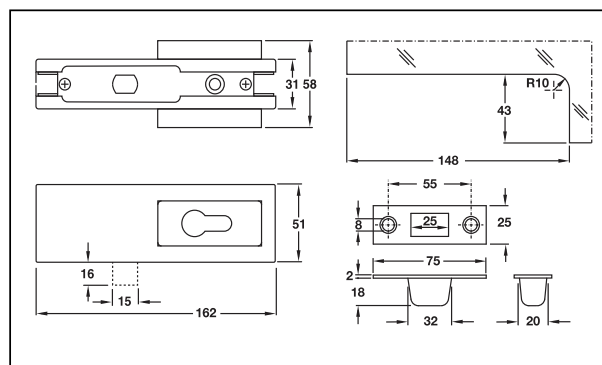


### Häfele centre patch lock with cylinder - SSS StarTec

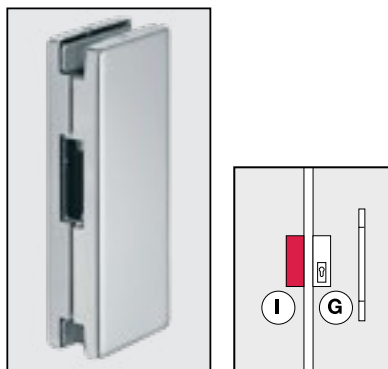


- Centre Patch Lock for 10 or 12mm glass

Finish	Article No.
SS Matt	981.00.490



### Centre strike patch for centre lock - StarTec



#### Features

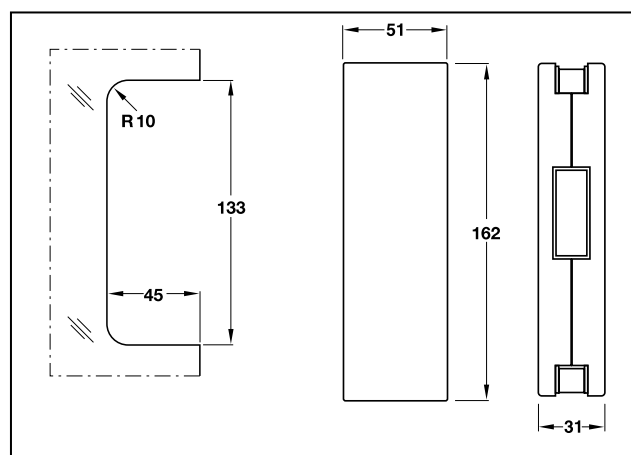
- For glass thickness 10-12mm
- Suitable for DIN left hand and DIN right hand

#### Installation

- Clamp fixing, concealed, with hexagon socket screws

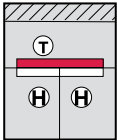
#### Supplied with

- 1 Centre strike patch for centre lock
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm



Finish	Article No.
SS Matt (304)	981.00.420

Double strike patch for corner lock - StarTec



Features

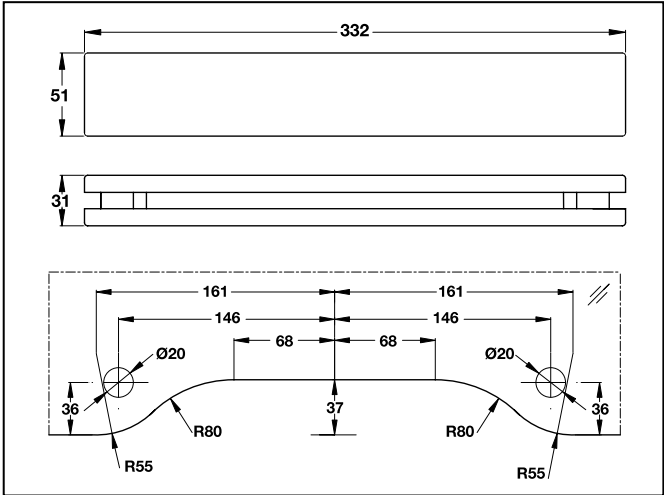
- For glass thickness 10-12mm

Installation

- Clamp fixing, concealed, with hexagon socket screws

Supplied with

- 1 Fanlight double strike patch for corner lock
- 2 Allen keys SW 2 and 5
- 1 Additional gasket for glass thickness 10mm



Finish	Article No.
SS Matt (304)	981.00.160*

\* Special Order



# Twin Pro Glazing System

## Twin Pro &amp; 'U' Pro

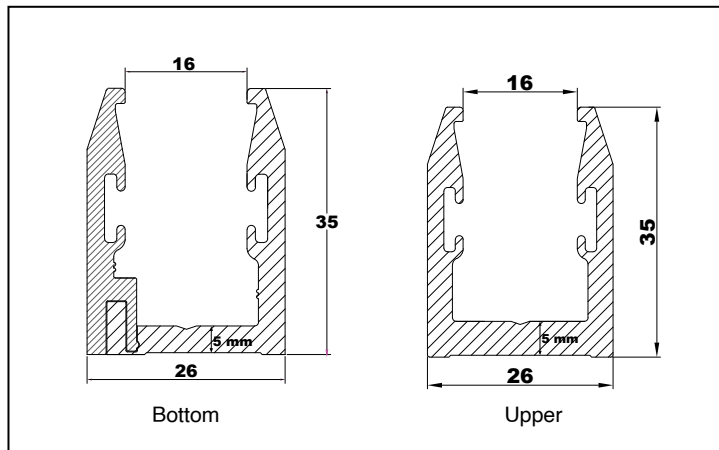
## Interlocking Glazing System



Häfele's Twin Pro & 'U' Pro come with unique profile designs that help in creating an ideal balance between acoustics and aesthetics, particularly with respect to the interior architecture of offices and conference rooms, shops and agencies.

Ideal for 8, 10 and 12mm glass thickness, Häfele's new interlocking glazing systems offer a variety of design possibilities enabled by easy installation (no glue or silicon required). Both, 'U' Pro and Twin Pro, boast of superior holding power to the structure and for glass and do not shift and fall out of position. The standard and locking gaskets of the profiles are ideal for outdoor application as they have an excellent resistance to severe weather conditions, acids and alkalis. These gaskets combined with the contoured design of the interlocking profiles makes exterior removal of glass impossible.

## Technical Specifications



## Features:

- Unique contoured profile design with self lock
- Material: Aluminium (for profiles), rubber (for gaskets)
- Finish: Silver anodized
- For glass thickness: 8mm, 10mm, 12mm
- Profile length: 3080mm
- The EDPM gaskets provide extreme resistance against severe weather conditions, acids and alkalis
- Slim & attractive design that adds sophistication to the overall aesthetics
- Excellent acoustic performance to prevent unwanted sound infiltration
- Hassle-free installation

## Applications:

- Interior glass partitions
- Shop fronts with maximum visibility and security
- Fixed windows
- Partitions that need relocation and frequent assembly and dismantling

### Components



'U' Pro



Twin Pro



Standard gasket



Locking gasket



Screw &amp; Plug

### Fixing Details

1. Drill counter sunk holes on to the bottom male profile or to the base of the upper profile

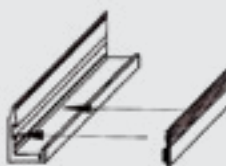


Drilling

2. Fix it to the floor or ceiling



3. Insert the standard gasket for profiles



4. Hold the glass in place



5. Slide in the female locking side profile and lock the fixed glass with the locking gasket.

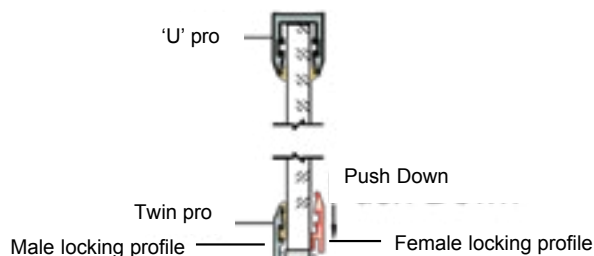


#### NOTE :

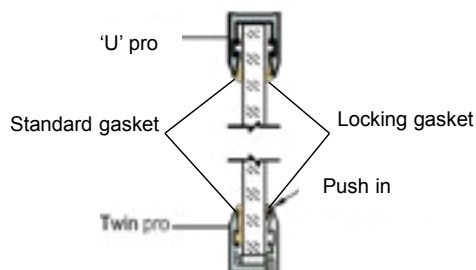
- While fixing the profile to the floor, the screw head must be flush or completely sunk as shown here
- A level wall/substructure is a necessity for an assembly without problems



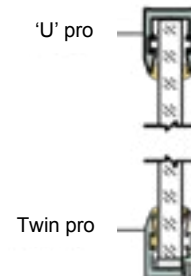
### Installation



Step 1: Place the glass and push down the female locking side profile



Step 2: Push in the standard and locking gaskets for the profiles



Step 3: Installation is complete

Finish	UOM	Article No.
Upper profile ('U' Pro), length = 3080mm	Pc	950.51.000
Side & bottom locking profile (Twin Pro), length = 3080mm	Pc	950.51.001
Standard gasket for profiles	Metre	950.51.006
Locking gasket for profile, 8mm glass	Metre	950.51.003
Locking gasket for profile, 10mm glass	Metre	950.51.004
Locking gasket for profile, 12mm glass	Metre	950.51.005

#### NOTE :

- Both, the standard and locking gaskets come in metre lengths and have to be proportionately ordered as per the profile length and quantity
- Screws and plugs for connection are not part of the order, please use suitable anchor system according to foundation



Retrofit- Glass Partition Clamps

Approachability and a certain sense of 'human connect' in work spaces, whether among the employees or when facing the customer has always been essential. While the importance of this element may never cease to exist, what has become even more crucial in the current situation, is the safety and hygiene of our employees and customers.

To this effect, Häfele introduces its retrofit glass partition solution which as the name suggests are glass partition clamps that can be installed on existing desks and tables without the need of

making any unsightly permanent alterations like drilling out holes or grooves. It can be clamped and fixed onto tabletops made of any material like wood, marble, quartz stones and even glass, with a thickness of up to 45 mm. The transparency of the glass partition provides adequate means to maintain connect within teams or with customers and at the same time restricts direct contact ensuring preventive safety. Whenever not required these clamps can be removed just as easily as they were mounted without them affecting the aesthetics of the original desk/table.

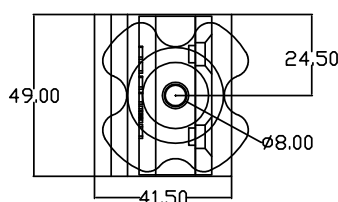
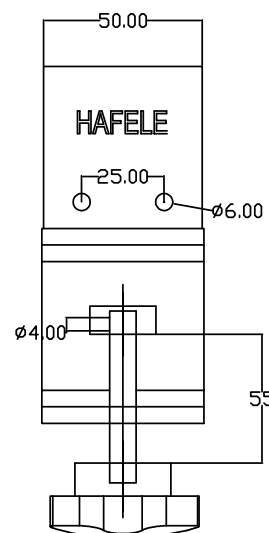
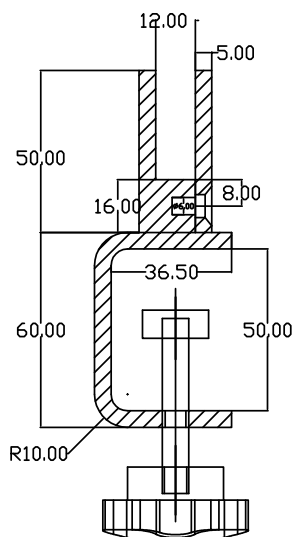
## Product Specifications

Material:	Stainless Steel Grade 304
Finish:	Stainless Steel Polish
Application:	Suitable for installation on any tabletop material like wood, marble, quartz stone, glass etc.
Weight carrying capacity:	30 kg. / pair *
Rotatable:	Yes (clamp head), by 90°
For glass partition thickness :	8 and 10 mm
Maximum glass partition height:	762 mm (2.5 feet)
For tabletop thickness:	5 (min.) - 45 (max.) mm
Testing:	Salt spray (100 hours)
Kit includes:	1 x Clamp, 4 x Rubber Gaskets (Thickness: 1 mm)

Finish	Article No.
SS Matt	981.55.050

\* Kindly ensure that the tabletop is sturdy enough to bear the overall weight of the glass partition assembly. Additional clamps should be installed if the glass partition weight exceeds 30 Kg.

## Technical Specifications





# Shower Enclosure Fittings



### Hydraulic Shower Cubicle Hinge Set

Self closing hinges with adjustable closing speed & soft close

Häfele's Hydraulic shower hinges feature pure, essential designs that are a perfect fit for your bathrooms. These hinges blend the function of a hinge with that of a door closer/ floor spring for an uninterrupted bathing experience. With a maximum opening of  $95^\circ$  on either sides, the new hinges are designed to hold open at  $90^\circ$  and come with an adjustable closing speed option. The in-built damping / soft close mechanism activates once the door reaches  $30^\circ$  thus ensuring an effortless closing of the door.

**Material :** Stainless Steel 304

**Finish :** Stainless Steel Polished

**Maximum door leaf weight :** 45 Kgs. (per pair)

**Maximum door leaf width :** 800mm

**Glass thickness :** 8 - 12mm

**Opening :** Inwards and Outwards

**Hold open:**  $90^\circ$ ; Maximum door opening angle:  $95^\circ$

Self-closing function activates when door reaches  $85^\circ$

Closing speed valve adjustable

**Cycle testing :** Over 1,30,000 cycles (EN 1154)

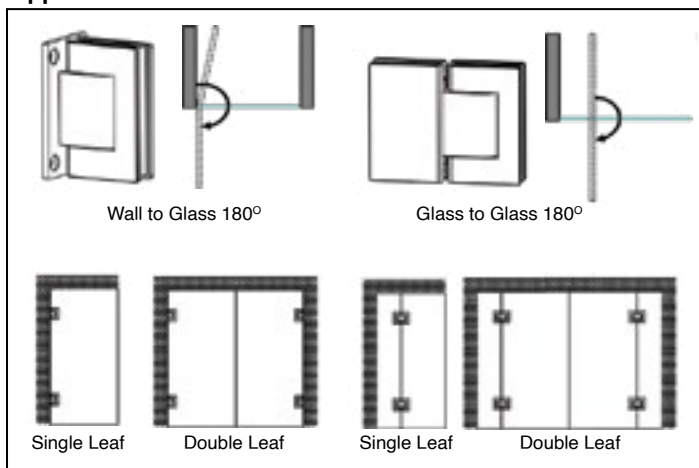


Wall to Glass  $180^\circ$

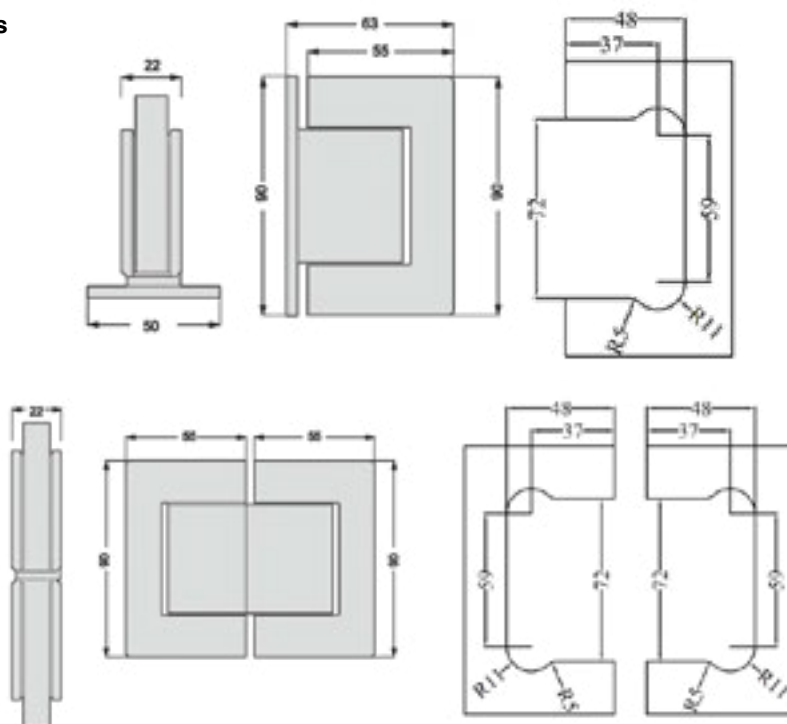


Glass to Glass  $180^\circ$

### Application

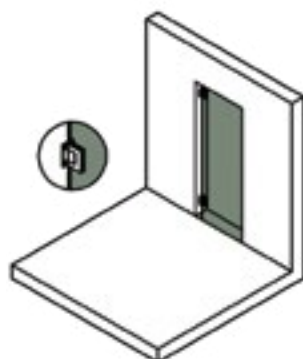


## Technical Specifications

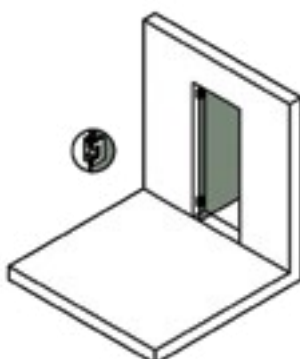


## Installation

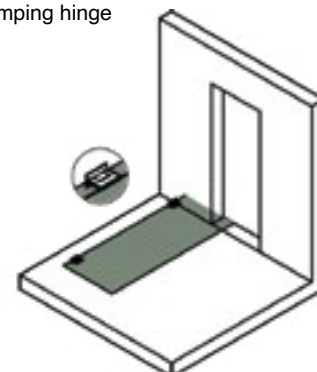
Step 1: Fix the hinges onto the glass door



Step 2: Fix the hinge mounted glass door onto the side glass panel or masonry

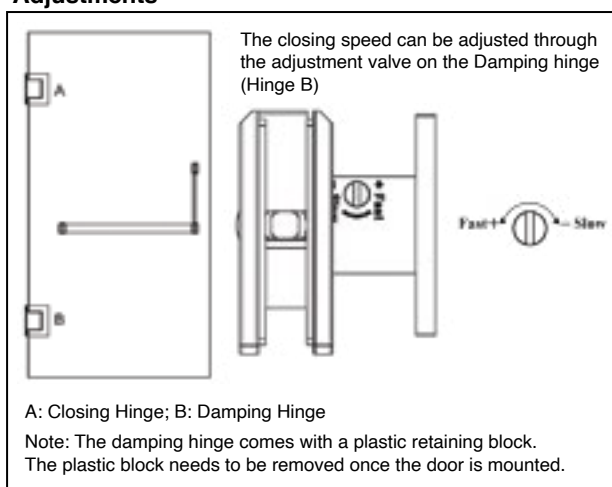


Step 3: Open the door and adjust the closing speed through the adjustable valve on the damping hinge

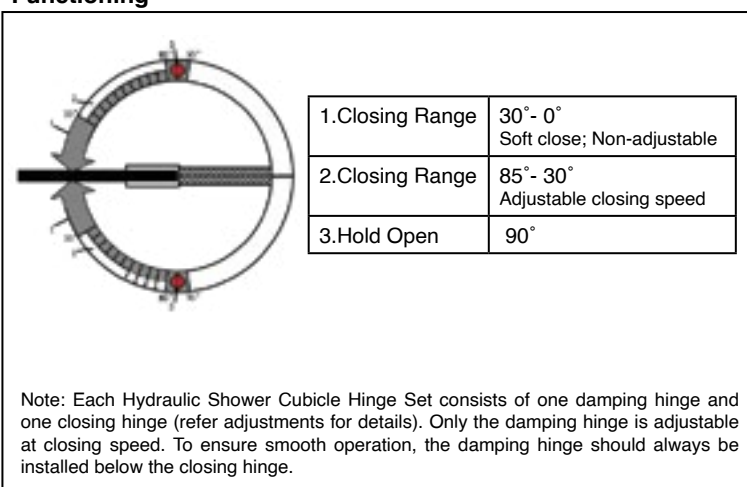


Note : If the adjustment screw is loosened off too far, the hinge will be rendered inoperable.

## Adjustments



## Functioning



## Wall to Glass 180°

Finish	Article No.
SS Polished	489.02.700*

\* Special Order

## Glass to Glass 180°

Finish	Article No.
SS Polished	489.02.701*

\* Special Order

Note : Hinges with spring to be installed at the bottom

### Double Action 3-way Shower Hinge

**Material:** Stainless Steel 304

**Finish:** Stainless Steel Polished

**Maximum door leaf weight:** 45kgs. (per pair)

**Maximum door leaf width:** 900mm

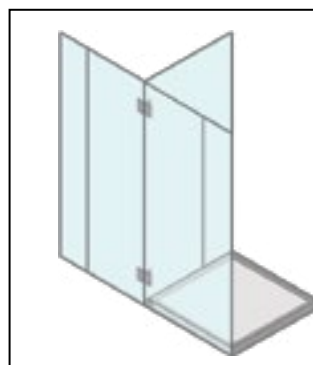
**Glass thickness:** 8 - 10mm

**Opening:** Inwards (recommended) and Outwards

Self closing function activates once the door reaches 30°

Equipped with protective door buffers on either sides

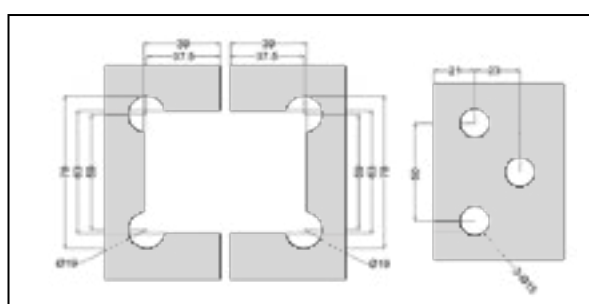
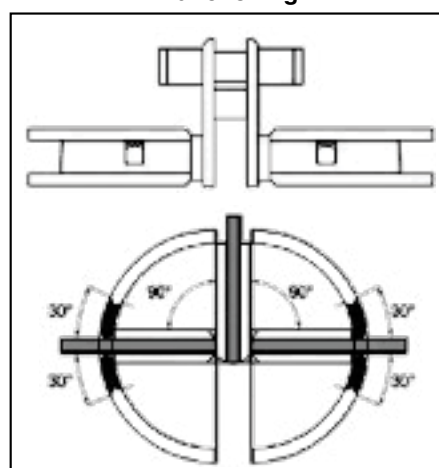
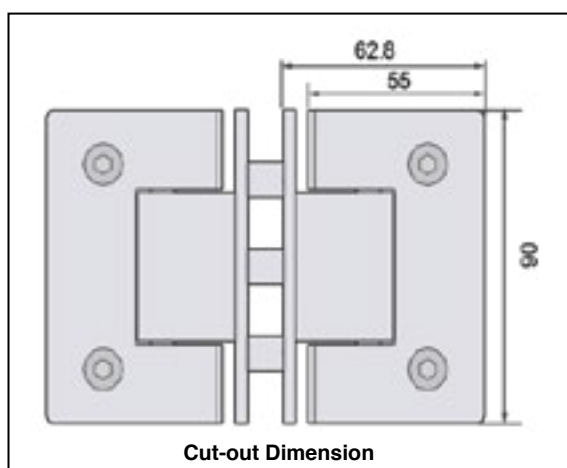
**Cycle testing:** Over 300,000 cycles



Finish	Article No.
SS Matt	981.09.090*

\* Special Order

### Functioning

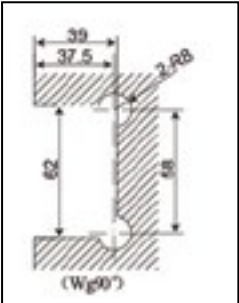
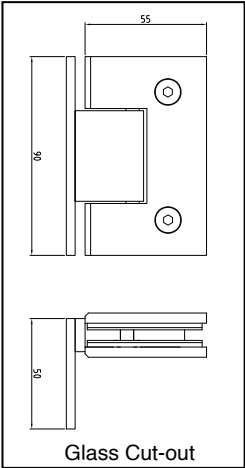


Shower Door Hinges

Kazaa Series

Wall to Glass Hinge 90° for 8, 10 or 12mm Glass

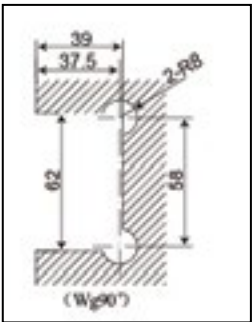
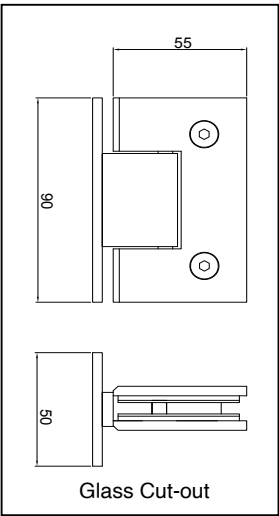
**Base Material:** Stainless Steel  
**Door Width:** up to 900mm  
**Max. Door Weight:** 45kg for 2 Nos. Hinges



Finish	Article No.
SS Matt	981.09.010
SS Polished	981.09.011

Wall to Glass Hinge 180° for 8, 10 or 12mm Glass

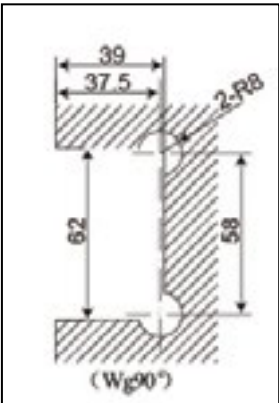
**Base Material:** Stainless Steel  
**Door Width:** up to 900mm  
**Max. Door Weight:** 45kg for 2 Nos. Hinges



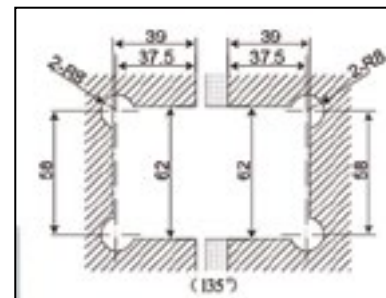
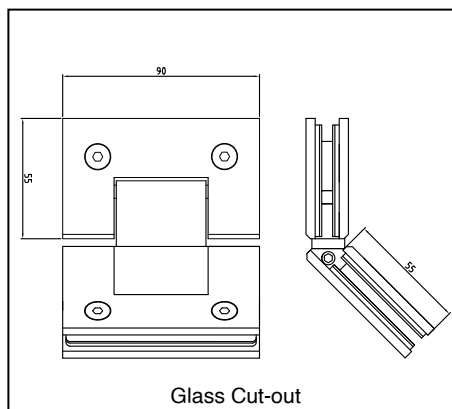
Finish	Article No.
SS Matt	981.52.787
SS Polished	981.52.788

Wall to Glass Hinge 90° for 8-12mm Glass

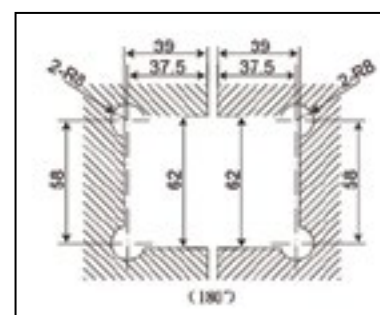
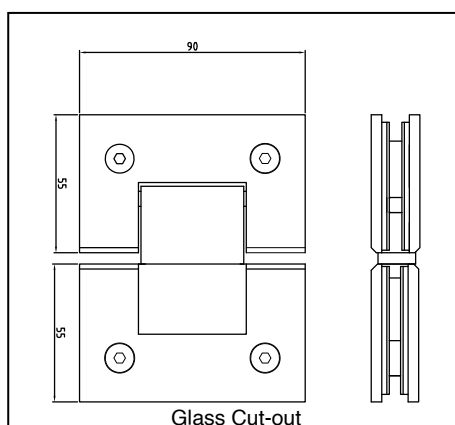
**Base Material:** Stainless Steel



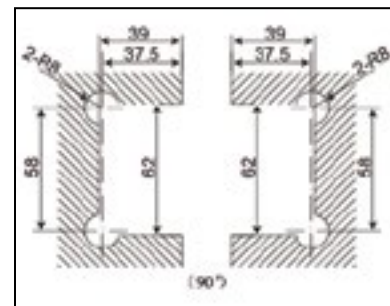
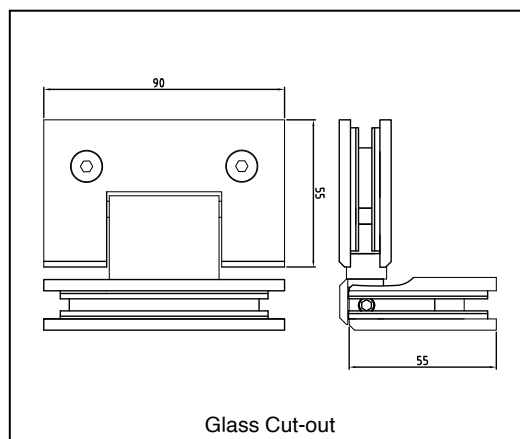
Finish	Article No.
SS Matt	981.52.789
SS Polished	981.52.790

**Glass to Glass Hinge 135° for 8-12mm Glass****Base Material:** Stainless Steel**Door Width:** up to 900mm**Max. Door Weight:** 45kg for 2 Nos. Hinges

Finish	Article No.
SS Matt	981.52.783
SS Polished	981.52.784

**Glass to Glass Hinge 180° for 8, 10 or 12mm Glass****Base Material:** Stainless Steel**Door Width:** up to 900mm**Max. Door Weight:** 45kg for 2 Nos. Hinges

Finish	Article No.
SS Matt	981.52.781
SS Polished	981.52.782

**Glass to Glass Hinge 90° for 8, 10 or 12mm Glass****Base Material:** Stainless Steel**Door Width:** up to 900mm**Max. Door Weight:** 45kg for 2 Nos. Hinges

Finish	Article No.
SS Matt	981.52.785
SS Polished	981.52.786

## Shower Door Hinges

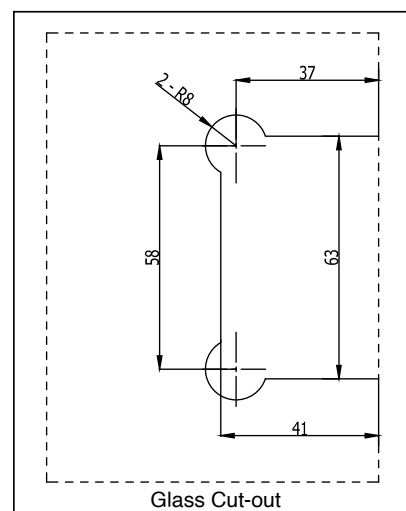
## Bellini Series

## Wall to Glass Hinge 180° for 8mm or 10mm Glass

**Base Material:** Brass

**Door Width:** up to 800mm

**Max. Door Weight:** 35kg for 2 Nos. Hinges



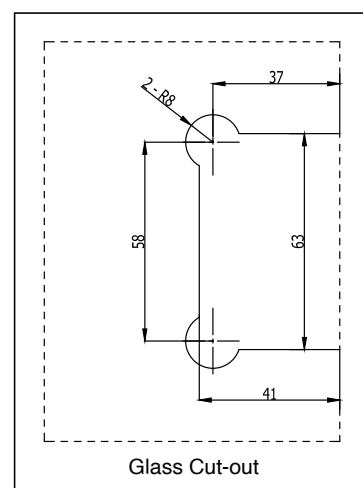
Finish	Article No.
Chrome Polished	981.35.002
Nickel Matt	981.35.006

## Wall to Glass Hinge 90° for 8mm or 10mm Glass

**Base Material:** Brass

**Door Width:** up to 800mm

**Max. Door Weight:** 35kg for 2 Nos. Hinges



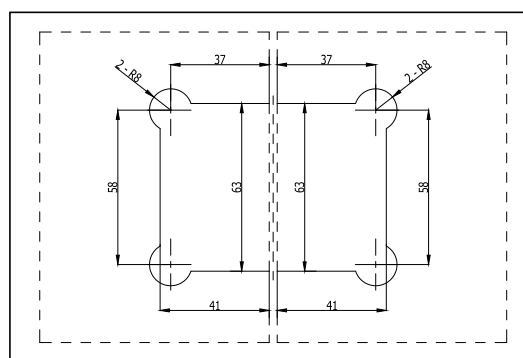
Finish	Article No.
Chrome Polished	981.35.012
Nickel Matt	981.35.016

## Glass to Glass Hinge 135° for 8mm or 10mm Glass

**Base Material:** Brass

**Door Width:** up to 800mm

**Max. Door Weight:** 35kg for 2 Nos. Hinges



Finish	Article No.
Chrome Polished	981.35.032*
Nickel Matt	981.35.036*

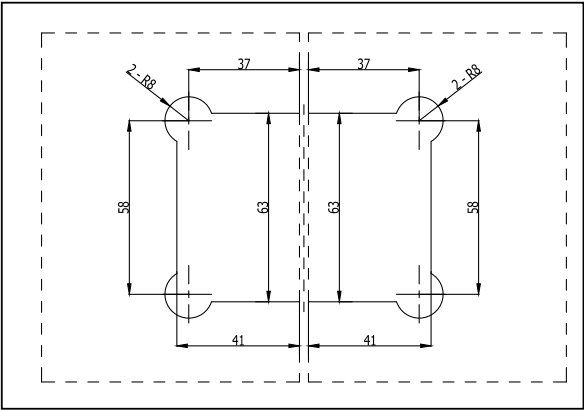
\* Special Order

Glass to Glass Hinge 180° for 8mm or 10mm Glass

Base Material: Brass

Door Width: up to 800mm

Max. Door Weight: 35kg for 2 Nos. Hinges



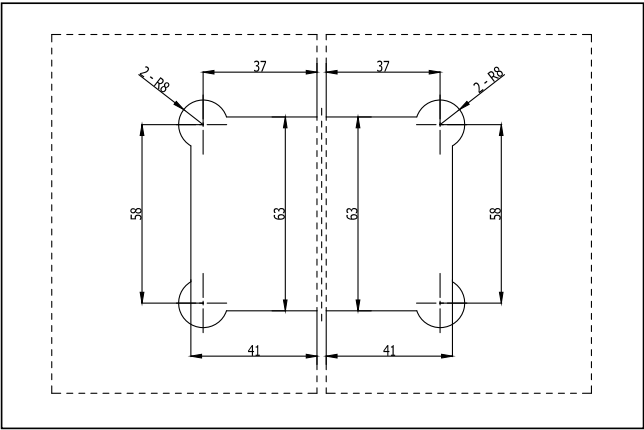
Finish	Article No.
Chrome Polished	981.35.022
Nickel Matt	981.35.026

Glass to Glass Hinge 90° for 8mm or 10mm Glass

Base Material: Brass

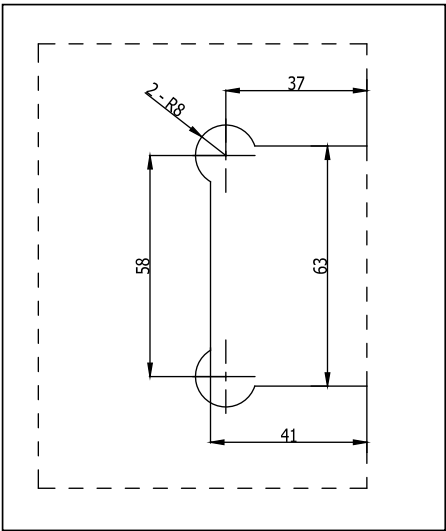
Door Width: up to 800mm

Max. Door Weight: 35kg for 2 Nos. Hinges



Finish	Article No.
Chrome Polished	981.35.042
Nickel Matt	981.35.046

Wall to Glass Fix Clamp, 55x90mm for 8 to 10mm Glass



Finish	Article No.
Chrome Polished	981.35.222
Nickel Matt	981.35.226

Shower Door Hinges

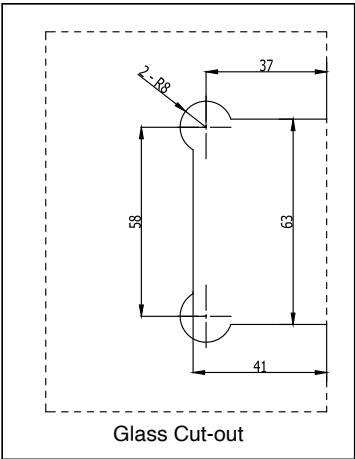
Alda Series (Brass)

Wall to Glass Hinge 90° for 8mm or 10mm Glass

Base Material: Brass

Door Width: up to 800mm

Max. Door Weight: 35kg for 2 Nos. Hinges



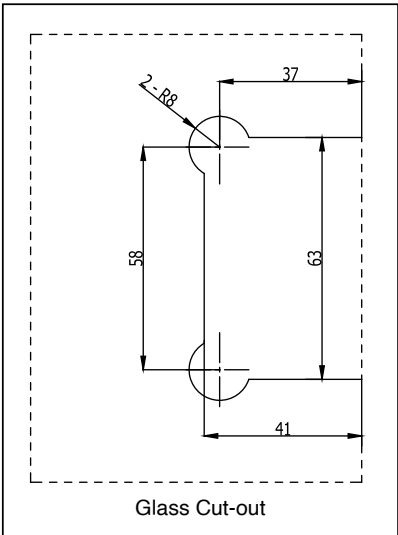
Finish	Article No.
Chrome Polished	981.35.062
Nickel Matt	981.35.066

Wall to Glass Hinge 180° for 8mm or 10mm Glass

Base Material: Brass

Door Width: up to 800mm

Max. Door Weight: 35kg for 2 Nos. Hinges



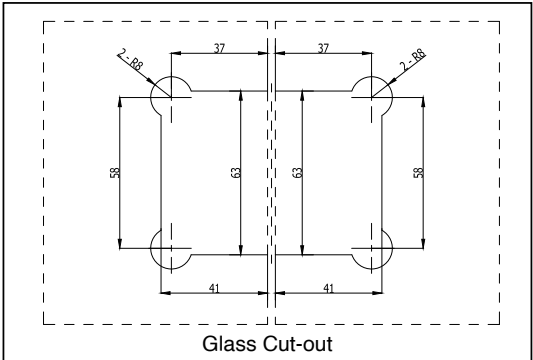
Finish	Article No.
Chrome Polished	981.35.052
Nickel Matt	981.35.056

Glass to Glass Hinge 180° for 8mm or 10mm Glass

Base Material: Brass

Door Width: up to 800mm

Max. Door Weight: 35kg for 2 Nos. Hinges



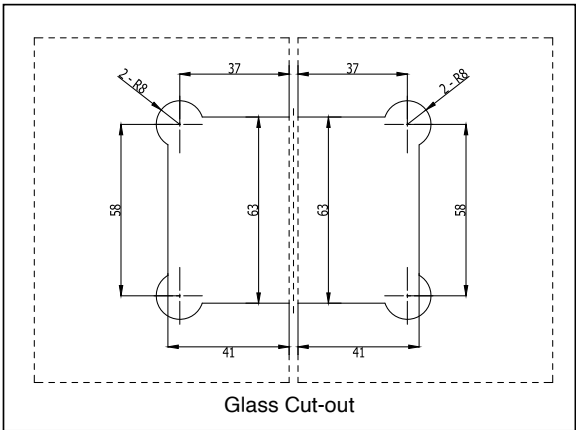
Finish	Article No.
Chrome Polished	981.35.072
Nickel Matt	981.35.076

Glass to Glass Hinge 135° for 8mm or 10mm Glass

Base Material: Brass

Door Width: up to 800mm

Max. Door Weight: 35kg for 2 Nos. Hinges



Finish	Article No.
Chrome Polished	981.35.082*
Nickel Matt	981.35.086*

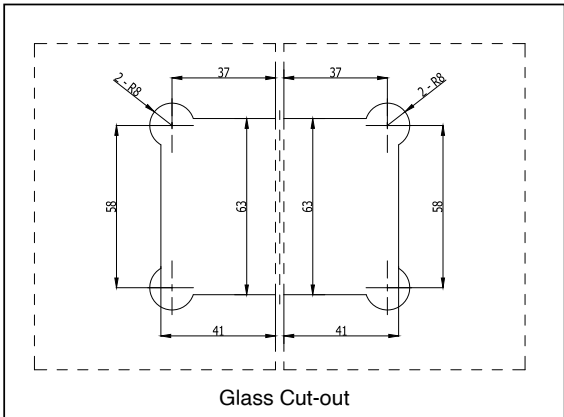
\* Special Order

Glass to Glass Hinge 90° for 8mm or 10mm Glass

Base Material: Brass

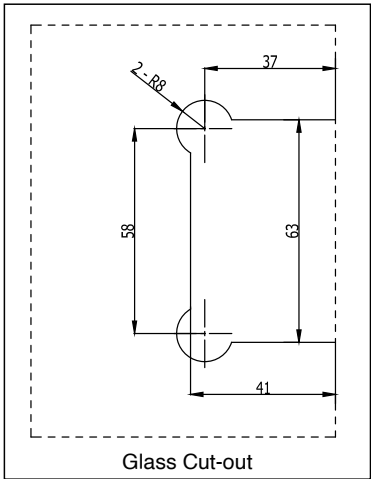
Door Width: up to 800mm

Max. Door Weight: 35kg for 2 Nos. Hinges



Finish	Article No.
Chrome Polished	981.35.092
Nickel Matt	981.35.096

Wall to Glass Fix Clamp, 55x90mm for 8 to 10mm Glass



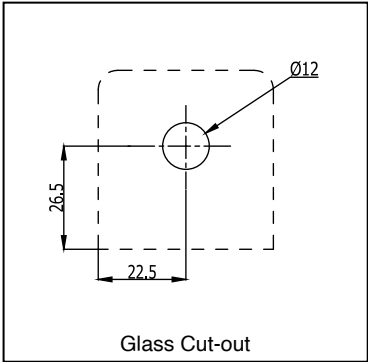
Finish	Article No.
Chrome Polished	981.35.232
Nickel Matt	981.35.236

Connectors

Curved

Wall to Glass Connector 90° for 8 or 10mm

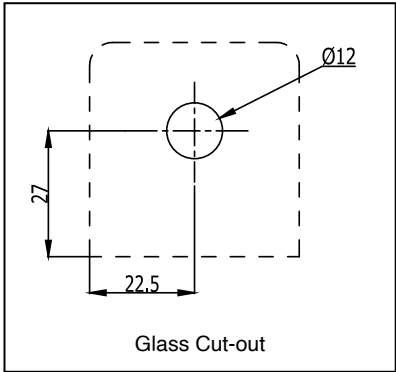
Base Material: Stainless Steel 304



Finish	Article No.
SS Matt	981.55.000
SS Polished	981.55.001

Wall to Glass Connector 90° for 8 or 10mm

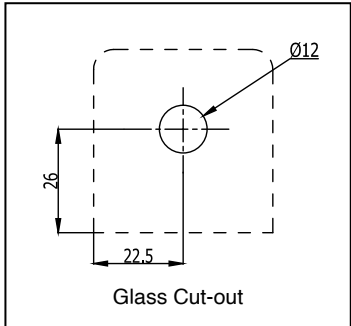
Base Material: Stainless Steel 304



Finish	Article No.
SS Matt	981.55.020
SS Polished	981.55.021

Glass to Glass Connector 90° for 8 or 10mm

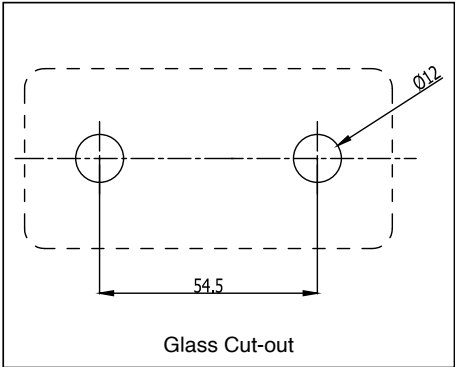
Base Material: Stainless Steel 304



Finish	Article No.
SS Matt	981.55.010
SS Polished	981.55.011

Glass to Glass Connector 180° for 8 or 10mm

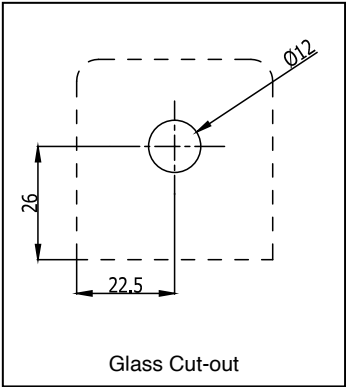
Base Material: Stainless Steel 304



Finish	Article No.
SS Matt	981.55.030
SS Polished	981.55.031

Glass to Glass Connector 135° for 8 or 10mm

Base Material: Stainless Steel 304



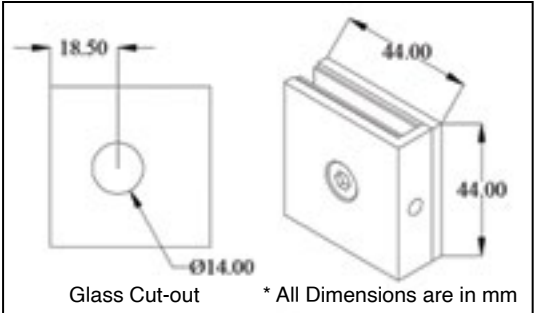
Finish	Article No.
SS Matt	981.55.040
SS Polished	981.55.041

Connectors

Straight

Wall to Glass Connector 90° for 8 or 12mm

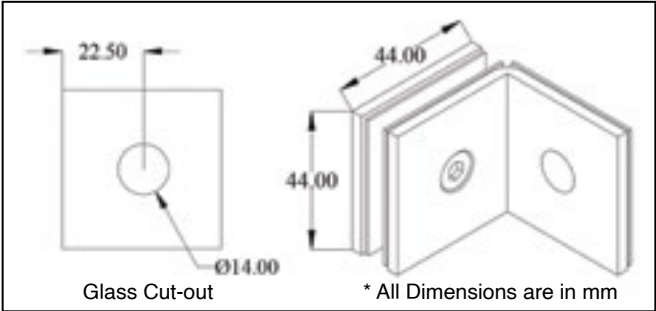
Base Material: Stainless Steel 304



Finish	Article No.
SS Matt	981.20.230
SS Polished	981.20.231

Wall to Glass Connector 90° for 8 or 12mm

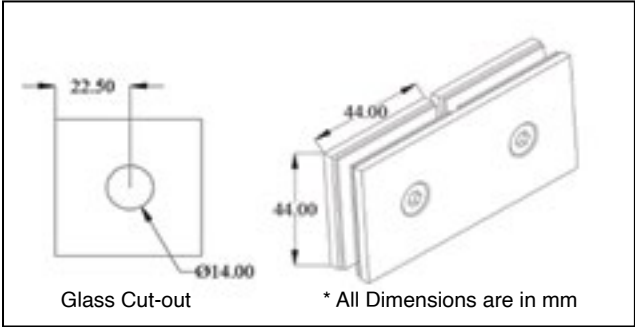
Base Material: Stainless Steel 304



Finish	Article No.
SS Matt	981.20.240
SS Polished	981.20.241

Glass to Glass Connector 180° for 8 or 10mm

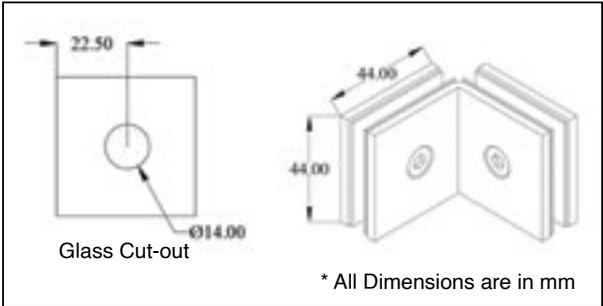
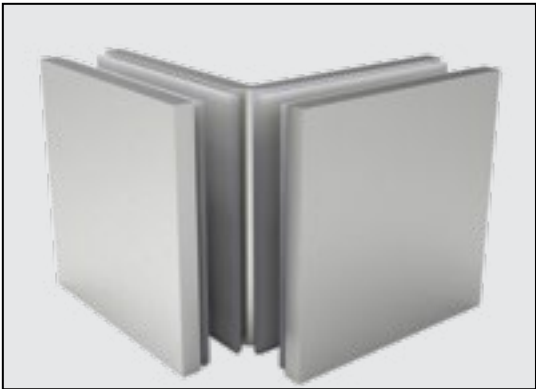
Base Material: Stainless Steel 304



Finish	Article No.
SS Matt	981.20.260
SS Polished	981.20.261

Glass to Glass Connector 90° for 8 to 12mm

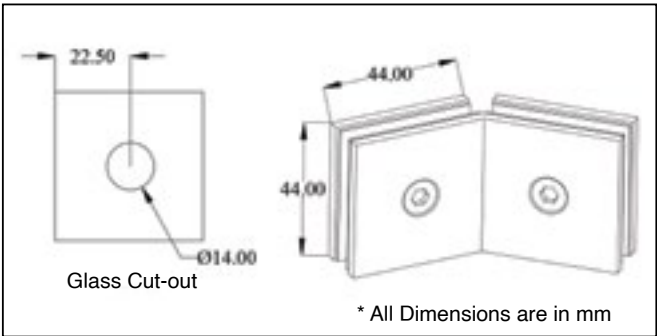
Base Material: Stainless Steel 304



Finish	Article No.
SS Matt	981.20.250
SS Polished	981.20.251

Glass to Glass Connector 135° for 8 to 12mm

Base Material: Stainless Steel 304



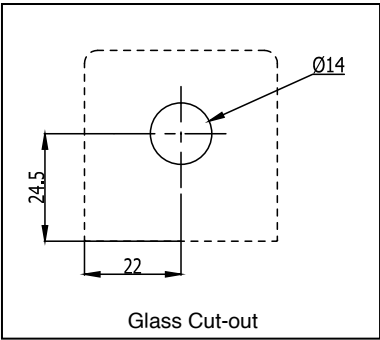
Finish	Article No.
SS Matt	981.20.270
SS Polished	981.20.271

Connectors

Brass Curved

90° Wall to Glass Bracket for 8 to 12mm Glass

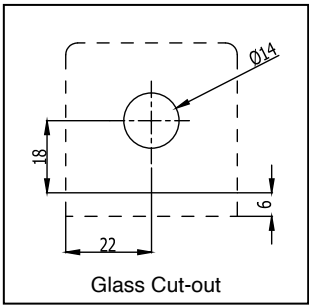
Base Material: Brass



Finish	Article No.
Chrome Polished	981.35.112
Nickel Matt	981.35.116

90° Wall to Glass or Floor to Glass Bracket for 8 to 12mm Glass

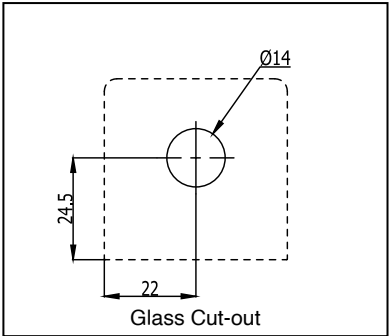
Base Material: Brass



Finish	Article No.
Chrome Polished	981.35.102
Nickel Matt	981.35.106

90° Glass to Glass Bracket for 8 to 12mm Glass

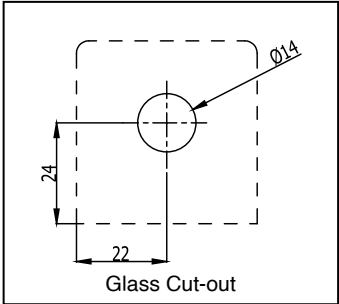
Base Material: Brass



Finish	Article No.
Chrome Polished	981.35.142
Nickel Matt	981.35.146

135° Glass to Glass Bracket for 8 to 12mm Glass

Base Material: Brass

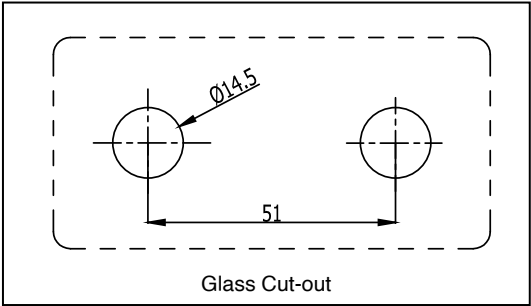


Finish	Article No.
Chrome Polished	981.35.132*
Nickel Matt	981.35.136*

\* Special Order

180° Glass to Glass Bracket for 8 to 12mm Glass

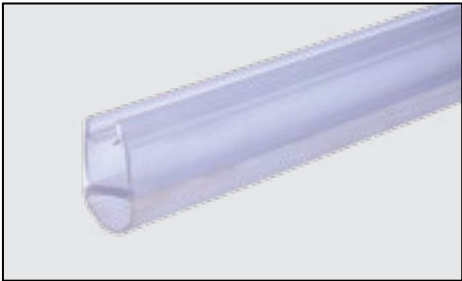
Base Material: Brass



Finish	Article No.
Chrome Polished	981.35.122
Nickel Matt	981.35.126

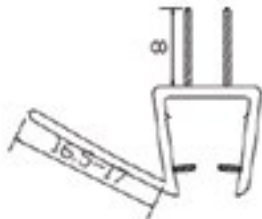
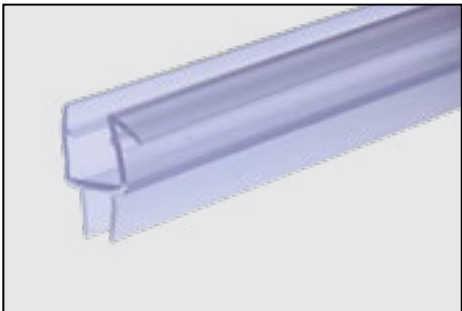
New Shower Seal Range

Weather Seal used between door & side panel opposite the hinge  
Size: 2400 mm



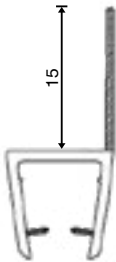
Description	Article No.
Weather Seal for 8mm Glass used between Door & Side Panel opp. Hinge end, Size 2400mm	950.50.403
Weather Seal for 10mm Glass used between Door & Side Panel opp. Hinge end, Size 2400mm	950.50.404
Weather Seal for 12mm Glass used between Door & Side Panel opp. Hinge end, Size 2400mm	950.50.405

Bottom Seal for glass extruded with water run off plate  
Size: 2400 mm



Description	Article No.
Bottom Seal for Glass Extruded with Water run off plate for 8mm Glass, Size 2400mm	950.50.409
Bottom Seal for Glass Extruded with Water run off plate for 10mm Glass, Size 2400mm	950.50.410
Bottom Seal for Glass Extruded with Water run off plate for 12mm Glass, Size 2400mm	950.50.411

Wall Seal for sealing double action door & wall  
Size: 2400 mm



Description	Article No.
Wall Seal with Soft Lip for 8mm Glass, Size 2400mm	950.50.400
Wall Seal with Soft Lip for 10mm Glass, Size 2400mm	950.50.401
Wall Seal with Soft Lip for 12mm Glass, Size 2400mm	950.50.402

**Sliding Door Seal**

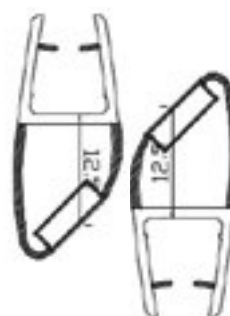
Size: 2400 mm



Description	Article No.
Sliding door seal for fixed panel and shutter gap, 8mm, 2400mm	950.50.406
Sliding door seal for fixed panel and shutter gap, 10mm, 2400mm	950.50.407
Sliding door seal for fixed panel and shutter gap, 12mm, 2400mm	950.50.408

**180° Magnetic Seal (Supplied in pairs)**

Size: 2400 mm

**90° Magnetic Seal (Supplied in pairs)**

Size: 2400 mm



Description	Article No.
Magnetic Seal 180° & 90° (supplied in pairs) for 8mm Glass, Size 2400mm	950.50.412
Magnetic Seal 180° & 90° (supplied in pairs) for 10mm Glass, Size 2400mm	950.50.413
Magnetic Seal 180° & 90° (supplied in pairs) for 12mm Glass, Size 2400mm	950.50.414

**135° Magnetic Seal (Supplied in pairs)**

Size: 2400 mm



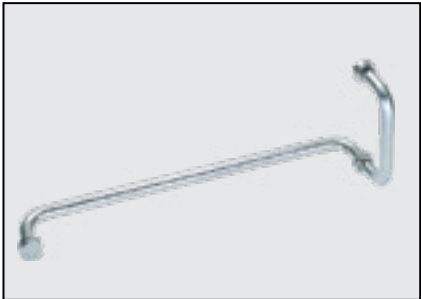
Description	Article No.
Magnetic Seal 135° (supplied in pairs) for 8mm Glass, Size 2400mm	950.50.415
Magnetic Seal 135° (supplied in pairs) for 10mm Glass, Size 2400mm	950.50.416
Magnetic Seal 135° (supplied in pairs) for 12mm Glass, Size 2400mm	950.50.417

Shower Handles

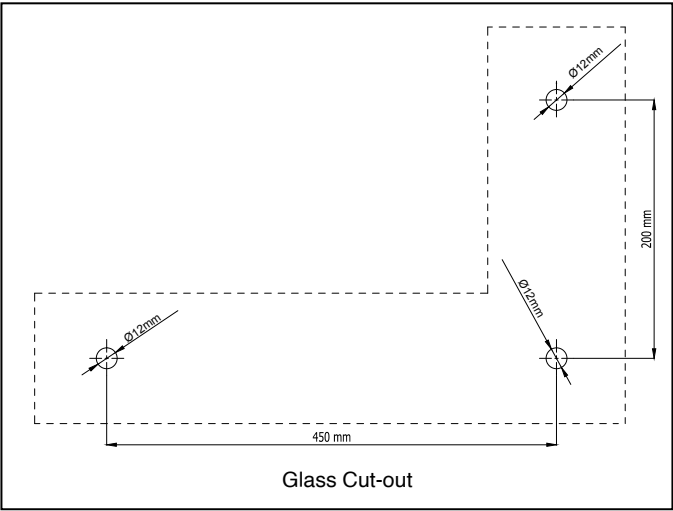
Hollow Range

Towel Bar with Handle

Base Material: Stainless Steel  
Size: 25mm Ø x 450mm C/C - Towel Bar  
25mm Ø X 200mm C/C - Pull Handle

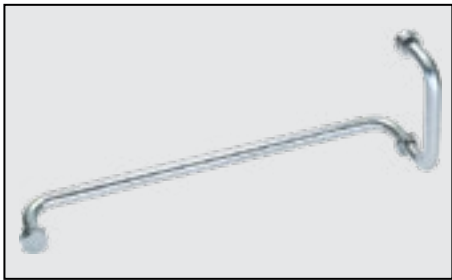


Finish	Article No.
SS Matt	980.47.000
SS Polished	980.47.001

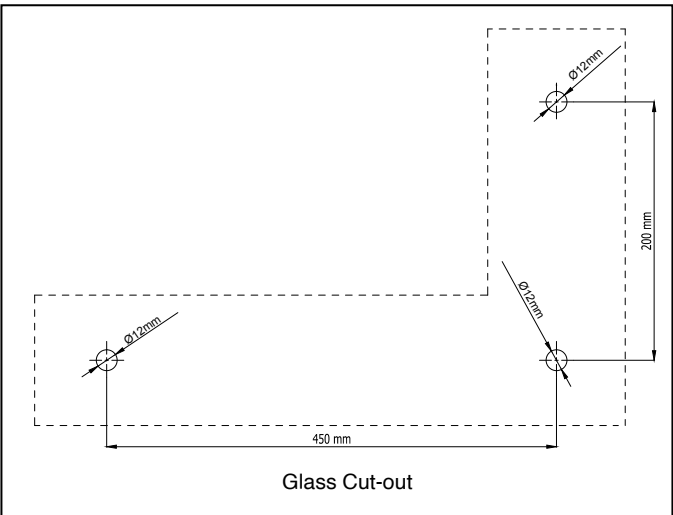


Towel Bar with Handle

Base Material: Stainless Steel  
Size: 19mm Ø x 450mm C/C - Towel Bar  
19mm Ø X 200mm C/C - Pull Handle

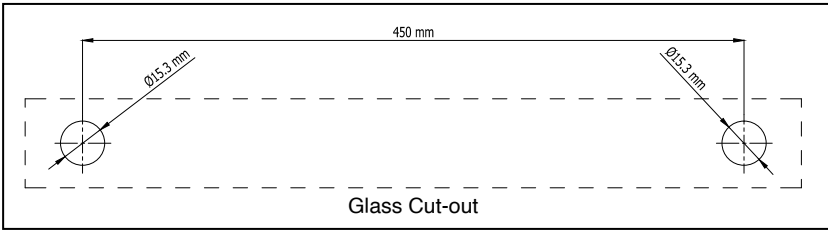
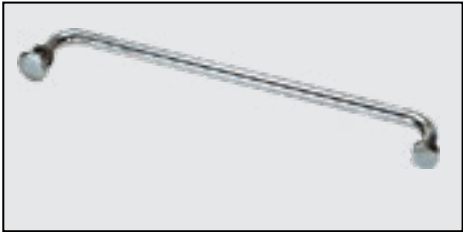


Finish	Article No.
SS Matt	983.13.000
SS Polished	983.13.001



Towel Bar with Knob

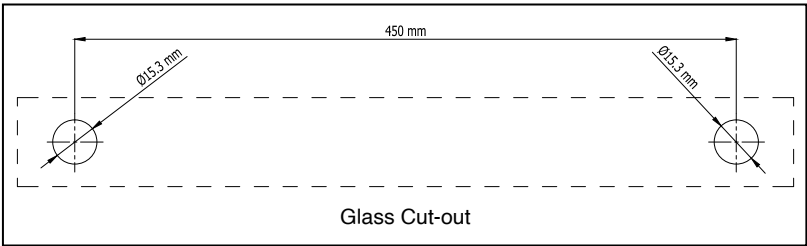
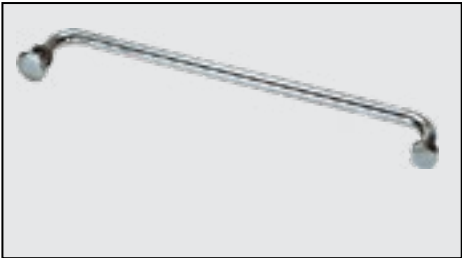
Base Material: Stainless Steel  
Size: 25mm Ø x 450mm C/C - Towel Bar



Finish	Article No.
SS Matt	980.47.010
SS Polished	980.47.011

Towel Bar with Knob

Base Material: Stainless Steel  
Size: 19mm Ø x 450mm C/C - Towel Bar



Finish	Article No.
SS Matt	983.13.010
SS Polished	983.13.011

Towel Bar with Pull Handle

Size: 25x200mm Pull Handle, 25x450mm Towel Bar,  
Drilling Hole: Ø 14mm



Finish	Article No.
SS Polished	903.01.993*

\* Special Order

Towel Bar with Knob

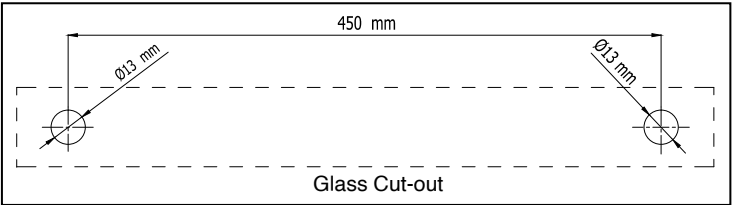
Size: 25mm Ø x 450mm  
Ø 12mm cutout



Finish	Article No.
SS Polished	981.53.282

Solid Stainless Steel Towel Bar With Knob square

35 x 25mm Diameter



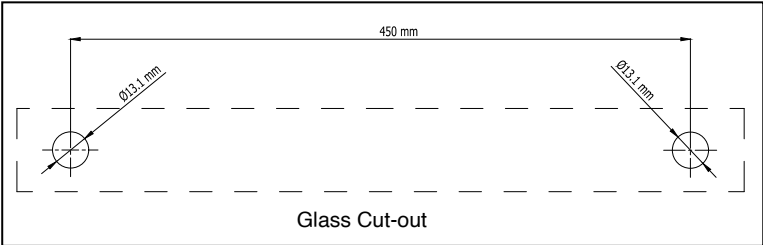
Finish	Size	Article No.
SS Matt	25 x 10 x 465mm c/c	981.20.210*
SS Polished	25 x 10 x 465mm c/c	981.20.211*

\* Special Order

Solid Stainless Steel Towel Bar

With Knob 35 x 32mm Diameter

Base Material: Stainless Steel



Finish	Size	Article No.
SS Matt	12.70 x 12.70 x 25 x 450mm c/c	981.20.200*
SS Polished	12.70 x 12.70 x 25 x 450mm c/c	981.20.201*

\* Special Order

Shower Header Bars

Grab Bar

SS304 Grab Bar 32mm Dia 450mm C/C



Finish	Article No.
SS Matt	903.19.764*
SS Polished	903.19.765*

\* Special Order

SS304 Grab Bar 32mm Dia 600mm C/C



Finish	Article No.
SS Matt	903.19.774
SS Polished	903.19.775

**Back to Back Knob for Shower Doors**

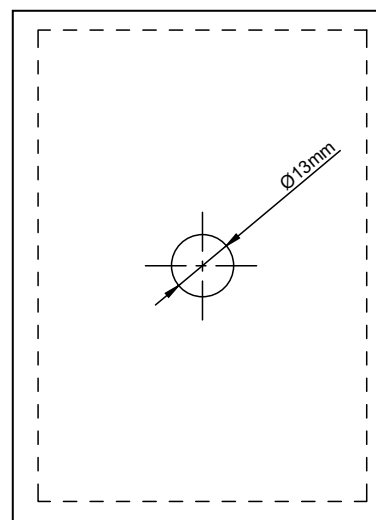
Base Material: Stainless Steel 304

Size: 32mm x 40mm

Suitable for 6mm to 10mm Glass



Finish	Article No.
SS Matt	981.20.130
SS Polished	981.20.131

**Back to Back Knob for Shower Doors**

Base Material: Brass

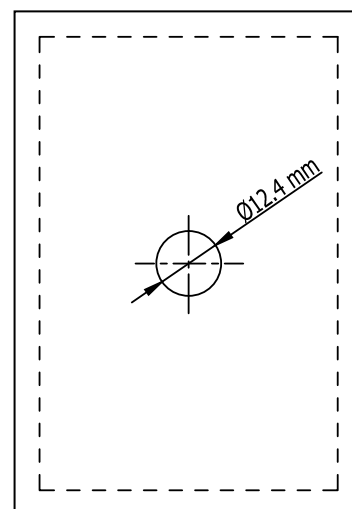
Size: 40mm x 24.3mm

Suitable for 6mm to 10mm Glass



Finish	Article No.
Chrome Polished	981.07.302*
Nickel Matt	981.07.306*

\* Special Order

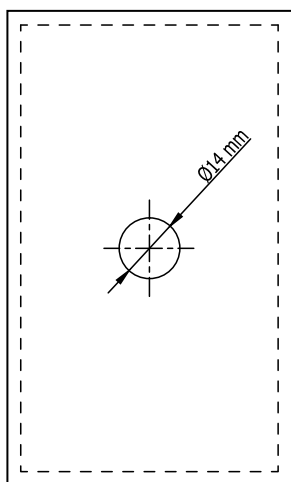
**Back to Back Knob for Shower Doors**

Base Material: Stainless Steel

Size: 38mm x 40mm

32mm x 40mm

Suitable for 6mm to 10mm Glass



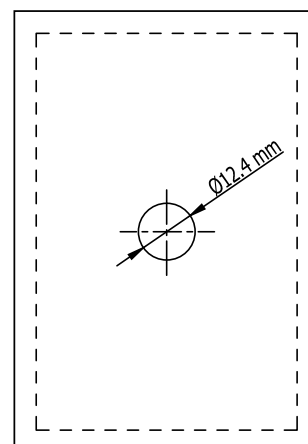
Finish	Size	Article No.
SS Matt	38mm x 40mm	981.20.122*
SS Polished		981.20.123*
SS Matt	32mm x 40mm	981.20.120*
SS Polished		981.20.121*

\* Special Order

**Knob Back to Back fixing for Shower Doors**

Size 32x40mm for 6 to 10mm Glass

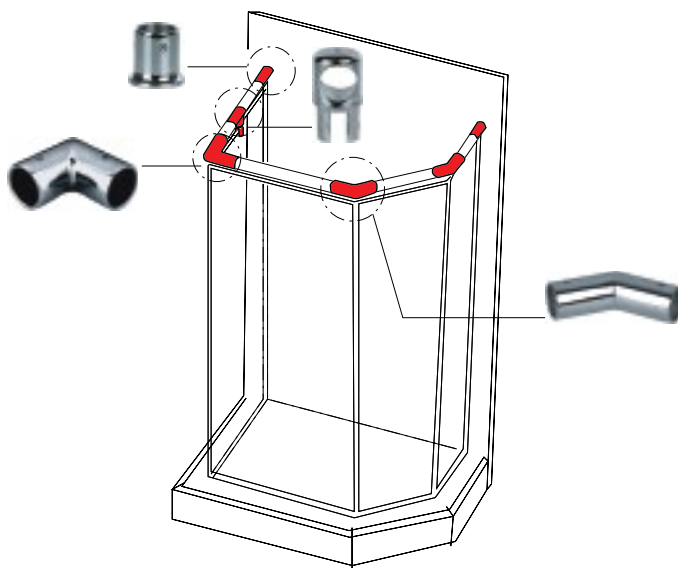
SS Polished



Finish	Size	Article No.
SS Polished	32x40mm	981.79.100

## Shower Header Bars

## Round


**Features**

- For glass thicknesses: 8–10 mm

**Installation**

- Clamp fixing with hexagon socket screws

**Wall support for header bar**


Finish	Article No.
SS Matt	981.20.500
SS Polished	981.20.151

**Glass middle support for header bar**


Finish	Article No.
SS Matt	981.20.520
SS Polished	981.20.171

**Glass end support for header bar**


Finish	Article No.
SS Matt	981.20.570
SS Polished	981.20.161

**Universal Shower rail connector for 19mm tube**


Finish	Article No.
SS Polished (304)	981.52.141

**T- Shower rail connector for 19mm tube**


Finish	Article No.
SS Polished (304)	981.52.161*

\* Special Order

**19mm SS Rod for Header Bar**

Finish: SS Matt



Finish	Size	Article No.
SS Matt	1200mm	981.20.612
SS Polished	1200mm	981.20.194
SS Matt	2000mm	981.20.191
SS Polished	2000mm	981.20.193
SS Matt	3000mm	981.20.190
SS Polished	3000mm	981.20.192

A modern office interior featuring a glass partition with a black frame. Inside the office, there is a white shelving unit with open shelves and drawers on wheels. A large window provides a view of a city skyline. The floor is made of large, light-colored tiles. A red banner is overlaid across the middle of the image.

# Offset Pivot Hinges

### For Frameless Glass Doors

The Offset Pivot Hinges manufactured by Häfele are of the highest quality material and are extremely resilient. The hinge design ensures minimal visibility of the hardware, directing attention onto the glass door. These pivot hinges attach to the bottom and top of doors, allowing the door to open in either direction.

Suitable for doors weighing up to 100 kg, Häfele's Offset Pivot Hinges are quality assured and are designed for durability, style and easy installation. The Stainless Steel finish gives them a modern look and makes them corrosion resistant.



Top Offset Pivot

### Product Specification

Glass Thickness : 8 - 12 mm  
 Material : Stainless Steel Grade 304  
 Finish : Stainless Steel Matt  
 Max. Glass Width : 1100 mm  
 Max. Glass Weight : 100 Kg  
 Opening Angle : 115°



Bottom Offset Pivot

Finish	Product	Article No.
SS Matt	Top and Bottom Offset Pivot Hinge Set (Unhanded)	981.20.091
SS Matt	Mounting Plate for Top Offset Pivot Hinge (DIN Left)	981.20.092
SS Matt	Mounting Plate for Top Offset Pivot Hinge (DIN Right)	981.20.093
SS Matt	FS 2103 Double Action Floor Spring with 90° Hold Open, Size 3, Max. Door Weight: 90 Kg., For Door Width: 850-1000 mm	932.79.030
SS Matt	FS 2104 Double Action Floor Spring with 90° Hold Open, Size 4, Max. Door Weight: 120 Kg., For Door Width: 1000-1200 mm	932.79.040

A glass door with a grey frame and hardware, looking into a modern office interior. The door is slightly ajar, revealing a bright, minimalist workspace. Inside, there are white desks, yellow office chairs, and a large whiteboard. The floor is covered with a dark blue carpet. The door hardware includes a silver handle and a lock. A red banner with white text is overlaid on the middle of the image.

# Stile Door Hardware

## For Profiles And Frameless Glass Doors

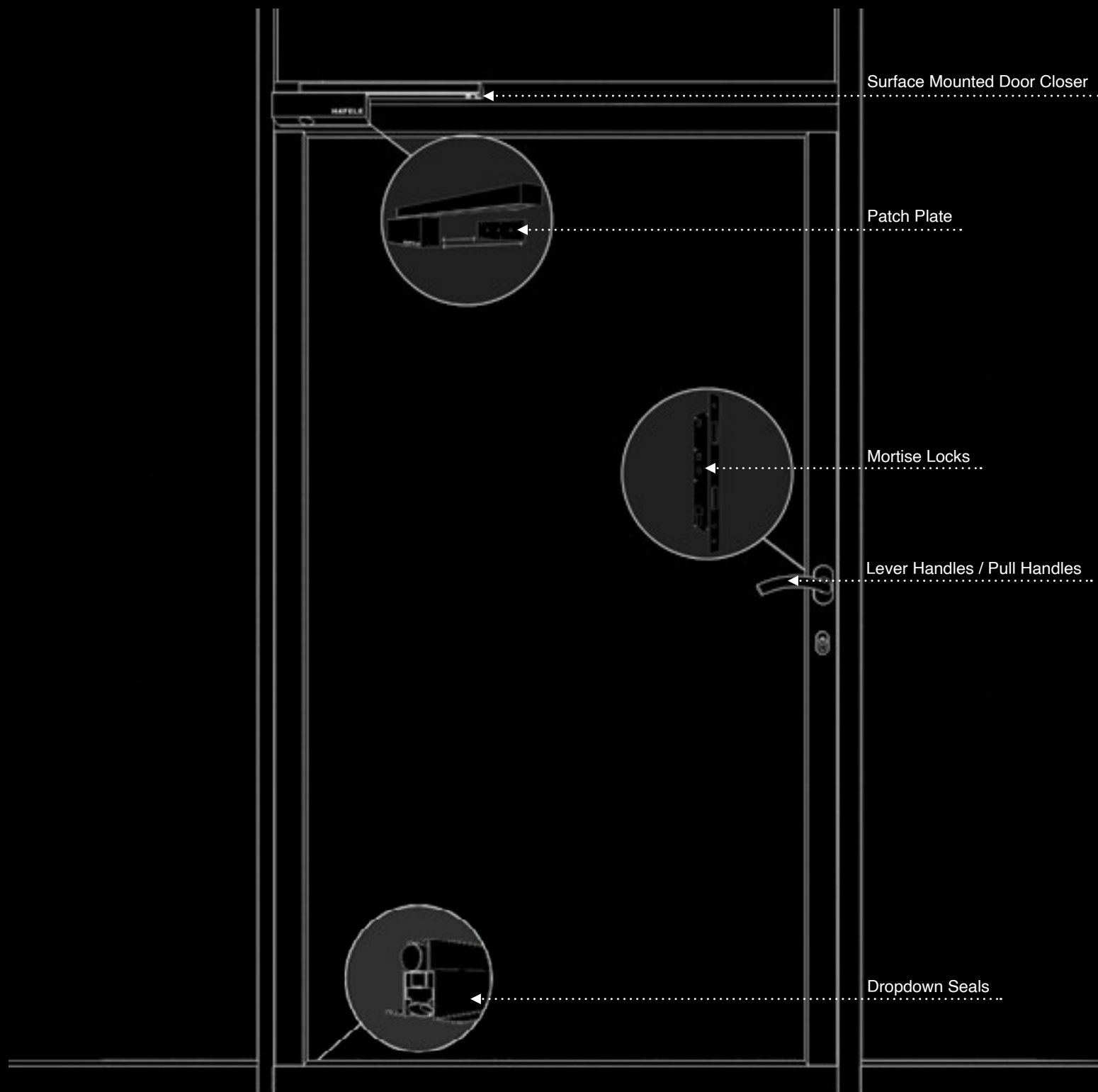


An office that is too noisy can be unnerving. With the popularity of predominantly open commercial spaces, there is a growing need for quiet office partitions and meeting rooms. Although the traditional conference rooms successfully bestow you with tranquility to work and collaborate, they isolate you from the hub where the main action takes place. As a result, installation of tall framed / frameless glass partitions and doors with minimal and understated hardware is gaining popularity. This door architecture concept, popularly referred to as Stile Doors, enables the rooms to appear larger and interconnected and enhances the ambience of the space, offering a visual treat. These doors help create discreet pockets that are inviting, collaborative and at the same time promote organizational transparency without any hindrance.

Stile doors are a perfect example of effortlessly combined transparency and discretion. These doors embody the latest trends in design, and offer the flexibility of having the right hardware that enables you to shape the truly custom look that you so desire. With Stile Doors enduring beauty in any space is possible. Häfele presents a versatile and attractive range of Stile Door Hardware that offers your space a peaceful escape from the noise of the world with controllable acoustics. This range, which includes diverse Stile Door Hardware options, combines visual sophistication with extraordinary design flexibility and helps create enticing spaces enhancing your interior architecture.

The strength and flexibility of the hardware is what holds it all together and makes any structure sustain. Engineered for strength and stability the Stile Door Hardware Range by Häfele comprises of door fittings and door solutions that offer coordinated, attractive design options with impressive application versatility.

## 60 MM PROFILE DOORS

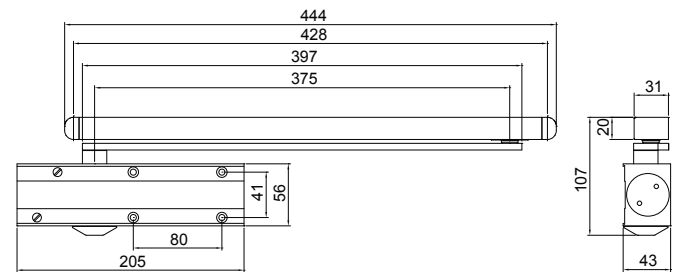


DCL 87 CAM EFFICIENT DOOR CLOSER

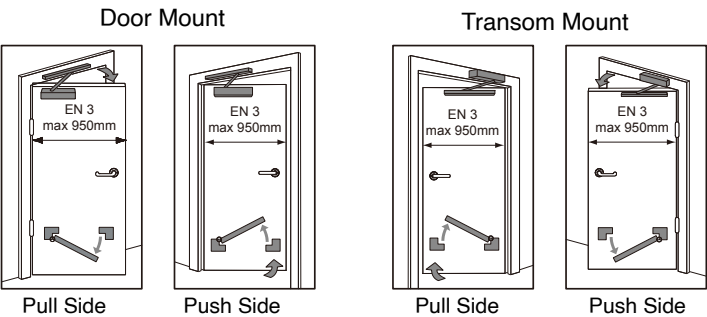
- Versions: Non hold open (931.46.009)  
With hold open (931.46.179)
- Max. Door Width: 950 mm
- Door Weight: Up to 60 kg
- Max. Opening Angle: 180°
- Hold Open Angle: Adjustable
- EN Size: 3
- Adjustments: Closing and latching speed
- Finish: Anodized Aluminium
- Mounting: Surface, For DIN left hand and DIN right hand use



Technical Specification



Installation



Patch Plate For DCL - 87

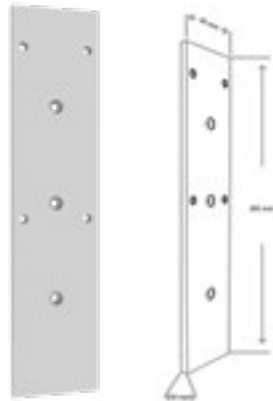


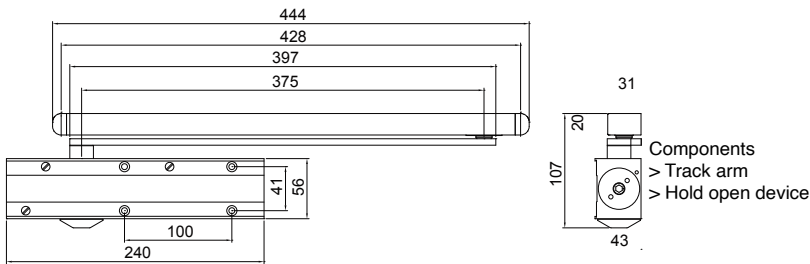
Plate Thickness	Material	Finish	Dimension (mm)	Article No.
10 mm	Aluminium	Anodized Aluminium	203(W) x 55 (H) x 10 (T)	931.35.000

DCL 88 CAM EFFICIENT DOOR CLOSER

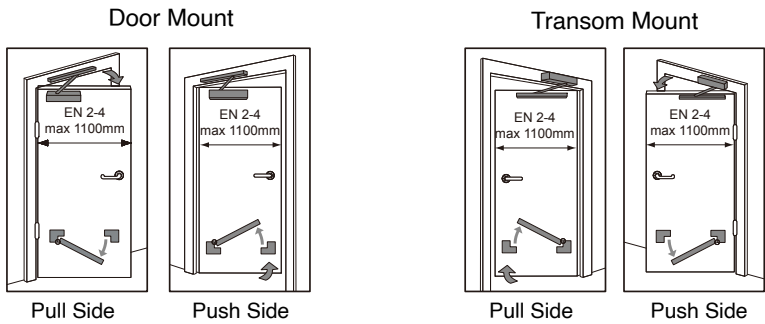
- Versions: Non hold open (931.46.029)  
With hold open (931.46.199)
- Max. Door Width: 1100 mm
- Door Weight: Up to 80 kg
- Max. Opening Angle: 180°
- Hold Open Angle: Adjustable
- EN Size: 2-4 (adjustable)
- Adjustments: Closing and latching speed with back check
- Finish: Anodized Aluminium
- Mounting: Surface, For DIN left hand and DIN right hand use



Technical Specification



Installation



Patch Plate For DCL -88



Plate Thickness	Material	Finish	Dimension (mm)	Article No.
10 mm	Aluminium	Anodized Aluminium	239(W) x 55(H) x 10(T)	931.35.002

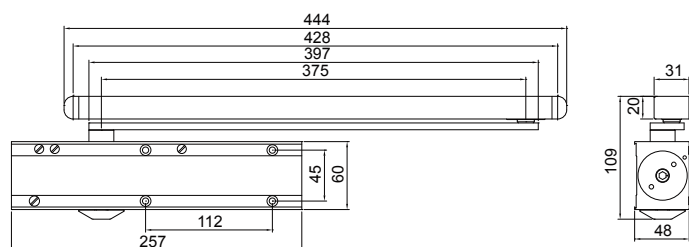
### DCL 89 CAM EFFICIENT DOOR CLOSER



- Versions: Non hold open (931.46.049)  
With hold open (931.46.219)
- Max. Door Width: 1250 mm
- Door Weight: Up to 100 kg
- Max. Opening Angle: 180°
- Hold Open Angle: Adjustable
- EN Size: 2-5
- Adjustments: Closing and latching speed with back check
- Finish: Anodized Aluminium
- Mounting: Surface, For DIN left hand and DIN right hand use

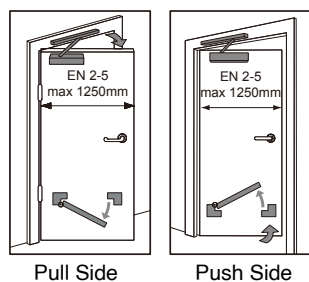


### Technical Specification

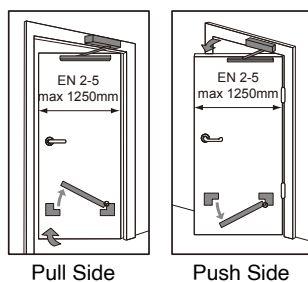


### Installation

Door Mount



Transom Mount



### Patch Plate For DCL -89

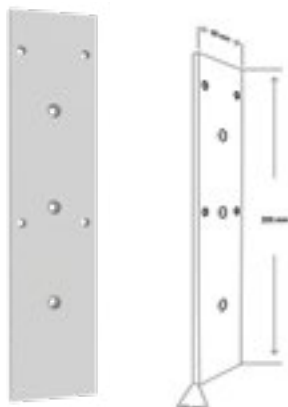
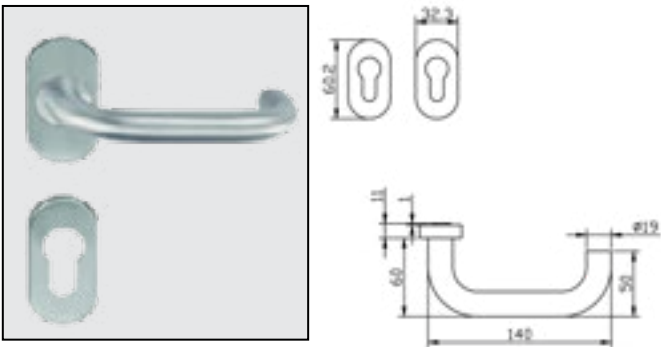


Plate Thickness	Material	Finish	Dimension (mm)	Article No.
10 mm	Aluminium	Anodized Aluminium	255 (W) x 60 (H) x 10 (T)	931.35.004

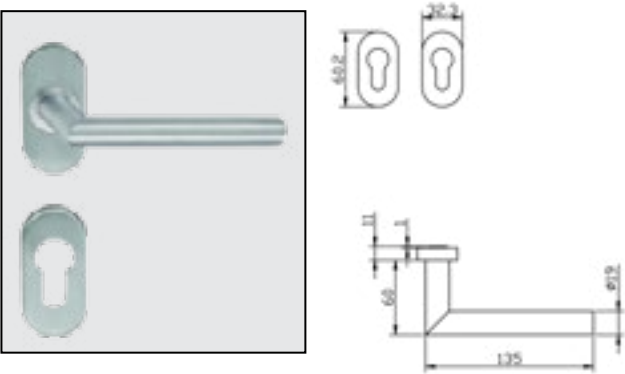
Hollow Lever Handle On Narrow Oval Rose

Specification

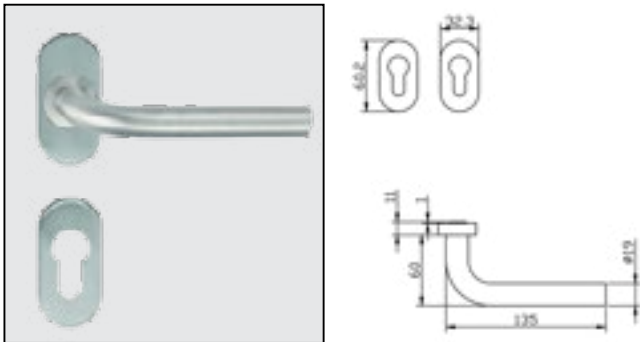
- Handle Type: Hollow, 19mm Grip
- Material: SS 304
- Finish: SS Matt
- Rose: Oval
- Escutcheons: Oval with Euro Profile Cut-out
- Spindle: 8 mm
- Fixing screws: Yes
- Door Thickness: 38 - 50 mm
- Cycle Testing: 100,000 Cycles



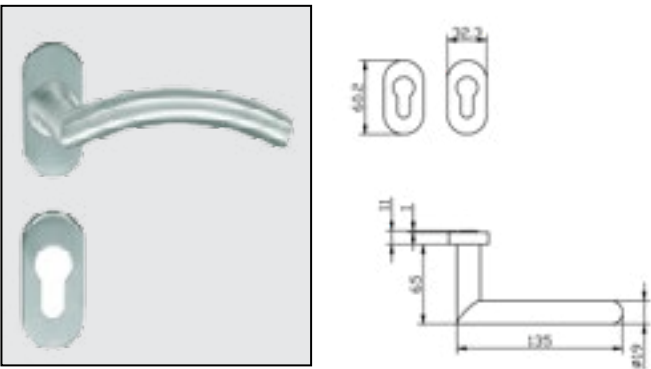
Finish	Article No.
SS Matt	902.92.964



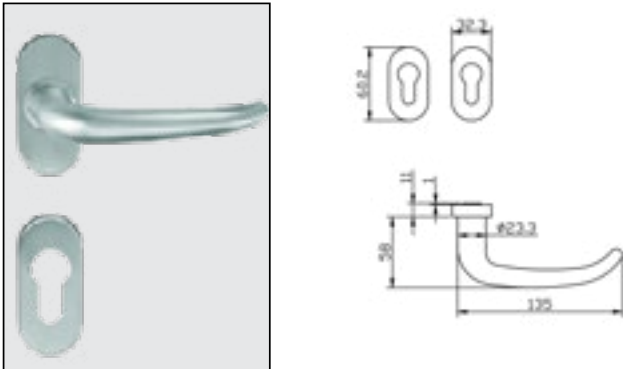
Finish	Article No.
SS Matt	902.92.966



Finish	Article No.
SS Matt	902.92.968



Finish	Article No.
SS Matt	902.92.974

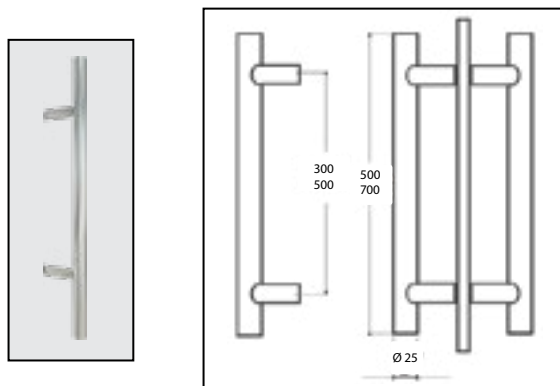


Finish	Article No.
SS Matt	902.92.976

## Hollow Pull Handle: H 45 Offset

### Specification

- Finish: SS Matt
- Material: SS Grade 304
- Application: For glass and wooden door with back to back fixing

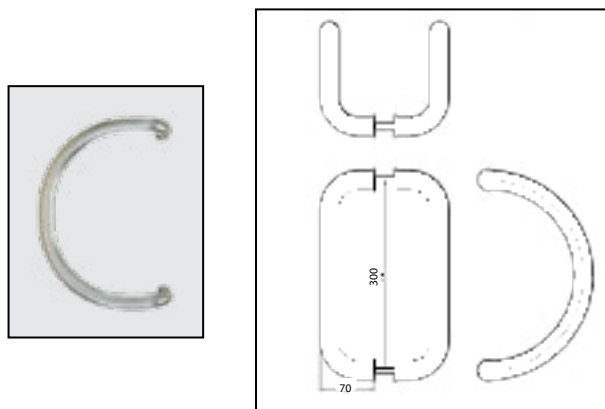


Centre to Centre (C/C)	Overall (O/A) Distance	Grip(ø)	Article No.
300 mm	500 mm	25 mm	903.09.910
500 mm	700 mm		903.09.912

## Hollow Pull Handle: C Shape

### Specification

- Finish: SS Matt
- Material: SS Grade 304
- Application: For glass and wooden door with back to back fixing

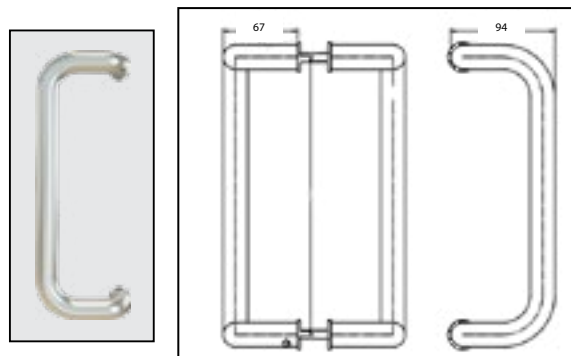


Centre to Centre (C/C)	Grip(ø)	Article No.
300 mm	25 mm	903.09.810

## Hollow Pull Handle: Crank

### Specification

- Finish: SS Matt
- Material: SS Grade 304
- Application: For glass and wooden door with back to back fixing

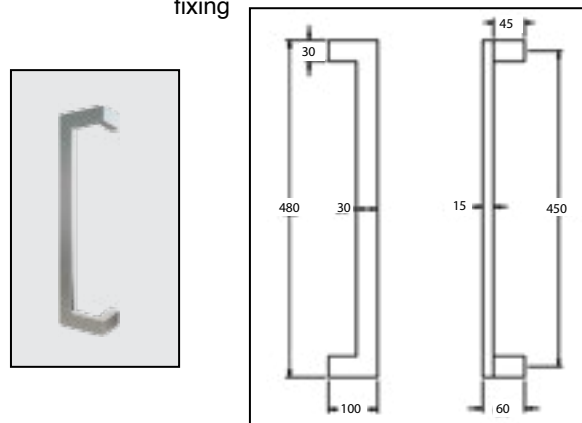


Centre to Centre (C/C)	Grip(ø)	Article No.
300 mm	22 mm	903.09.770
400 mm	25 mm	903.09.790
450 mm	25 mm	903.09.792
600 mm	32 mm	903.09.800

## Solid Pull Handle: Tenor

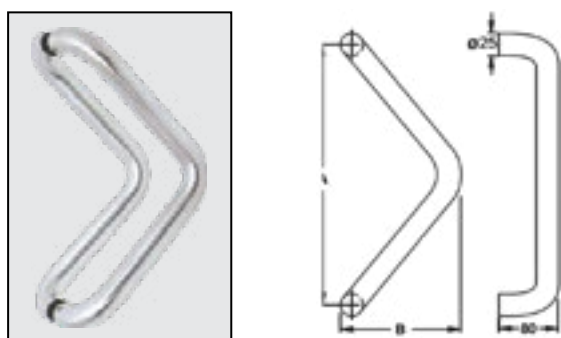
### Specification

- Finish: SS Matt
- Material: SS Grade 304
- Application: For glass and wooden door with back to back fixing



Centre to Centre (C/C)	Grip(ø)	Article No.
450 mm	30 x 15 mm	903.09.840
400 mm		903.08.550

## Solid Pull Handle: Tenor

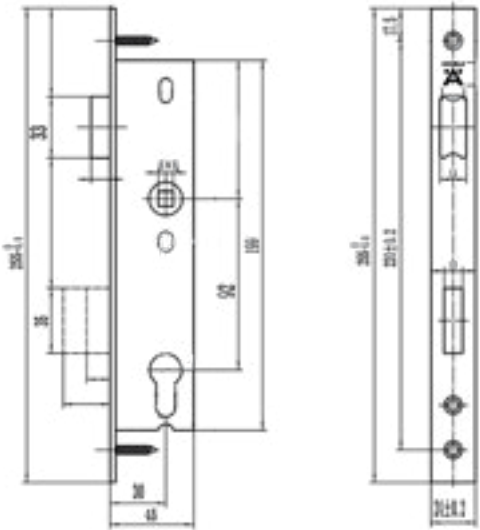
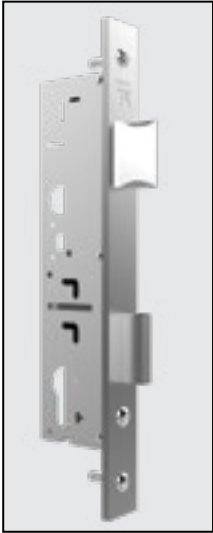


### Specification

- Finish: SS Matt
- Material: SS Grade 304
- Application: For glass and wooden door with back to back fixing

Centre to Centre (C/C)	Grip(ø)	Article No.
400 mm	25 mm	903.05.740
		903.08.690

Narrow Mortise Sash Lock



Lock body side-viewForend

Technical Data

Lock Body Size	Follower	Backset	C/C Distance	Article No
45 mm x 199 mm	8 x 8 mm	30 mm	92 mm	911.77.292

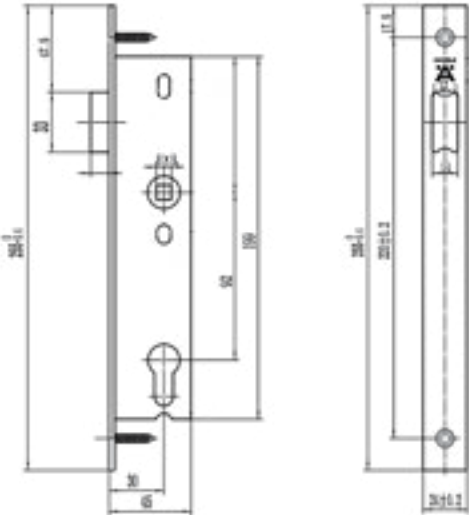
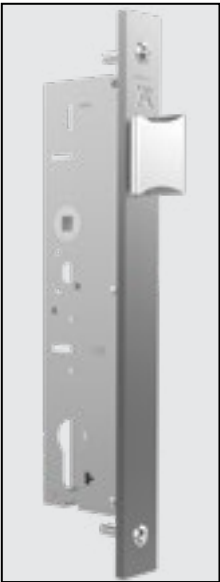
Forend Data

Forend Width	24 mm
Forend Length	255 mm
Forend Finish	SS Matt

Deadbolt Data

Deadbolt Throw	Double Throw
Material	SS Grade 304

Narrow Mortise Latch Lock



Lock body side-viewForend

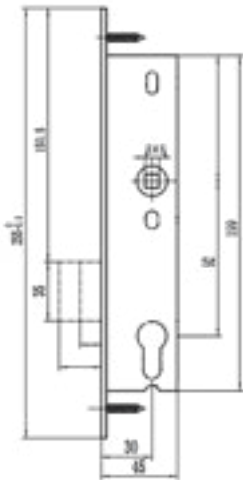
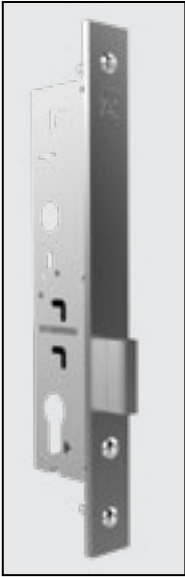
Technical Data

Lock Body Size	Follower	Backset	C/C Distance	Article No
45 mm x 199 mm	8 x 8 mm	30 mm	92 mm	911.77.293

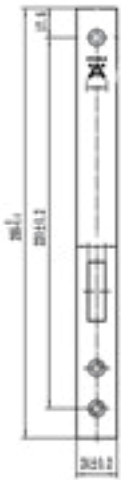
Forend Data

Forend Width	24 mm
Forend Length	255 mm
Forend Finish	SS Matt

Narrow Mortise Dead Lock



Lock body side-view



Forend

Technical Data

Lock Body Size	Follower	Backset	C/C Distance	Article No
45 mm x 199 mm	8 x 8 mm	30 mm	92 mm	911.77.294

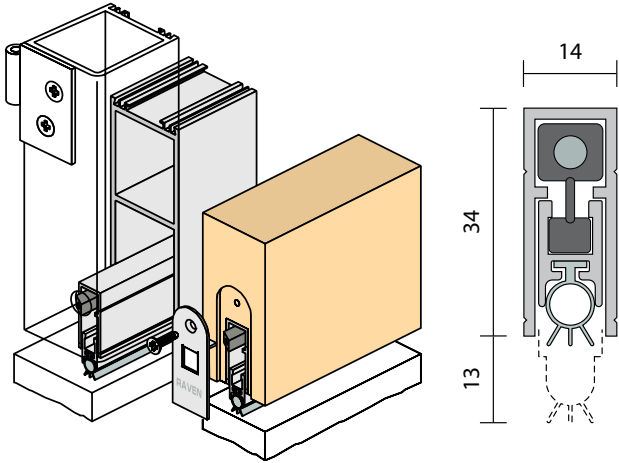
Forend Data

Forend Width	24 mm
Forend Length	255 mm
Forend Finish	SS Matt

Deadbolt Data

Deadbolt Throw	Double Throw
Material	SS Grade 304

Automatic Door Bottom Seal - Concealed Seal For Swing Doors



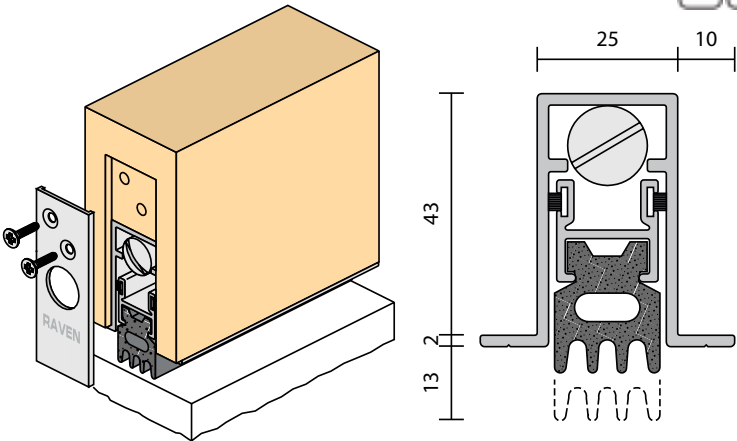
Gap Coverage: 3mm (min) – 13mm (max)

Specification

- Finish: Satin Aluminium (durable anodised finish)
- Seal material: Silicon Rubber (self extinguishing)
- Approvals: Acoustic, Fire & Smoke, Energy FRL & FRR -/240/60 and FD240
- **Testing cycle: 1,000,000 cycles**
- Application: Fully Mortised on single and double butt hinged door
- Withstands temperatures as high as 200°C
- Ideal for residential and light commercial applications
- Globally certified product

Seal Size	Cut to Size (Max. Width)	Article No
600 mm	380 mm	950.06.305
820 mm	600 mm	950.06.304
920 mm	820 mm	950.06.301
1070 mm	920 mm	950.06.302
1220 mm	1070 mm	950.06.303

Reversible Acoustic Door Bottom Seal - Fully Mortise Reversible Seal



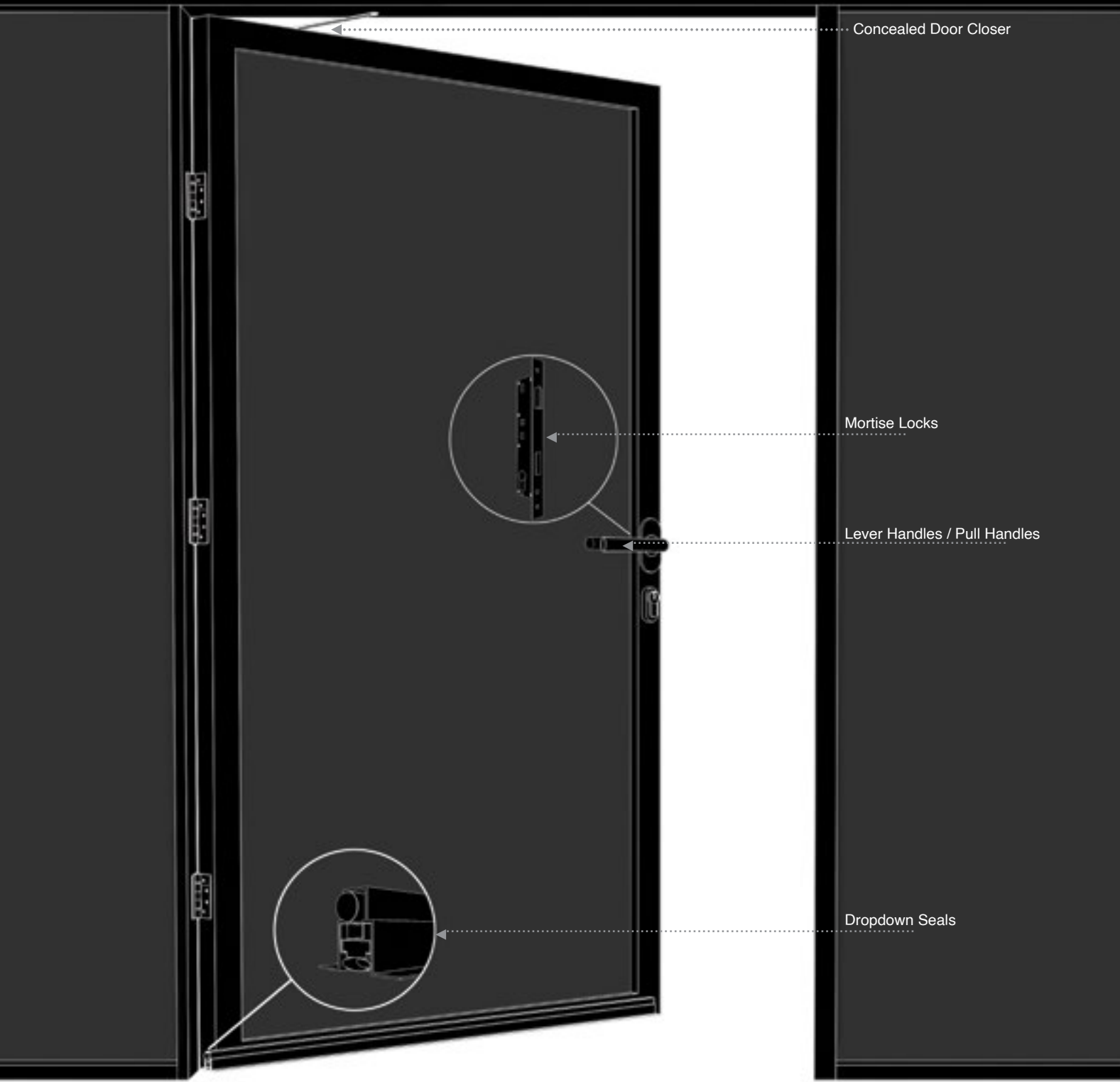
Gap Coverage: 3mm (min) – 13mm (max)

Specification

- Finish: Satin clear (durable anodised finish)
- Seal material: Silicon Rubber and Aluminium (self extinguishing)
- Approvals: Acoustic, Fire & Smoke, Energy FRL & FRR -/240/60 and FD240
- **Testing cycle: 1,000,000 cycles**
- Application: Fully Mortised on single and double butt hinged door, minimum door thickness 45 mm
- Silicon rubber withstands temperatures as high as 200°C. Aircraft quality aluminium
- Ideal for butt hinged doors with large gaps, where internal access ramps are used and large clearances are necessary
- Globally certified product

Seal Size	Cut to Size (Max. Width)	Article No
920 mm	610 mm	950.49.701
1070 mm	920 mm	950.49.702

70 MM PROFILE DOORS



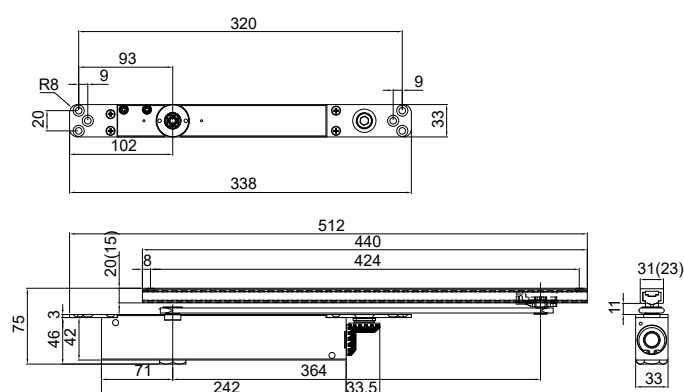
## DCL 35 CAM EFFICIENT DOOR CLOSER WITH TRACK ARM



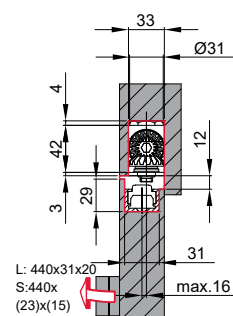
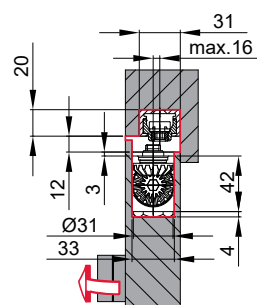
- Versions: Non hold open (931.46.069)  
With hold open (931.46.239)
- Max. Door Width: 1100 mm
- Door Weight: Up to 80 Kg
- Door Thickness: Min. 40 mm
- Max. Opening Angle: 120°
- Hold Open Angle: Adjustable
- EN Size: 2 - 4 (adjustable)
- Adjustments: Closing and latching speed
- Finish: Anodized Aluminium
- Mounting: Concealed, For DIN left hand and DIN right hand use



### Technical Specification

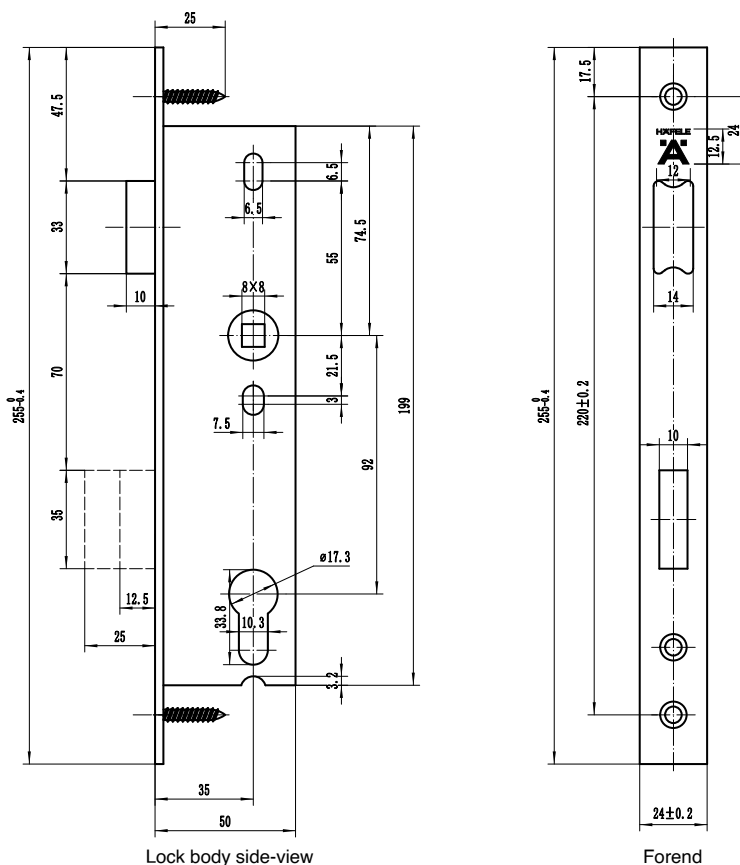
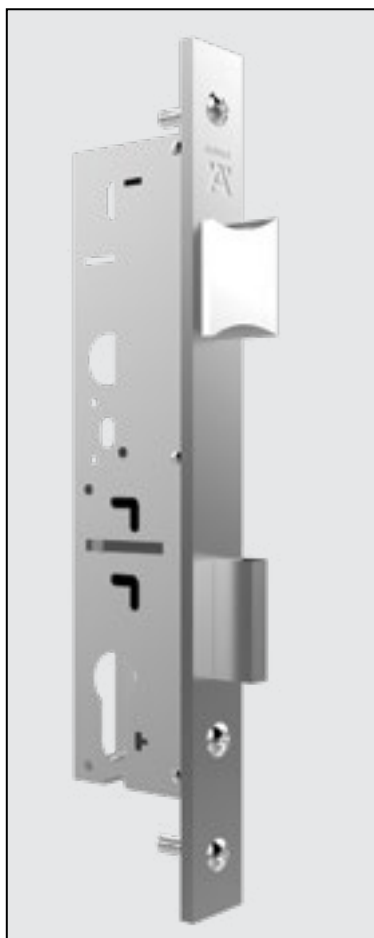


- Components
- > Track arm
  - > Hold open device



**Note:** Surface mounted door closers DCL 87, 88 and 89 shown for 60 mm profile doors can be used for 70 mm profile doors as well.

2 (1-3) H (A-3) 4 (1-6) 0 (D-1) 0 (E) E (A-2) 4 (1-7) 8 (A-7) 0 (A-7) 2 (D-4) 0 (D-A-4)

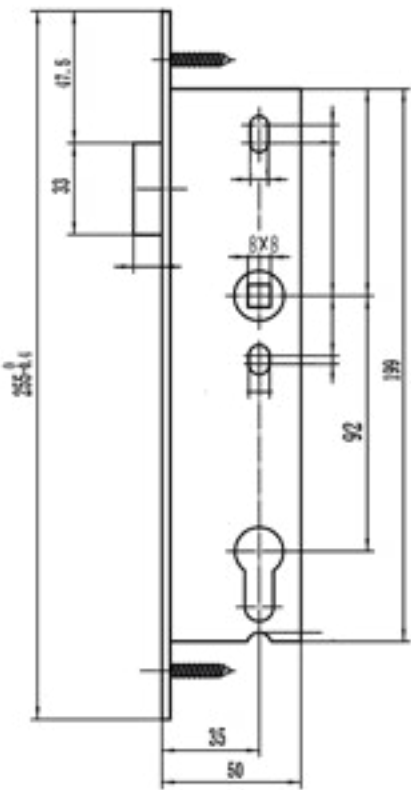


Lock Body Size	Follower	Backset	C/C Distance	Deadbolt Throw	Article No
50 mm x 199 mm	8 x 8 mm	35 mm	92 mm	Double Throw	911.77.296

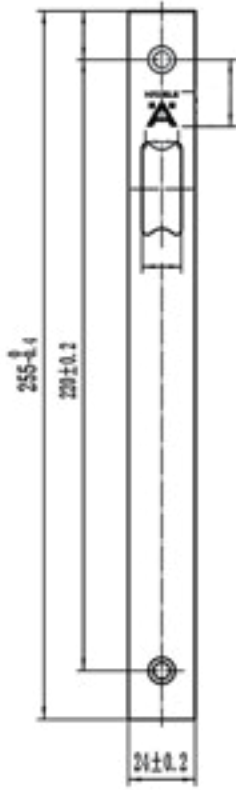
Forend Width	50 mm
Forend Length	255 mm
Forend Finish	SS Matt

Deadbolt Throw	Double Throw
Material	SS Grade 304

Narrow Mortise Latch Lock



Lock body side-view



Forend

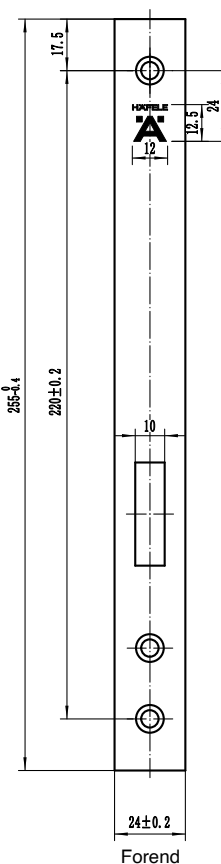
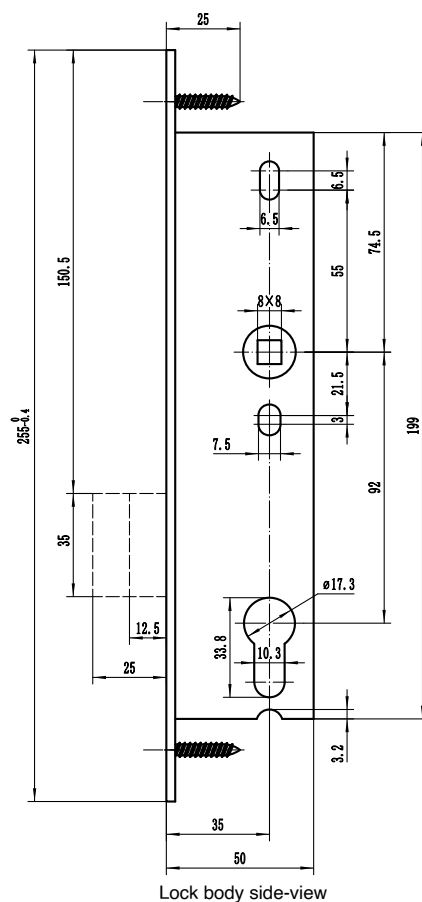
Technical Data

Lock Body Size	Follower	Backset	C/C Distance	Article No
50 mm x 199 mm	8 x 8 mm	35 mm	92 mm	911.77.297

Forend Data

Forend Width	50 mm
Forend Length	255 mm
Forend Finish	SS Matt

## Narrow Mortise Dead Lock



### Technical Data

Lock Body Size	Follower	Backset	C/C Distance	Deadbolt Throw	Article No
50 mm x 199 mm	8 x 8 mm	35 mm	92 mm	Double Throw	911.77.298

### Forend Data

Forend Width	50 mm
Forend Length	255 mm
Forend Finish	SS Matt

### Deadbolt Data

Deadbolt Throw	Double Throw
Material	SS Grade 304

**Note:** Lever Handles, Pull Handles and Dropdown Seals shown for 60 mm profile doors can be used for 70 mm profile doors as well, these sections remain common.

## Frameless Glass Doors



### Surface Mounted Door Closer

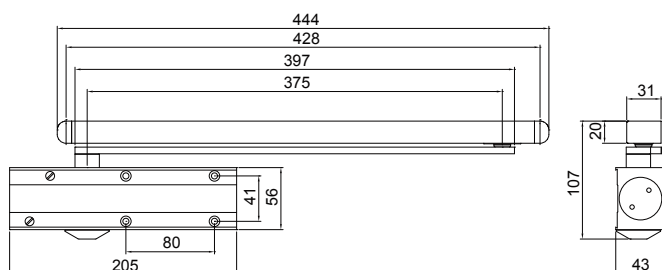


#### DCL 87 CAM EFFICIENT DOOR CLOSER

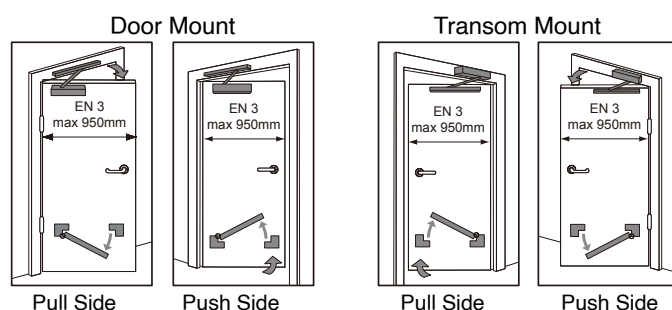
- Versions: Non hold open (931.46.009)  
With hold open (931.46.179)
- Max. Door Width: 950 mm
- Door Weight: Up to 60 kg
- Max. Opening Angle: 180°
- Hold Open Angle: Adjustable
- EN Size: 3
- Adjustments: Closing and latching speed
- Finish: Anodized Aluminium
- Mounting: Surface, For DIN left hand and DIN right hand use



#### Technical Specification



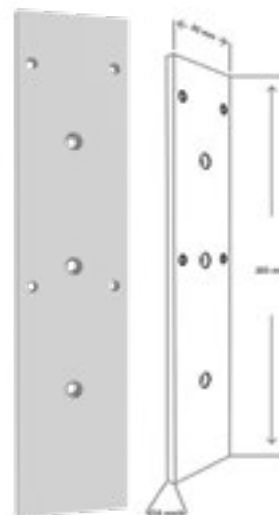
#### Installation



#### Saddle Plate For DCL - 87



#### Patch Plate For DCL - 87



Glass Door Thickness (mm)	Material	Finish	Dimension (mm)	Article No.
8 -12	Aluminium	Anodized Aluminium	204 (W) x 55 (H) x 8 (T)	931.35.001

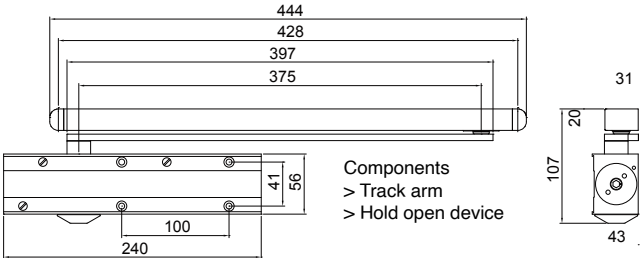
Plate Thickness (mm)	Material	Finish	Dimension (mm)	Article No.
10	Aluminium	Anodized Aluminium	204(W) x 55 (H) x 10 (T)	931.35.000

DCL 88 CAM EFFICIENT DOOR CLOSER

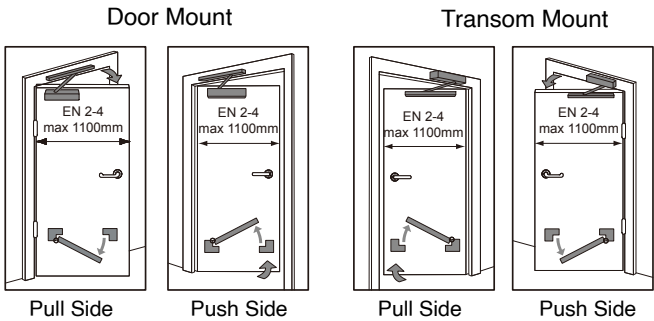
- Versions: Non hold open (931.46.029)  
With hold open (931.46.199)
- Max. Door Width: 1100 mm
- Door Weight: Up to 80 kg
- Max. Opening Angle: 180°
- Hold Open Angle: Adjustable
- EN Size: 2-4 (adjustable)
- Adjustments: Closing and latching speed with back check
- Finish: Anodized Aluminium
- Mounting: Surface, For DIN left hand and DIN right hand use



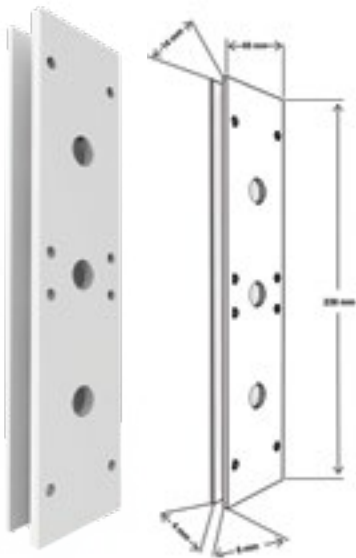
Technical Specification



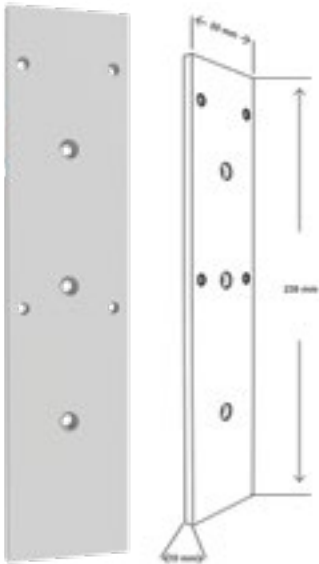
Installation



Saddle Plate For DCL - 88



Patch Plate For DCL -88



Glass Door Thickness (mm)	Material	Finish	Dimension (mm)	Article No.
8 -12 mm	Aluminium	Anodized Aluminium	239 (W) x 55 (H) x 8 (T)	931.35.003

Plate Thickness (mm)	Material	Finish	Dimension (mm)	Article No.
10	Aluminium	Anodized Aluminium	239(W) x 55(H) x 10(T)	931.35.002

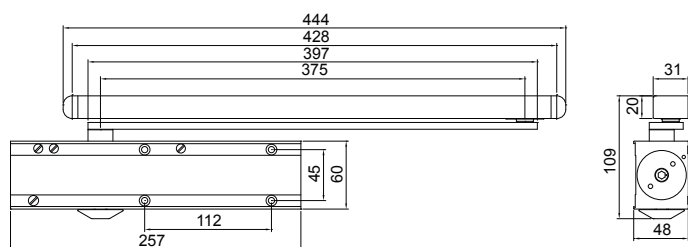
### DCL 89 CAM EFFICIENT DOOR CLOSER



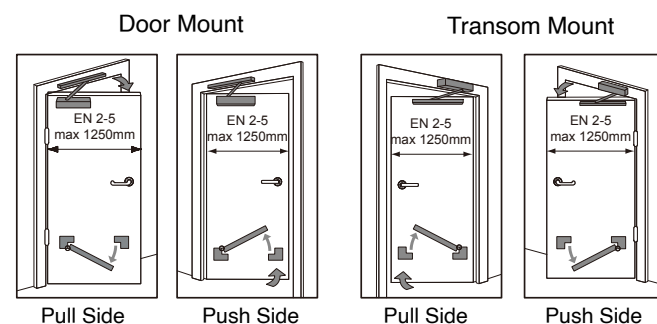
- Versions: Non hold open (931.46.049)  
With hold open (931.46.219)
- Max. Door Width: 1250 mm
- Door Weight: Up to 100 kg
- Max. Opening Angle: 180°
- Hold Open Angle: Adjustable
- EN Size: 2-5
- Adjustments: Closing and latching speed with back check
- Finish: Anodized Aluminium
- Mounting: Surface, For DIN left hand and DIN right hand use



### Technical Specification



### Installation



### Saddle Plate For DCL - 89



### Patch Plate For DCL -89



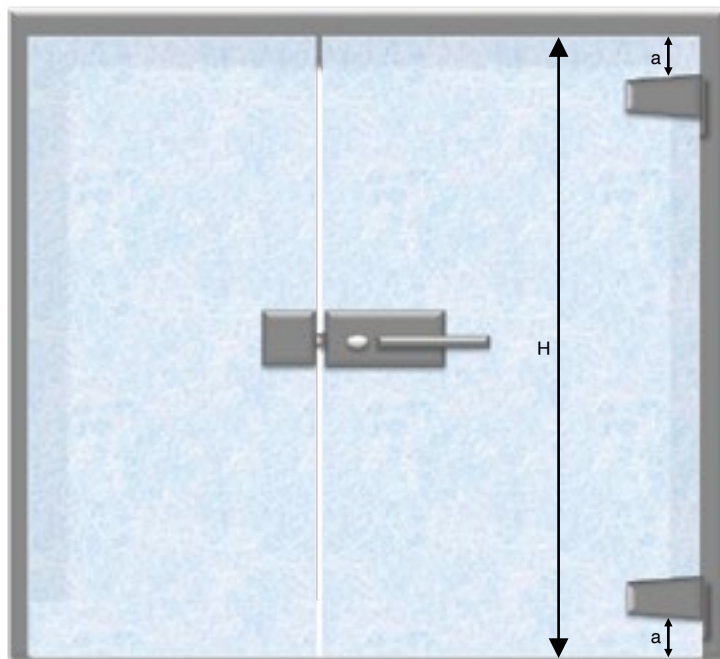
Glass Thickness (mm)	Material	Finish	Dimension (mm)	Article No.
8 -12	Aluminium	Anodized Aluminium	255 (W) x 60 (H) x 8 (T)	931.35.005

Plate Thickness (mm)	Material	Finish	Dimension (mm)	Article No.
10	Aluminium	Anodized Aluminium	255 (W) x 60 (H) x 10 (T)	931.35.004

## Glass Door Hinges & Locks

### Mounting of hinges

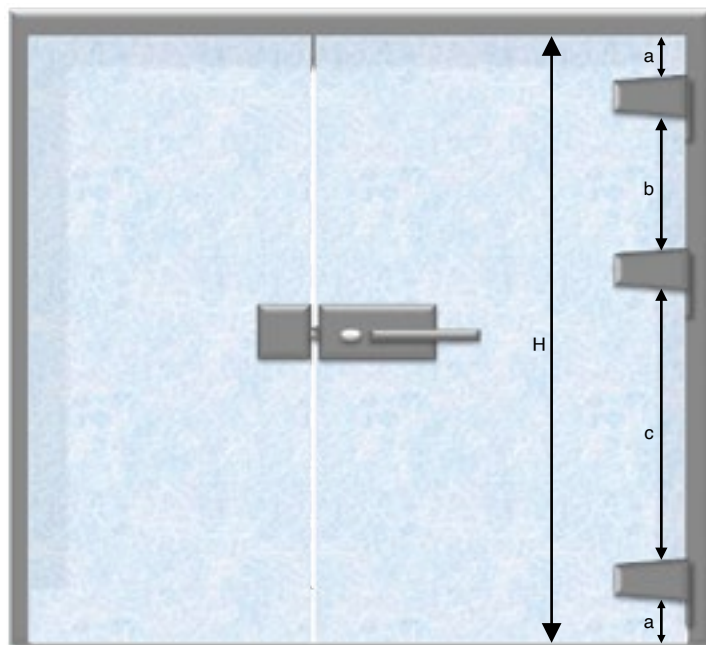
Two Hinge Application: For door height up to 2.5 m and door weight up to 60 kgs



H: Height of the door = up to 2500 mm (2.5 m)

a: Distance from top and bottom = 200 mm

Three Hinge Application: For door height up to 3 m and door weight up to 90 kgs



H: Height of the door = up to 3000 mm (3 m)

a: Distance from top and bottom = 200 mm

b: Distance between top and middle hinge =  $(H - 400)/3$

c: Distance between middle and bottom hinge =  $(H - 400)*2/3$

#### Example

If the door height (H) = 2920mm, then:

b =  $(2920 - 400)/3 = 840$  mm

c =  $(2920 - 400)*2/3 = 1680$  mm

## Linear Series

### Hinges

- Material: Stainless Steel Grade 304/Aluminium
- Finish: Stainless Steel Matt / Aluminium

### Glass Specifications

- Thickness: 8 to 12 mm
- Weight (2 hinges): (min) 30kg – (max) 60kg
- Weight (3 hinges): (min) 30kg – (max) 90kg
- Height (2 hinges): (max) 2500 mm
- Height (3 hinges): (max) 3000 mm
- Width (2 or 3 hinges): (min) 600 mm – (max) 1000 mm

### Lock and Strike Patch

- Material: Stainless Steel Grade 304/Aluminium
- Casting: Zinc Alloy
- Finish: Stainless Steel Matt / Aluminium
- Latching function: Yes
- Deadbolt: No
- Cylinder: Computerized
- No. of Keys: 5

### Glass Specifications

- Thickness: 8 to 12 mm



981.75.020  
SS Matt



981.78.400  
Aluminium



981.50.170  
SS Matt



981.50.175  
SS Matt

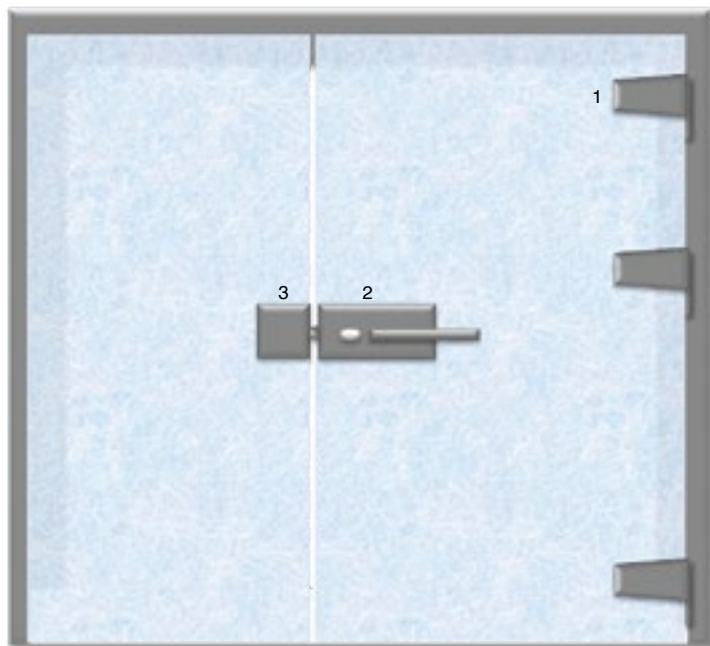


981.78.402  
Aluminium



981.78.404  
Aluminium

## Glass To Glass Application



1



Hinge x 2 or 3 (SS Matt)  
981.75.020

OR



981.78.400 (Aluminium)

+

2



Lock x 1 (SS Matt)  
981.50.170

OR



Lock x 1 (Aluminium)  
981.78.402

+

3



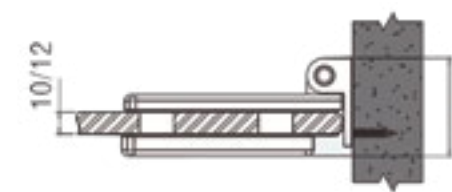
Strike Patch x 1 (SS Matt)  
981.50.175

OR

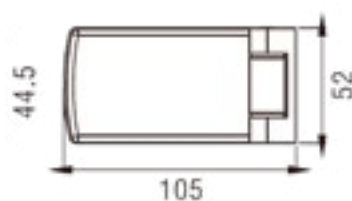


Strike Patch x 1 (Aluminium)  
981.78.404

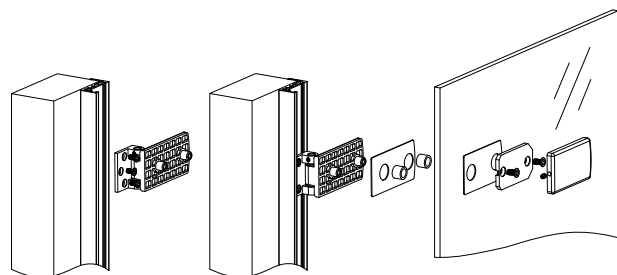
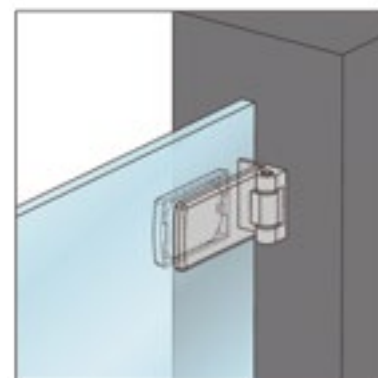
**Hinge (981.75.020/ 981.78.400)**



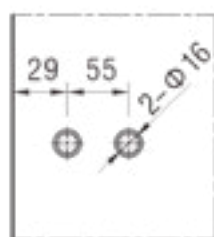
Mounting



Hinge Dimensions

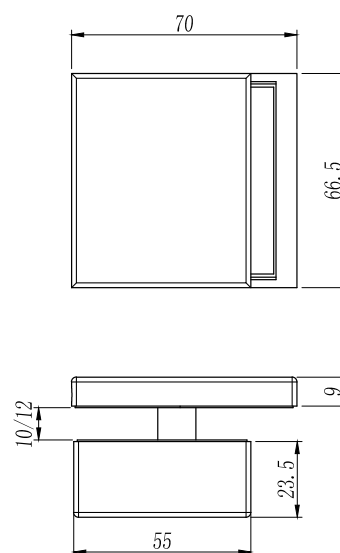
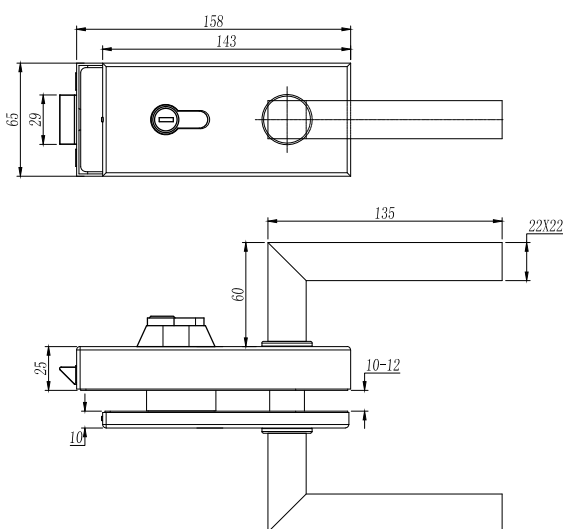


Installation

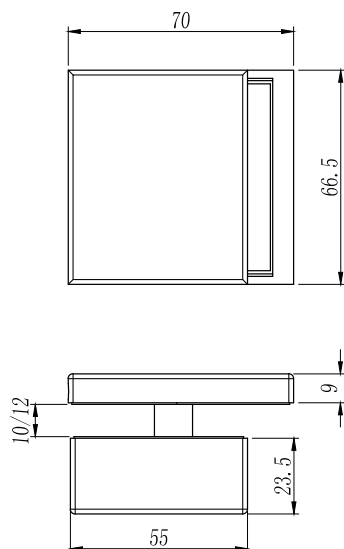
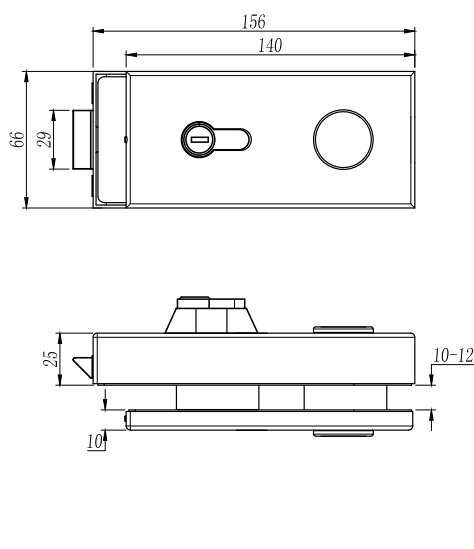


Glass Cut-out

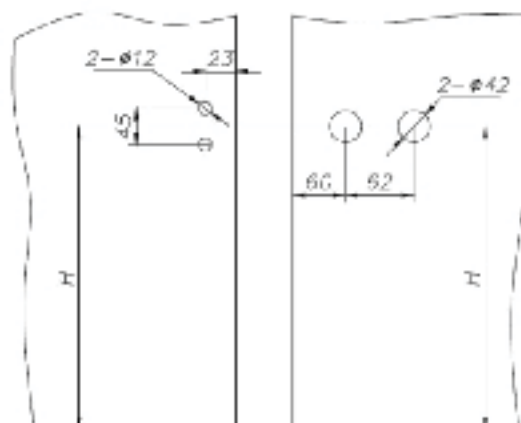
**Lock (981.50.170) & Strike Patch (981.50.175)**



**Lock (981.78.402) & Strike Patch (981.78.404)**



**Cut- Out Details**



## Arc Series

### Hinges

- Material: Stainless Steel Grade 304/Aluminium
- Finish: Stainless Steel Matt / Aluminium

### Glass Specifications

- Thickness: 8 to 12 mm
- Weight (2 hinges): (min) 30kg – (max) 60kg
- Weight (3 hinges): (min) 30kg – (max) 90kg
- Height (2 hinges): (max) 2500 mm
- Height (3 hinges): (max) 3000 mm
- Width (2 or 3 hinges): (min) 600 mm – (max) 1000 mm

### Lock and Strike Patch

- Material: Stainless Steel Grade 304/Aluminium
- Casting: Zinc Alloy
- Finish: Stainless Steel Matt / Aluminium
- Latching function: Yes
- Deadbolt: No
- Cylinder: Computerized
- No. of Keys: 5

### Glass Specifications

- Thickness: 8 to 12 mm



981.75.010  
SS Matt



981.78.401  
Aluminium



981.50.171  
SS Matt



981.50.176  
SS Matt

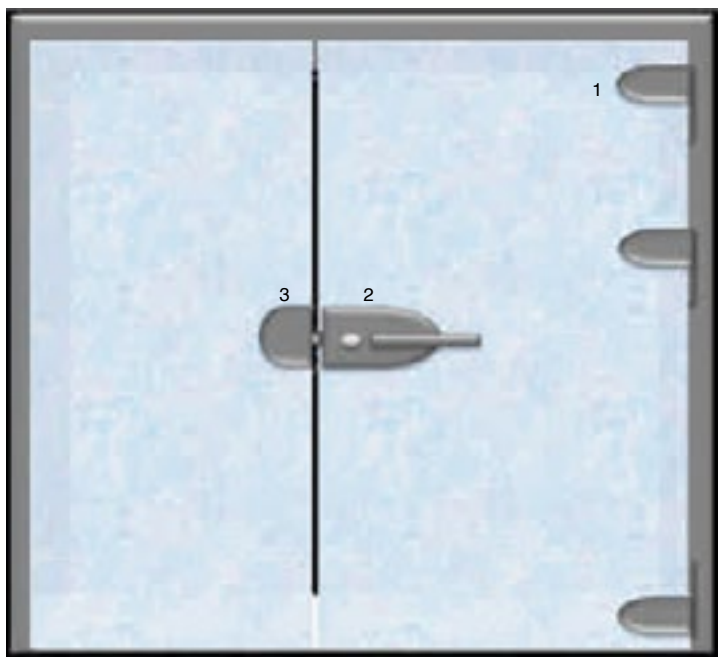


981.78.406  
Aluminium



981.78.409  
Aluminium

## Glass To Glass Application



1



Hinge x 2 or 3 (SS Matt)  
981.75.010

OR



981.78.401 (Aluminium)

+

2



Lock x 1 (SS Matt)  
981.50.171

OR



Lock x 1 (Aluminium)  
981.78.406

+

3



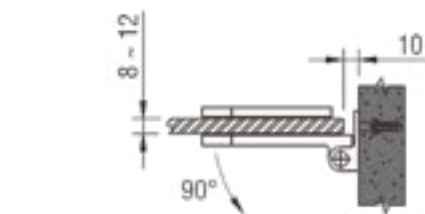
Strike Patch x 1 (SS Matt)  
981.50.176

OR

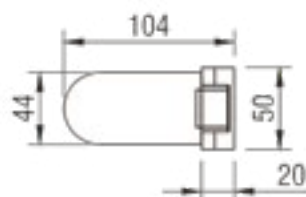


Strike Patch x 1 (Aluminium)  
981.78.409

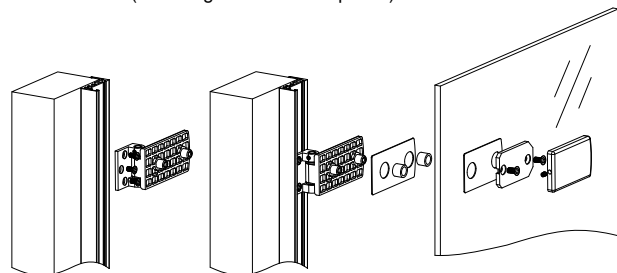
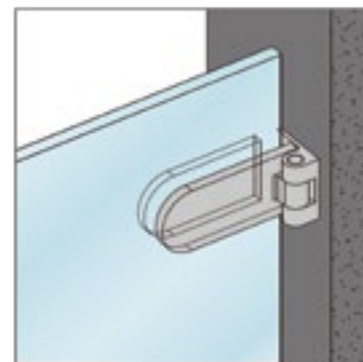
## Hinge (981.75.010/981.78.401)



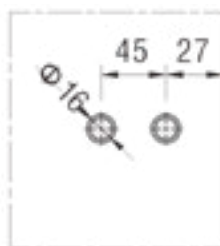
Inset Application  
(Mounting into the frame/profile)



Hinge Dimensions

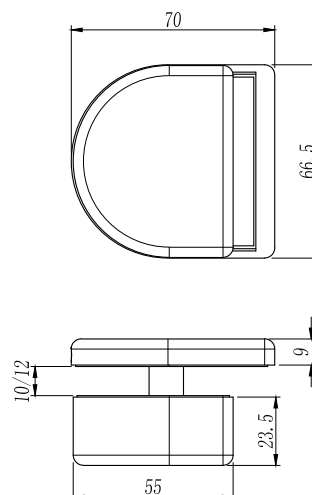
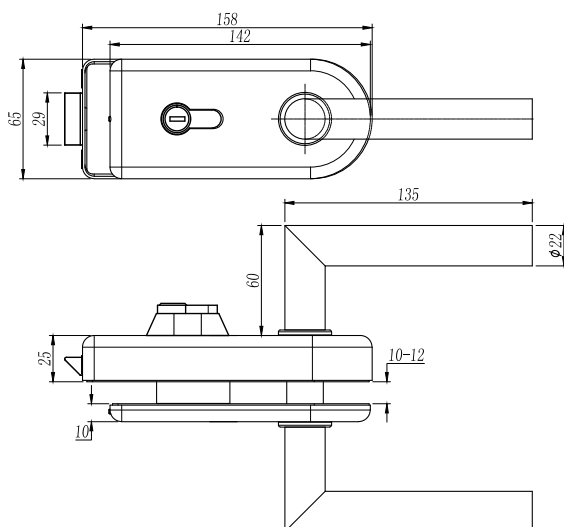


Installation

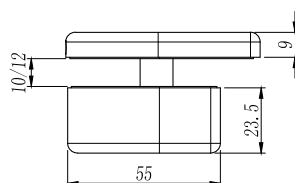
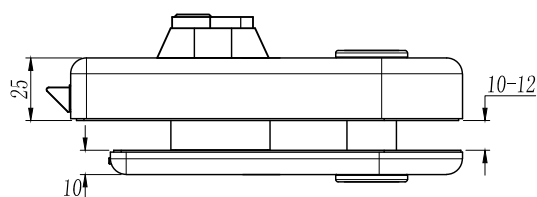
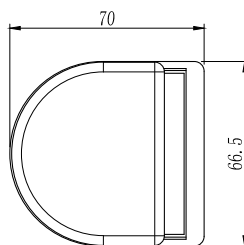
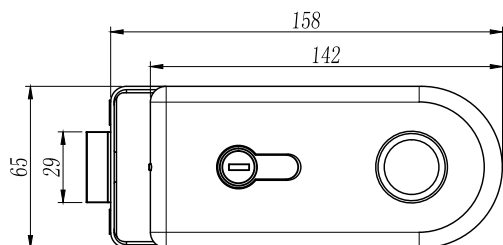


Glass Cut-out

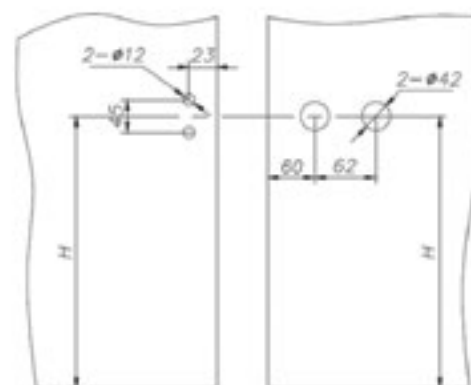
## Lock (981.50.171) & Strike Patch (981.50.176)



## Lock (981.78.406) & Strike Patch (981.78.409)

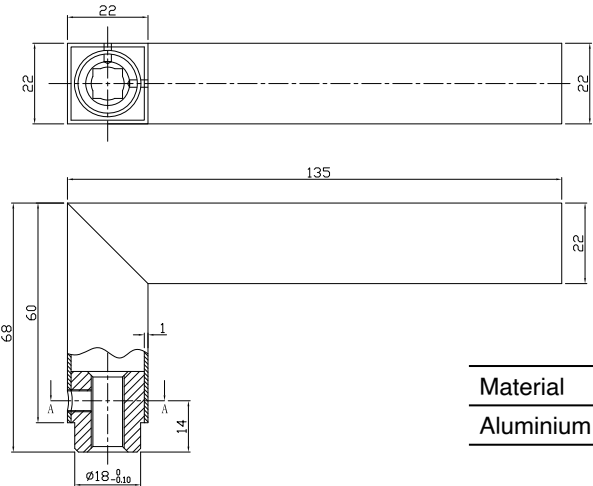
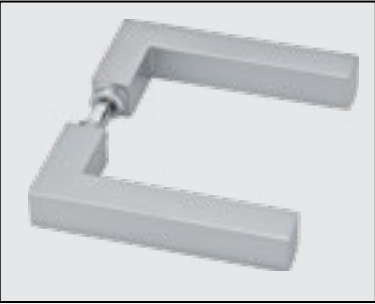


## Cut- Out Details



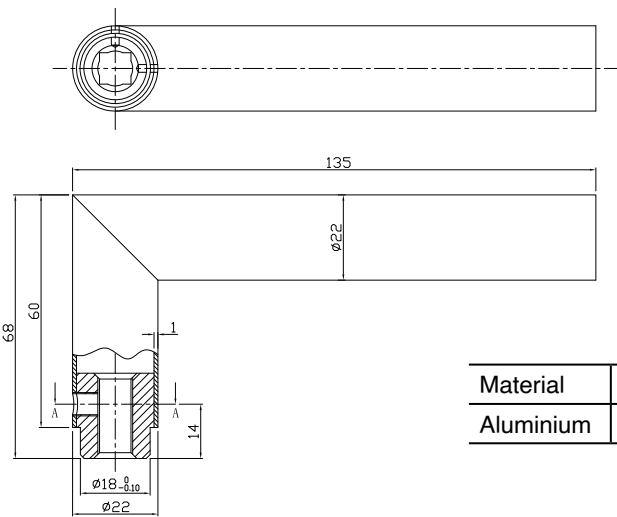
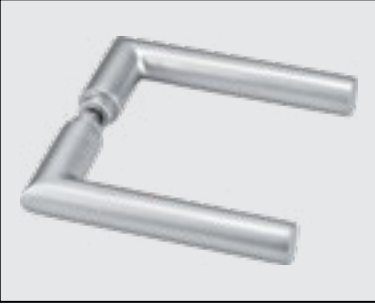
Lever Handles (Hollow / Solid)

Square Glass Door Lock



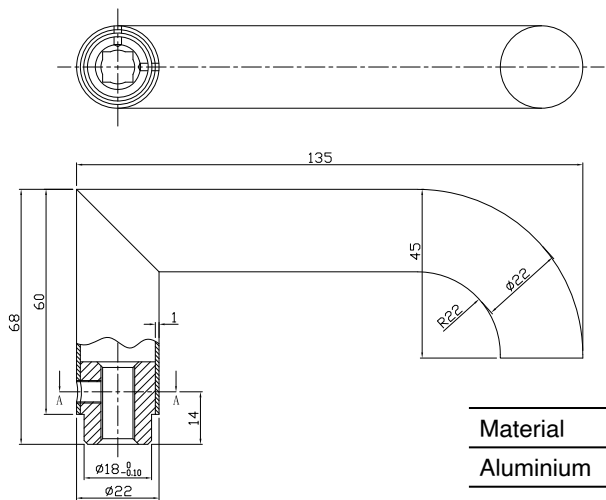
Material	Finish	Article Number
Aluminium	Aluminium	981.78.403

L Round Lever Handle Pair for Glass Lock



Material	Finish	Article Number
Aluminium	Aluminium	981.78.407

D Round Lever Handle Pair for Glass Lock



Material	Finish	Article Number
Aluminium	Aluminium	981.78.408

**Note:** For the new range of aluminium locks the lever handles have to be ordered separately as per customer's preference. These handles are compatible with article numbers 981.78.404 / 981.78.402 and 981.78.409 / 981.78.406 respectively.



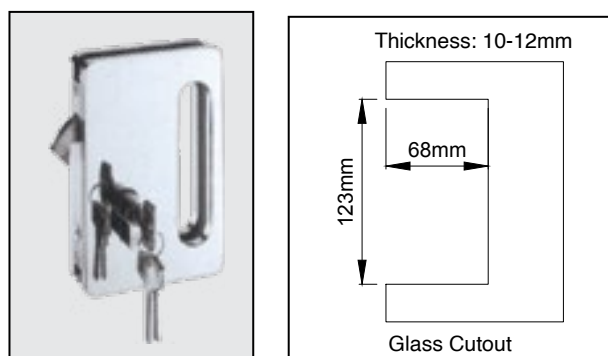
## Locks & Seals



## Sliding Locks

### Sliding Door Lock Suitable for 10 or 12mm Glass

Base Material: Brass

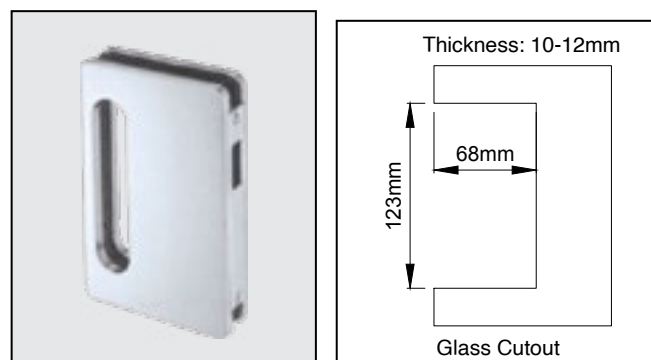


Finish	Article No.
Chrome Polished	911.26.202*
Nickel Matt	911.26.206*

\*Special Order

### Strike Box for Double Door Suitable for 10, 12mm Glass

Base Material: Brass



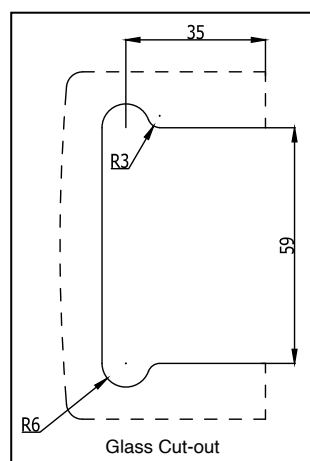
Finish	Article No.
Chrome Polished	911.26.212*
Nickel Matt	911.26.216*

\*Special Order

## Indicator Locks

### WC Indicator Lock for Single Glass Doors for 8 to 12mm Glass

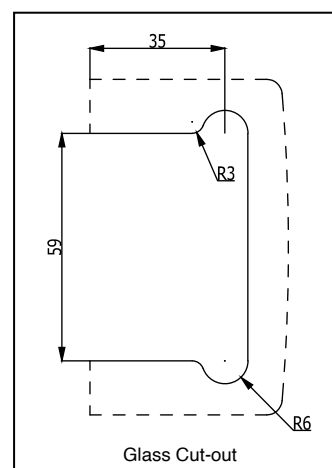
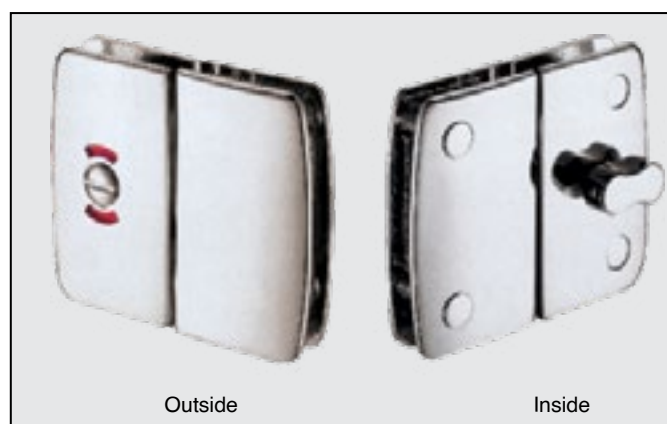
Base Material: Brass



Finish	Article No.
Chrome Polished	911.12.045
Satin Chrome Polished	911.12.046

### WC Indicator Lock for Double Glass Doors for 8 to 12mm Glass

Base Material: Brass



Finish	Article No.
Chrome Polished	911.12.047
Satin Chrome Polished	911.12.048

**Glass Locks Without Cutout**

**Indicator Lock Without Cut-Out on Glass for Single Door (8 to 10mm Glass)**

Base Material: Brass



Finish	Article No.
Chrome Polished	981.42.902
Satin Chrome Polished	981.42.906

**Indicator Lock Without Cut-Out on Glass for Double Door (8 to 10mm Glass)**

Base Material: Brass



Finish	Article No.
Chrome Polished	981.42.912
Nickel Matt	981.42.916

**Side Mounted Deadbolt Lock Without Cut-Out in Glass - simply clamps on Suitable for 10, 12mm Glass**



Finish	Article No.
Chrome Polished	981.07.320
Nickel Matt	981.07.321

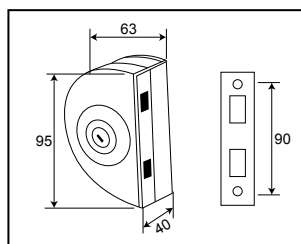
**Lock Keeper for 981.07.336/332 Series Lock Without Cut-Out in Glass - simply clamps on suitable for 10, 12mm Glass**



Finish	Article No.
Chrome Polished	981.07.336
Nickel Matt	981.07.332

**Curved latch lock**

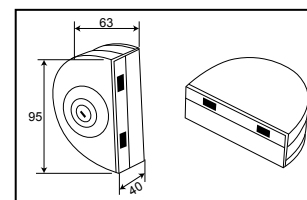
for both openable and sliding glass door, SS Matt



Finish	Article No.
SS Matt	981.52.540

**Curved latch lock with strike box**

for both openable and sliding glass door, locking with fixed glass, SS Matt



Finish	Article No.
SS Matt	981.52.550



# Glass Door Sliding Solutions

## ECHO Sliding Door System



A good shower that energizes you and makes you feel empowered to take on the world is supposed to be enjoyed in a shower cubicle befitting this sentiment. With the growing awareness of hygiene and desire to have separate wet and dry areas in the bathroom, shower enclosure that lets you carve out a few minutes of peace in your busy day.

Echo is a straight sliding system which offers you a shower enclosure where the sliding door is installed together with a fixed glass. With a cut-to-size track of up to 2 meters, the resulting cubicle can be a spacious or compact as desired according to space available to you. The whole system, made of Stainless

Steel 304 is sturdy and corrosion resistant promising system stability and durability. All the components of Echo are available in two finishes, the classic Stainless Steel Polished and the understated Stainless Steel Matt. A handle matching the finish of your choice is provided along with the Echo Shower Sliding Kit to bestow a uniform look across your shower cubicle. To enhance the overall aesthetics of your shower enclosure. Hafele also offers various shower and bathroom accessories in finished which will completely blend in/complement your Echo Sliding.

Complete set of fittings without track



Finish	Article No.
SS Polish	981.20.314
SS Matt	981.20.315

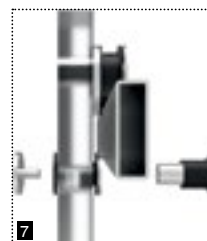
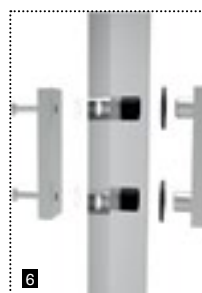
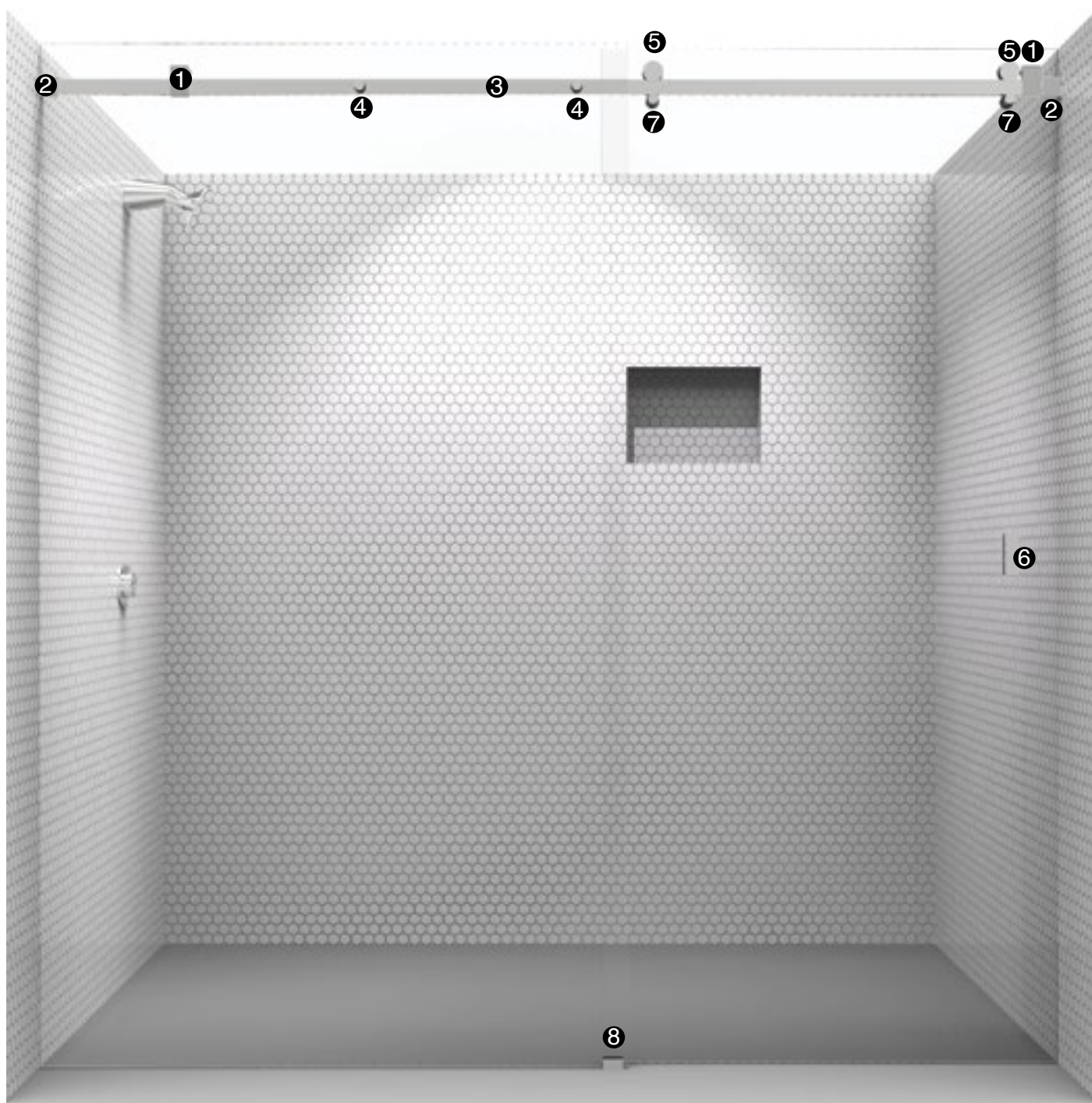
Track



Size	Finish	Article No.
30 x 2000mm	SS Polish	981.20.316
30 x 1600mm	SS Polish	981.20.317

Size	Finish	Article No.
30 x 2000mm	SS Matt	981.20.318
30 x 1600mm	SS Matt	981.20.319

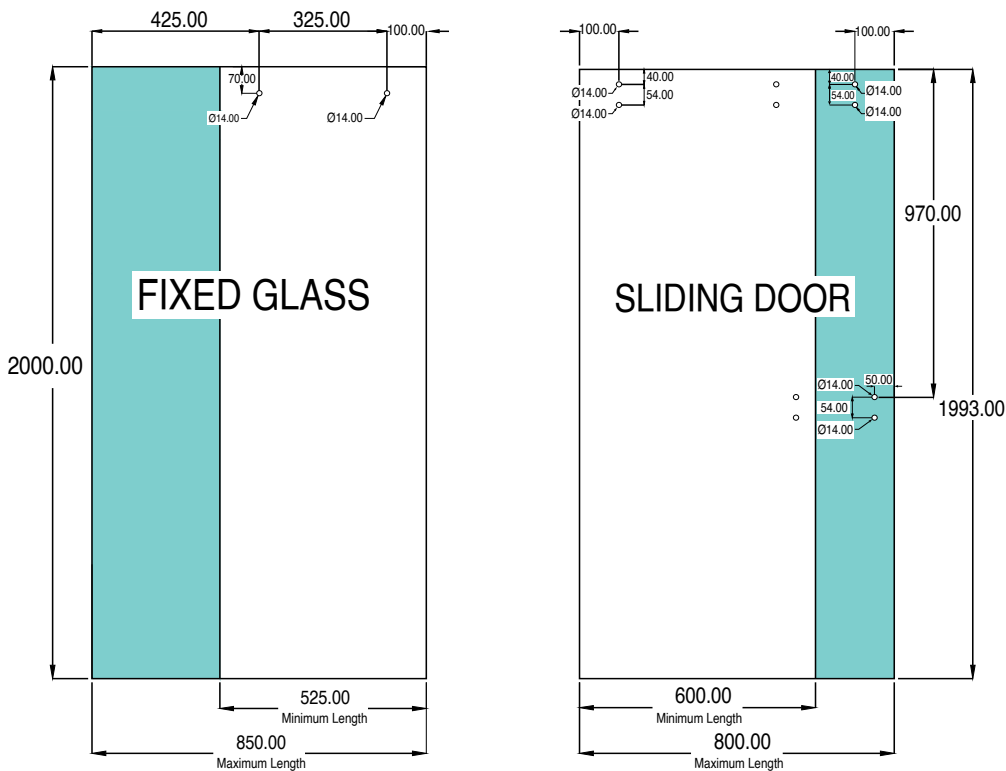
## Fixing Instruction Echo Sliding Door System



1. Install door stop on to track.
2. Install the wall supports. Ensure that the level on both the side is same.
3. Attach the square track onto the end support along with the end stopper.
4. Attach the track supports through the xed glass onto the track.
5. Attach the rollers and the ush handle onto the sliding door.
6. Hang the sliding door onto the track
7. Fix the anti de rail onto the sliding door below the track
8. Install the floor guide and tighten the stoppers as per requirement.

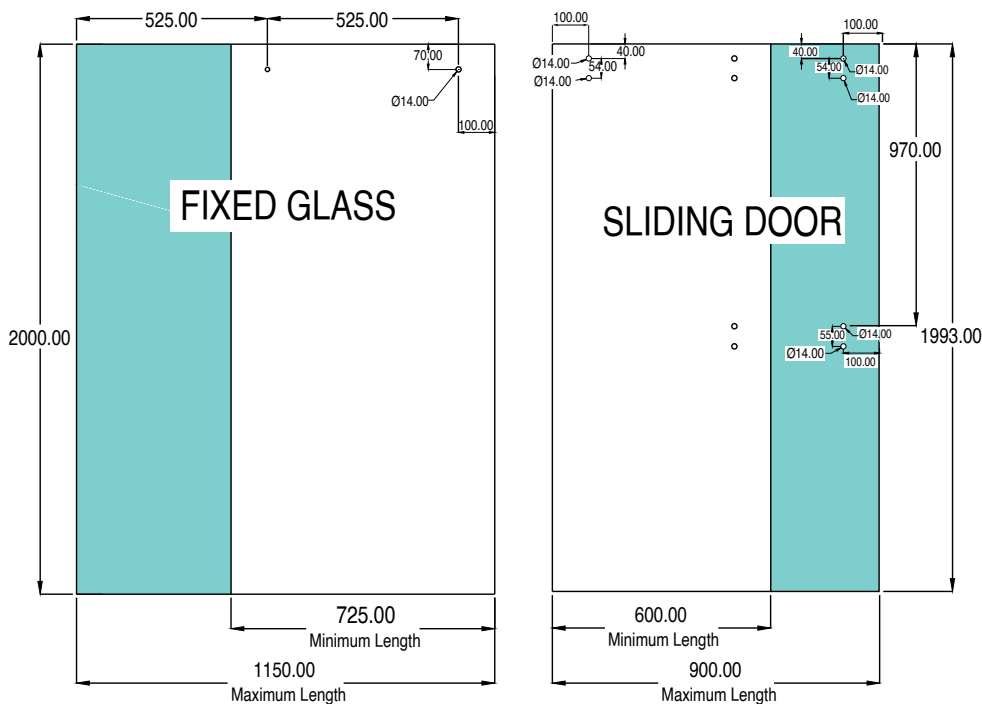
Glass Cutout Details 1.6 Meter Track

\* Cutout details not to scale



Glass Cutout Details 2 Meter Track

\* Cutout details not to scale



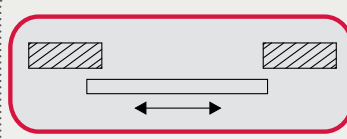
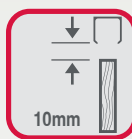
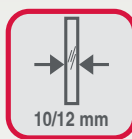
**Note:** The track has to be cut from the sliding end, as there is a pre drill on fixed side of the track.

## Ordering Information

Material Description	TYPE	QTY to be ordered	Article No.
Echo Shower Sliding System. 2 Rollers, 2 Anti De-rail, 2 Wall Supports, 2 Door Stop, 2 Track Supports, 1 Floor Guide & 1 Slide Pull Handle, <b>SS Polished</b>	Main Product	1	<b>981.20.314</b>
<b>OR</b>			
Echo Shower Sliding System. 2 Rollers, 2 Anti De-rail, 2 Wall Supports, 2 Door Stop, 2 Track Supports, 1 Floor Guide & 1 Slide Pull Handle, <b>SS Matt</b>	Main Product	1	<b>981.20.315</b>
<b>Track</b>			
Echo Rectangular Track, 30 x 2000, <b>SS Polished</b>	Track	1	<b>981.20.316</b>
Echo Rectangular Track, 30 x 1600, <b>SS Polished</b>	Track	1	<b>981.20.317</b>
<b>OR</b>			
Echo Rectangular Track, 30 x 2000, <b>SS Matt</b>	Track	1	<b>981.20.318</b>
Echo Rectangular Track, 30 x 1600, <b>SS Matt</b>	Track	1	<b>981.20.319</b>
<b>Additional Articles to complete the installation</b>			
<b>Connectors</b>			
Wall to Glass or Floor to Glass Bracket/ Connector, 8-12 mm, SS Polished	For fixed glass	2	<b>981.20.231</b>
Wall to Glass L Bracket/ Connector, 8-12 mm, SS Polished	For fixed glass	2	<b>981.20.241</b>
<b>OR</b>			
Wall to Glass or Floor to Glass Bracket/ Connector, 8-12 mm, SS Matt	For fixed glass	2	<b>981.20.230</b>
Wall to Glass L Bracket/ Connector, 8-12 mm, SS Matt	For fixed glass	2	<b>981.20.240</b>
<b>Seals (to be ordered as per glass thickness used)</b>			
Weather Seal for 8mm Glass used between Door & Side Panel opp. Hinge End, Size 2400mm	For sliding door		<b>950.50.403</b>
Weather Seal for 10mm Glass used between Door & Side Panel opp. Hinge End, Size 2400mm	For sliding door		<b>950.50.404</b>
Weather Seal for 12mm Glass used between Door & Side Panel opp. Hinge End, Size 2400mm	For sliding door		<b>950.50.405</b>
Sliding Door Seal For Fixed Panel, 8mm, 2400mm	Gap between fixed glass and door		<b>950.50.406</b>
Sliding Door Seal For Fixed Panel, 10mm, 2400mm			<b>950.50.407</b>
Sliding Door Seal For Fixed Panel, 12mm, 2400mm			<b>950.50.408</b>
<b>Spares</b>			
Echo Roller Ø 40 x 24 mm, SS Polished	Spares		<b>981.20.300</b>
Echo Anti De Rail 25 x 24 mm, SS Polished	Spares		<b>981.20.301</b>
Echo Sliding Door Handle 25 x 80 mm, SS Polished	Spares		<b>981.20.302</b>
Echo Sliding Roller Stopper 14 x 58 x 34 mm, SS Polished	Spares		<b>981.20.303</b>
Echo Sliding Wall Support 18 x 50 mm, SS Polished	Spares		<b>981.20.304</b>
Echo Sliding Rectangular Floor Guide 20 x 21 x 40 mm, SS Polished	Spares		<b>981.20.305</b>
Echo Sliding Track Support 20 x 10 mm, SS Polished	Spares		<b>981.20.306</b>
Echo Roller Ø 40 x 24 mm, SS Matt	Spares		<b>981.20.307</b>
Echo Anti De Rail 25 x 24 mm, SS Matt	Spares		<b>981.20.308</b>
Echo Sliding Door Handle 25 x 80 mm, SS Matt	Spares		<b>981.20.309</b>
Echo Sliding Roller Stopper 14 x 58 x 34 mm, SS Matt	Spares		<b>981.20.310</b>
Echo Sliding Wall Support 18 x 50 mm, SS Matt	Spares		<b>981.20.311</b>
Echo Sliding Rectangular Floor Guide 20 x 21 x 40 mm, SS Matt	Spares		<b>981.20.312</b>
Echo Sliding Track Support 20 x 10 mm, SS Matt	Spares		<b>981.20.313</b>

## DESIGN ERGO 80

NEW



**Hardware Specification:**

- Ideal for dividers and internal doors
- An elegantly designed top quality system
- Concealed lower guide
- Rollers come with an elastic system for absorbing the irregularities of profile (If any)
- High quality Zamak aluminium body
- Proven smooth and silent rolling, thanks to our special anti dust ball bearing system
- Rollers for long lasting rolling durability

**Glass Clamp Specification:**




- Material: SS304
- Finish: SS polish
- Glass thickness: 10/12 mm
- Adjustable plastic bottom guide



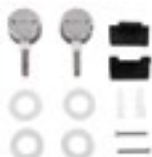

Article No.: 941.10.037

Sliding door kit consists of:

- 2 Rollers
- 1 Bottom Guide
- 2 Adjustable Stoppers and other fittings
- 2 Glass Clamps
- 4 Seals

	Product Name		Article No.
	Aluminium anodized top track (Note: Track to be ordered separately)	2100 mm	409.50.602
	Aluminium anodized top track (Note: Track to be ordered separately)	3000 mm	941.27.432

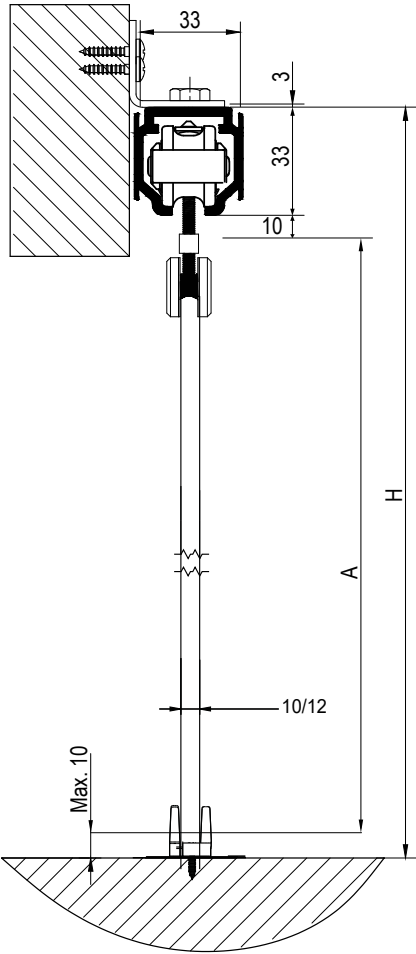
**OPTIONAL**

	Product Name	Thickness	Article No.
	Ergo sliding patch- 22 mm diameter Finish: SS Polished, SS 304		941.10.101
	Wall mounting bracket	3 mm	940.66.060

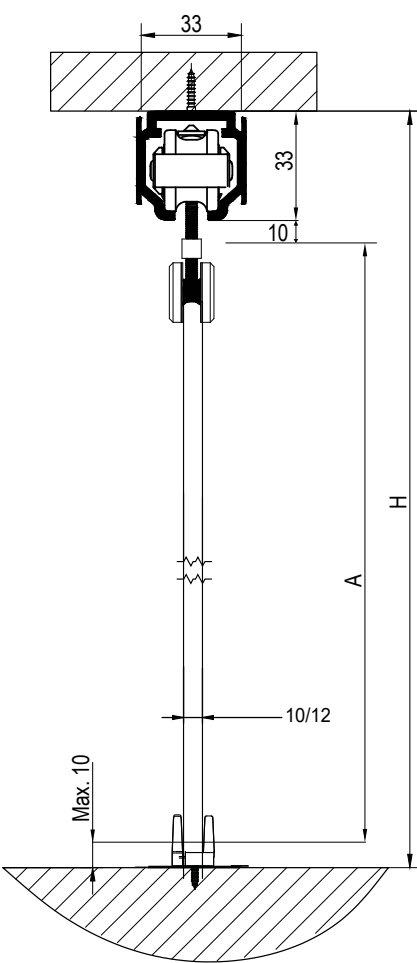
Technical Specifications

Section View:

Wall Mounted

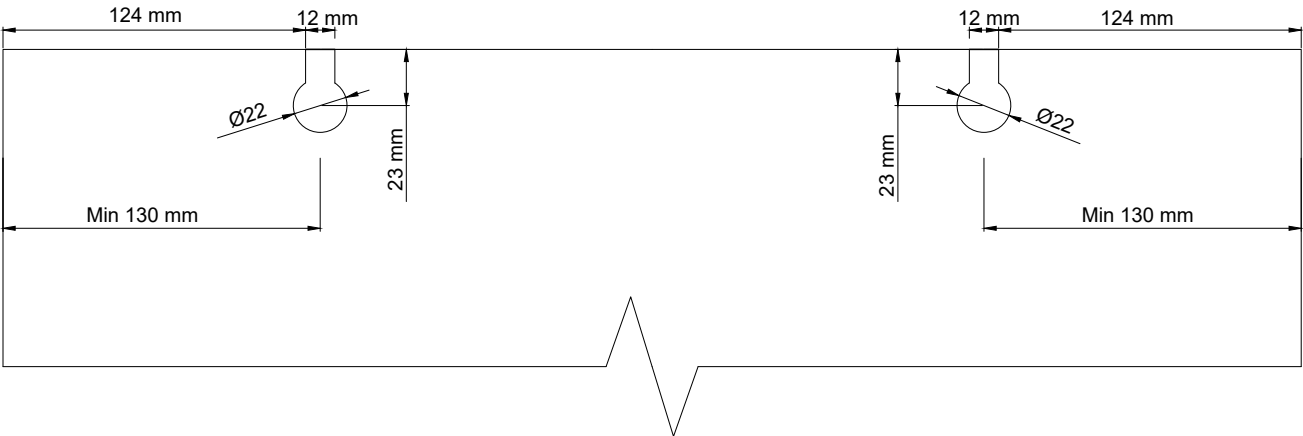


Ceiling Mounted

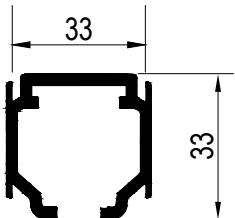


$A = H - 53$

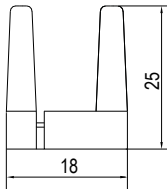
Cut-out Dimensions:



Track Dimension:

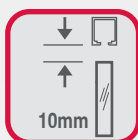
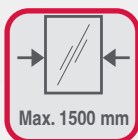


Bottom Guide Cross Section:



## DESIGN ERGO 120

NEW



Straight sliding system for glass doors.



**Hardware Specification:**

- Solid rollers made of high quality Zamak one piece die casting
- Ground shielded ball bearing for silent sliding
- Wheel made up of Delrin, special anti wear compound
- High tech hanger made of high quality Zamak alloy with solid structure and discrete design
- Adjustable bottom guide for perfect alignment of the door run

**Glass Clamp Specification:**



- Material: SS304
- Finish: SS polish
- Glass thickness: 10/12 mm
- Adjustable plastic bottom guide




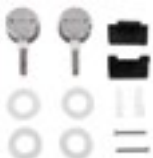
Article No.: 941.10.038

Sliding door kit consists of:

- 2 Rollers
- 1 Bottom Guide
- 2 Adjustable Stoppers and other fittings
- 2 Glass Clamp
- 4 Seal

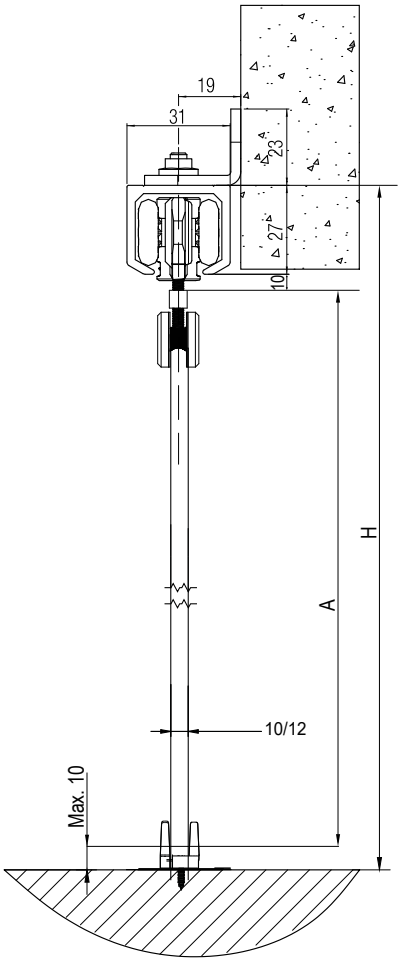
	Product Name		Article No.
	Aluminium anodized top track (Note: Track to be ordered separately)	1524 mm	941.10.915
		1828 mm	941.10.918
		2134 mm	941.10.921
		2438 mm	941.10.924
		2743 mm	941.10.927
		3048 mm	941.10.930
		3657 mm	941.10.936

**OPTIONAL**

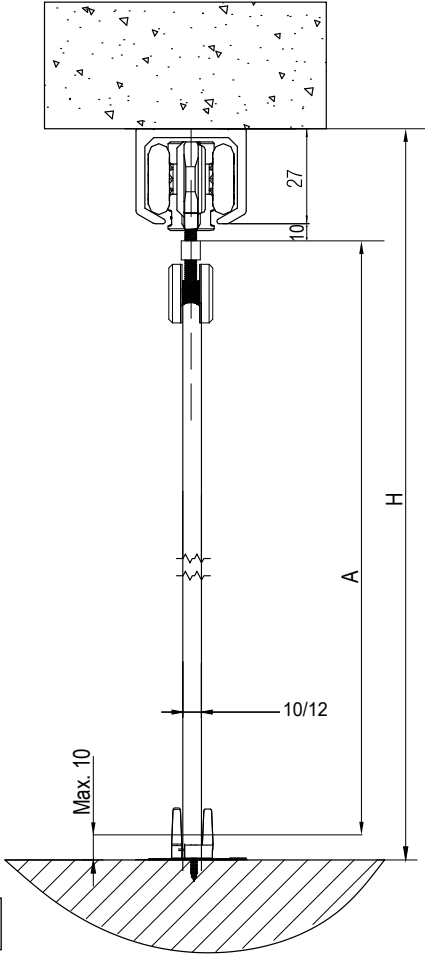
	Product Name	Thickness	Article No.
	Wall mounting bracket	3 mm	940.66.060
	Ergo sliding patch- 22 mm diameter Finish: SS Polished, SS 304		941.10.101

Technical Specifications

Section View:  
Wall Mounting

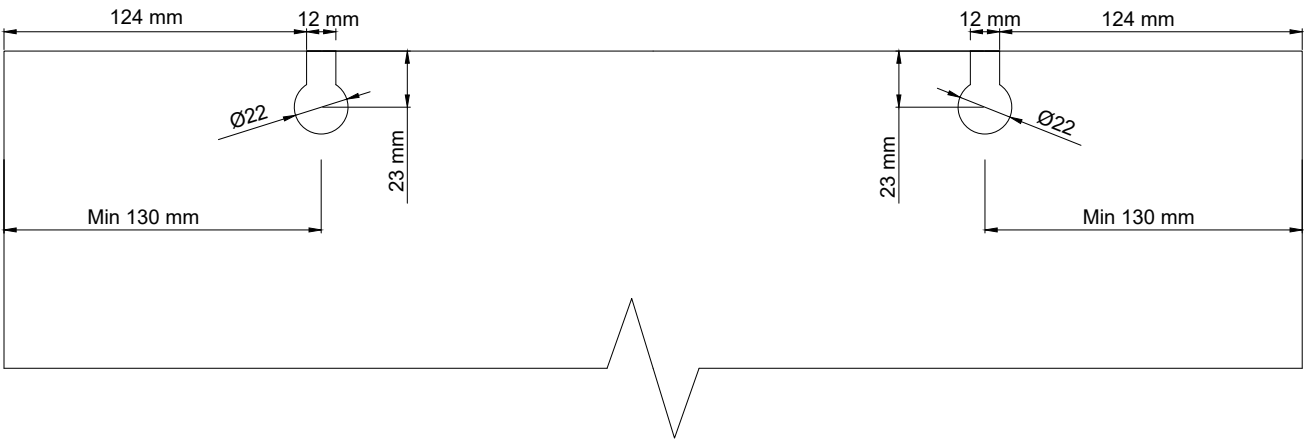


Ceiling Mounting

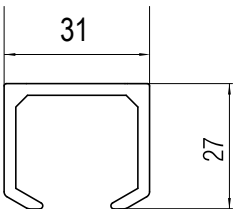


$A = H - 47$

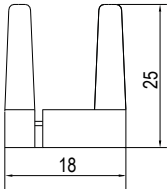
Cut-out Dimensions:



Track Dimension:

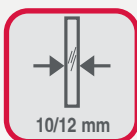
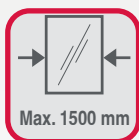


Bottom Guide Cross Section:



## DESIGN ERGO 120 SMUSO

NEW



Straight sliding system with  
soft close for glass doors.

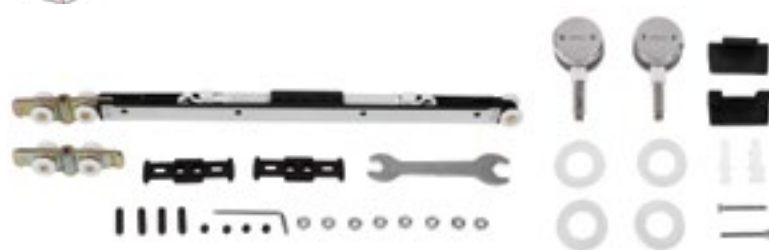


**Hardware Specification:**

- Highly efficient Double-sided Soft Close technology embedded into the track
- Good quality Zamak (zinc alloy) roller, hanger and carriage set body
- Ground shielded ball bearings around the wheel for silent and smooth sliding
- Wheels made of DELRIN – a special anti-wear compound that offers higher tensile strength, stiffness, resistance, and significantly outperforms on impact resistance
- High tech two-way suspension brackets made of zinc coated steel. The suspension screw can be inserted from the front or the side for easy installation
- Open structure of the rail – prevents dust accumulation
- Compact form of stopper does not afflict the roller wheels - so the wheels do not get damaged when the roller set hits the stopper
- Adjustable bottom (up to 2 mm towards the left or right) for perfect alignment

**Glass Clamp Specification:**



- Material: SS304
- Finish: SS polish
- Glass thickness: 10/12 mm
- Adjustable plastic bottom guide





Article No.: 941.10.042

Sliding door kit consists of:

- 1 Roller
- 2 Adjustable Stoppers and other fittings
- 1 Two-way Smuso with Rollers
- 2 Activators
- 2 Glass Clamps
- 1 Bottom Guide
- 4 Seals

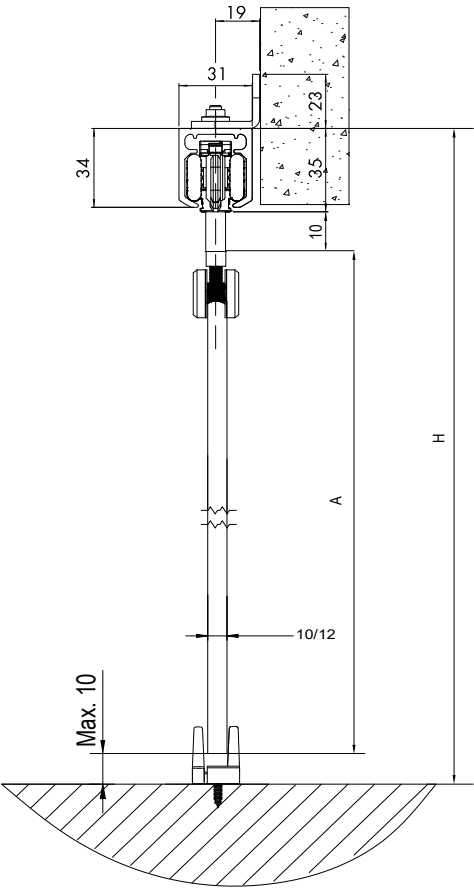
	Product Name		Article No.
	Aluminium anodized top track (Note: Track to be ordered separately)	2000 mm	409.50.603
		2400 mm	409.50.604
		3000 mm	409.50.605
		3600 mm	409.50.606

**OPTIONAL**

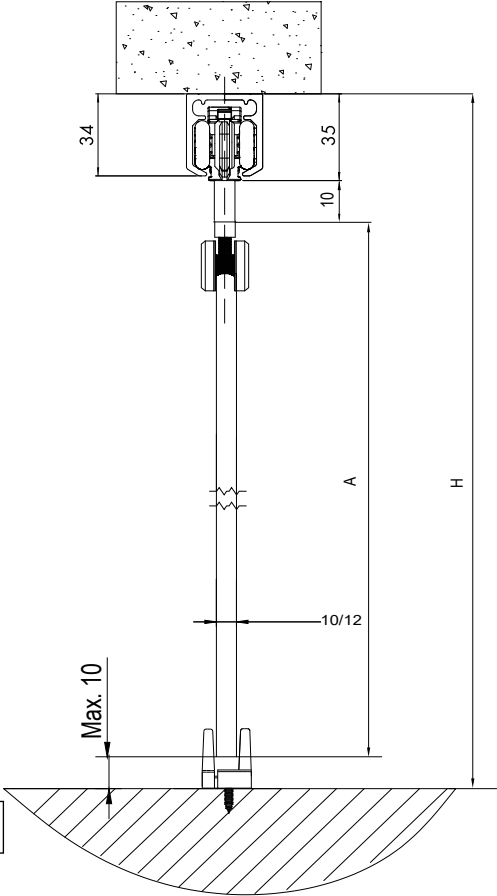
	Product Name	Thickness	Article No.
	Wall mounting bracket	3 mm	940.66.060
	Ergo sliding patch- 22 mm diameter Finish: SS Polished, SS 304		941.10.101

Technical Specifications

Section View:  
Wall Mounting

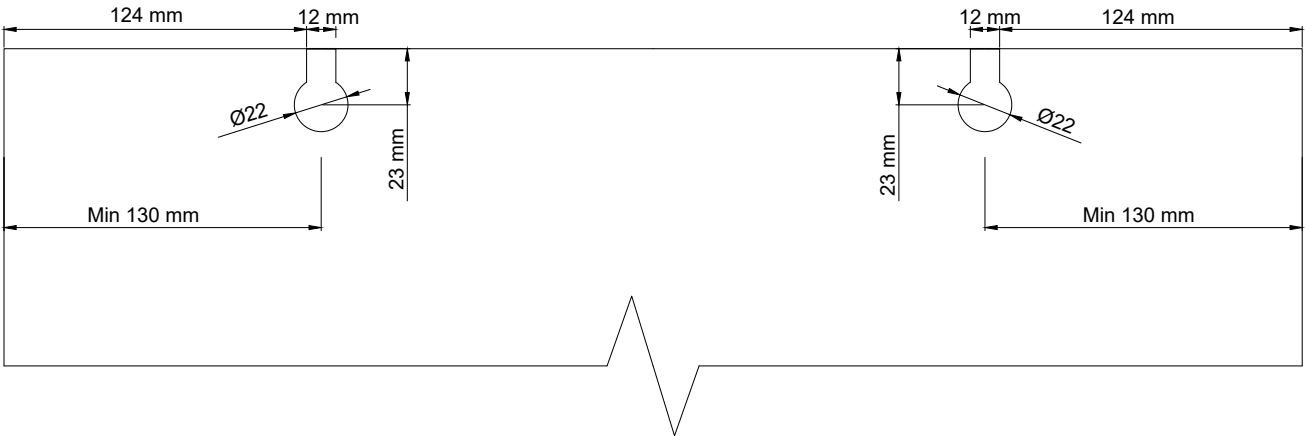


Ceiling Mounting

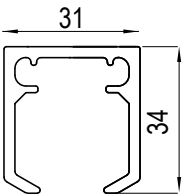


$A = H - 55$

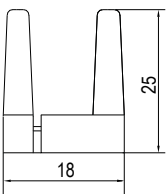
Cut-out Dimensions:



Track Dimension:

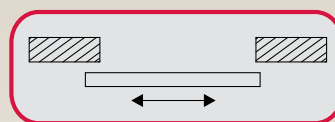
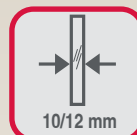


Bottom Guide Cross Section:



## DESIGN 120 J

NEW



Straight sliding system for single sliding glass doors.



### Hardware Specification:





- Solid rollers made of high quality zamak one piece die casting
- Ground shielded ball bearing for silent sliding
- Wheel made of Delrin a special anti wear compound
- Open structure of rail avoids dust accumulation and allows self adjusting running
- Adjustable Stopper: The shape of the stopper doesn't affect the wheel so that the wheel is always free



Article No.: 941.10.039

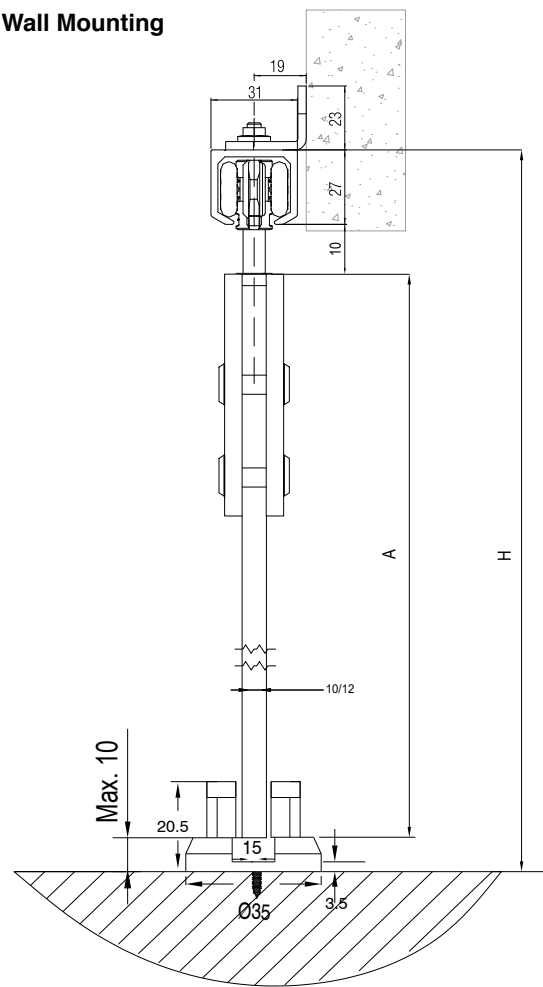
Sliding door kit consists of:

- 2 Rollers
- 1 Bottom Guide
- 2 Adjustable Stoppers and other fittings
- 2 Clamps
- 1 Allen Key

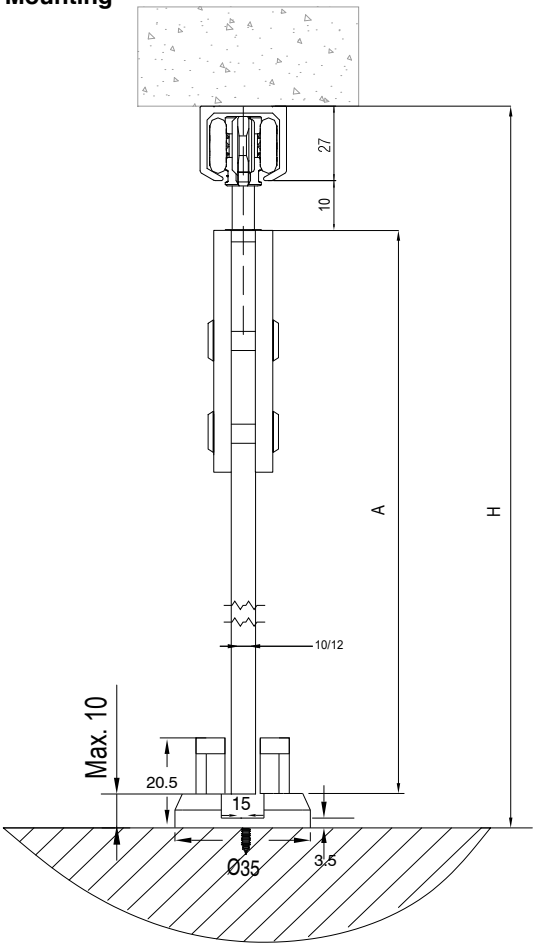
	Product Name		Article No.
	Aluminium anodized top track (Note: Track to be ordered separately)	1524 mm	941.10.915
		1828 mm	941.10.918
		2134 mm	941.10.921
		2438 mm	941.10.924
		2743 mm	941.10.927
		3048 mm	941.10.930
		3657 mm	941.10.936
OPTIONAL			
	Wall mounting bracket	3 mm	940.66.060
	SS 304 Clamp SS Matt Finish		941.10.020

Technical Specifications

Section View:  
Wall Mounting

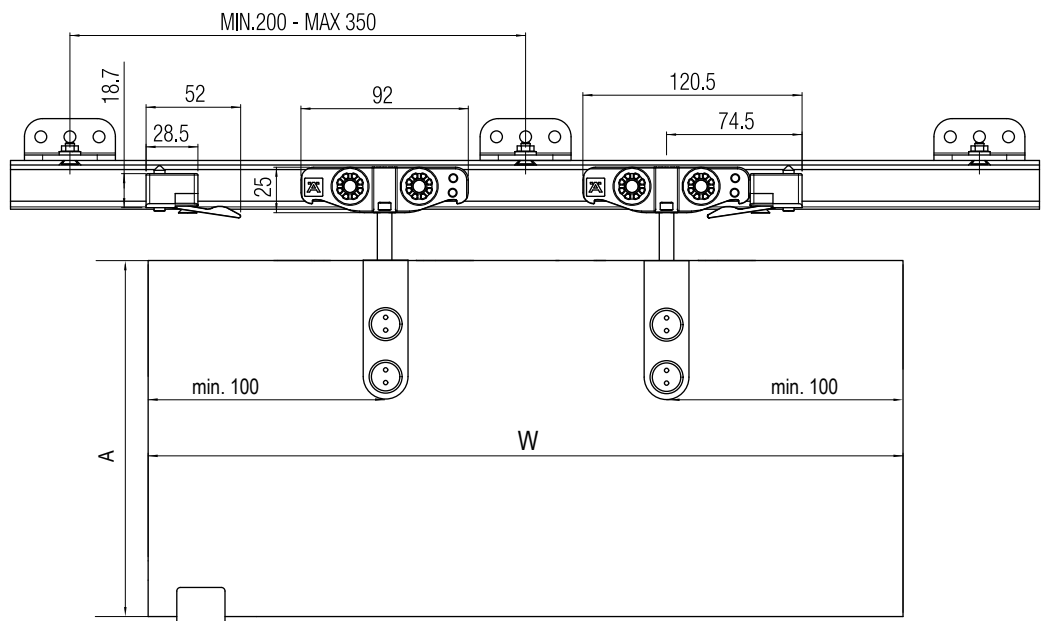


Ceiling Mounting

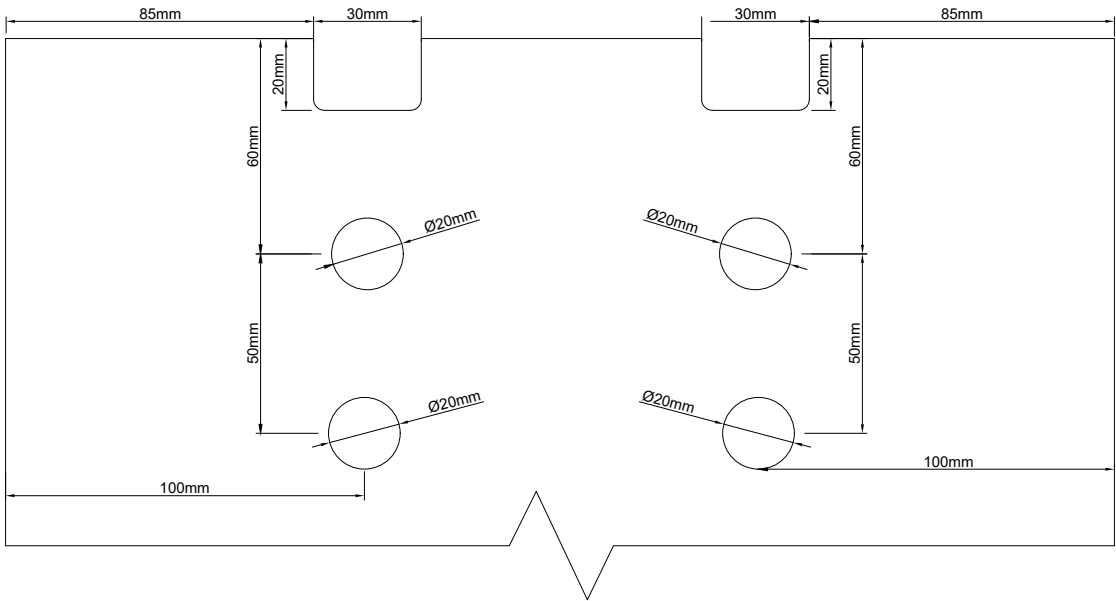


$A = H - 47$

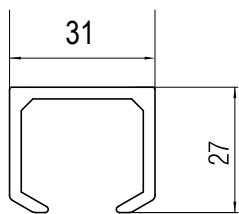
Elevation View:



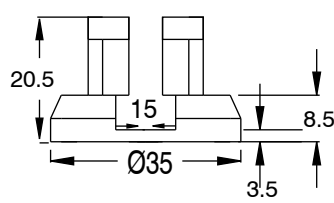
Cut-out Dimension:



Track Dimensions:

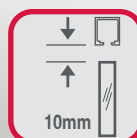
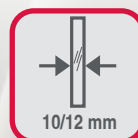


Bottom Guide Cross Section:



## DESIGN 120 J SMUSO

NEW

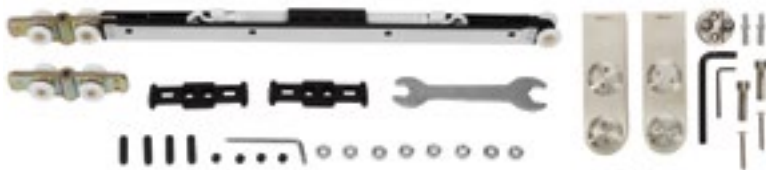


Straight sliding system with soft close  
for single sliding glass doors.



#### Hardware Specification:





- Solid rollers made of high quality zamak one piece die casting
- Ground shielded ball bearing for silent sliding
- Wheel made of Delrin a special anti wear compound
- Open structure of rail avoids dust accumulation and allows self adjusting running
- Adjustable Stopper: The shape of the stopper doesn't affect the wheel so that the wheel is always free



Article No.: 941.10.043

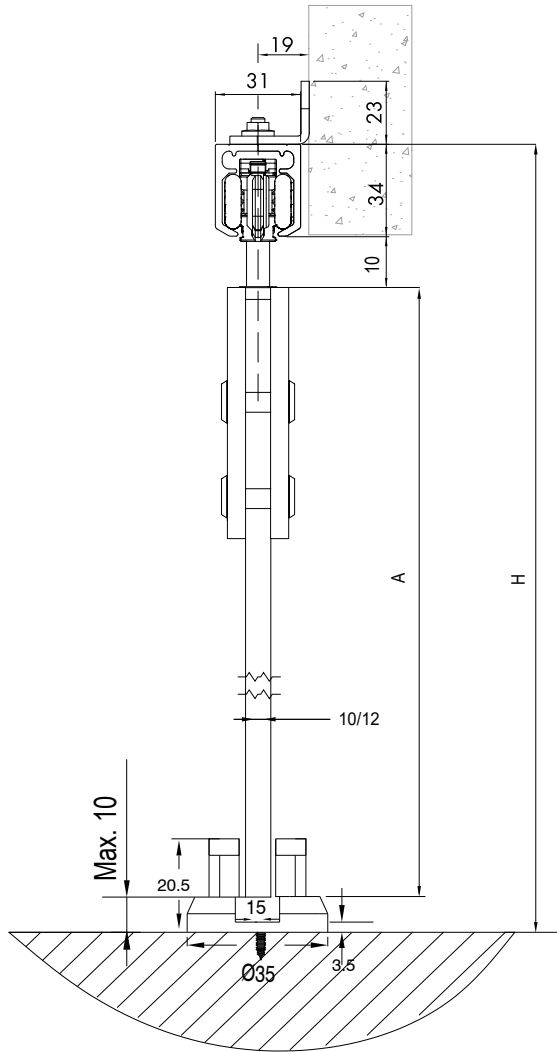
Sliding door kit consists of:

- 1 Rollers
- 1 Two-way Smuso with Rollers
- 2 Activators
- 2 Adjustable Stoppers and other fitting
- 2 Clamps
- 1 Bottom Guide
- 1 Allen Key

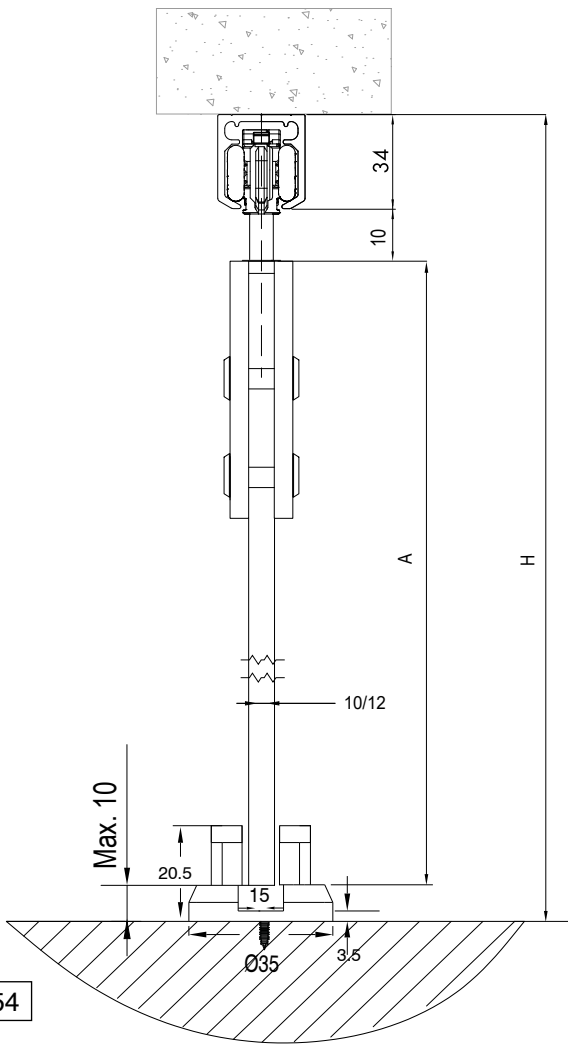
	Product Name		Article No.
	Aluminium anodized top track (Note: Track to be ordered separately)	2000 mm	409.50.603
		2400 mm	409.50.604
		3000 mm	409.50.605
		3600 mm	409.50.606
OPTIONAL			
	Wall mounting bracket	3 mm	940.66.060
	SS 304 Clamp SS Matt Finish		941.10.020

Technical Specifications

Section View:  
Wall Mounting

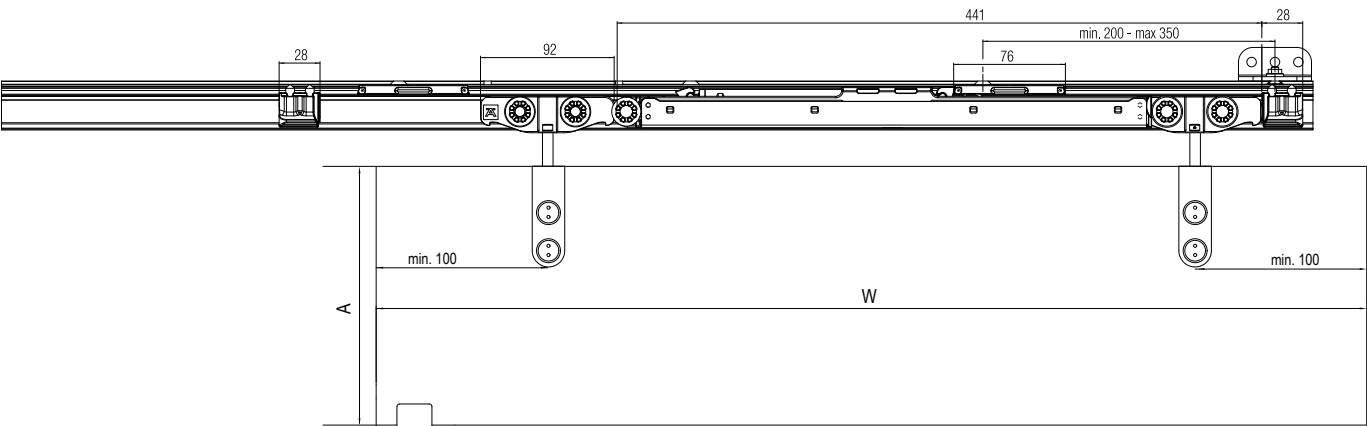


Ceiling Mounting

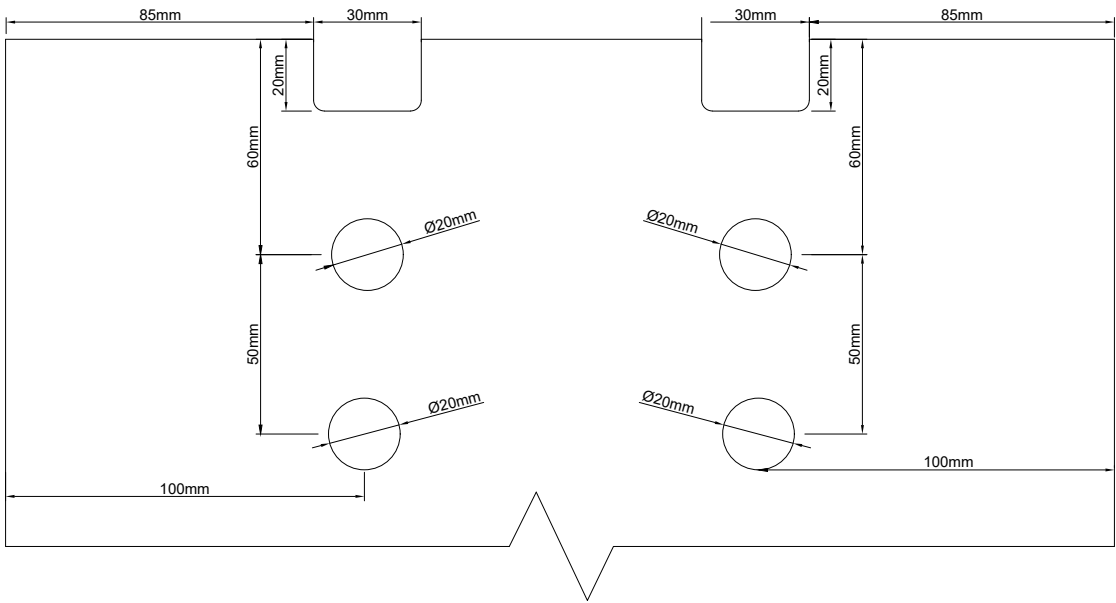


$A = H - 54$

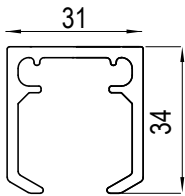
Elevation View:



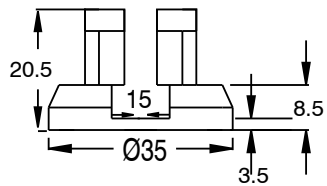
Cut-out Dimension:



Track Dimension:

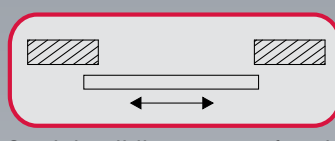


Bottom Guide Cross Section:



## DESIGN 120 SS

NEW





Straight sliding system for glass doors.



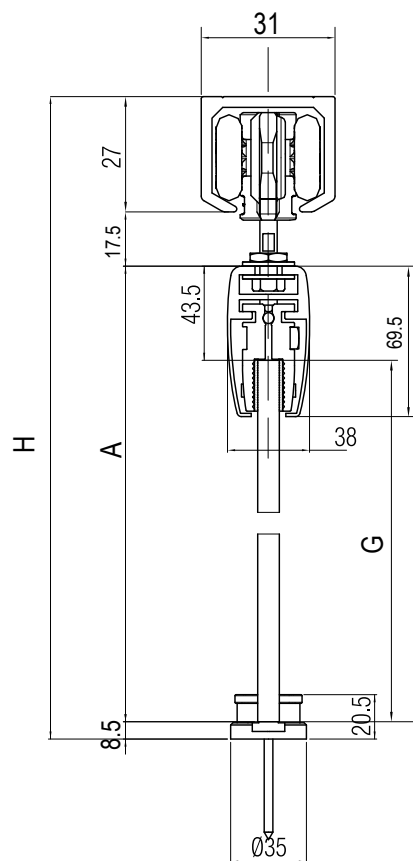
Hardware Specification:

- The rollers are made up of die cast alloy with delrin covered ground shielded ball bearing wheels
- The glass grippers can be adjusted for different glass thickness
- The clamping shoes have a safety pin to prevent the door slipping with time
- Separate aluminium profile to cover the glass grippers



	Product Name		Article No.
	Aluminium anodized top track (Note: Track to be ordered separately)	1524 mm	941.10.915
		1828 mm	941.10.918
		2134 mm	941.10.921
		2438 mm	941.10.924
		2743 mm	941.10.927
		3048 mm	941.10.930
		3657 mm	941.10.936

## Technical Specifications

Section View:  
Ceiling Mounting

$$A = H - 52.5$$

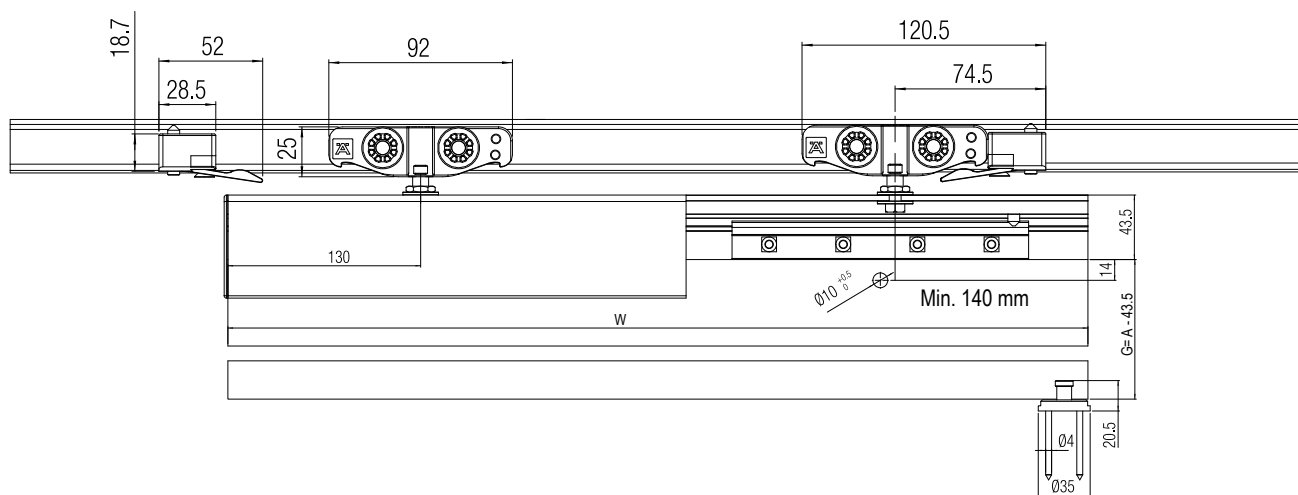
$$G = A - 43.5$$

A = Total door height (with profile)

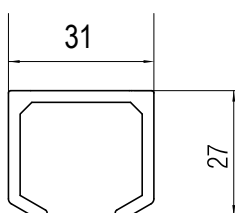
G = Glass height

H = Total opening height

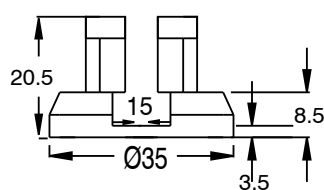
## Elevation View:



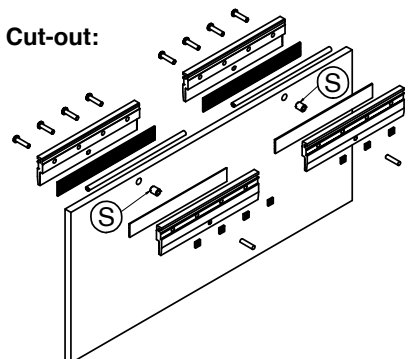
## Track Dimension:



## Bottom Guide Cross Section:



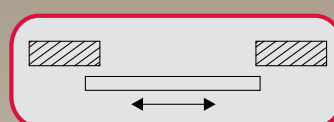
## Glass Cut-out:



Glass grippers hold the door in place. If the door weight is greater than 80 Kg., you need to use the 2 safety pins (S) provided with the kit. These pins provide a firm grip between the glass door and the grippers preventing the door from slipping away over a period of time. To insert the safety pins, two holes of diameter 10 mm need to be drilled into the glass door.

## DESIGN 120 SS SMUSO

NEW




Straight sliding system with soft close for glass doors.



Hardware Specification:



- The rollers are made up of die cast alloy with delrin covered ground shielded ball bearing wheels
- The glass grippers can be adjusted for different glass thickness
- The clamping shoes have a safety pin to prevent the door slipping with time
- Separate aluminium profile to cover the glass grippers



Article No.: 941.10.044

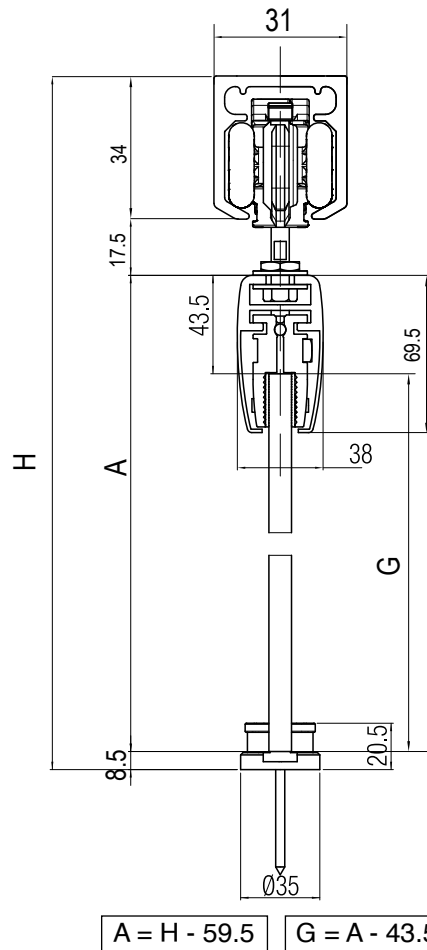
Sliding door kit consists of:

- 1 Bottom guide
- 1 1280mm aluminium profile
- 2 Side covers
- 2 Fixing clamps
- 1 Roller
- 1 Two-way smuso with rollers
- 2 Activators
- 2 Adjustable stoppers and other fittings

	Product Name		Article No.
	Aluminium anodized top track (Note: Track to be ordered separately)	2000 mm	409.50.603
		2400 mm	409.50.604
		3000 mm	409.50.605
		3600 mm	409.50.606

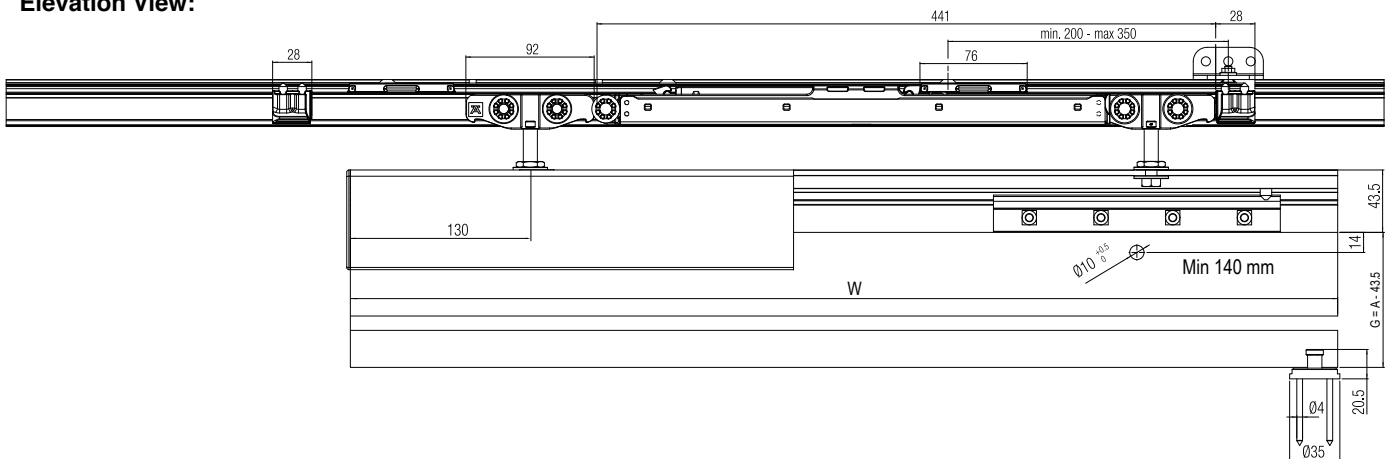
## Technical Specifications

### Section View: Ceiling Mounting

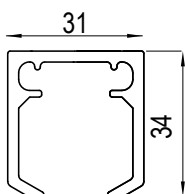


A = Total door height (with profile)  
G = Glass height  
H = Total opening height

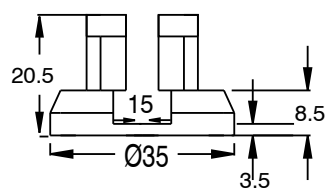
### Elevation View:



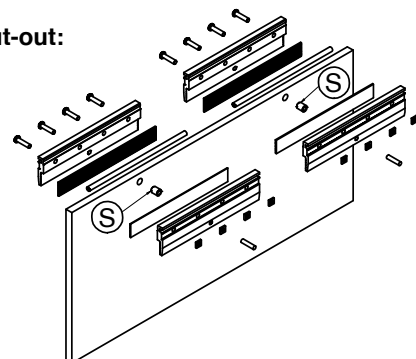
### Track Dimension:



### Bottom Guide Cross Section:



### Glass Cut-out:



Glass grippers hold the door in place. If the door weight is greater than 80 Kg., you need to use the 2 safety pins (S) provided with the kit. These pins provide a firm grip between the glass door and the grippers preventing the door from slipping away over a period of time. To insert the safety pins, two holes of diameter 10 mm need to be drilled into the glass door.

## DESIGN 80L



Straight sliding system for glass doors.  
Track concealed in false ceiling, No glass  
preparation required.



#### Hardware Specification:











- Ideal for dividers and glass doors up to 80 kg.
- False ceiling application possible.
- System applicable with a profile for false ceilings.
- 2mm minimum gap between bracket and profile.
- Elegant design.
- **No glass preparation (cut-out) required.**



Article No.: 940.99.091

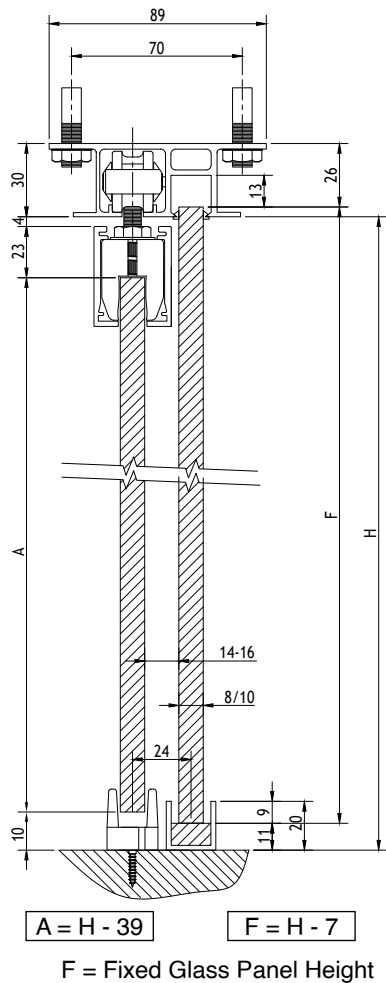
Sliding door kit consists of:

- 2 Rollers with Bracket
- 2 Adjustable Stoppers
- 1 Bottom Guide and other fittings

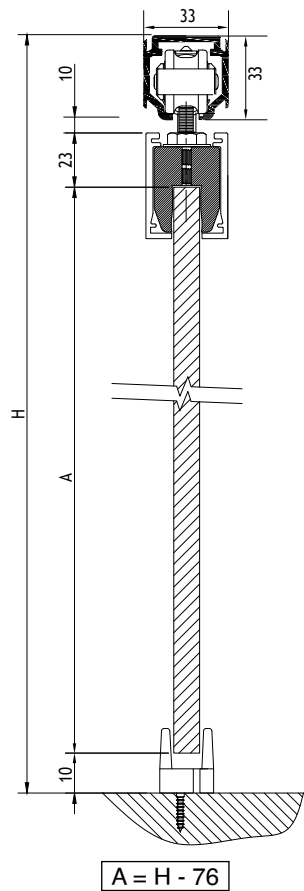
	Product Name		Article No.
	Silver anodised aluminium double track for false ceiling application with fixed glass. (Note: Track to be ordered separately)	3000 mm	940.99.931
	Aluminium anodized top track (Note: Track to be ordered separately)	3000 mm	941.27.432
	Silver anodised aluminium track for fixed glass (Note: track to be ordered separately)	3000 mm	940.99.830
	Silver anodised aluminium trim cover (Note: trim cover to be ordered separately)	3000 mm	940.99.730
	Bottom track for fixed glass (Note: Track to be ordered separately)	3000 mm	943.39.815
	Aluminium trim cover with stainless steel finish (Note: Trim cover to be ordered separately)	3000 mm	940.99.731
	Trim cover for profile - fixed glass (Note: Trim cover for Fixed Glass to be ordered separately)	3000 mm	940.99.130
	End trim cover for glass thickness 8mm (Note: End trim cover to be ordered separately)	-	940.99.061
	End trim cover for glass thickness 10mm (Note: End trim cover to be ordered separately)	-	940.99.062

Technical Specifications

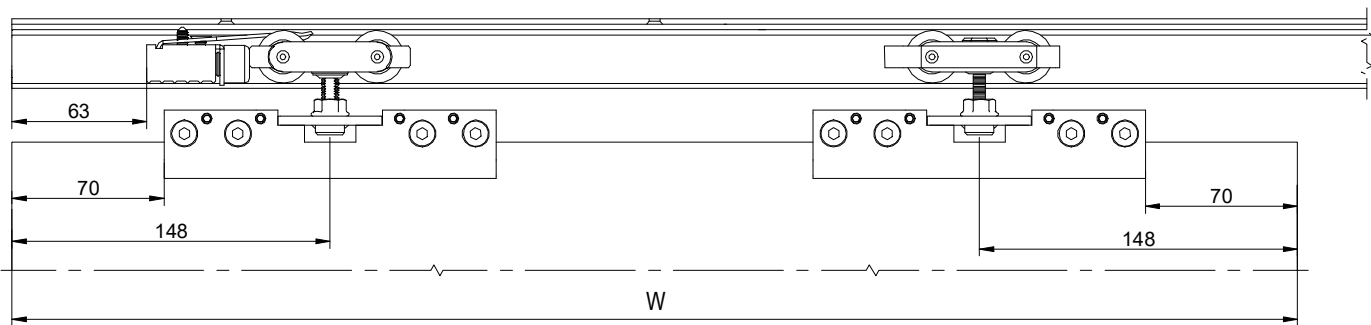
Section View:  
Concealed + Fixed Glass Mounting



Ceiling Mounting

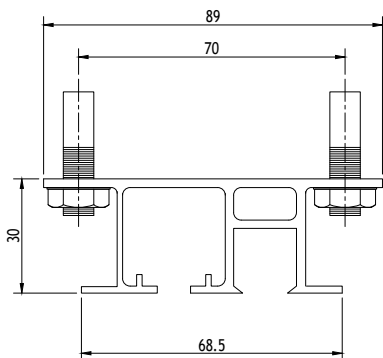


Elevation View:

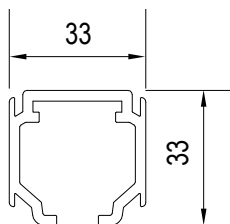


No glass preparation (cut-out) required.

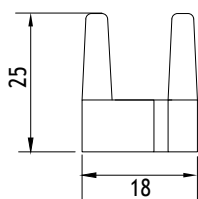
Track Dimension:  
Concealed + Fixed



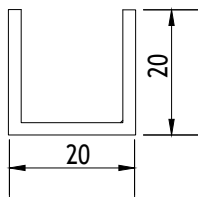
Ceiling Track



Bottom Guide  
Cross Section:



Bottom Track  
Cross Section:



## DESIGN 80 SVX



Straight sliding system for glass doors.



**Hardware Specification:**











- Ideal for dividers and glass doors up to 80kg weight
- Possible to install in combination with fixed glass
- Top track can fit to fixed glass
- Top track can fit to side walls
- **No glass preparation (cut-out) required**



Article No.: 940.99.095

Sliding door kit consists of:

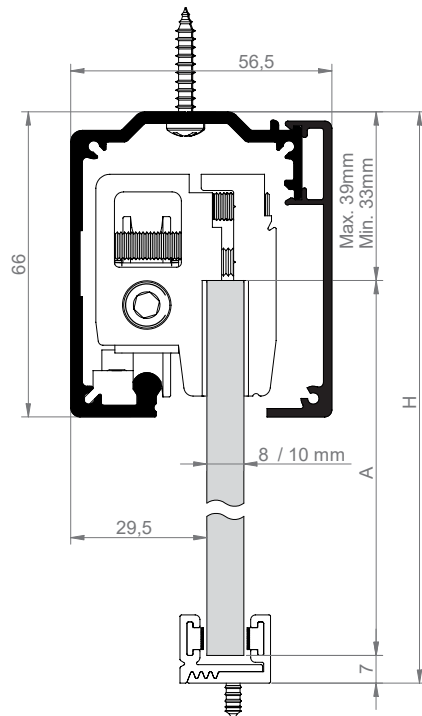
- 2 Rollers with Bracket
- 2 Adjustable Stoppers
- 1 Bottom Guide

	Product Name		Article No.
	Silver anodized aluminium upper track (Note: Track to be ordered separately)	2000 mm	940.99.320
		3000 mm	940.99.330
	Silver anodized aluminium upper track for fixed glass (Note: Track to be ordered separately)	2000 mm	940.99.321
		3000 mm	940.99.331
	Silver anodized aluminium trim cover (Note: Trim cover to be ordered separately)	2000 mm	940.99.420
		3000 mm	940.99.430
	Silver anodised aluminium trim cover for fixed glass (Note: Trim cover to be ordered separately)	2000 mm	940.99.421
	Wall glass support (Note: Wall glass support to be ordered separately)	-	940.99.060
	Trim cover (Note: Trim cover to be ordered separately)	-	940.99.032
	Trim cover for fixed glass (Note: Trim cover to be ordered separately)	-	940.99.031
	Bottom track for fixed glass (Note: Track to be ordered separately)	-	943.39.815
	Floating support (Note: Floating support to be ordered separately)	-	940.99.063

## Technical Specifications

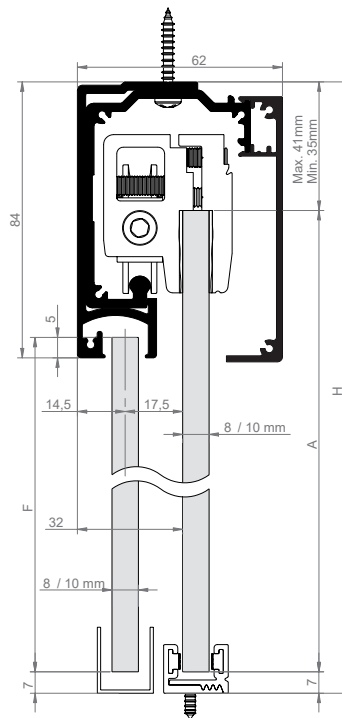
### Section View:

#### Application - 1 One Sliding Door Ceiling Mounting



A min. = H - 46  
A max. = H - 40

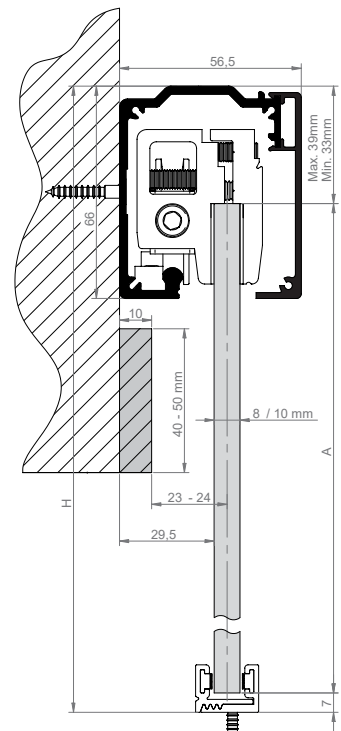
#### Application - 2 One Sliding Door + One Fixed Panel Ceiling Mounting



F = H - 86  
A min. = H - 48  
A max. = H - 42

F = Fixed Glass  
Panel Height

#### Application - 3 One Sliding Door Wall Mounting

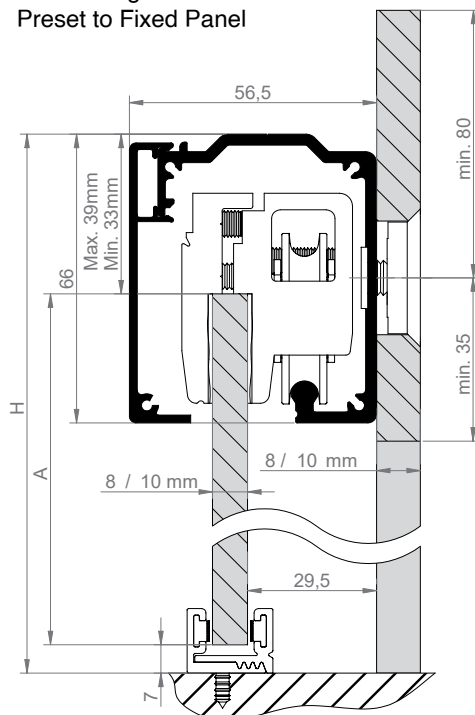


A min. = H - 46  
A max. = H - 40

#### Application - 4

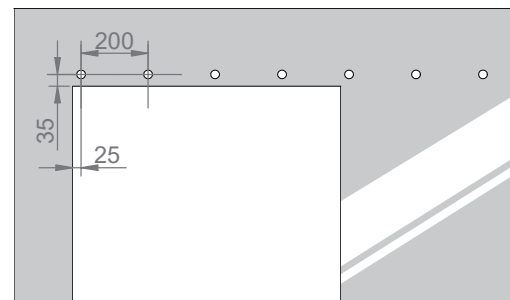
#### Glass Wall Mounting

One Sliding + One Fixed Panel Track  
Preset to Fixed Panel

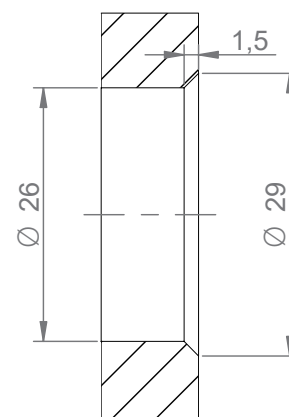


A min. = H - 46  
A max. = H - 40

### Drilling Pattern

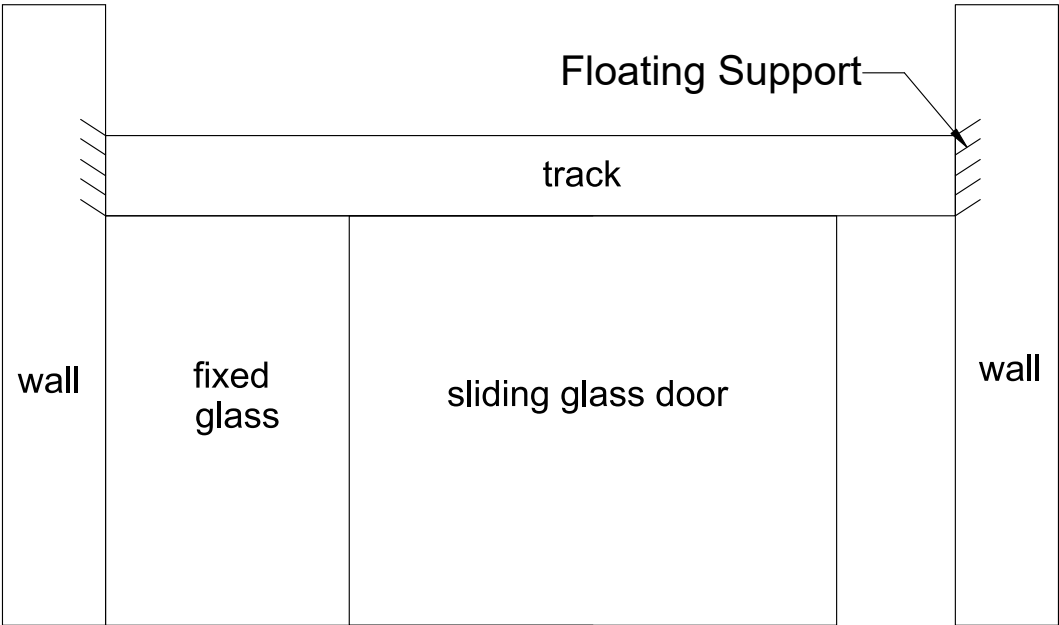


### Cut-out Dimension

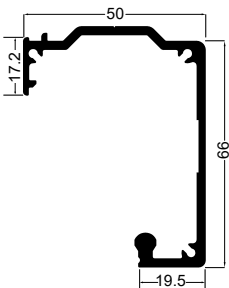


Application - 5

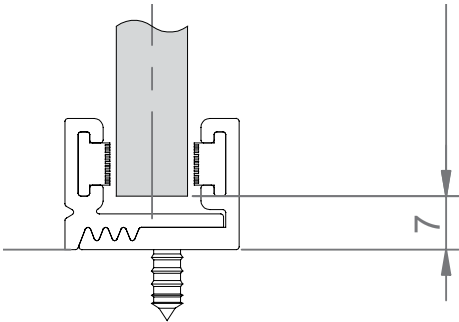
Track attach to the side walls



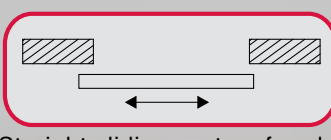
Track Dimension:



Bottom Guide Cross Section:



## SLIDO D-LINE43 80G (DESIGN 80 M)

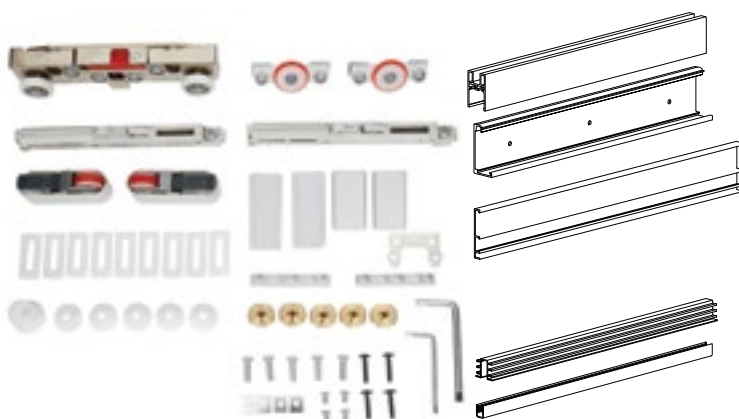


Straight sliding system for glass doors.



## Hardware Specification:

- Patented product that guarantees functionality and aesthetical renovation
- Track and sliding gear are completely concealed – all you can see is the clean, flush door fronts
- Advanced operational technology yet easy to install
- High quality system components guarantee durability and operational functionality
- Come with breaking dampers for smooth and soft opening and closing of the doors

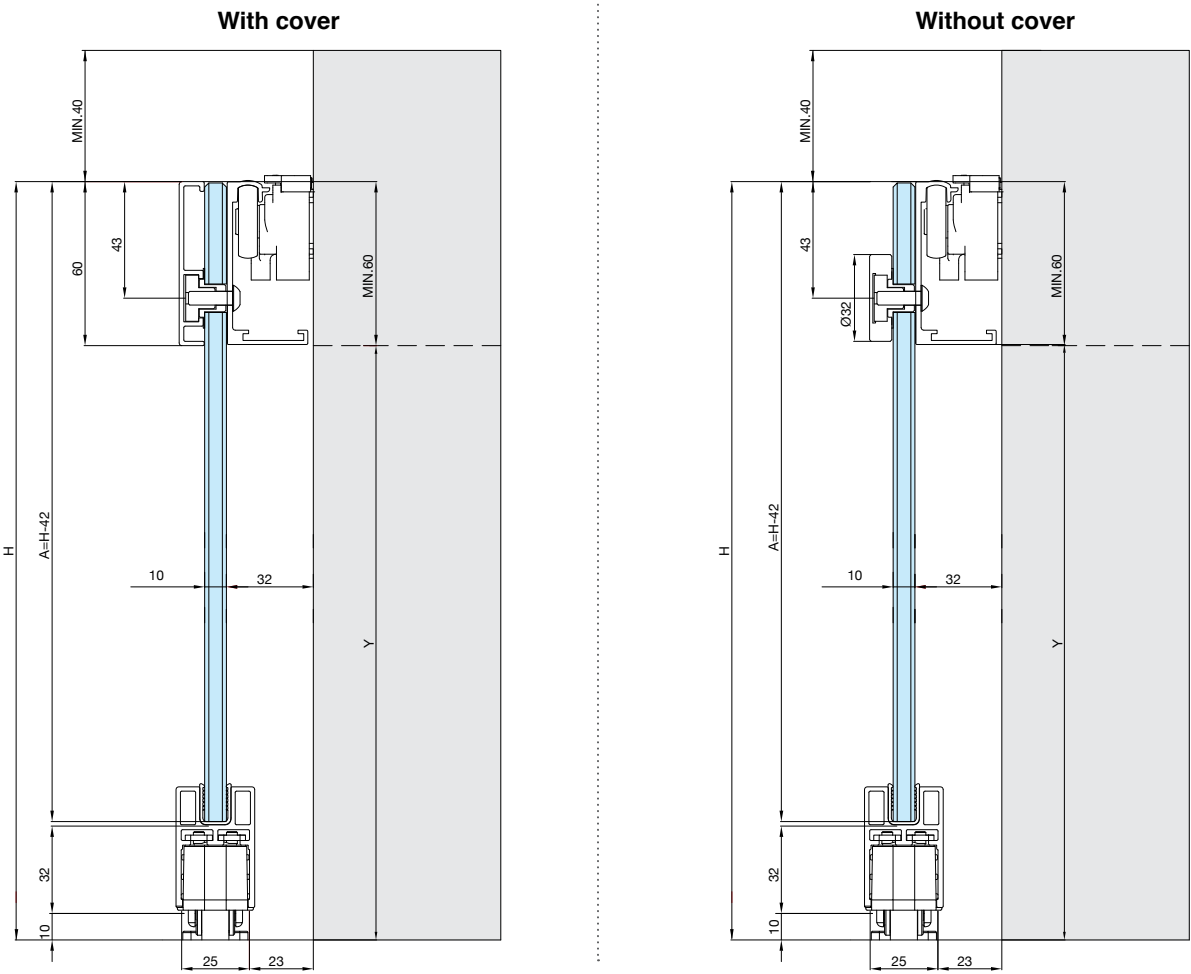


Article No.: 940.59.007

- Top Track Profile
- Bottom Guide
- Top Track
- Housing for Bottom Gear
- Bottom Track Profile
- Bottom Running Gear
- Bottom Track
- Fixing Brackets for Top Gear
- Cover Caps for Top Track
- Top Running Gear
- Cover Caps for Top Track Profile
- Damping mechanism for Top Track
- Cover Caps for Bottom Track
- Distance Spacers
- Allen Key and Fixing Screws

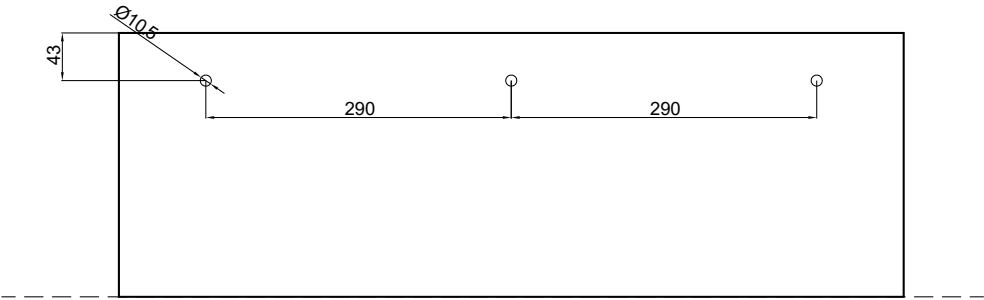
Technical Specifications

Section View:

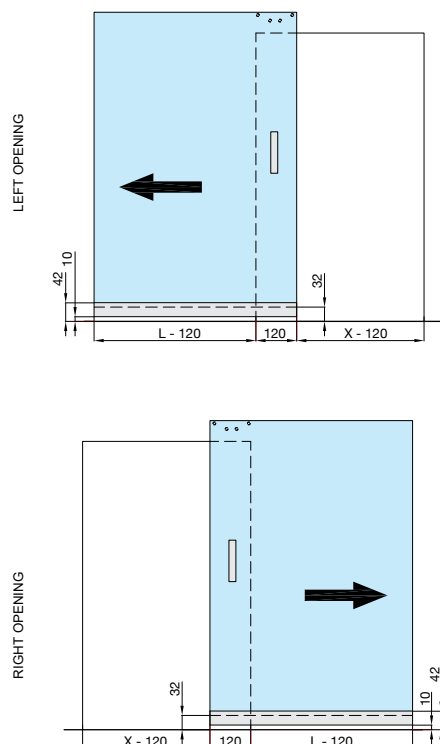


$A = H - 42$

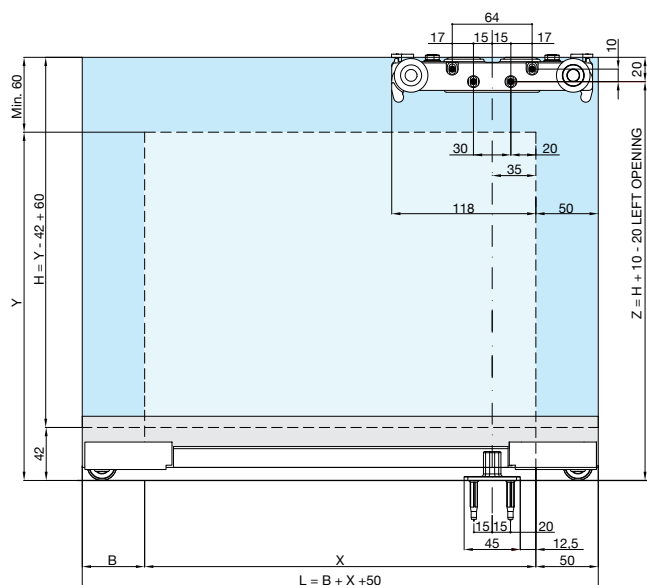
Glass Drilling Pattern:



## Standard Position



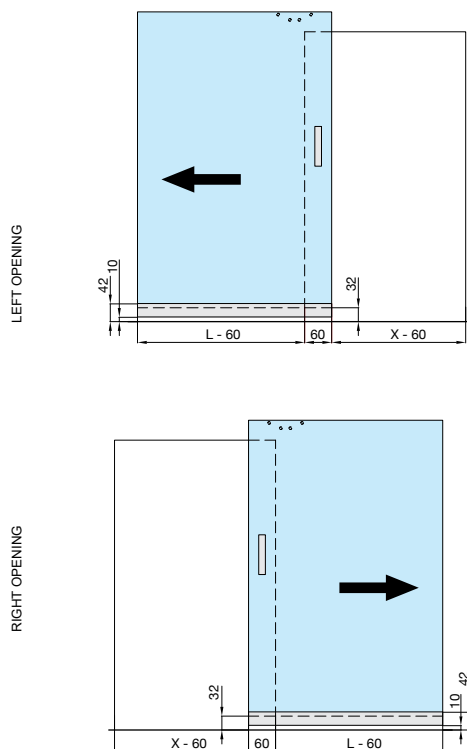
B = 0 mm (Min.)  
B = 50 mm (Suggested)



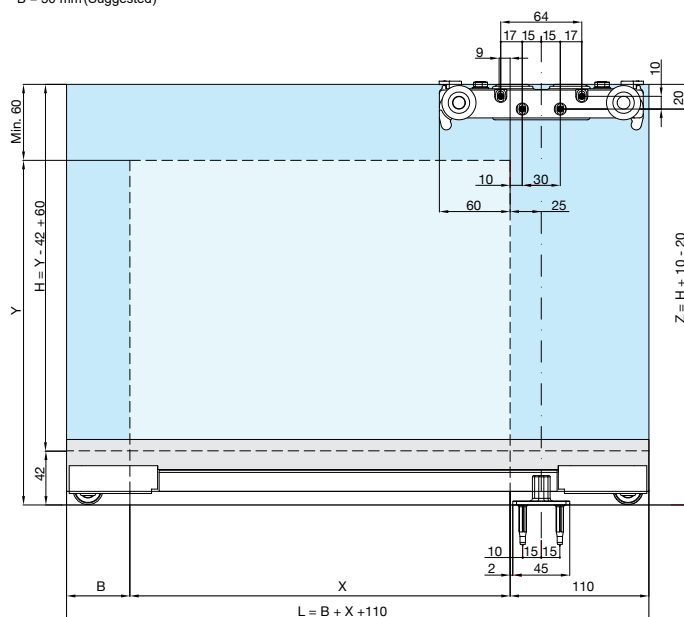
B=0  
X= MIN. 800 (L=850) / X= MAX. 1050 (L=1100)  
B=50  
X= MIN. 800 (L=900) / X= MAX. 1000 (L=1100)

B=0  
X= MIN. 800 (L=850) / X= MAX. 1750 (L=1800)  
B=50  
X= MIN. 800 (L=900) / X= MAX. 1700 (L=1800)

## Intermediate Position



B = 0 mm (Min.)  
B = 50 mm (Suggested)



B=0  
X= MIN. 740 (L=850) / X= MAX. 990 (L=1100)  
B=50  
X= MIN. 740 (L=900) / X= MAX. 940 (L=1100)

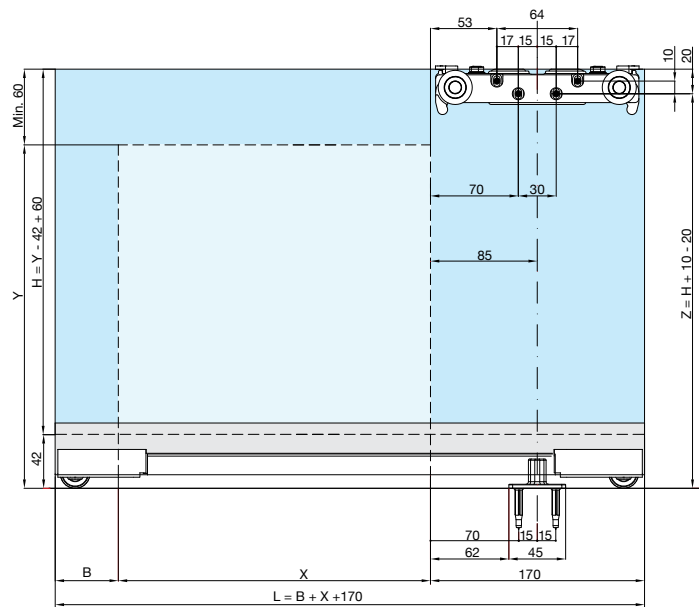
B=0  
X= MIN. 740 (L=850) / X= MAX. 1690 (L=1800)  
B=50  
X= MIN. 740 (L=900) / X= MAX. 1640 (L=1800)

LEFT OPENING

RIGHT OPENING

Technical drawings of door profiles for left and right opening configurations. The left drawing shows a door profile with a black arrow pointing left, a height dimension of 42, a top offset of 10, a bottom offset of 32, and a width dimension of L-0. The right drawing shows a door profile with a black arrow pointing right, a height dimension of 42, a top offset of 10, a bottom offset of 32, and a width dimension of X.

B = 0 mm (Min.)  
B = 50 mm (Suggested)



B=0  
X= MIN. 680 (L=850) / X= MAX. 1630 (L=1800)  
B=50  
X= MIN. 680 (L=900) / X= MAX. 1580 (L=1800)

## DESIGN 85 SV

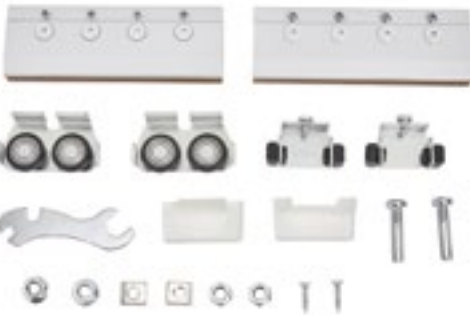


Straight sliding system for double sliding glass doors on single track.



### Hardware Specification:




- Ideal for dividers and closet doors
- System with a single track for 2 panels
- Adjustable lower guide from 8/10mm
- Vertically adjustable ball bearing wheels (Adjustment: + 6mm)
- **No glass preparation (cut-out) required**






Article No.: 940.99.094

Sliding door kit consists of:

- 2 Rollers with Bracket
- 2 Adjustable Stoppers and other fittings
- 2 Screws
- 1 Bottom Guide

	Product Name		Article No.
	Silver anodised aluminium track (Note: Track to be ordered separately)	3000 mm	940.99.630
		5000 mm	940.99.650
	Silver aluminium anodized trim cover (Note: Trim cover to be ordered separately)	3000 mm	940.99.530
		5000 mm	940.99.550

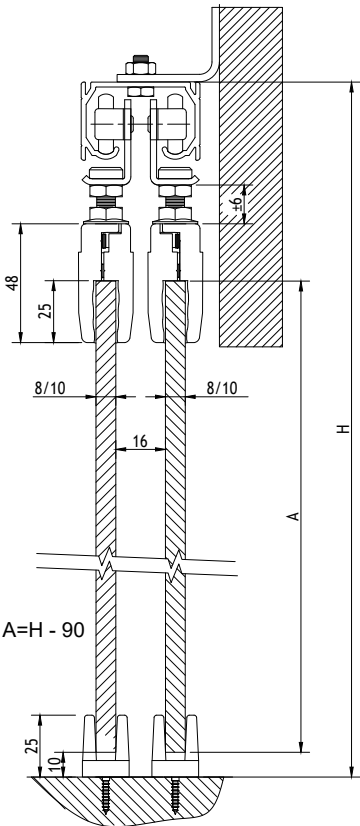
### OPTIONAL

	Product Name	Article No.
	Aluminium separator	940.99.093
	Trim cover support	940.99.081
	Wall mounting bracket	940.99.082

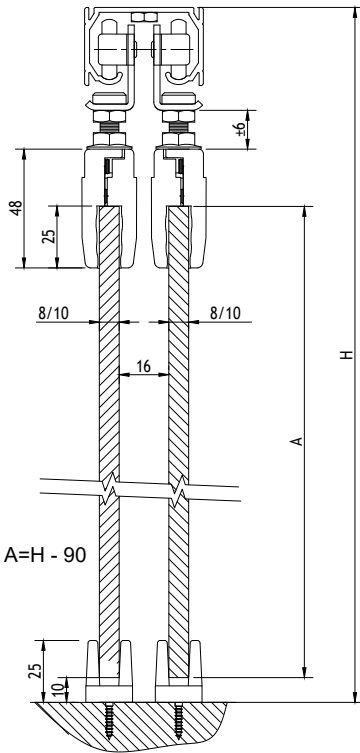
Technical Specifications

Section View:

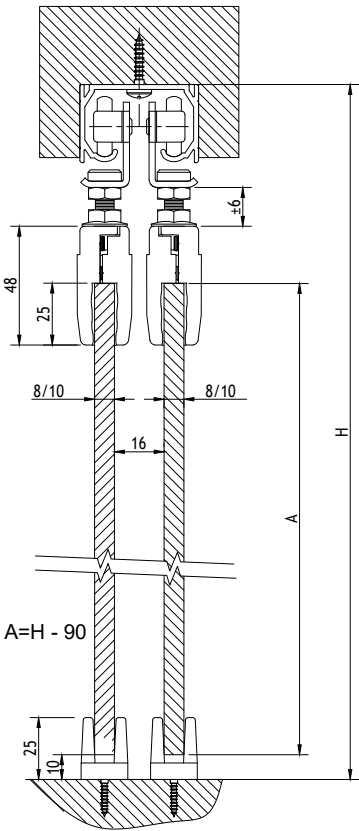
Wall Mounting:



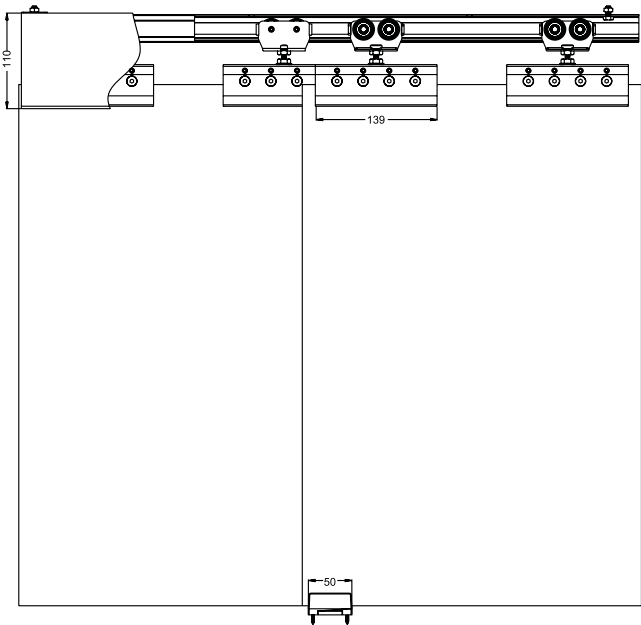
Ceiling Mounting:



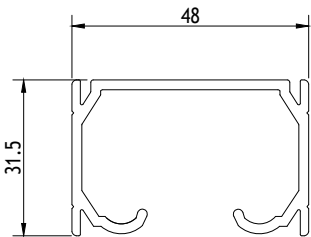
Concealed Mounting:



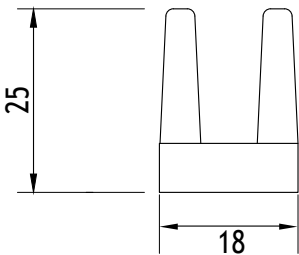
Elevation View:



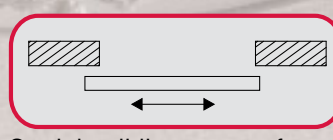
Track Dimension:



Bottom Guide Cross Section:



## DESIGN 100 C














Straight sliding system for glass doors.



**Hardware Specification:**

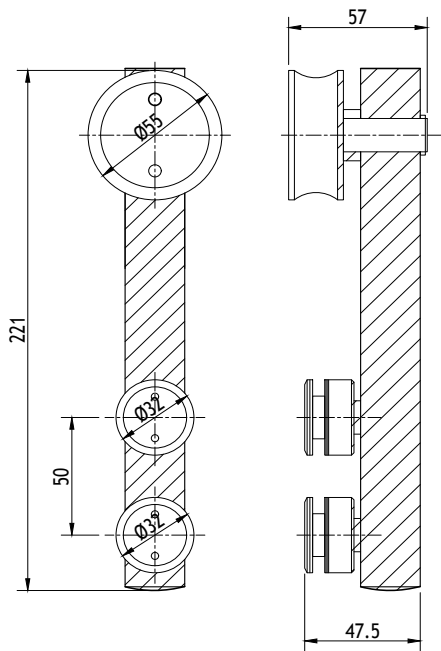
- System with robust and elegant hangers
- Stopper with inbuilt spring action to prevent vibration
- Roller hanger having offset shaft for adjusting door panel up and down
- Plastic roller wheels having higher anti wear performance

	Product Name	Finish	Article No.
	2 Rollers	SS matt	941.16.012
	End Door Stopper	SS matt	941.16.042
	Middle Door Stopper	SS matt	941.16.043
	Glass Support for Track	SS matt	941.16.031
	Wall Support for Track	SS matt	941.16.032
	End Wall Support for Track	SS matt	941.16.033
	Universal Joint for Track	SS matt	941.16.034
	Bottom Guide for 10 or 12mm Glass	SS matt	941.16.035
	Fixing Tool	SS matt	941.16.036

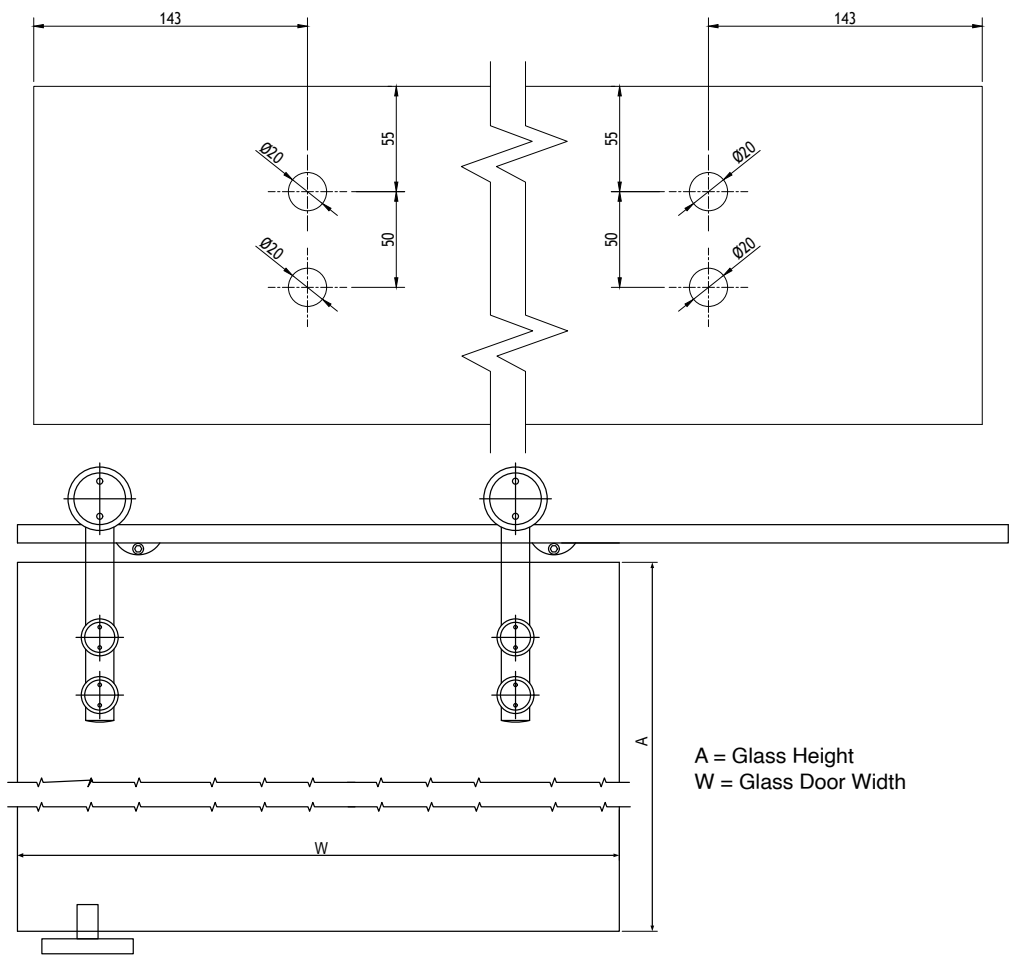
	Product Name		Article No.
	Aluminium anodized running track (Note: Track to be ordered separately)	1500 mm	941.16.915
		1800 mm	941.16.918
		2100 mm	941.16.921
		2400 mm	941.16.924
		2700 mm	941.16.927
		3000 mm	941.16.930

Technical Specifications

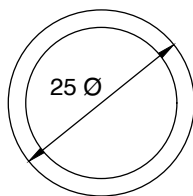
Roller Dimension:



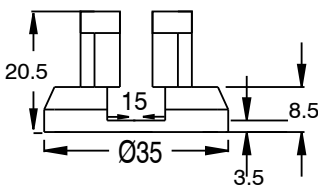
Glass Cutout:



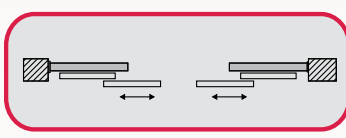
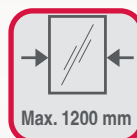
Track Dimension:



Bottom Guide Cross Section:



## DESIGN 80 SYTL

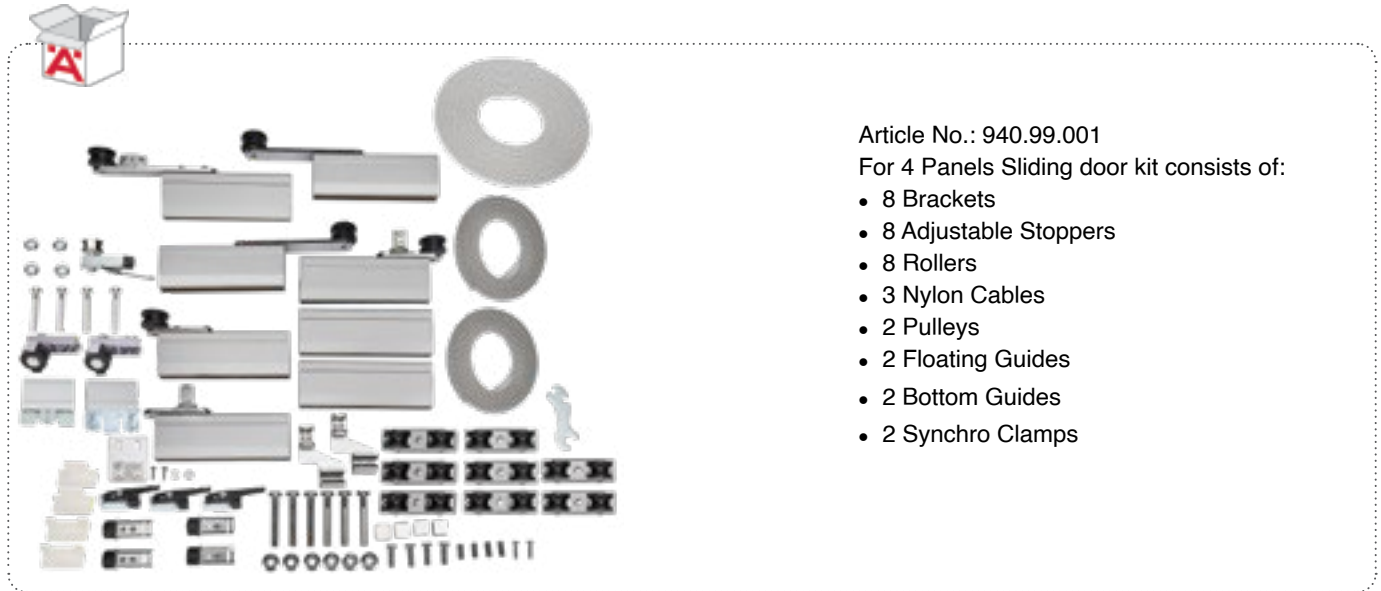








Synchro telescopic sliding system for glass doors. For simultaneous opening and closing of 4 doors (2 doors telescopic synchronized to the other 2 telescopic doors in opposite direction)



#### Hardware Specification:

- The opening and closing of 4 doors are parallel and simultaneous
- Maximum total width is 5 meters
- Coupling of profile in order to fit a fixed glass panel on both sides is possible
- **No glass preparation required**

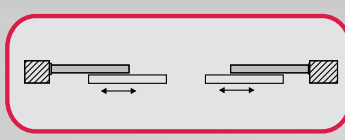


	Product Name		Article No.
	Upper track (Note: Track to be ordered separately)	3000	940.99.932
	Bottom track for fixed glass (Note: Track to be ordered separately)	3000	943.39.815
	Aluminium anodised separator support for trim cover	-	940.99.080
	Trim cover support	-	940.99.081
	Aluminium anodised trim cover	3000	940.99.732

Order to be based on specifications and requirement of the customer



## DESIGN 80 SY



Synchro sliding system for glass doors.  
For simultaneous opening of both the doors.




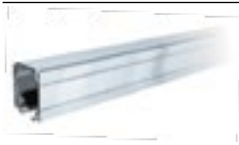




**Hardware Specification:**

- Ideal for dividers and glass doors up to 80kg weight
- Possible to install in combination with fixed glass
- Simultaneous opening of door is possible because of Synchro system
- **No glass preparation (cut-out) required**






Article No.: 940.99.092  
For Synchronised Door

- 4 Rollers with Bracket
- 4 Adjustable Stoppers
- 2 Pulleys
- 1 Synchro Cable & other fittings

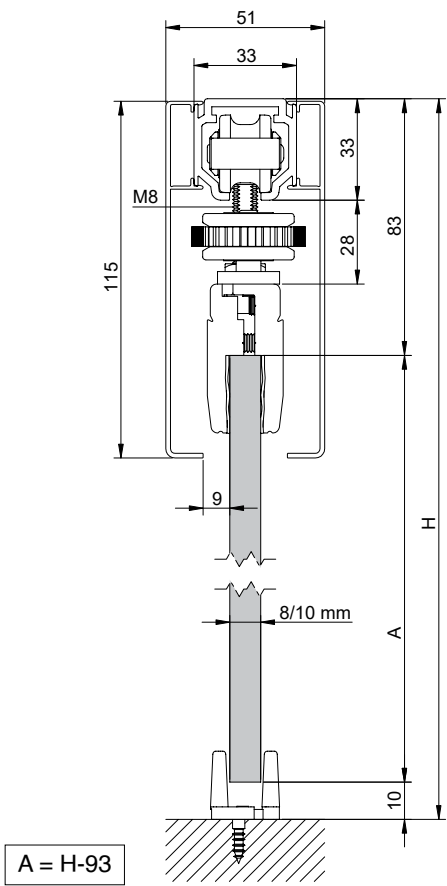
	Product Name		Article No.
	Silver anodised aluminium track (Note: Track to be ordered separately)	3000	940.99.930
	Silver anodised aluminium track for fixed glass (Note: Track to be ordered separately)	3000	940.99.830
	Bottom track for fixed glass (Note: Track to be ordered separately)	3000	943.39.815
	Silver anodised aluminium trim cover (Note: Trim cover to be ordered separately)	-	940.99.730
	Aluminium separator (Note: Aluminium separator to be ordered separately)	-	940.99.093

**OPTIONAL**

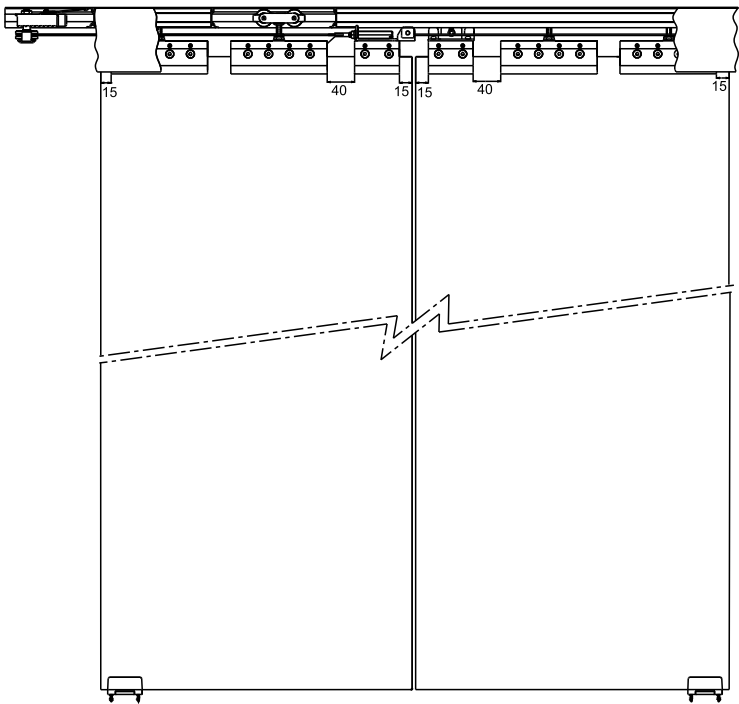
	Trim cover support	-	940.99.081
	Wall support	-	940.39.031
	Profile end trim	-	943.39.032

Technical Specifications

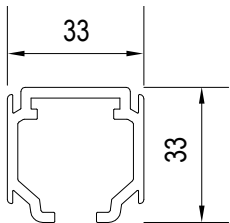
Section View:



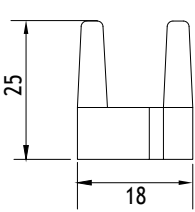
Elevation View:



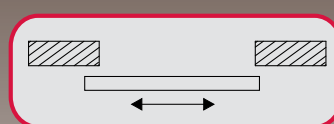
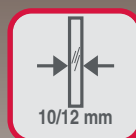
Track Dimension:



Bottom Guide Cross Section:



## DESIGN 200

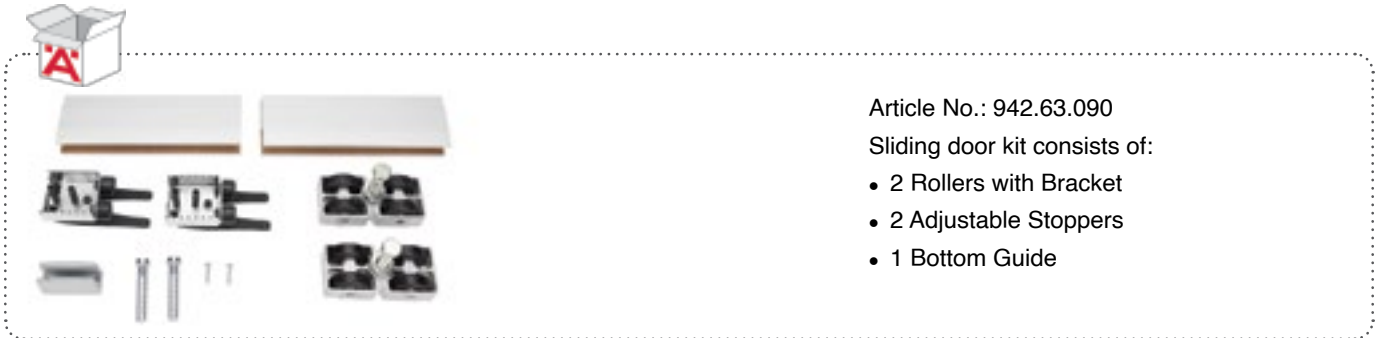


Straight sliding system for glass doors.



#### Hardware Specification:


- Installation with fixed glass is possible
- System with ball bearing rollers and adjustable stoppers
- Adjustable polyamide bottom guide to allow glass of different thickness
- **No glass preparation (cut-out) required**



Article No.: 942.63.090

Sliding door kit consists of:

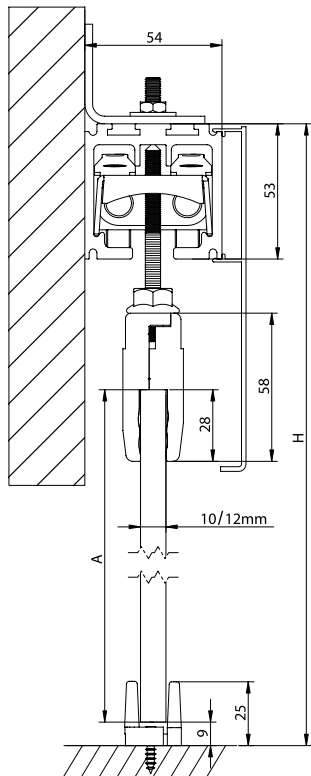
- 2 Rollers with Bracket
- 2 Adjustable Stoppers
- 1 Bottom Guide

	Product Name		Article No.
	Silver anodised aluminium top track for fixed glass (Note: Track to be ordered separately)	3000 mm	942.63.930
		5000 mm	942.63.950
	Product Name		Article No.
	Silver anodised aluminium top track (Note: Track to be ordered separately)	3000 mm	943.39.930
		4500 mm	943.39.945
	Product Name		Article No.
	Silver anodized aluminium trim cover (Note: Trim cover to be ordered separately)	3000 mm	942.63.830
		5000 mm	942.63.850
	Product Name		Article No.
	Silver anodised aluminium bottom track (Note: Track to be ordered separately)	1500 mm	943.39.815

Technical Specifications

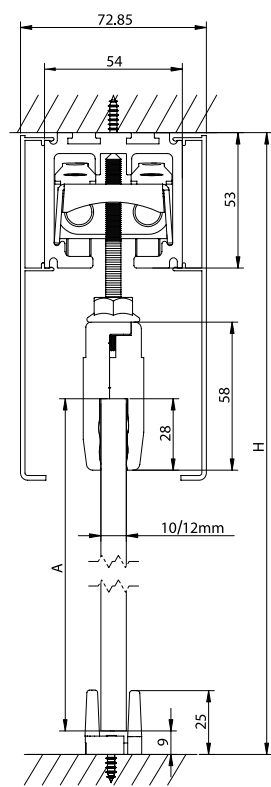
Section View:

Wall Mounting



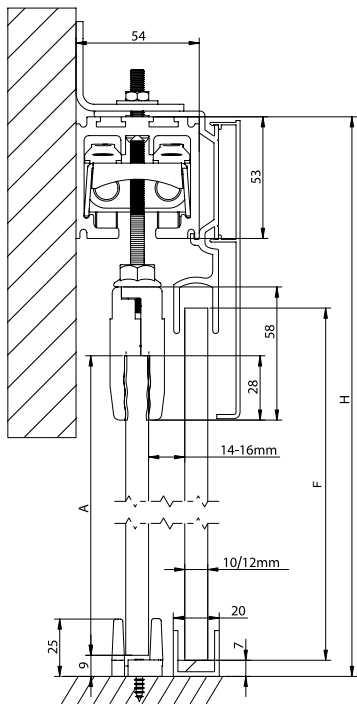
A=H-115

Ceiling Mounting



A=H-115

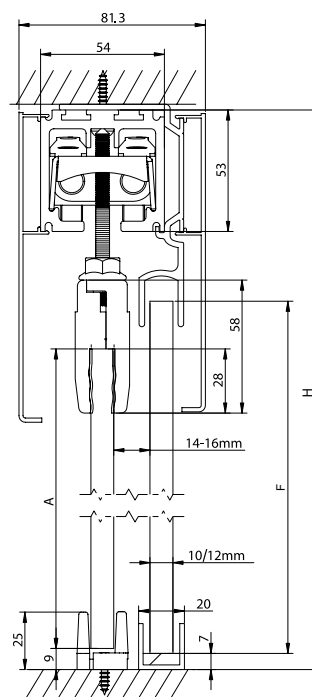
Wall mounting with fixed glass



A=H-115  
F=H-90

F = Fixed Glass Panel Height

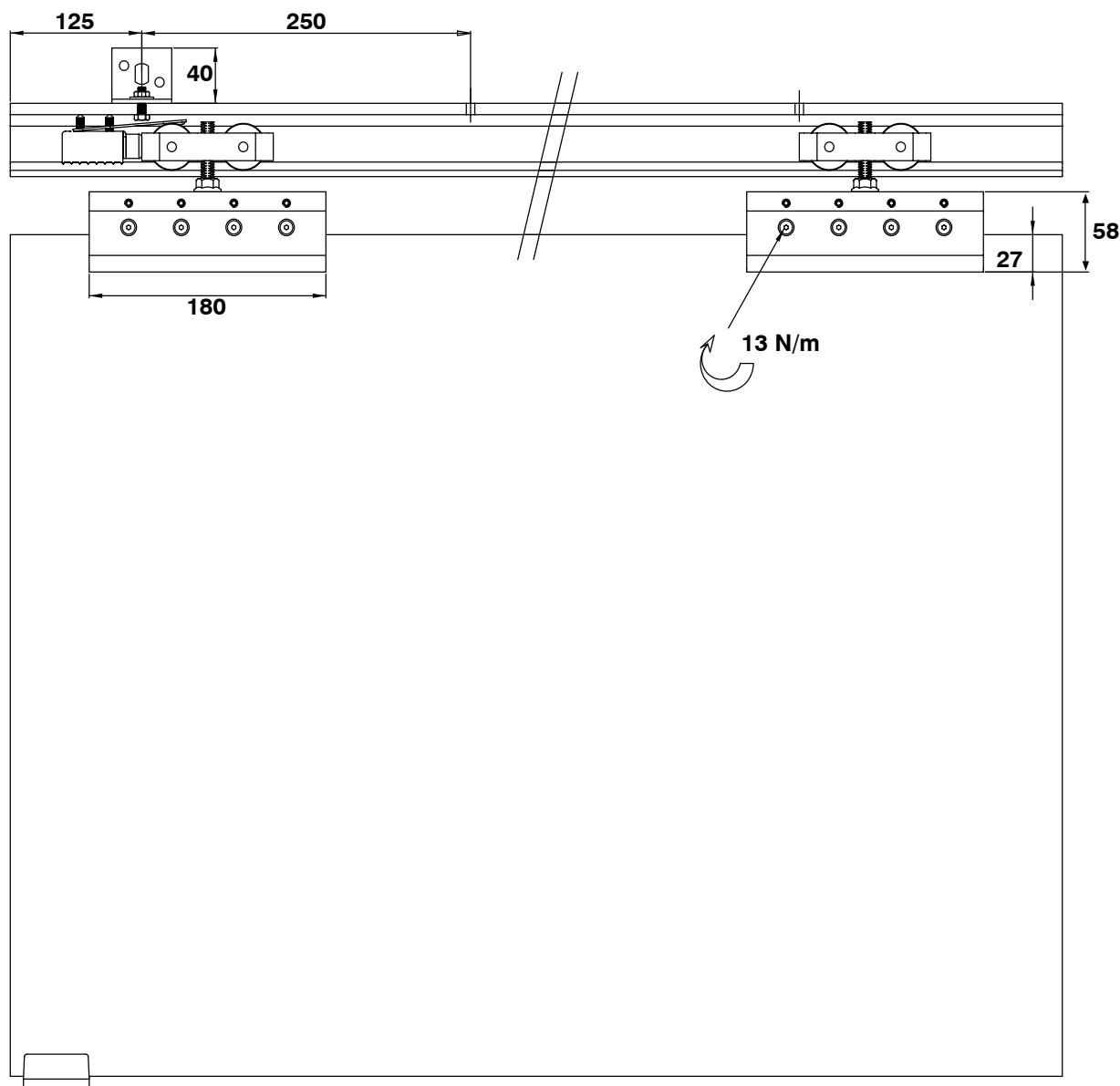
Ceiling mounting with fixed glass



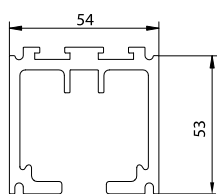
A=H-115  
F=H-90

F = Fixed Glass Panel Height

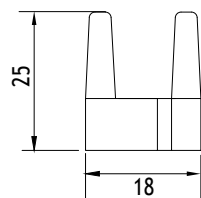
Elevation View:



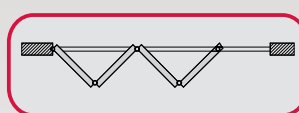
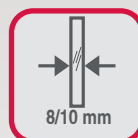
Track Dimension:



Bottom Guide Cross Section:



## DESIGN 100 SF 101











Sliding folding system for glass doors  
Only inward opening





**Hardware Specification:**

- Ideal for interior divider areas
- System of folding glass panels
- Height and width adjustment to prevent unevenness
- For folding sliding panels of 100 kg per pair of panels
- Ball bearings fitted on nylon wheels providing quiet running
- Solid aluminium hinges
- Maximum no. of panels: 6




**Sliding System Components:**

	Product Name	Article No.
	Single hinge roller	943.39.020
	Bottom guide with single hinge	943.39.022
	Central roller double hinge	943.39.023
	Double hinge with base pin	943.39.024
	Central bottom guide double hinge	943.39.026
	Top pivot with hinge	943.39.027
	Bottom hinge with pivot	943.39.028
	Bottom hinge with bolt	943.39.029

**OPTIONAL**

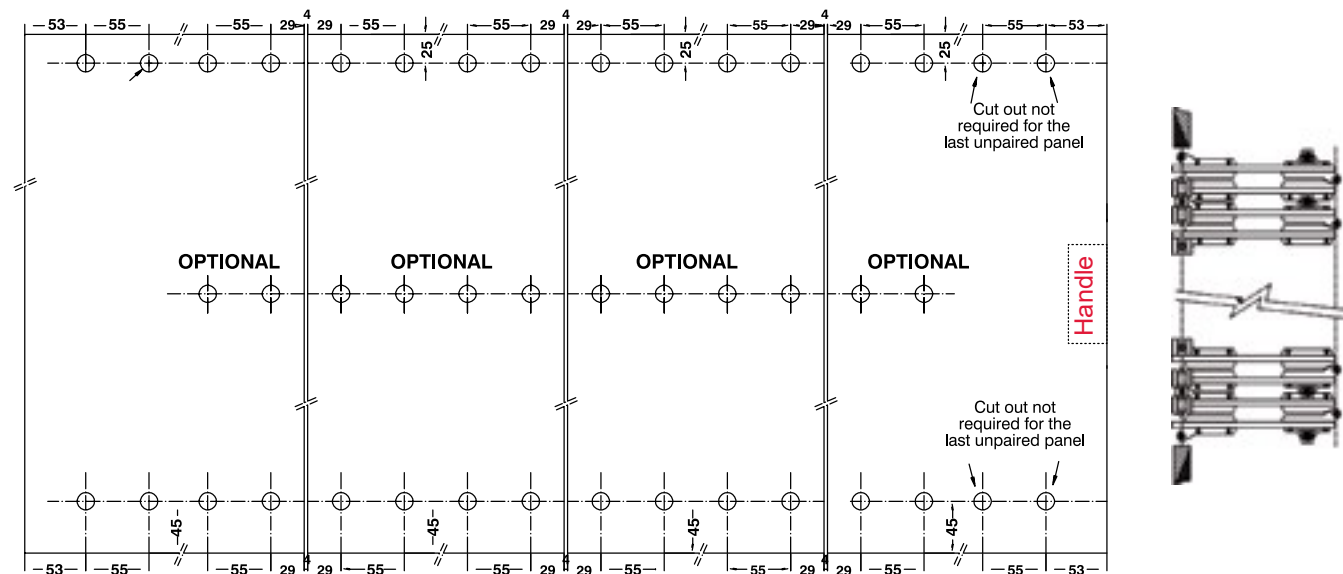
	Optional Double Hinge 'A' Central*	943.39.025
	Optional Double Hinge 'B' Central*	943.39.030

\*For doors higher to the height advised sizes (2400 mm) it is necessary to install patch-hinges

	Product Name		Article No.
	Silver anodized aluminium top track (Note: Track to be ordered separately)	3000	943.39.930
		4500	943.39.945
	Silver anodized aluminium bottom track (Note: Track to be ordered separately)	3000	943.39.830
		4500	943.39.845

Technical Specifications

Glass Cut-out Details:



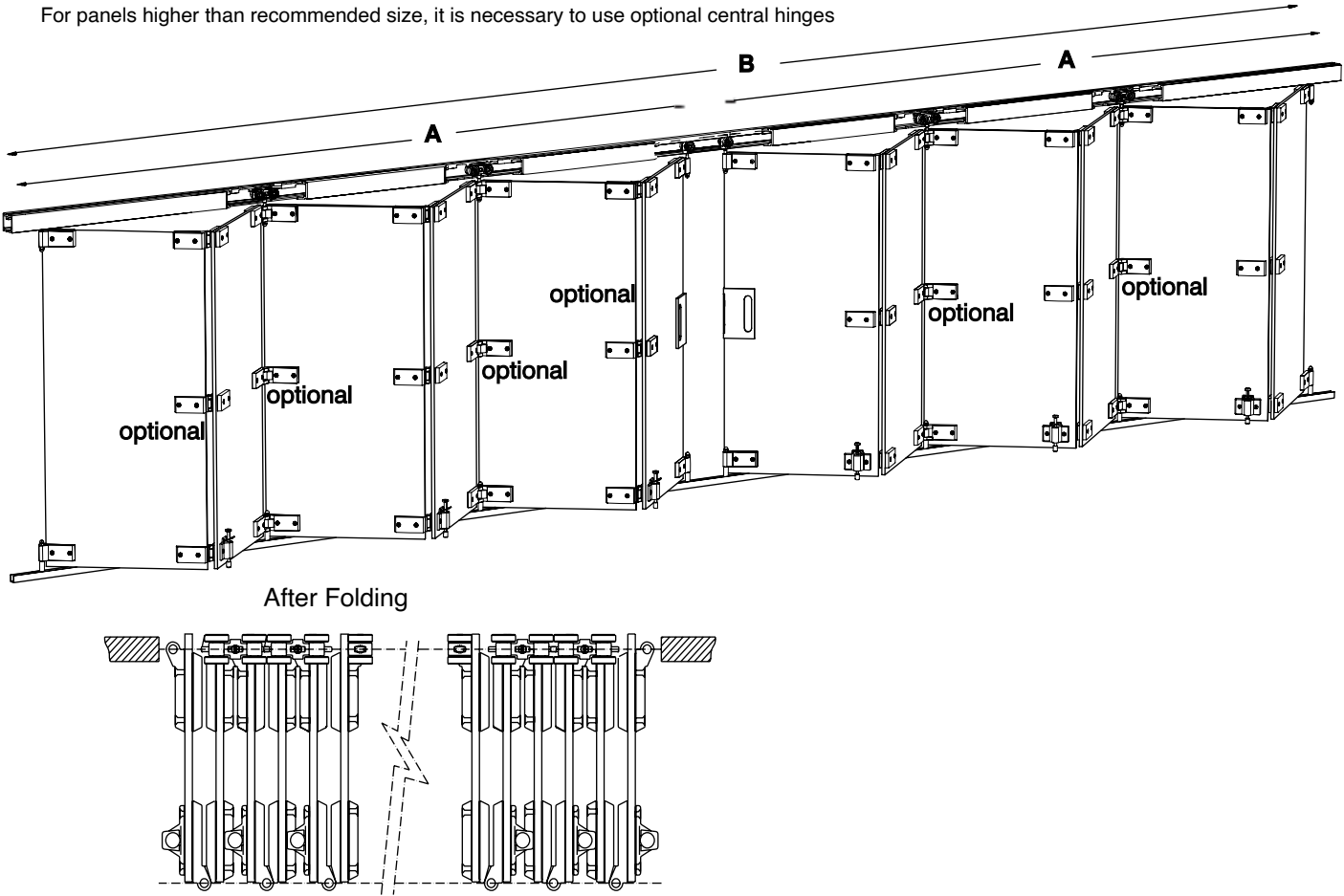
Note: The first & last panels are 24 mm bigger in width than others.  
Please refer to the cutout drawing before glass preparation or check with Hafele representative.  
Cut-out for handle needs to be made as per the handle chosen.

Installation: For 2/4/6 Panels

For 2 Panels      For 4 Panels      For 6 Panels

A = Max 1500 mm	A = Max 3000 mm	A = Max 4500 mm
B = Max 3000 mm	B = Max 6000 mm	B = Max 9000 mm

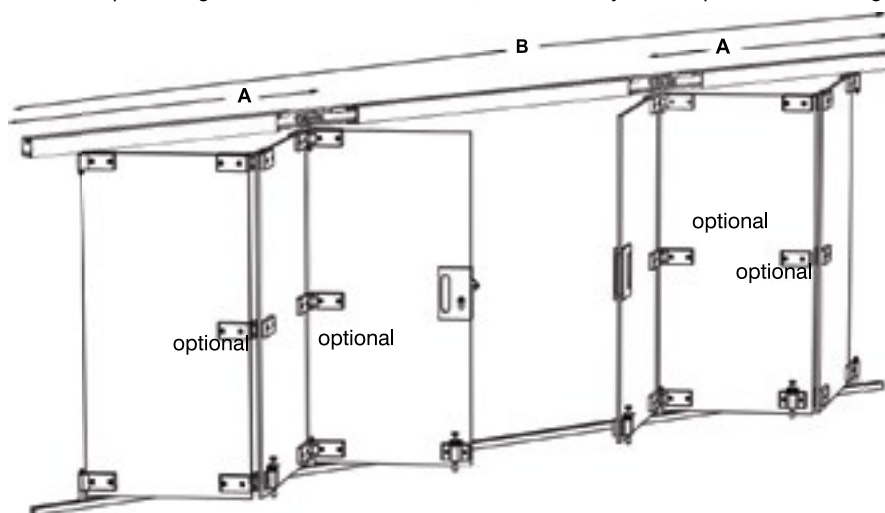
For panels higher than recommended size, it is necessary to use optional central hinges



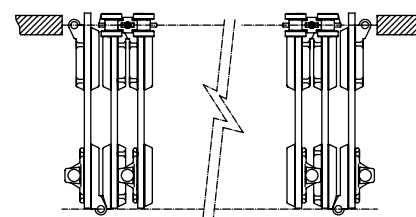
Installation: **For 2/4/6 Panels****For 3 Panels****For 5 Panels**

<b>A = Max 2250 mm</b>	<b>A = Max 3750 mm</b>
<b>B = Max 4500 mm</b>	<b>B = Max 7500 mm</b>

For panels higher than recommended size, it is necessary to use optional central hinges



After Folding

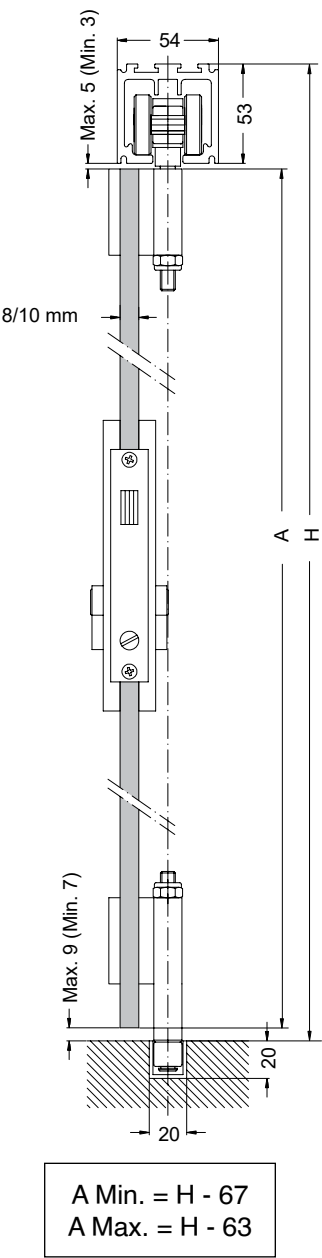


## Sliding System Components:

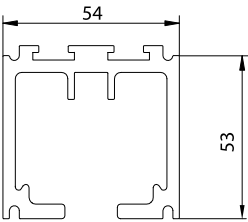
Article No.	2 Panel		3 Panel		4 Panel		5 Panel		6 Panel	
	A (2 Panels)	B (2+2 Panels)	A (3 Panels)	B (3+3 Panels)	A (4 Panels)	B (4+4 Panels)	A (5 Panels)	B (5+5 Panels)	A (6 Panels)	B (6+6 Panels)
943.39.020	1	2	—	—	1	2	—	—	1	2
943.39.022	1	2	—	—	1	2	—	—	1	2
943.39.023	—	—	1	2	1	2	2	4	2	4
943.39.024	1	2	1	2	2	4	2	4	3	6
943.39.025	—	—	1*	2*	1*	2*	2*	4*	2*	4*
943.39.026	—	—	1	2	1	2	2	4	2	4
943.39.027	1	2	1	2	1	2	1	2	1	2
943.39.028	1	2	1	2	1	2	1	2	1	2
943.39.029	—	—	1*	2*	—	—	1	2	—	—
943.39.030	1 or 2*	2 or 4*	1 or 2*	2 or 4*	2 or 4*	4 or 8*	2 or 4*	4 or 8*	3 or 6*	6 or 12*

\*Note: Only to use if panel size is above 2400 mm, otherwise not applicable.

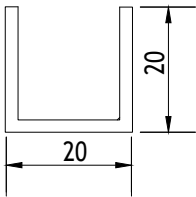
Section View:



Track Dimension:



Bottom Track Cross Section:



## DESIGN TELESCOPIC PROGRESSIVE 80




Telescopic progressive sliding system for glass doors




Hardware Specification:

- Top hung straight sliding system for glass doors in internal spaces
- High quality parts and components manufactured in Europe
- Maximum 3 doors on one side are allowed
- When one door is pushed or pulled, the other doors move simultaneously in tandem
- The floating bottom guides are installed on the sliding doors keeping them hidden when the doors are parked. This leaves a completely free passage
- The roller and hanger are made of Zamak which reduces the risk of rusting and damage
- Ground shielded ball bearings inside the rollers enable silent and smooth operation
- Mechanism is available for both left hand and right hand doors
- **No glass preparation (cut-out) required**





Kit for two doors - 941.27.436  
Sliding door kit consists of:

- 4 Rollers
- 4 Carriage set
- 4 Stoppers
- 1 Fixed bottom guide
- 1 Floating bottom guide
- 2 Pulley
- 1 Belt
- 1 Supporting Brackets and accessories



Kit for three doors - 941.27.437  
Sliding door kit consists of:

- 6 Rollers
- 6 Carriage set
- 6 Stoppers
- 1 Fixed bottom guide
- 2 Floating bottom guides
- 4 Pulleys
- 2 Belts
- 1 Supporting Brackets and accessories

	Product Name		Article No.
	Aluminium anodized top track (Note: Track to be ordered separately)	3600 mm	940.99.604

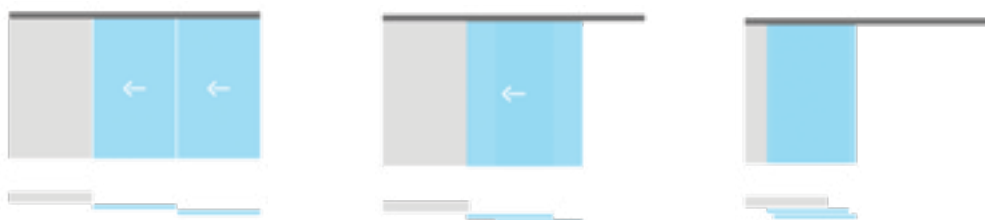
## Technical Specifications

### THE MOVEMENT OF THE DOORS Design 80 Telescopic Progressive

#### Three Doors



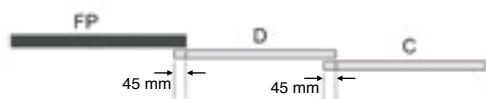
#### Two Doors



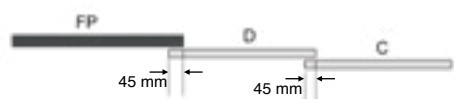
### INSTALLATION POSSIBILITIES FOR TELESCOPIC PROGRESSIVE SYSTEMS

#### For Two Doors

##### Levelled System

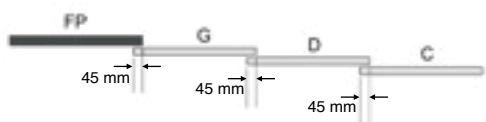


##### Overlap System

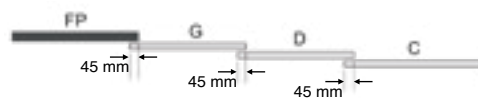


#### For Three Doors

##### Levelled System



##### Overlap System



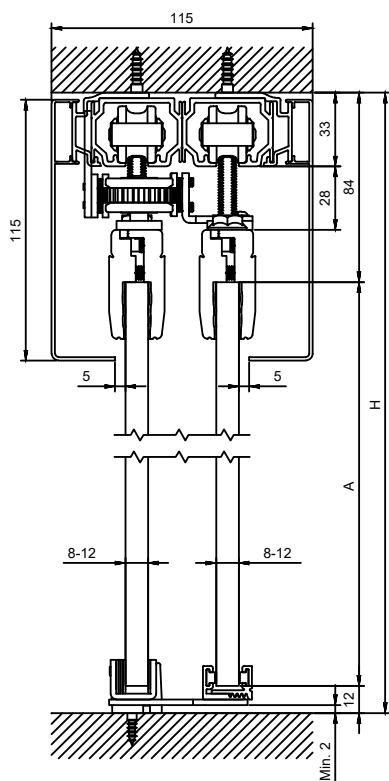
Note 1: The fixed panel can be wood or glass for both the Telescopic Progressive systems. The overlap system is useful when you want to install handles on both the sides of the exterior door

# Installation

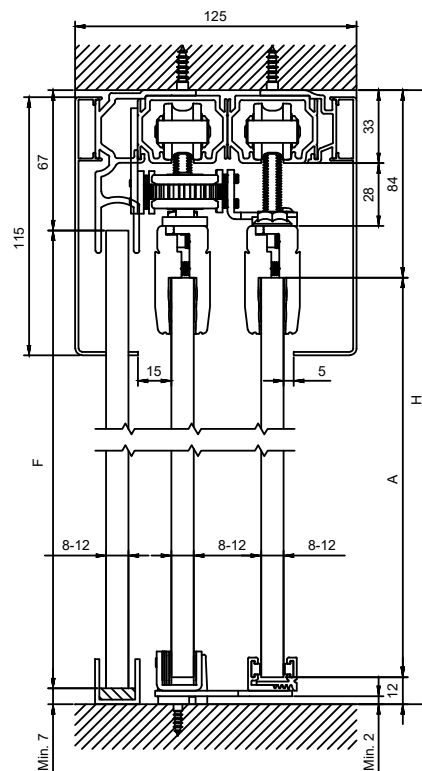
Design 80 Telescopic Progressive

A = Height of Sliding Door; H = Total Opening Height

## For Two Doors Section View:



A = H-96

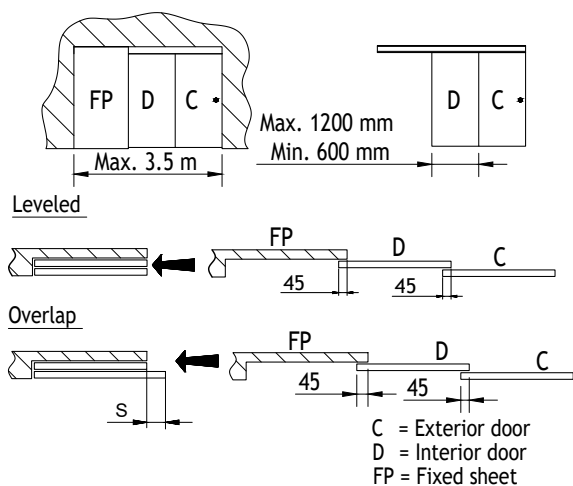


A = H-96

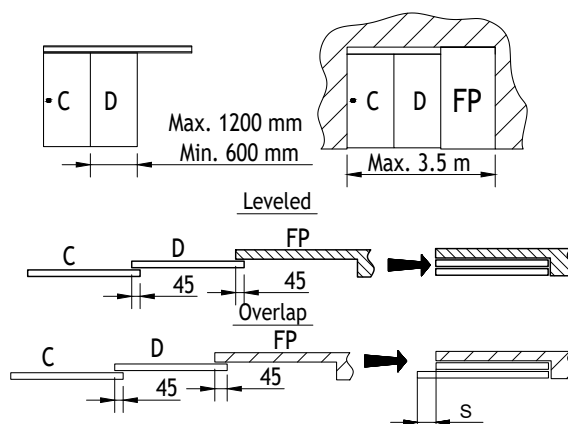
F = H-74

F = Fixed Glass Height

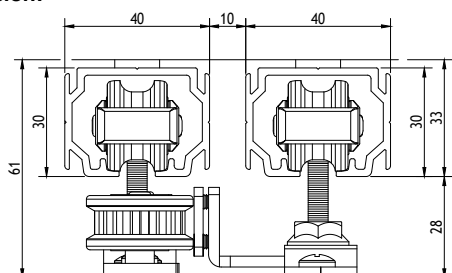
## LEFT



## RIGHT



## Track Dimension:

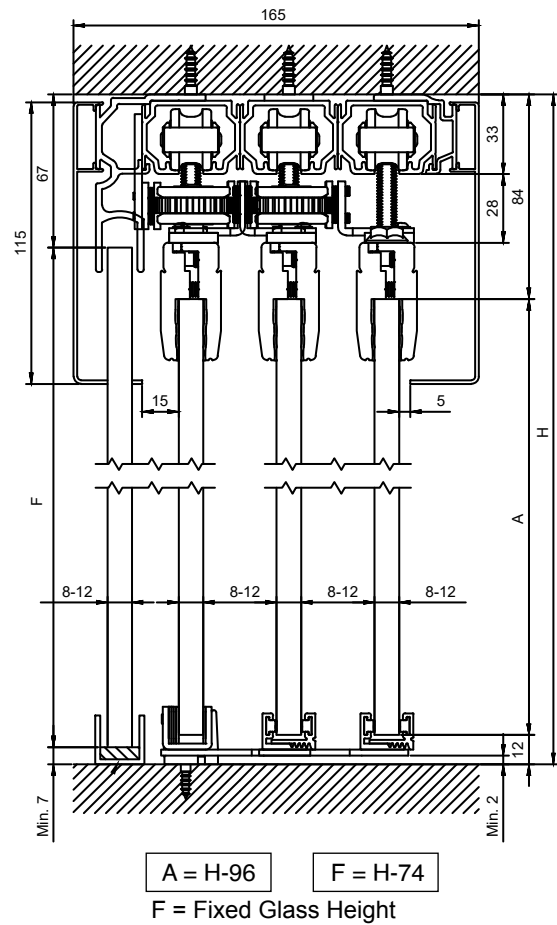
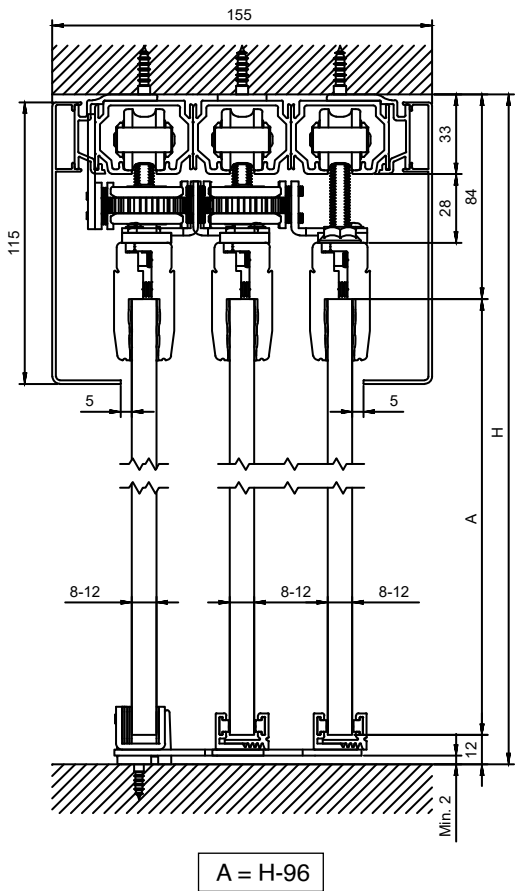


## Floating Guide Cross Section:

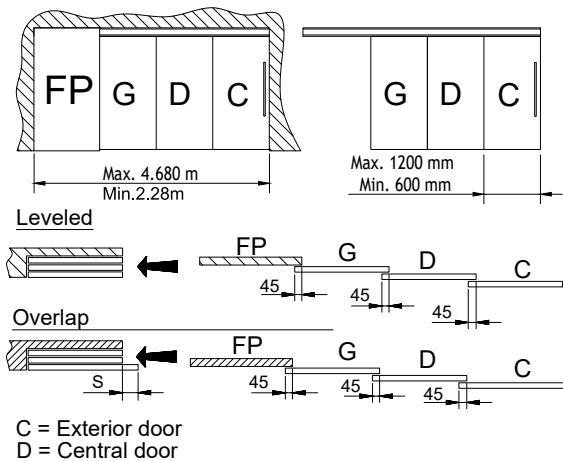


Section View:

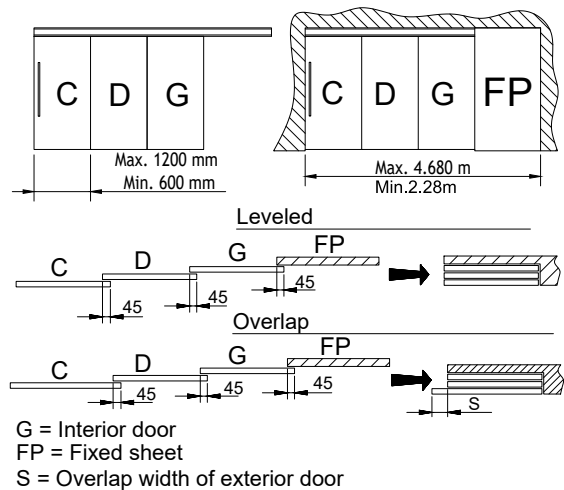
For Three Doors:



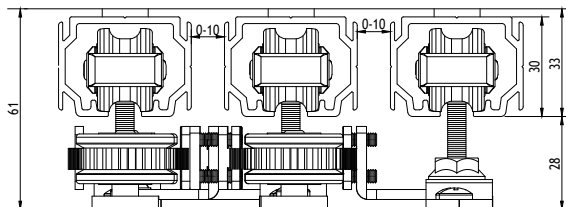
LEFT



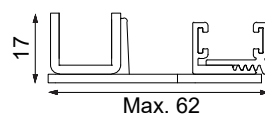
RIGHT



Track Dimension:



Floating Guide Cross Section:



## ECLIPSE 40

Special  
Order



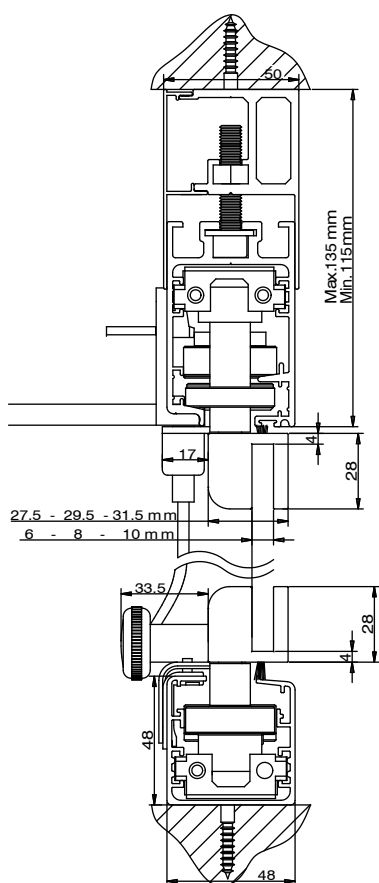
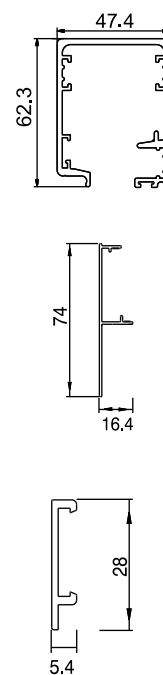
Sliding folding stacking system for glass door.



**Hardware Specification:**

- Ideal for dividers and glass doors
- Right or left stackable parking system
- Mobile, practical and versatile closing system
- System can be installed with or without lower profile
- High sealing system
- For 6, 8 and 10mm glass

Order to be based on specifications and requirement of the customer

**Technical Specifications****Section View:****Application 1****Track Dimension:**

## ECLIPSE 150

Special  
Order



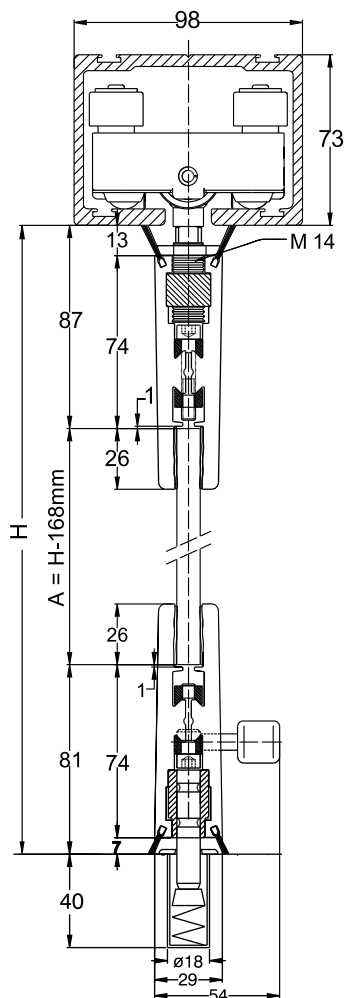
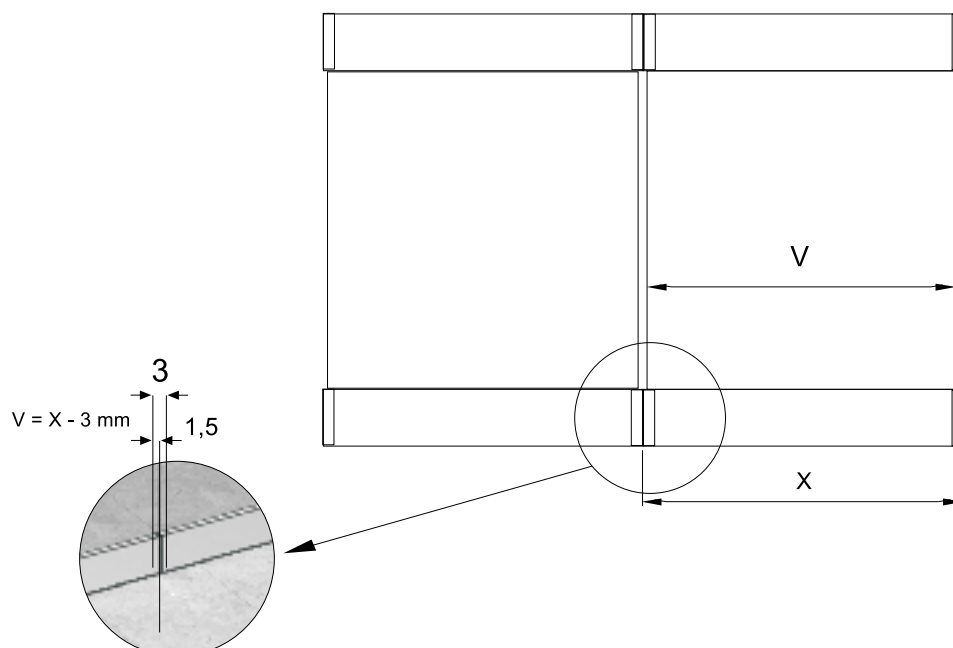
Sliding folding stacking system for glass door.  
Also available in Timber

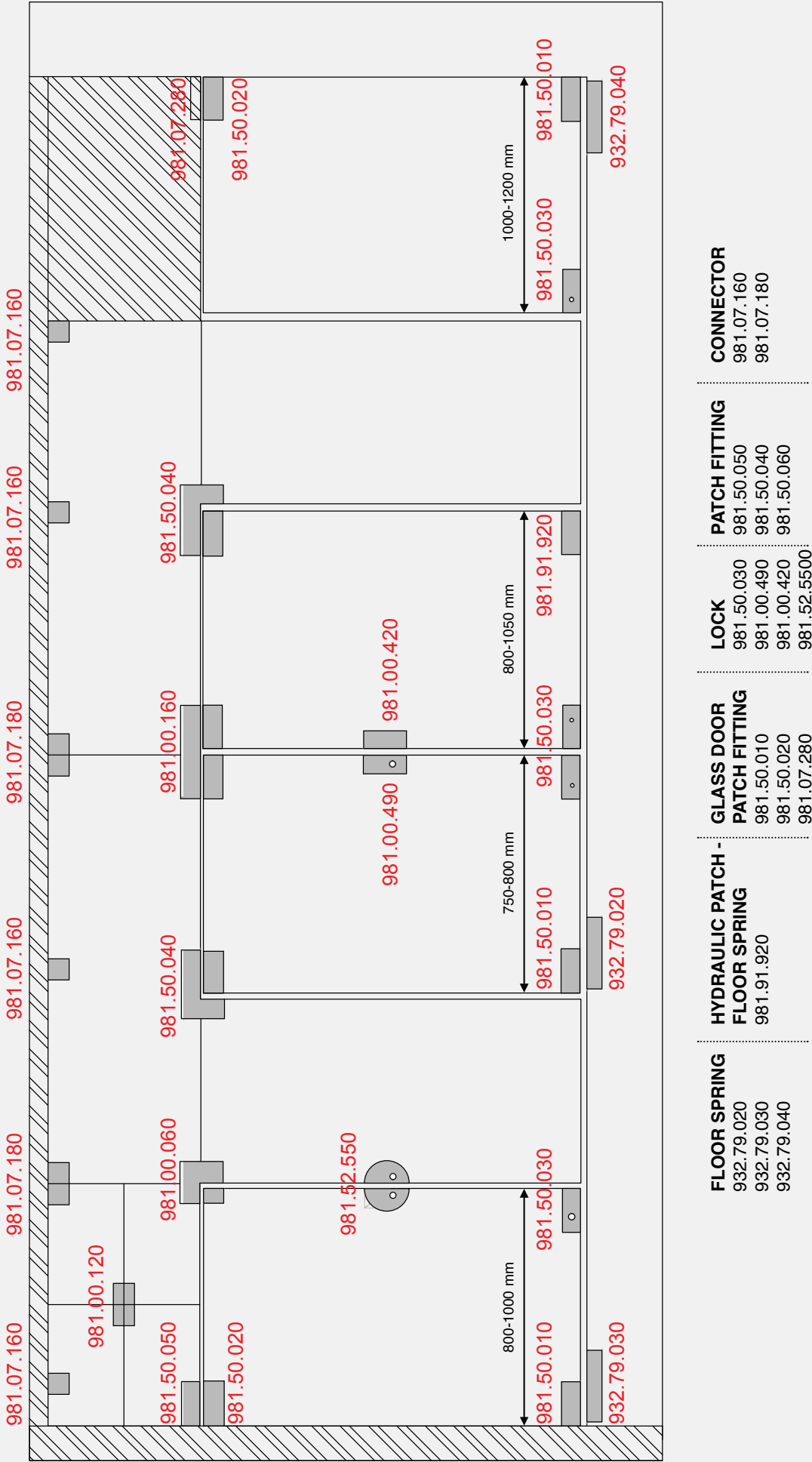


**Hardware Specification:**

- Ideal for dividers and glass doors
- Ideal for large areas and closing elements
- 90° perpendicular parking system
- No lower profile
- For 10mm and 12mm glass
- Unlimited installation width

Order to be based on specifications and requirement of the customer

**Technical Specifications****Section View:****Elevation View:**



## NOTES

[illegible]

## NOTES

[illegible]

## NOTES

[illegible]

**Mumbai Design Centre:**

Haji Moosa Patrawala Ind.(SOBO)  
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**Mumbai Design Centre:**

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L.B.S. Marg, Bhandup (West),  
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2596 9787/2594 7305

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01844018433/ 01844018437.

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