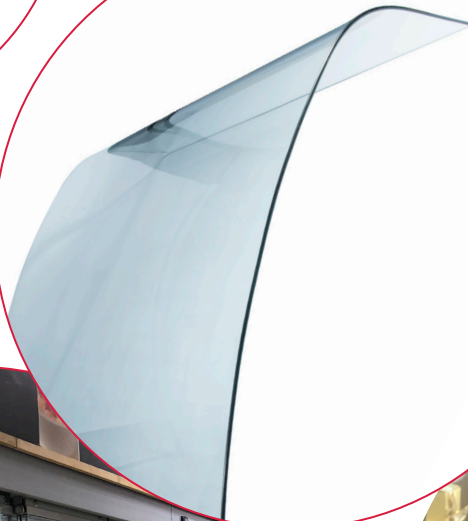
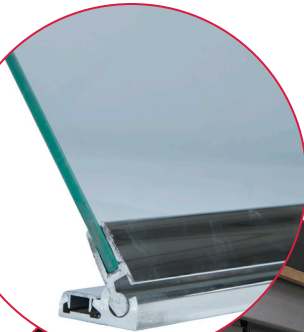
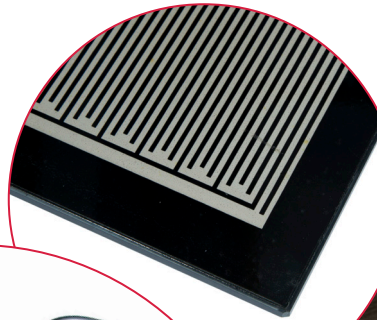




Curved Glass & Display Case Hardware

A world of
high quality
curved glass
& display case hardware



www.showmaster.co.uk
01772 457361

INDEX

3	Toughened High Glass
4	Toughened Glass Sneeze Screens
5-6	Non-Toughened Sneeze Screens or High Glass
7	R20 90° Curved Glass
8	UV Bonded Display
9	Dual Glazed Sliding Doors
10	Single Glazed Sliding Doors
11	Dual Glazed Hinged Doors
12	Hot Plates
13	Tilt Forward for Glass
14	Glass Accessories
15	Nightblinds
16-23	Vieler Type 100 Vertical Tilt Forward Front Face Mounted Tilt Forward
24-30	Vieler Type 120 Vertical Tilt Forward Top Face Mounted Tilt Forward
31-38	Vieler Type 130 Vertical Tilt forward Hidden Behind Front Facia (Invisible)
39-54	Vieler Cube 4 Straight Glass Lift Up System
55-59	Vieler Cube 4 Front Lift System for UV Bonded or R20 Glass Systems
60-71	Vieler Bistro 35 Aluminium Slotted Glass Support Posts
72-81	Vieler Self-Service Bakery Display Flap System
82-87	Vieler Type 220a Lift Up System
88-98	Vieler Type 420 Lift Up System for Spherical Glass
99-106	Vieler Type 570 2 Serve System One System For Assisted and Self-Service
107-113	Vieler Bread Gratings and Shelving
114-123	Vieler Bread System Series 3
124	Cisaplast Multideck & Coldroom Chiller Doors
125	Cisaplast Multideck & Coldroom Freezer Doors

TOUGHENED HIGH GLASS

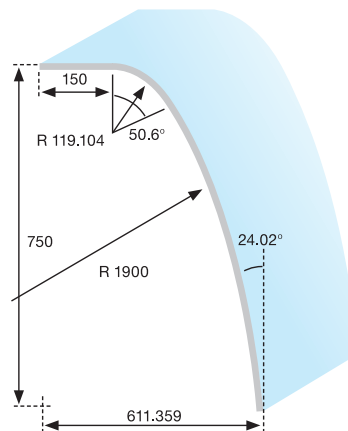
Stock toughened glass for high end display counters, suitable for delicatessen, bakery, butchers and coffee shops plus many more. Our standard range consists of the shapes OB, JP40 and VB1187DL and there are many more shapes available to order. All of the stock glasses are made in 6mm glass PAR and not only enhance aesthetics of the case but also improve the airflow for improved functionality. The glasses can be used in conjunction with many of our tilt forward and lift up systems.

We can also offer non-toughened versions with a safety film of all these glasses should you require a different length, depth or if you need holes in a specific place.

Stock Lengths (mm)

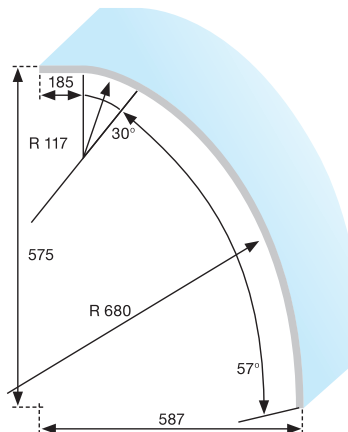
OB

- ▶ 943mm
- ▶ 1243mm
- ▶ 1443mm



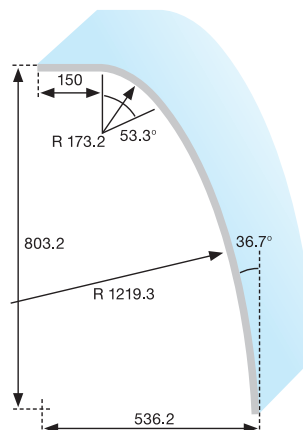
VB1187DL

- ▶ 943mm
- ▶ 1243mm
- ▶ 1443mm



JP40

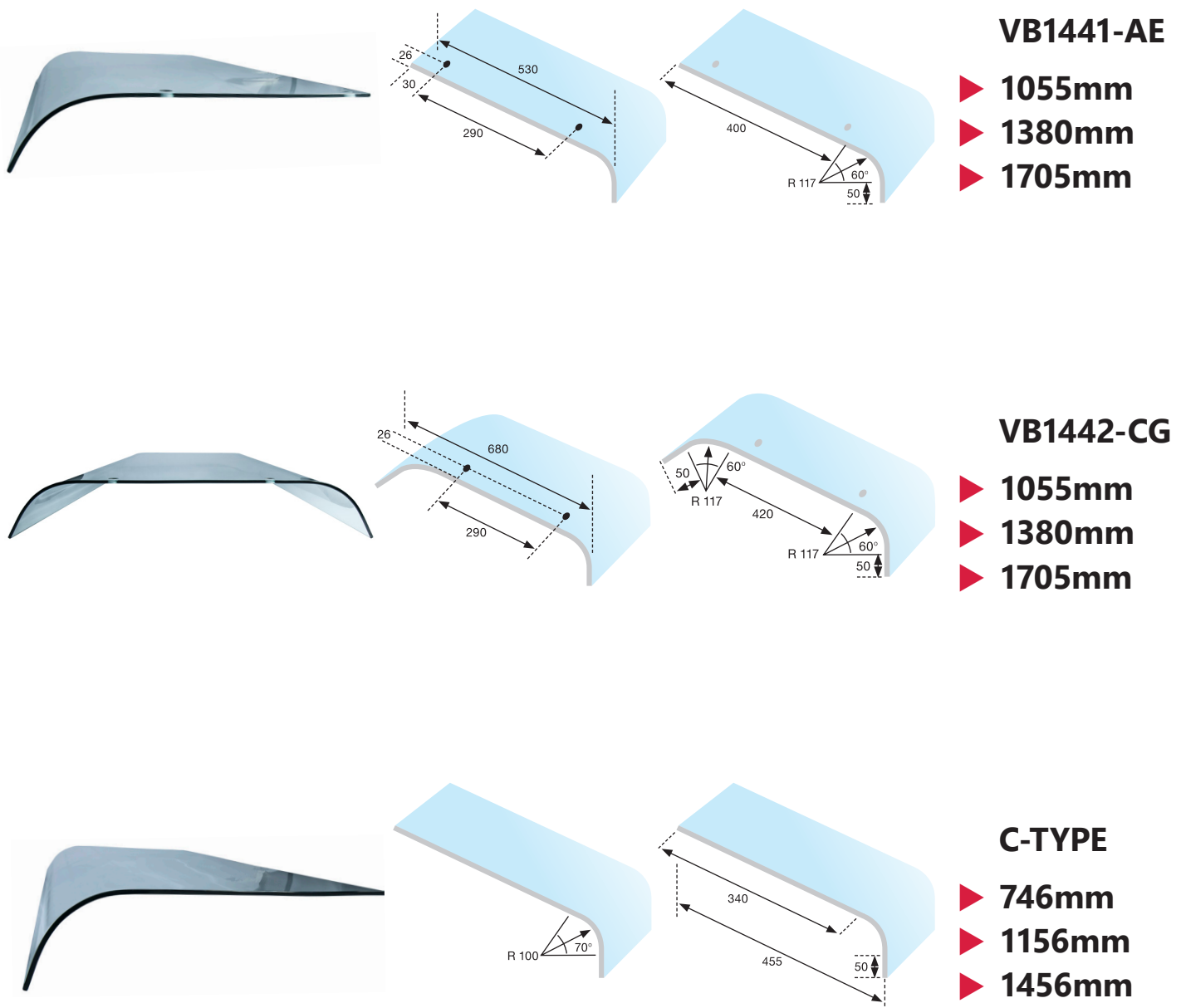
- ▶ 925mm
- ▶ 1180mm
- ▶ 1360mm



TOUGHENED GLASS SNEEZE SCREENS

Showmaster toughened glass sneeze screens are produced in 6mm PAR glass. We have the single curve VB1441AE and the double curved VB1442CG. Both of these models have pre-drilled holes and both are available in three different lengths.

Our third sneeze screen in the range is the C-Type, this screen does not have any holes and is available in four lengths. These glasses are also produced in 6mm PAR. As with all of our toughened glass range the length, depth and position of holes can be altered by supplying our non-toughened glass with a safety film.



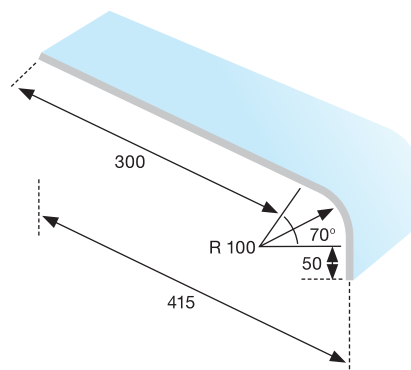
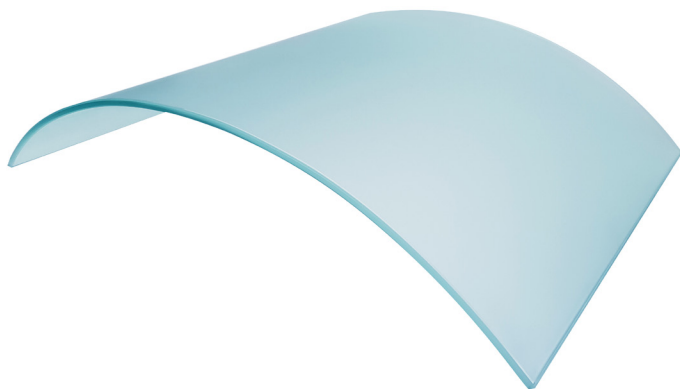
NON-TOUGHENED SNEEZE OR HIGH GLASS

THERE ARE ENDLESS OPTIONS FOR CURVED GLASS SHAPES

Showmaster non-toughened glass can be made to almost any dimension, we have the capability to produce glass for sneeze screens and full glass front display cases. Manufactured in our own facility in the UK using our two large kilns and our own unique moulds. We can also bend glasses from your own template, this is especially useful for replacing damaged glass on any display counters.

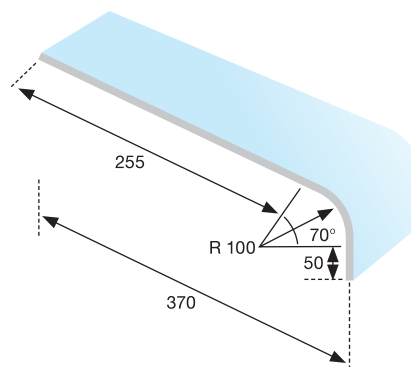
We have many options for curved glass and produce a huge amount of different shapes and dimensions from a simple template. We do have some restrictions on the tightness of bends and most of our glasses are produced in 6mm thickness. We can also manufacture using 8mm and can even do some shallow bends using 10mm glass.

We normally apply a clear safety film to each glass but we also have the option of frosted, mirror or coloured.



NT303

Non-tempered
sneeze screens
available up to
2200mm



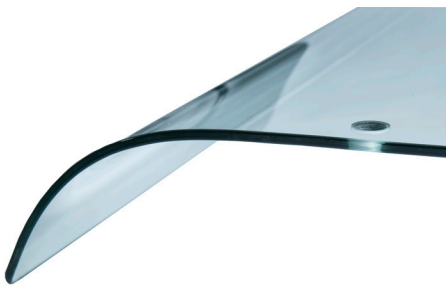
NT303S

Non-tempered
sneeze screens
available up to
2200mm

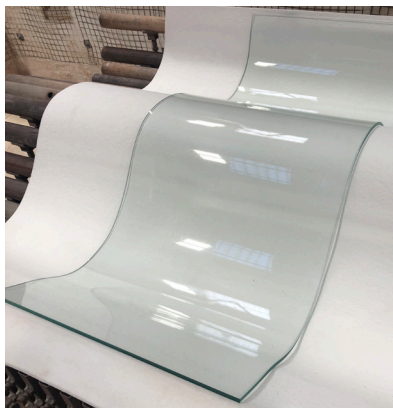
HOW CAN WE HELP YOU?

Showmaster have been producing curved glass for the majority of OEM's in the UK for over 30 years. Not only can we replicate glass from counters from UK companies we can also produce glass for imported cases.

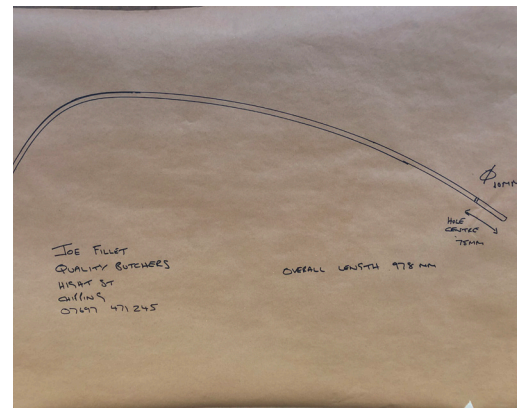
There is no need to throw away a perfectly good display because the counter is obsolete, we can help you out!



Typical Curve



Creative Design



Simple Template

For some types of counter we may know the shape of the glass from the manufacturers name. If this is unknown we can simply produce the glass from a template. By using the piece of glass next to the broken one simply turn this on end resting on a piece of cardboard or brown paper. Draw around the inside and the outside of the curve. Measure the length of the glass and also the position of any holes (plus the diameter) and send this to us. We can then produce a unique mould for your glass and bend this in our specially designed kilns.

Our own glass production is non-toughened and each glass is fitted with a safety film which can be used on both hot and cold counters.



Gas Fired Kiln



Bar Mould



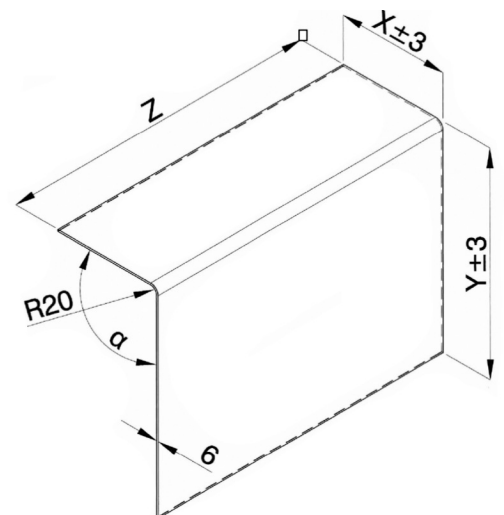
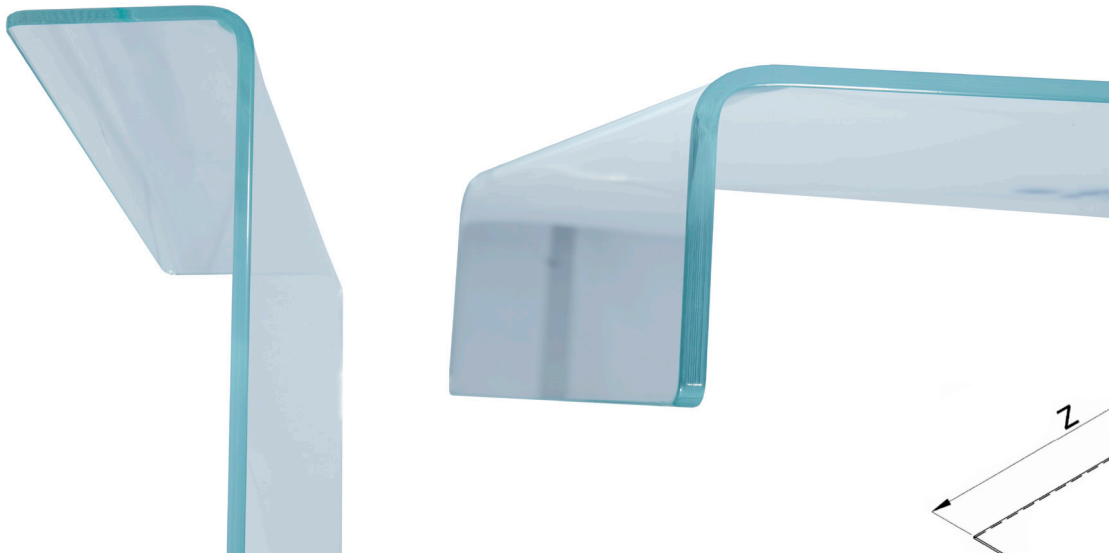
Diamond Drill Holes

R20 90° CURVED GLASS

We are delighted to introduce this latest innovation in to our curved glass range with a world's first, the R20 glass. This glass is both unique, aesthetically pleasing and already in huge demand across the display case and shower enclosure world.

This glass with a 90° angle and a radius of only 20 is made using the very latest hi-tech production techniques not seen in the curved glass industry before. This glass shape can be used in numerous locations for counters and shower screens.

The R20 glass is available in 6mm, 8mm, 10mm and 12mm glass.



	Min	Max
X	100mm	350mm
Y	300mm	1000mm
Z	250mm	2100mm
a	85°	125°

UV BONDED DISPLAY



We have produced many different designs of UV bonded display cases and they can be seen in some of the most prestigious stores and restaurants in the UK.

Restaurants, jewellers, coffee houses, contract catering companies, cafés, fast food outlets, mobile food vendors and antiques shops have benefited from our expertise and desire to produce the most visually pleasing display cases.

For giving your customers the best possible way of showing off their products look no further than Showmaster UV bonded display systems.

At Showmaster we are unique in our UV bonding capabilities as we can not only make rectangular boxes we can also UV bond our curved glass.

Our research in this area has led us to develop a system that offers you the highest possible standards of manufacture and aesthetics.

We can supply UV bonded units with a variety of extras including shelves, sliding doors and LED lighting.



DUAL GLAZED SLIDING DOORS

Showmaster dual glazed sliding doors are now an industry standard product. They are constructed using a strong aluminium frame which houses the aluminium doors. We are totally flexible on dimensions and can produce them in the exact dimensions that you require for your case build. Simply provide the width and the height of the recess and we will take care of the rest.

The door frame is easily installed and the doors simply slot in to the recess. The doors glide on the wheel bearing rollers and form a tight seal when closed to avoid any cold or heat loss.



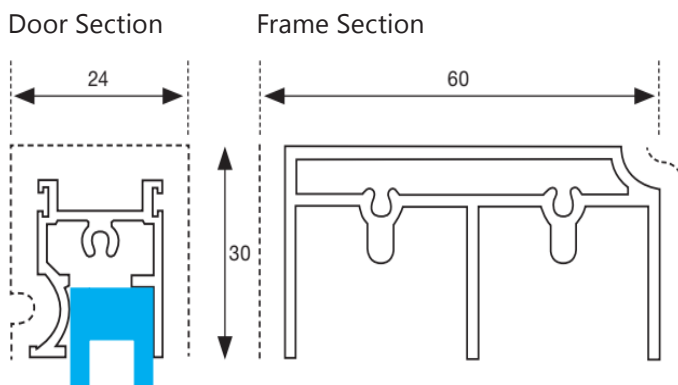
Optional Lock



Fully Open



- ▶ Slim aluminium frame 60mm
- ▶ Dual glazed sliding doors
- ▶ Easy clean track
- ▶ Doors removed easily for cleaning
- ▶ Optional lock available
- ▶ Standard finish anodised silver
- ▶ Super strong construction
- ▶ Roller bearing wheels
- ▶ Air tight glass seal
- ▶ Soft silent door gasket
- ▶ Optional cut out for cleaning the track
- ▶ Optional bright polished finish available

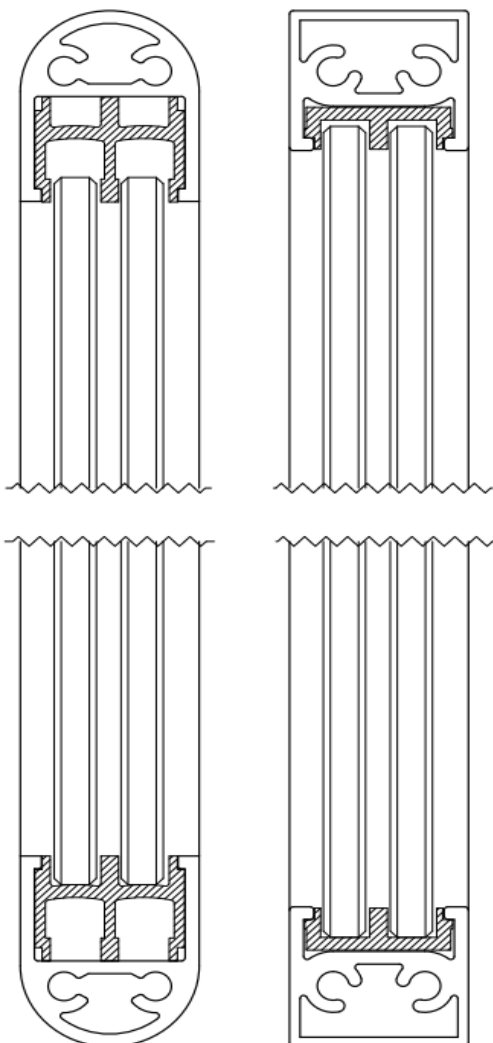


SINGLE GLAZED SLIDING DOORS

Showmaster single glazed sliding door profiles are provided from our well known partner from Germany, Vieler International. They can be supplied with a rounded or a square frame and with the option of the glass/perspex fixed in, or the removable type (only on the rounded shape).

They are ideal for the back of counters and help to conserve energy and reduce cold or heat loss.

The aluminium profile is beautifully engineered as you would expect from Vieler.



- ▶ Slim aluminium frame only 25.4mm depth
- ▶ Made from recyclable aluminium
- ▶ Easy clean plastic door runner
- ▶ Doors removed easily for cleaning
- ▶ Glass or perspex 6mm doors available
- ▶ Standard finish anodised silver
- ▶ Super strong construction
- ▶ Mirror backed film available enhancing the product display
- ▶ Made to measure to your dimensions
- ▶ Optional mounting shoe

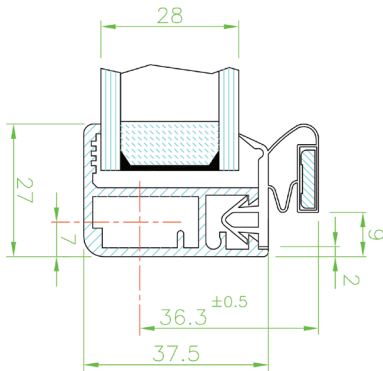
DUAL GLAZED HINGED DOORS

Showmaster dual glazed hinged doors are available in a number of options, colours, handles and dimensions. The smaller **Vista Bright** is made from aluminium and has a standard anodised bright finish (stainless steel looking). The larger **Vista Max** has a standard finish of anodised silver.

Both doors come complete with gaskets and The Vista Max range is also available with self-closing hinges and can be left or right handed depending on your case build. The doors are predominantly used on wine displays but can be adapted for any commercial use.

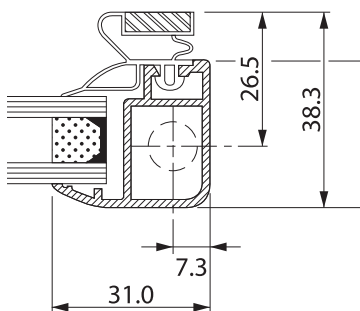
Although both versions have an anodised aluminium finish they can be powder coated to the RAL colour of your choice. There are many handle options also the T bar type or the more traditional D pull handle are the most common used and are available in various lengths.

We can make almost any dimension of door to suite the profile of your cooler or display case.



Vista Max

Maximum dimensions 2000 x 700



Vista Bright

Maximum dimensions 1250 x 500

HOT PLATES

Showmaster hot plates are made to the highest technical specifications. They are produced in 6mm black toughened glass and have a screen printed element with simple spade connections. We have five standard dimensions available and can produce other dimensions for large quantity orders.



6mm black toughened glass



Screen printed heater circuit

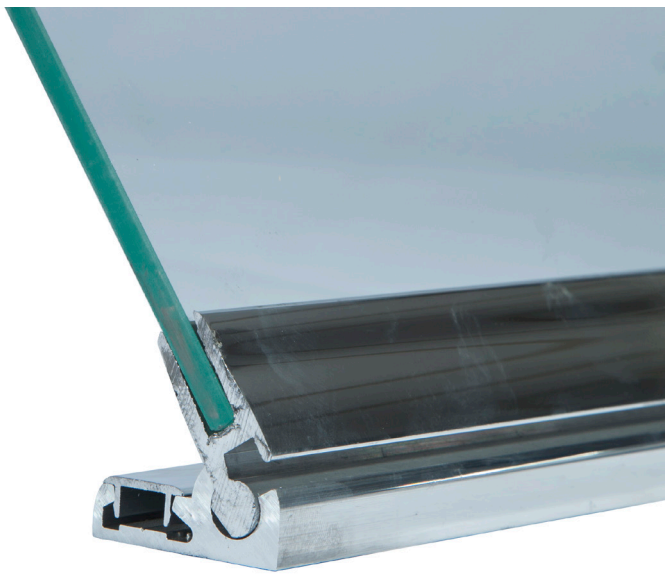
Dimensions (mm)	Watts on start up	Watts when running	Temperature
530x325	350	280	95°C
500x400	430	350	95°C
500x500	485	380	95°C
600x500	575	450	95°C
607x407	450	340	95°C

TECHNICAL INFORMATION: It is very important that an air gap of 25mm is left between the underside of the hot plate and the surface of the counter below. It is particularly important not to have any insulation material touching the hot plate.

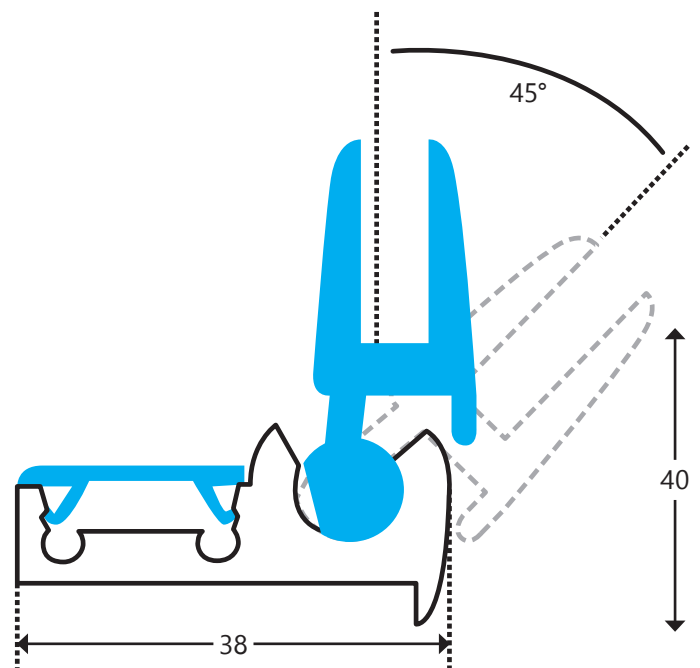
The hot plates should be operated with a simmer stat and wired in parallel.

TILT FORWARD FOR GLASS

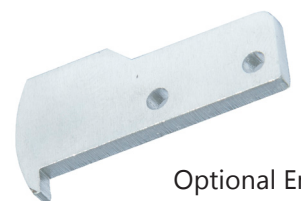
Showmaster tilt forward is the perfect way to fix either curved glass or straight glass to a counter. Available in an anodised aluminium or the more commonly used polished version giving a stainless-steel look. Available in up to 3 metre lengths and with or without the front nib.



Without Nib



With Nib



Optional End

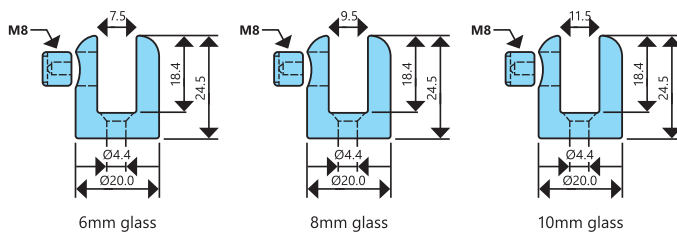
- ▶ Supplied with or without nib
- ▶ Polished or anodised finish
- ▶ Optional end cap
- ▶ Suitable for 6mm glass
- ▶ Available from stock
- ▶ Easy to fix

GLASS ACCESSORIES

Showmaster chrome glass holders for 6mm, 8mm and 10mm glass.
Finished in silver.



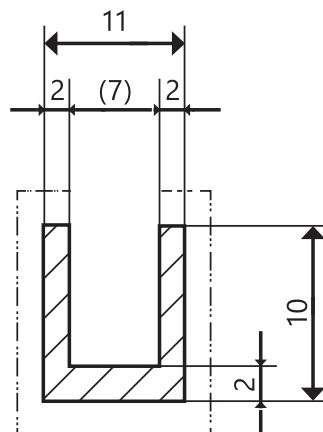
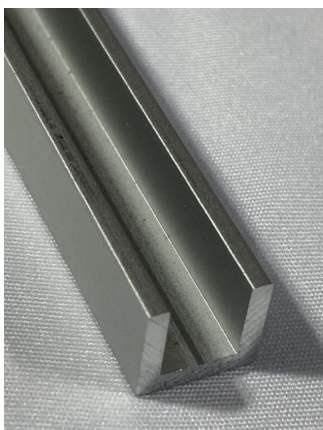
6mm glass



Silver plastic edging strip available in both 6mm and 10mm for extra protection to the edge of any glass area normally accepted as the weakest point on any glass. The silver plastic strips are suitable for both hot and cold display cases and the strips fit tightly on to the glass to prevent any dirt traps. They can be supplied from stock in any length up to 3000mm.



6mm aluminium anodised glass channel available in any length.



Glass safety chains are made from high grade stainless steel chain and coupled to a chrome bracket and fixing point. They can be made to any length required and are readily available. They are used with 6mm glass which fits all of our curved glass options.



NIGHTBLINDS

Showmaster thermoshield nightblinds are protective curtains designed to be used on display cases displaying perishable goods.

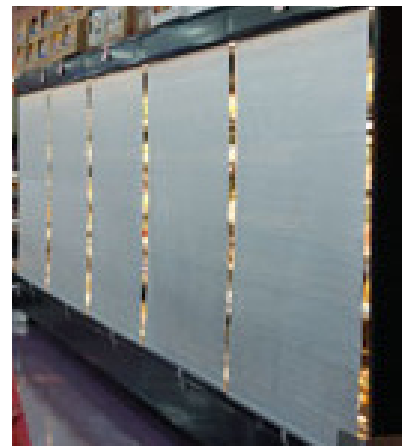
Providing thermal insulation and minimising condensation allowing the end user to save energy and reduce running costs.



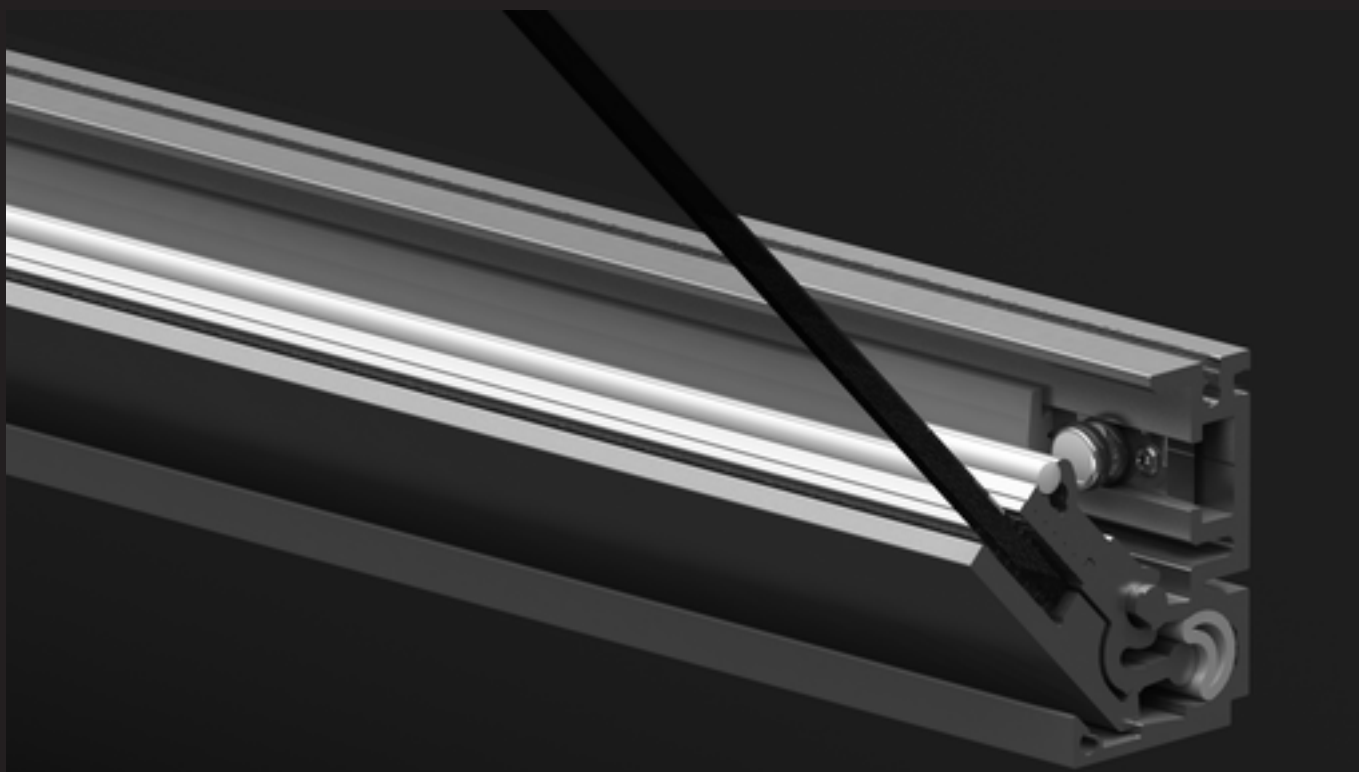
The brackets and tubes are aluminium making them rustproof for longevity. This material is guaranteed to be rigid and perfectly straight when installed on a case. The springs are made from stainless steel as these are the most critical part of the blind. The roller mechanism has undergone many thousands of test openings to ensure they will last for many years.

The standard colour of the blind is grey but other options are available on request if there is a significant quantity.

We stock any length up to 2000mm including the end brackets. Each blind has a drop of up to 2050mm which means that one size fits all!

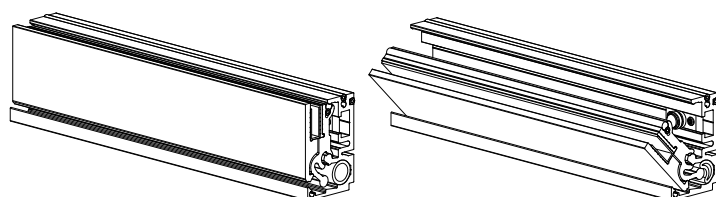


Type 100
Series 100 (without struts)



Product characteristics

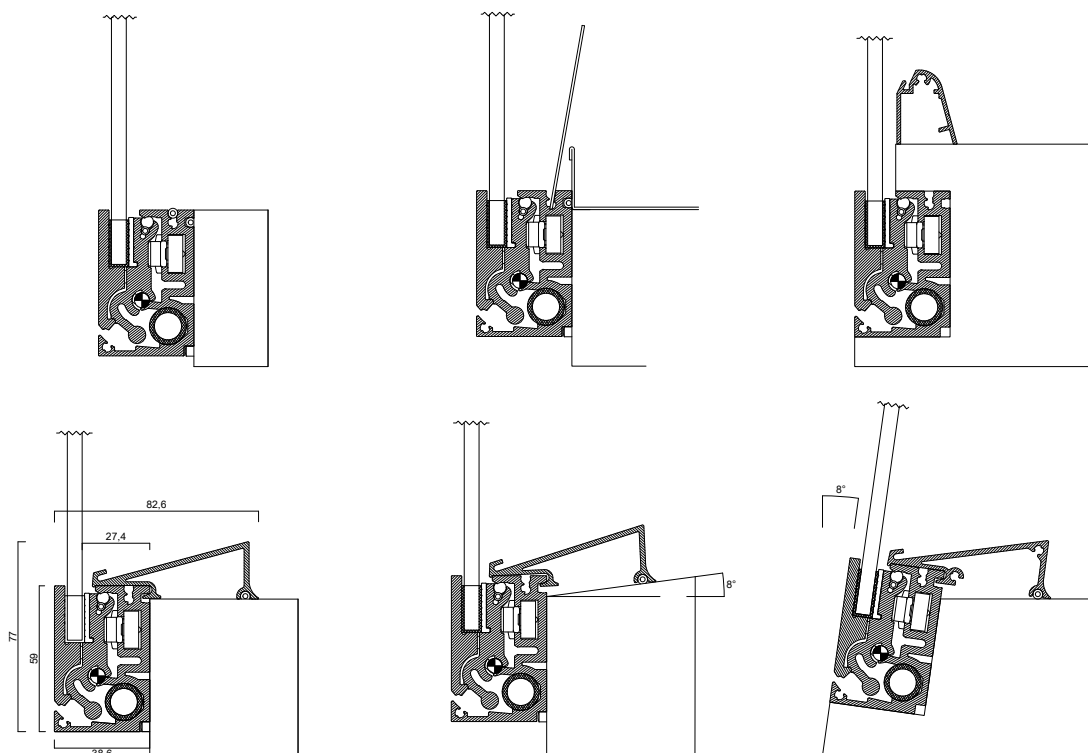
- extremely small with 39 x 59 mm
- with locking function
- adjustable front glass
- damped opening of the glass (6 mm; 8mm)
- integrated upright price tag rail
- optional flat price tag rail
- removable glass front
- heating cable possible
- user-friendly assembly



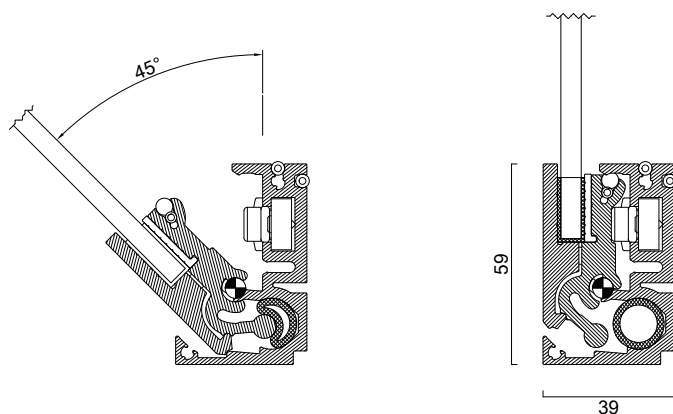
Planning information

- assembly in front or on top of the case body
- assembly for upright or flat display
- maximum glass height 800 mm for vertical front glasses without struts (special solutions on request)
- flat price tag rail fixed on assembly, no additional fixing material needed

Hardware variations



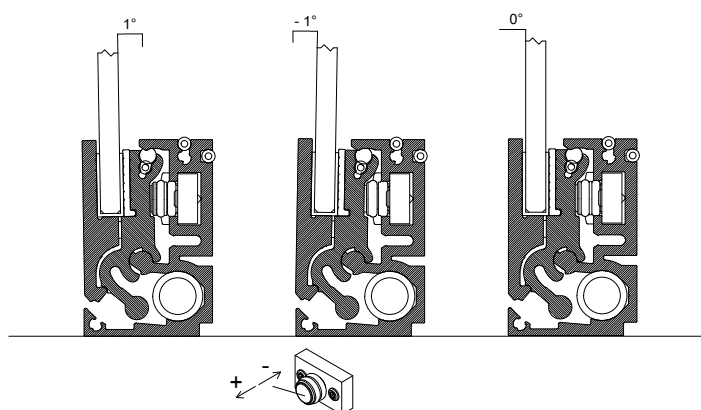
Tilting of front glass



Damped final position.

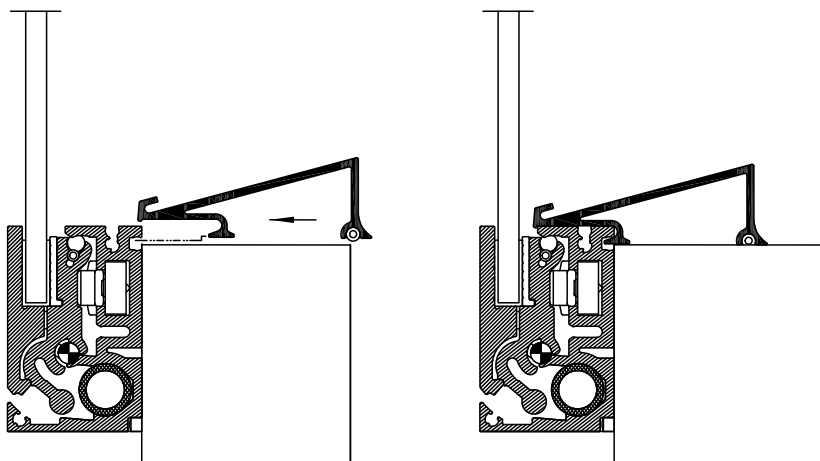
Vertical locked position.

Adjustment of front glass



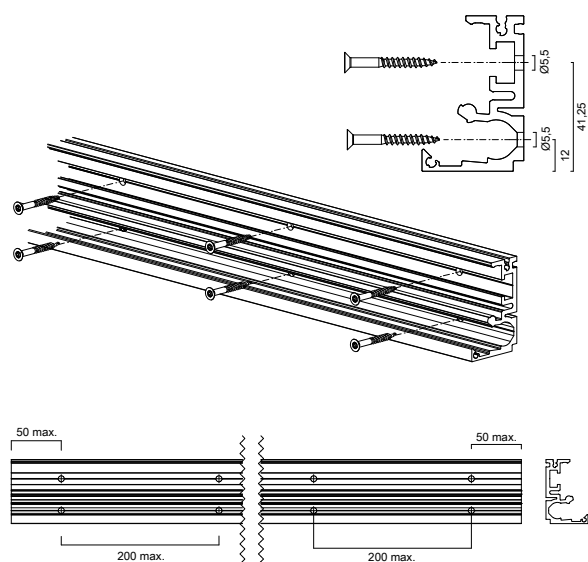
Use strikers to adjust inclination of front glass.

Insertion of price tag rail



Assembly

■ Hole pattern:



Drill position for assembly of base profile to case:

Fixing holes can be drilled by customer.

Horizontal centering of holes preset by the profile.

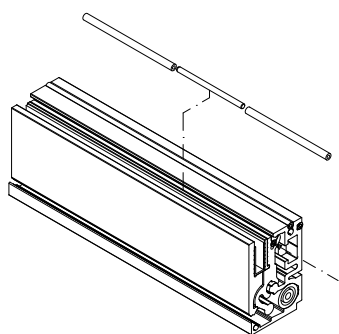
Screw distance max. 200 mm, screws Ø 5 mm with min. 30 mm length, screw positioning parallel, not shifted, in both grooves.

■ Adjustment of locking force:

Plastic rod 054.0650.086:
insert over total hardware length.

Silicone 054.0547.087:
shorten tube and insert sections in order to reduce locking force.

Cylinder pin 043.0771.070:
in order to increase locking force cut out up to three sections of silicone tube in regular intervals in the middle area of the hardware and replace the cut-outs by cylinder pins.



■ Lengths of relating hardware sections and front glass:

Length of front glass [mm] = length of base profile [mm] – 5 mm

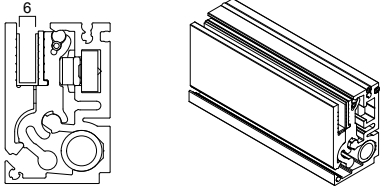
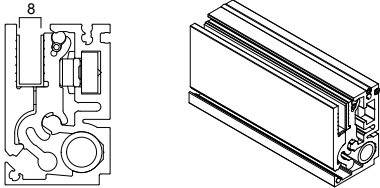
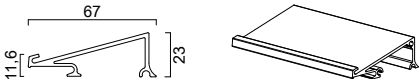
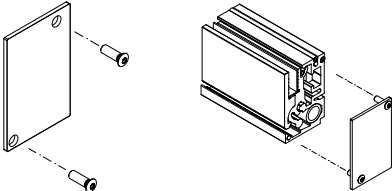
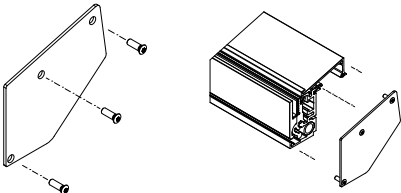
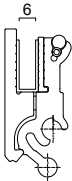
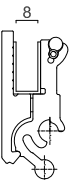
Length of glass clamp profile [mm] = length of base profile [mm] – 2 mm

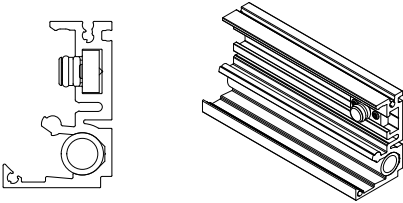
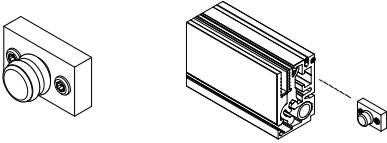
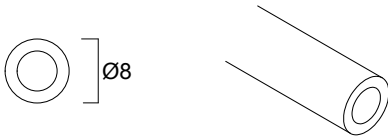
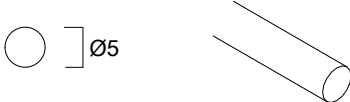
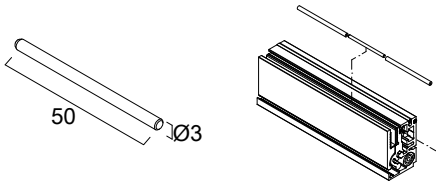

Glass clamp profile:
Max. distance of threaded holes from profile endings = 20 mm.

■ Front glass:

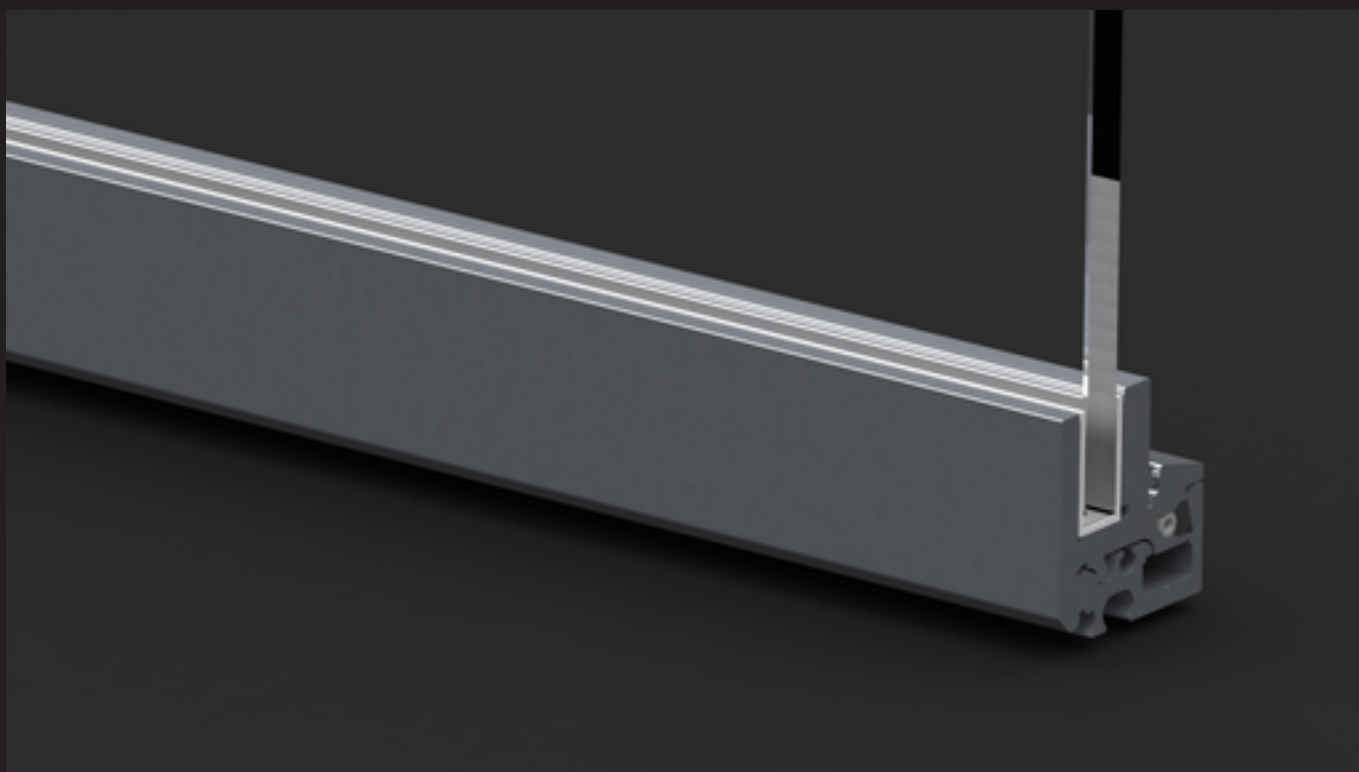
We recommend using tempered safety glass.
Please note that we assume no warranty on the glasses.

Type 100

Picture	Product	Part number
	Type 100 tilt-forward hardware complete for 6 mm glass incl. 8 strikers	5000mm 13.443.4530.XXX
	Type 100 tilt-forward hardware complete for 8 mm glass incl. 8 strikers	5000mm 13.443.4531.XXX
	Type 100 price tag rail reclining	5000mm 13.052.3534.XXX
	Type 100 end cap small for version without price tag rail	13.443.4502.XXX
	Type 100 end cap big for version with price tag rail	13.443.4503.XXX
	Type 100 glass clamp profile for 6 mm glass, complete incl. screw set	5000mm 13.443.4540.XXX
	Type 100 glass clamp profile for 8 mm glass, complete incl. screw set	5000mm 13.443.4541.XXX

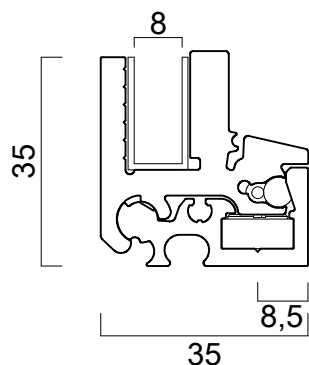
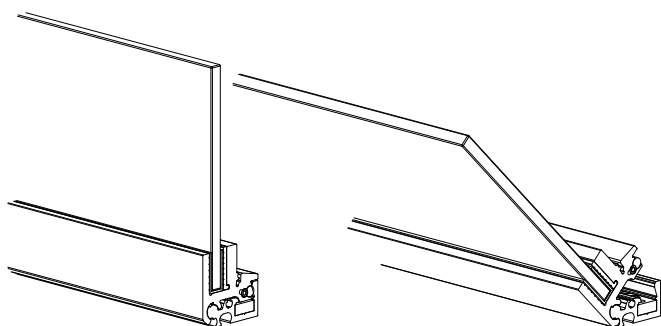
Picture	Product	Part number
	Type 100 base profile 5000mm	13.443.4550.XXX
	Type 100 striker VPE 8 Stk. VPE 1 Stk.	13.443.4512.000 13.443.4511.000
	Silicone, Ø 8 X 1,5 mm transparent damping profile 25m	13.054.0653.087
	Plastic rod total or partial insertion to control locking force 3000mm	13.054.0650.086
	Cylinder pin for strengthening of locking force installation under plastic rod 054.0650.086	13.043.0771.070
	Silicone, Ø 4 X 1 mm transparent 25m 5000mm	13.054.0547.087 13.054.0547.087.5000

Type 120
Series 100 (without struts)

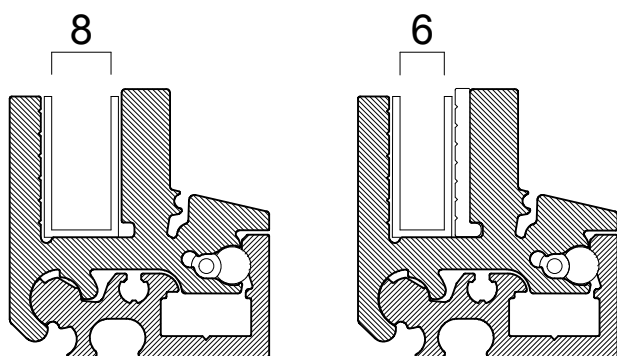


Product characteristics

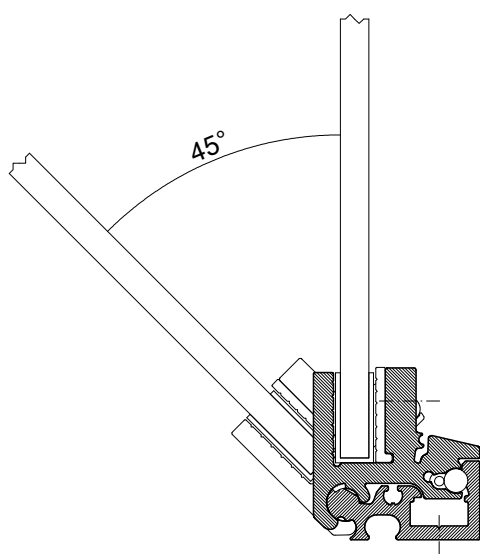
- tilt-forward hardware for assembly on top of counter
- small dimensions 35 x 35 mm
- force-limited locking
- adjustable front glass
- for front glass 6 mm and 8 mm
- glass height up to 500 mm
- integrated upright price tag
- removable glass front
- assembly of heating cable possible



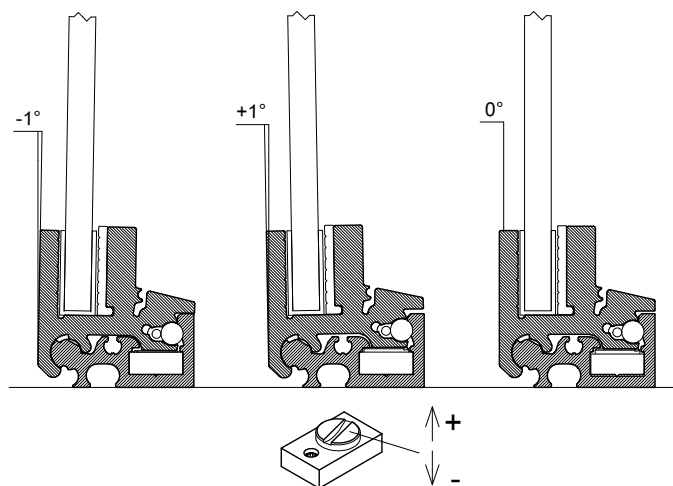
Planning information



Opening of front glass



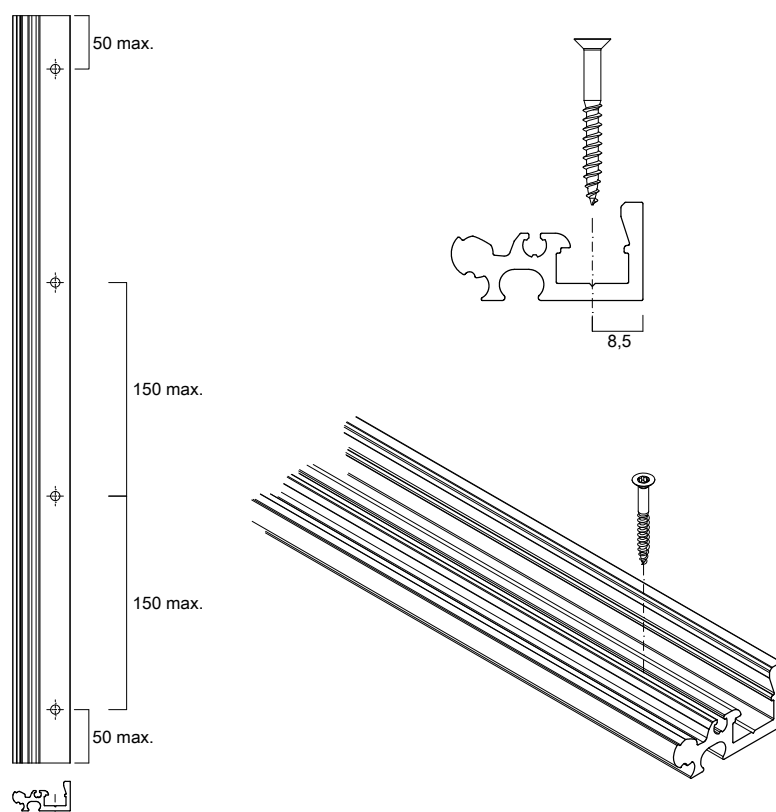
Tilting of front glass



Degree of tilting adjustable by strikers.

Assembly

■ Drill position of base profile:

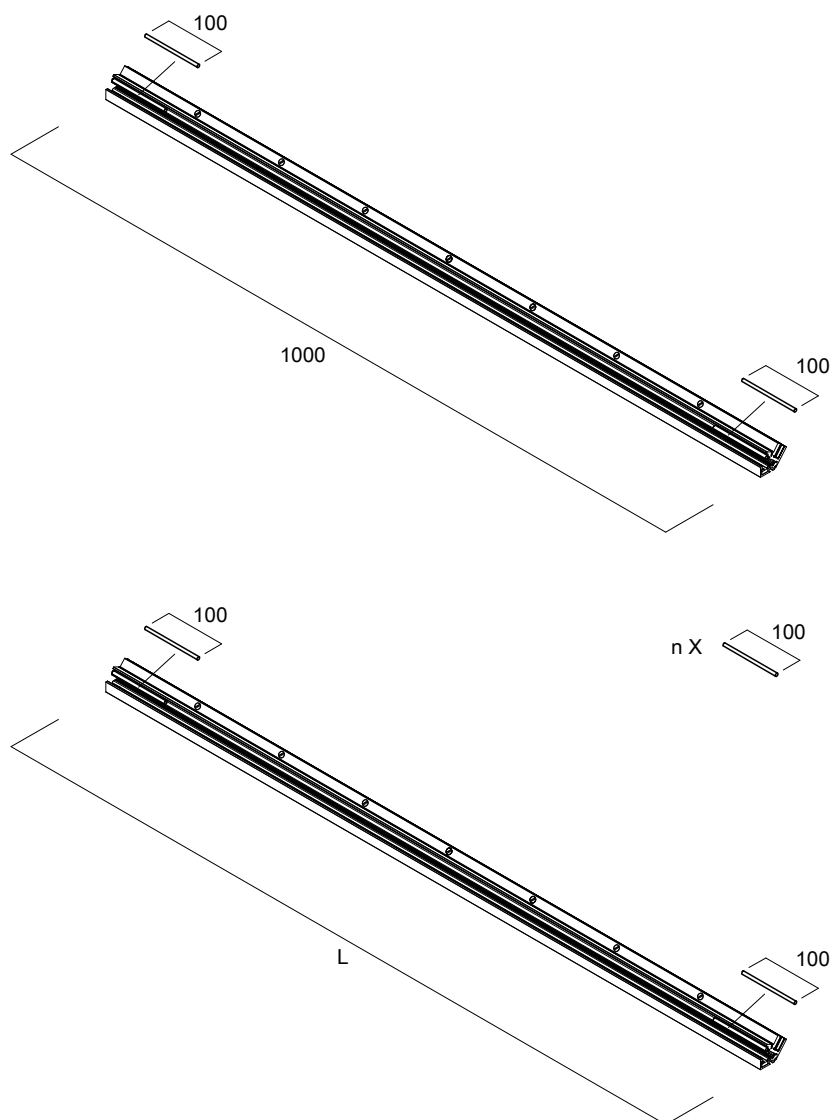


■ Adjustment of locking force:

Plastic rod 054.0650.086.0100:

Use approx. 2 pieces with 1000 mm hardware length.

The more pieces are inserted, the higher is the locking force.



■ Length relations for hardware sections:

Length front glass [mm] = length glass clamp profile [mm] – 1 mm on each side

Length glass clamp profile [mm] = length base profile [mm] – 2 mm

■ Front glass:

When mounting the glass into the glass clamps profile please make sure to tighten the screws with 1.0-1.2 Nm.

We recommend using tempered safety glass.

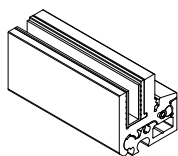
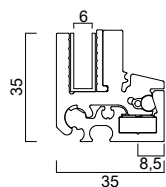
Please note that we assume no warranty on the glasses.

Type 120

Picture

Product

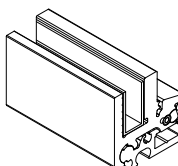
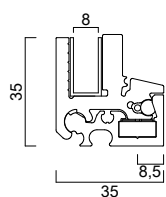
Part number



Type 120 tilt-forward hardware
for 6 mm front glass

5000mm

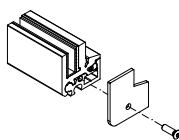
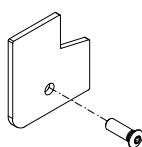
13.443.4643.XXX



Type 120 tilt-forward hardware
for 8 mm front glass

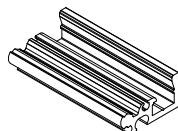
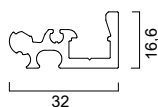
5000mm

13.443.4644.XXX



Type 120 end cap

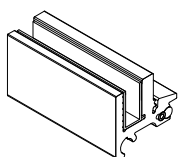
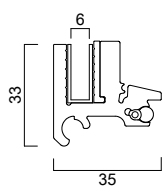
13.443.4651.XXX



Type 120 base profile

5000mm

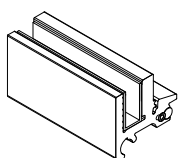
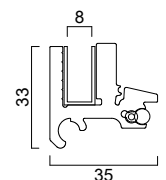
13.052.3940.XXX



Type 120 glass clamp profile complete
for 6 mm front glass

5000mm

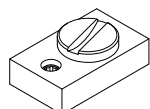
13.443.4627.XXX



Type 120 glass clamp profile complete
for 8 mm front glass

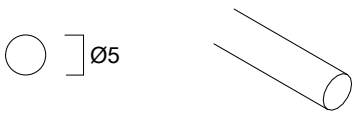

5000mm

13.443.4628.XXX

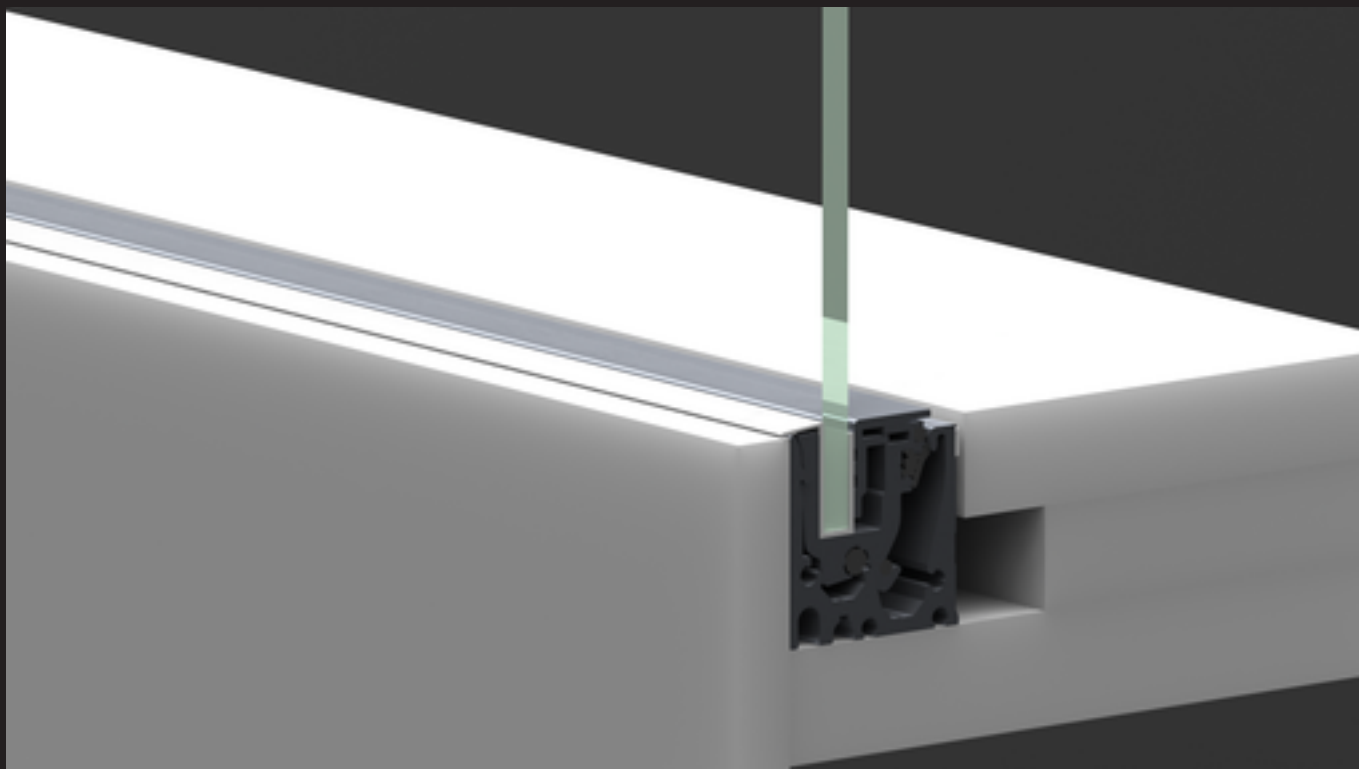


Type 120 striker

13.443.4654.XXX

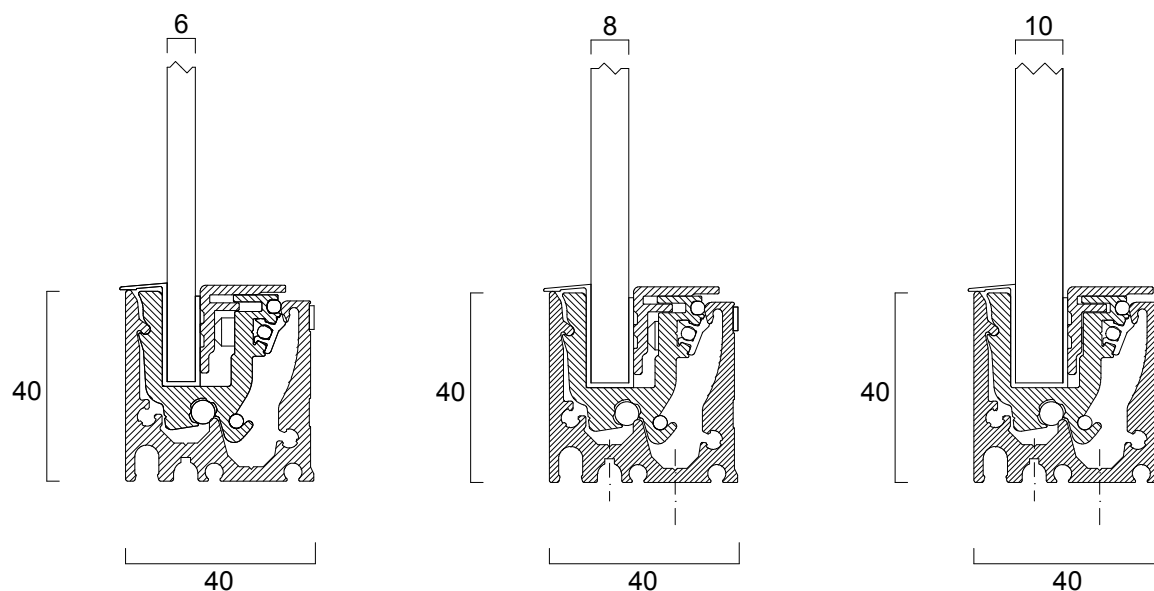
Picture	Product	Part number	
	Plastic rod, Ø 5 mm total or partial insertion to control locking force	3000mm	13.054.0650.086
	Silicone, Ø 4 X 1 mm transparent	25m 5000mm	054.0547.087 054.0547.087.5000

Type 130
Series 100 (without struts)



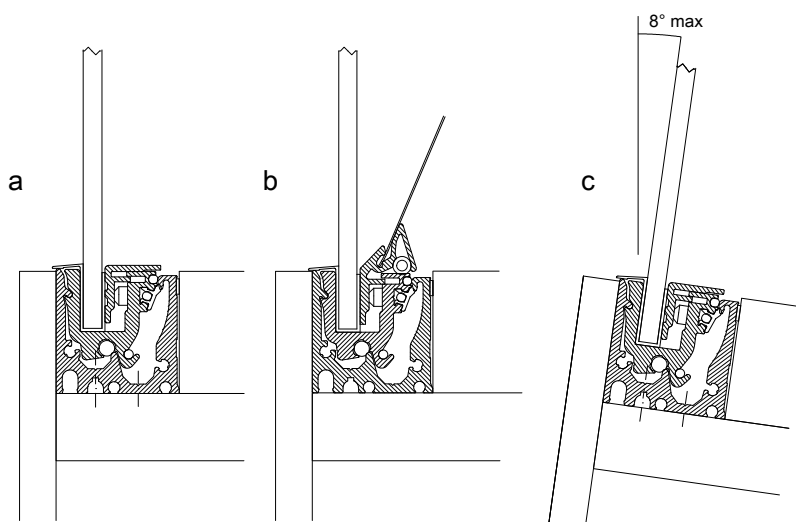
Product characteristics

- invisible in counter integrated tilt-forward hardware for straight, vertical front glass
- aligned locking
- damped final position when opened
- easy, quick assembly
- glass front can be removed without tools
- glass can easily be removed due to jaws
- optional with or without price tag
- prepared for heating cable
- for 6mm, 8mm and 10mm front glass
- maximum glass dimensions H=600mm, L=1500mm



Planning information

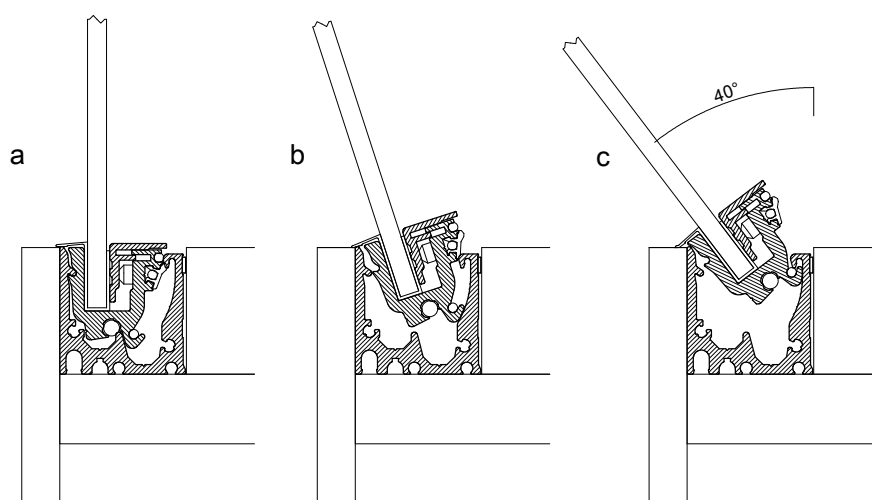
Hardware variations



In counter surface integrated assembly position

- a) tilt-forward hardware without price tag rail
- b) tilt-forward hardware with price tag rail
- c) tilt-forward hardware assembly position 8°

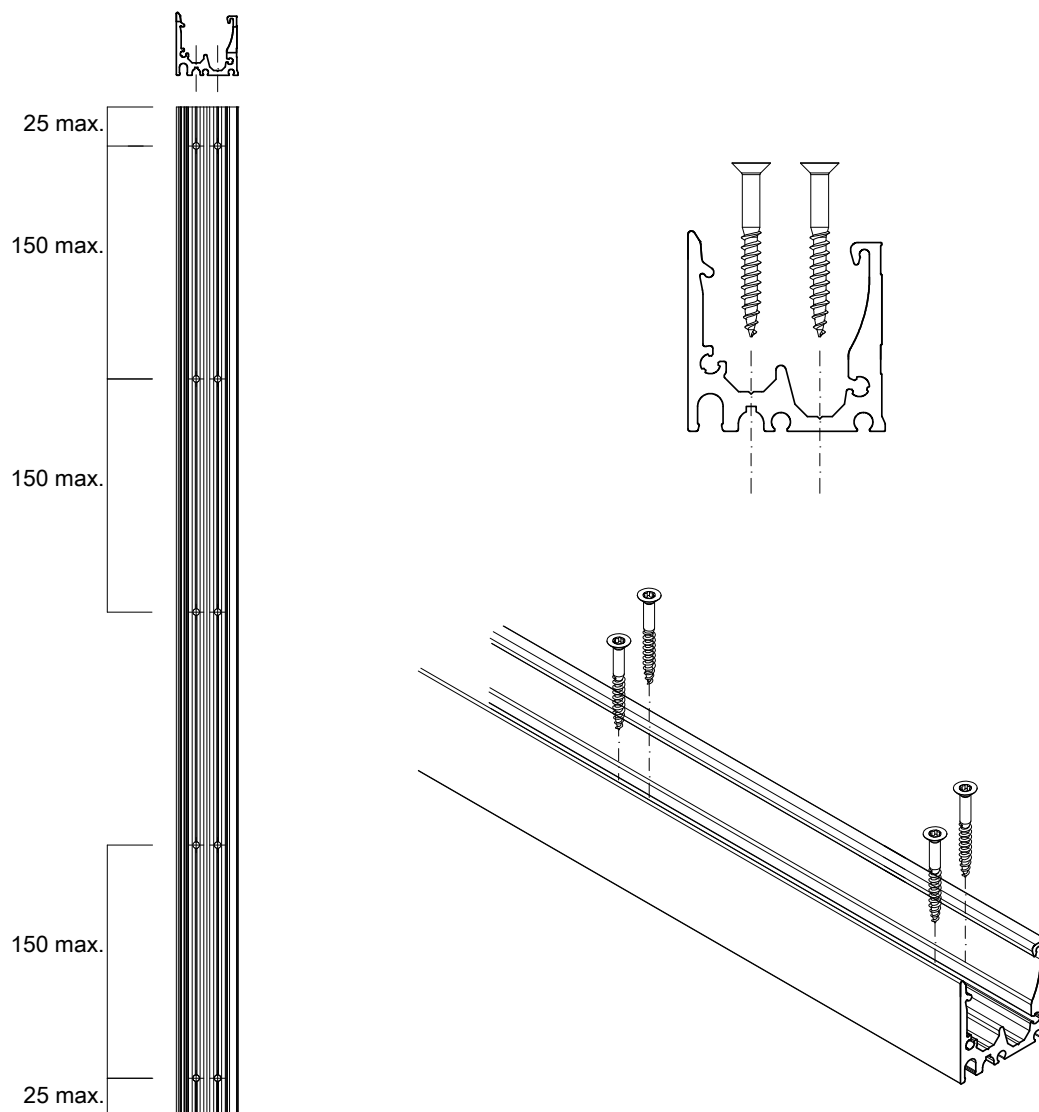
Tilting of front glass



- a) vertical locked position
- b) position to remove glass front
- c) damped final position

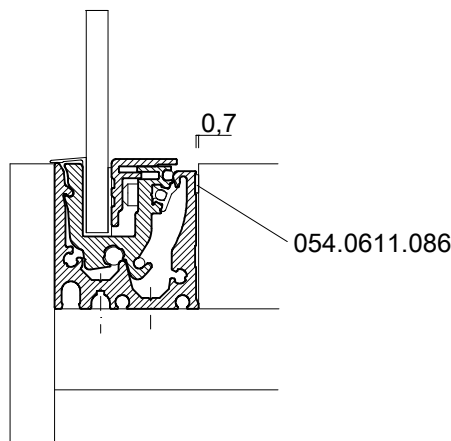
Assembly

■ Drill position of base profile:



Screw distance max. 150 mm.
Countersunk screws \varnothing 4 mm with min. 30 mm length.
Screw positioning parallel, not shifted, in both grooves.

■ **Fitting the hardware into the case:**



Gap 0.7 mm on rear side required.
Optional groove profile 054.0611.086.

■ **Adjustment of locking force:**

Locking profile 443.4634.086:
insert with longer arm on top side; insert round cord 045.1502.086 only lightly, avoid stretching.

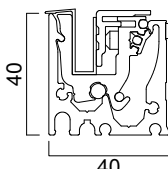
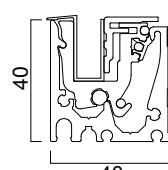
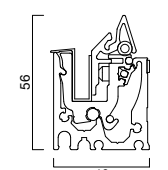
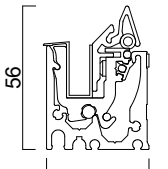
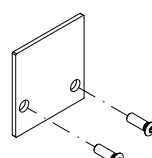
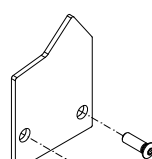
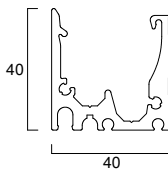
Cover profile 054.0612.086:
Optional between lengths of locking profile in order to reduce locking force.
Locking or cover profile must be inserted at least partially.

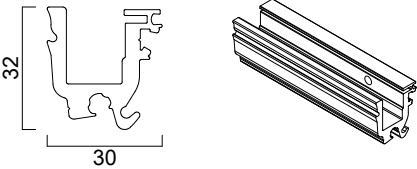
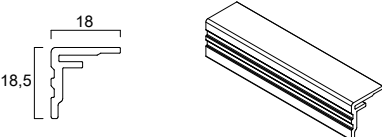
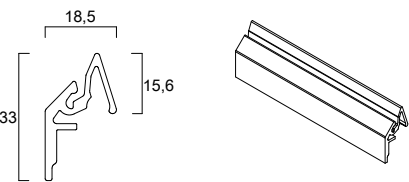
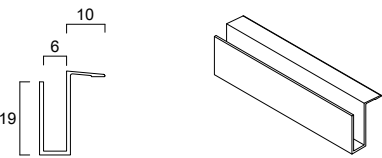
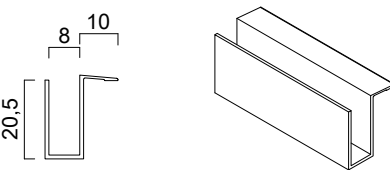


Plastic rod 054.0650.086:
Use in total length with front glass > 500 mm in order to achieve max. locking force.
In order to reduce locking force use short plastic rod sections or leave the rod out completely.

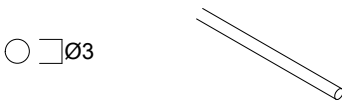
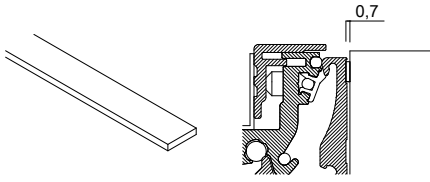
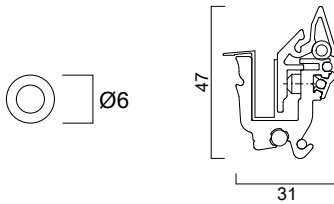
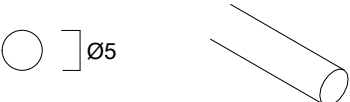
■ **Front glass:**

When mounting the glass into the glass clamp profile please make sure to tighten the screws with 0,6-0,8 Nm.
We recommend using tempered safety glass.
Please note that we assume no warranty on the glasses.

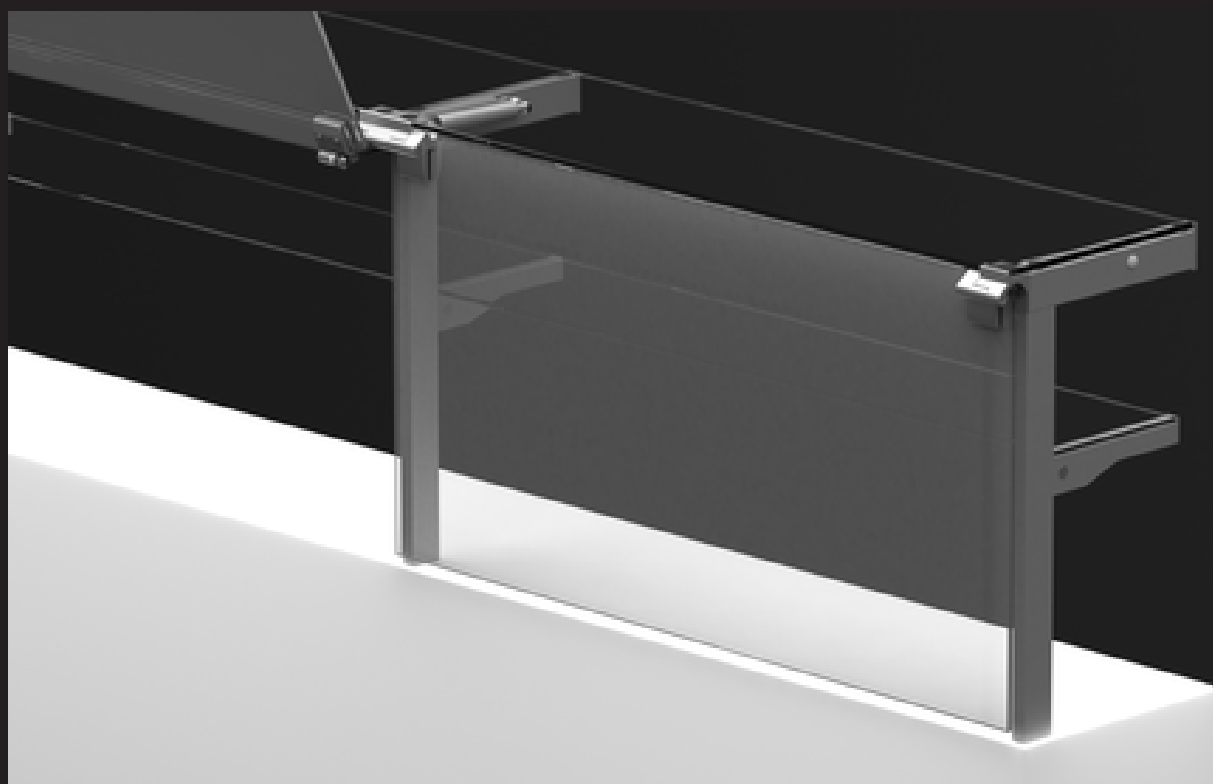
Type 130

Picture	Product	Part number
	Type 130 tilt-forward hardware for 6 mm glass without price tag rail	5000mm 443.4645.XXX
	Type 130 tilt-forward hardware for 8-10 mm glass without price tag rail	5000mm 443.4647.XXX
	Type 130 tilt-forward hardware for 6 mm glass with price tag rail	5000mm 443.4655.XXX
	Type 130 tilt-forward hardware for 8-10 mm glass with price tag rail	5000mm 443.4657.XXX
	Type 130 end cap for version without price tag rail	443.4640.XXX
	Type 130 end cap for version with price tag rail	443.4641.XXX
	Type 130 base profile	5000mm 052.1351.XXX

Picture	Product	Part number
	Type 130 glass frame profile, drilled for 6-10 mm glass	5000mm 443.4642.XXX
	Type 130/140 glass clamp profile 1 without price tag rail	5000mm 052.1353.XXX
	Type 130/140 glass clamp profile 2 with price tag rail	5000mm 052.1350.XXX
	Type 130 plastic U-profile for 6 mm, EVA black	2500mm 054.0425.086
	Type 130 plastic U-profile for 8-10 mm, EVA black	2500mm 054.0424.086
	Type 130/140 locking profile incl. round cord 045.1502.086 total or partial insertion to control locking force	2500mm 443.4634.086
	Type 130/140 cover profile optional between lengths of locking profile 443.4634.086	2500mm 054.0612.086

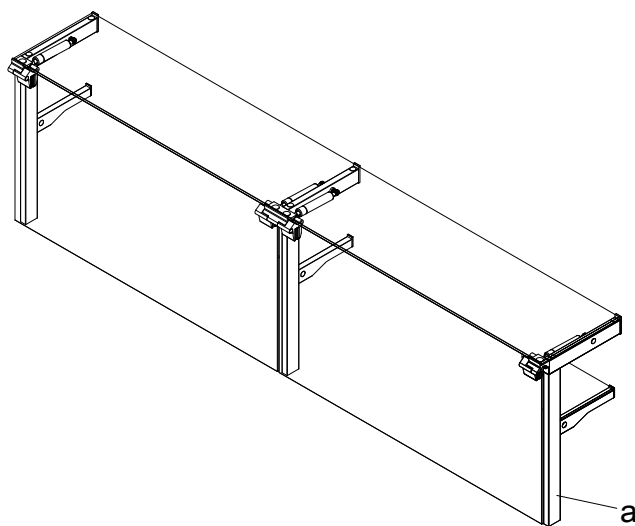
Picture	Product	Part number
	Type 130/140 round cord D = 3 mm	5000mm 045.1502.086
	Groove profile 0.7 mm	10m 054.0611.086
	Silicone tube D = 6 mm for price tag rail	5000mm 054.0495.087
	Plastic rod total or partial insertion to control locking force	3000mm 13.054.0650.086

Cube 4
Series 700 (Cube)

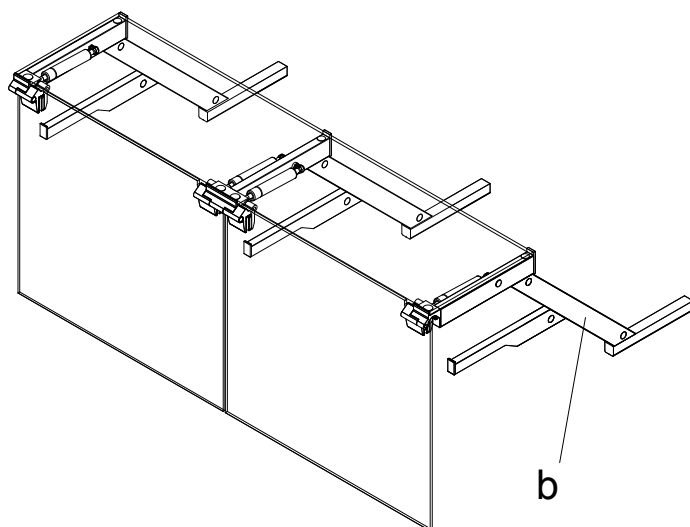


Product characteristics

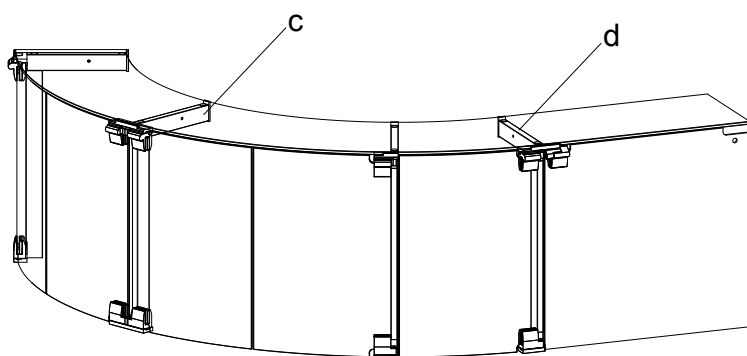
- strut position according to request (front / center / rear)
- front glass liftable or as door solution
- top service plate fixed or liftable
- simple corner solutions with doors
- optional damping of glasses on closing
- intermediate supports on request
- lighting T5, T8 or LED



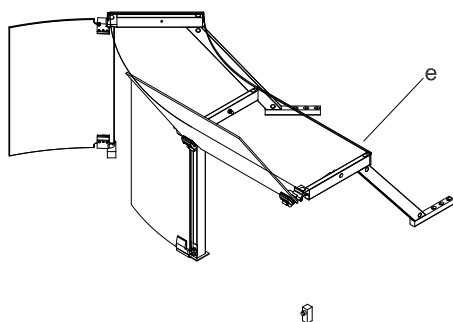
a) Front strut



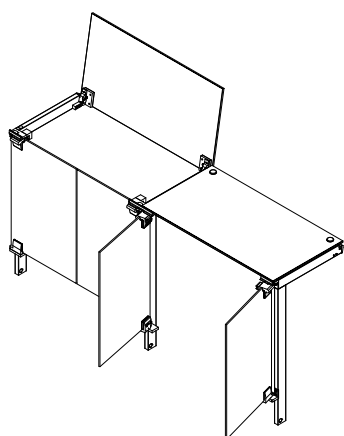
b) Rear strut



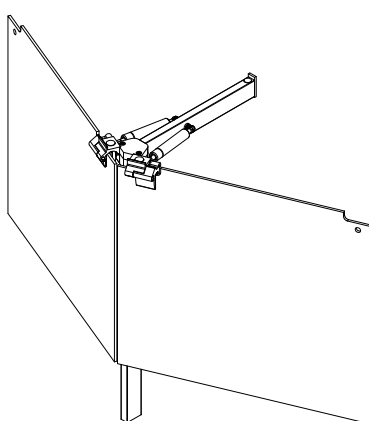
c) Front system door d) Combined system door front strut



e) Combined system door rear strut



System door, front strut with liftable top service plate



Front strut 45°

Program supplement for circle segment and spherical glass:

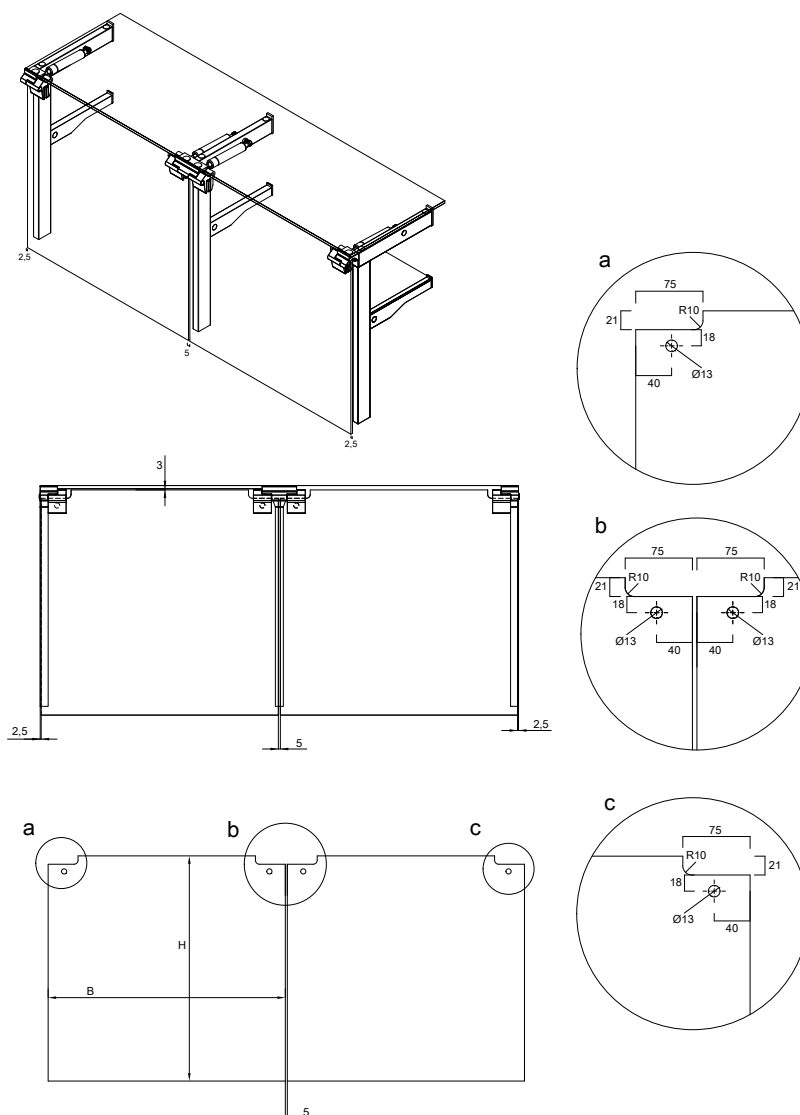
Series 600 (same strut profile grants use of struts with different geometry on the same case body)

Planning information

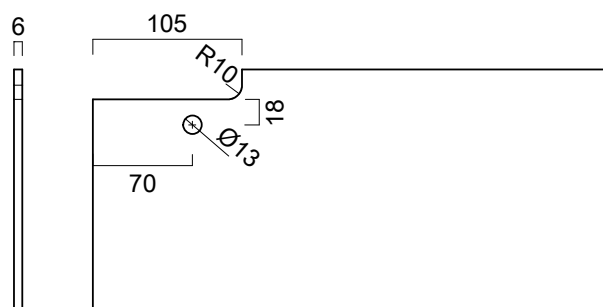
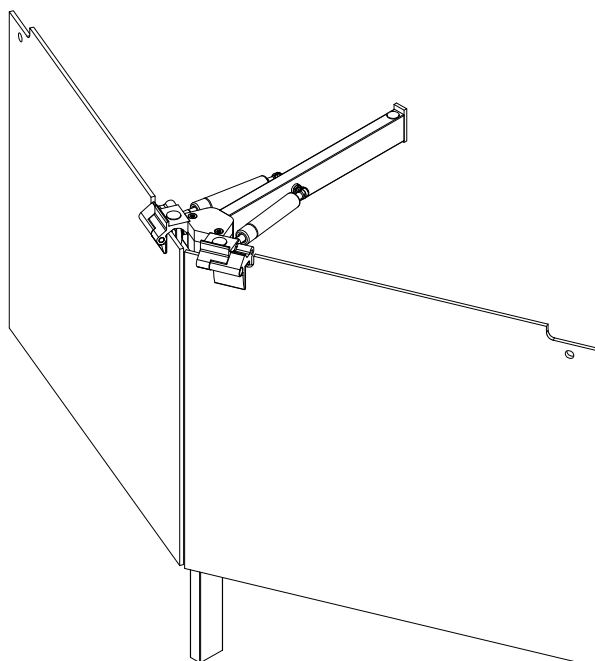
- front glass 6 mm tempered
height max. 700 mm, length max. 1800 mm
- top service plate 8 mm tempered, depth max. 500 mm
- additional rear strut needed for top service plate exceeding 500 mm
- opening angle 160°
- front glass on opening and closing supported by gas rams
- optional light canopy
- individual assembly to case body
- strut can be placed in nearly any position to support

Geometry and glass cut-out

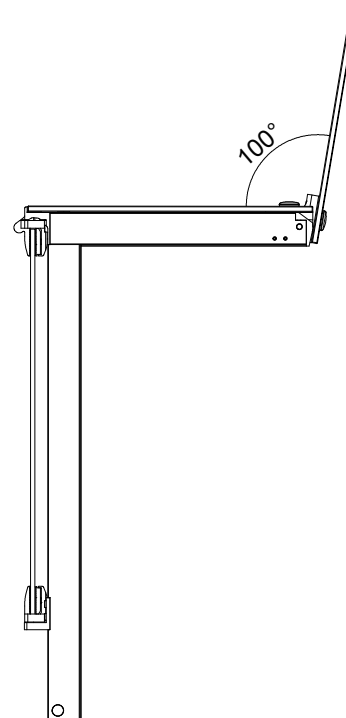
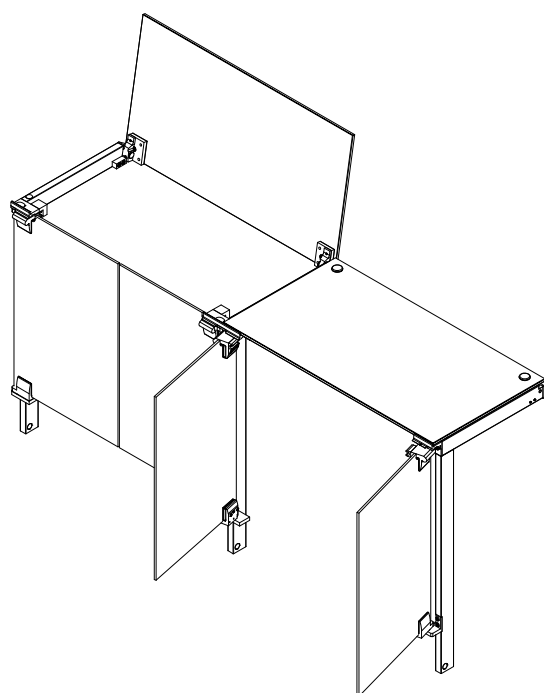
- **Frontglass end and center strut**

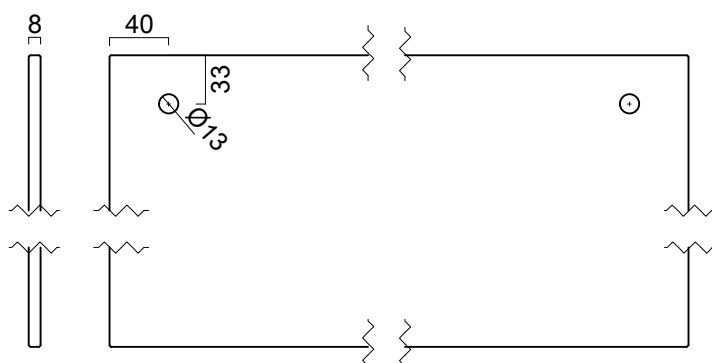


■ **Front glass external corner 45°**



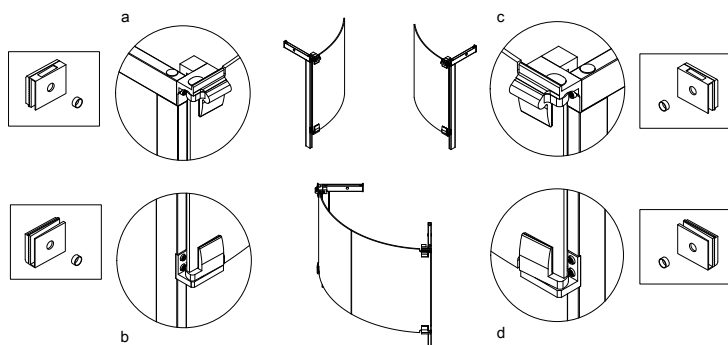
■ **Liftable top plate**



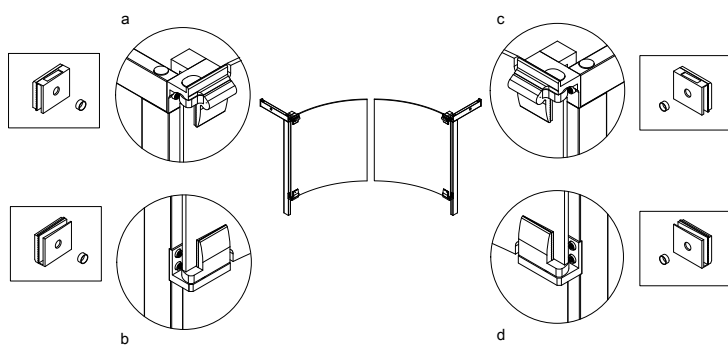


System doors for corners

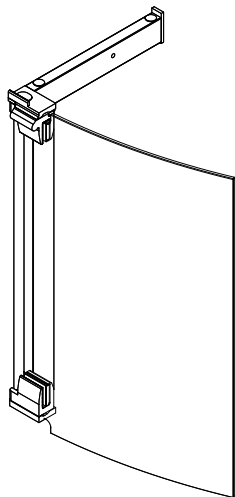
■ External corner



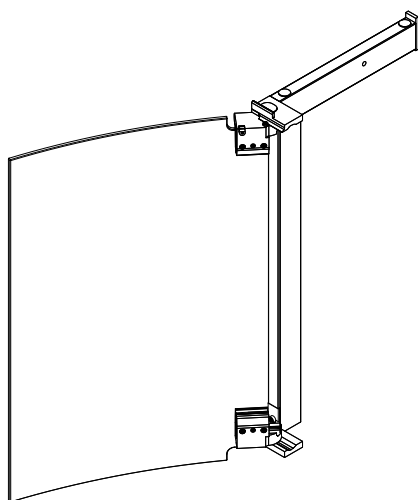
■ Internal corner



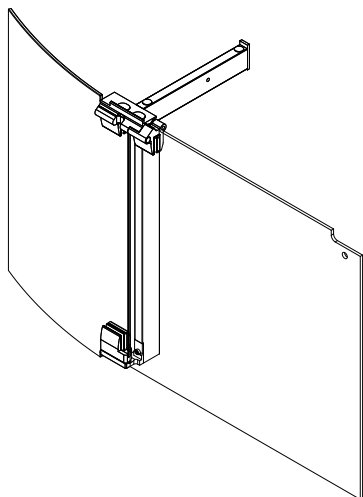
■ System door 45°



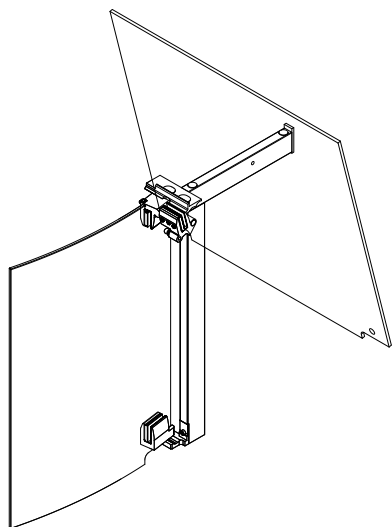
System door closed.



System door open.

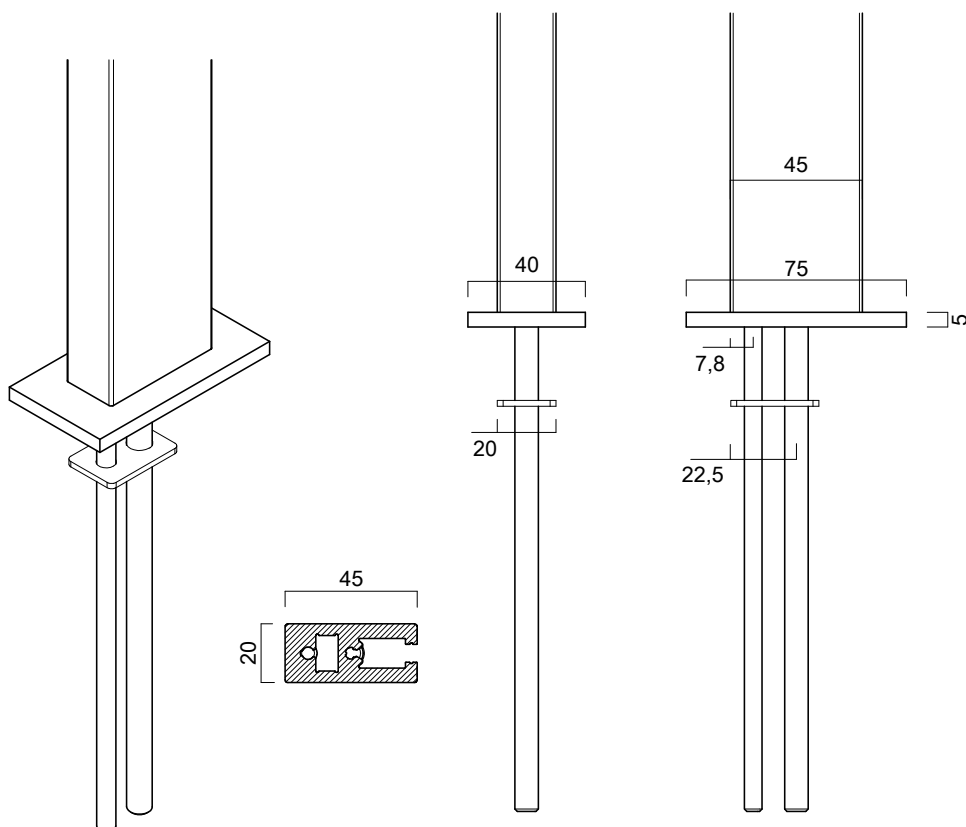


Combined system door closed.



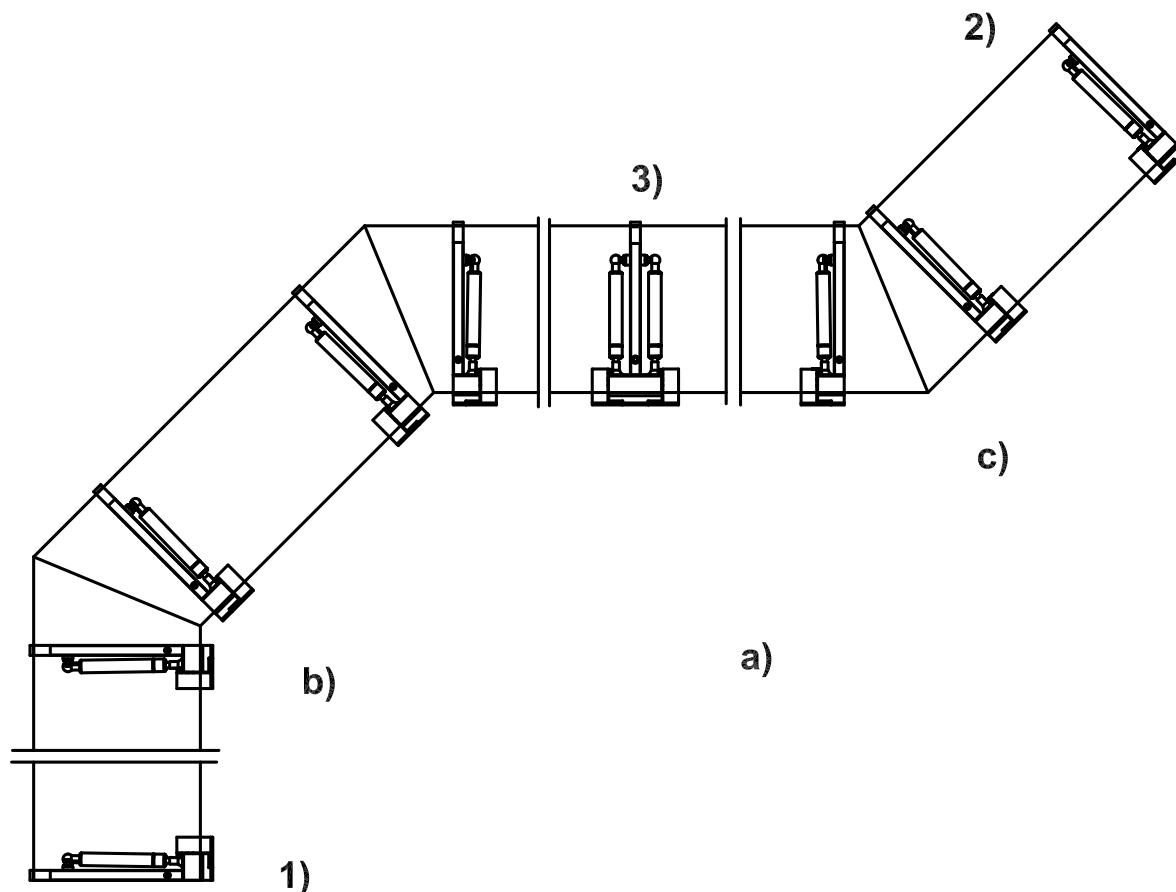
Combined system door open.

Strut fixing

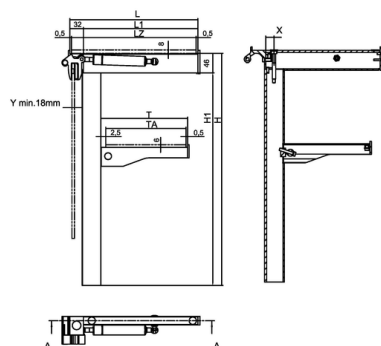


Example of a case line-up

- a) Customer side 1) Strut left
- b) Internal corner 2) Strut right
- c) External corner 3) Strut center



Purchasing information



In case of order please name the following dimensions:

- Depth of top service plate [LZ] (glass depth)
- Height up to bottom edge of top service plate [H]
- Distance of front glass to strut [Y]
- Dimensions of front glass for calculation of gas ram force [N]
Glass height [mm]
Glass length [mm]

For an intermediate support, please name depth of glass plate [TA]

Your advantage: nearly every position of support in relation to strut is possible, according to your request.

LZ = Depth of top service plate (glass depth)

L1 = Length of support profile section

L = Length of top service plate glass

H = Height up to bottom edge of top service plate

H1 = Length of strut profile section

Y = Distance of front glass to strut

X = Position of screws

TA = Depth of glass

T = Length of intermediate support profile section

Gas ram force (N) for standard glass dimensions

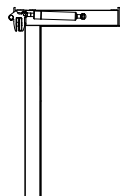
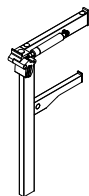
(Calculation of force without hand grip)

	Length [mm]				
Height [mm]	850	1000	1250	1500	1800
400	2x400	2x400	2x400	2x500	2x500
450	2x500	2x500	2x500	2x500	2x600
500	2x500	2x600	2x600	2x600	2x800

Cube 4 Picture

Product

Part number

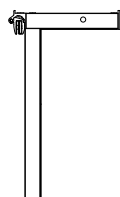
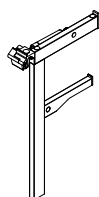


Cube 4, lift-up, front strut
Strut 700 mm
Support 500 mm

Option: liftable top plate

left

07.447.4001.XXX

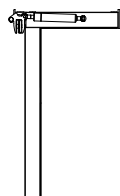
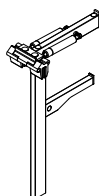


Cube 4, lift-up, front strut
Strut 700 mm
Support 500 mm

Option: liftable top plate

right

07.447.4002.XXX

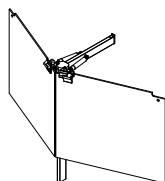


Cube 4, lift-up, front strut
Strut 700 mm
Support 500 mm

Option: liftable top plate

center

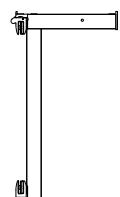
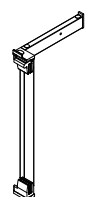
07.447.4003.XXX



Cube 4, lift-up, front strut, center 45°
Strut 700 mm
Support 500 mm

Option: liftable top plate

07.447.40XX.XXX



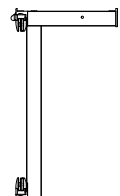
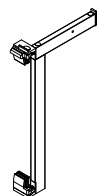
Cube 4, combined system door, front strut
for straight or bent glass

Strut 700 mm
Support 500 mm

Option: liftable top plate

left

07.447.4007.XXX



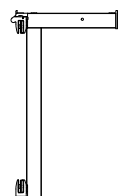
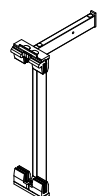
Cube 4, system door, front strut
for straight or bent glass

Strut 700 mm
Support 500 mm

Option: liftable top plate

right

07.447.4008.XXX



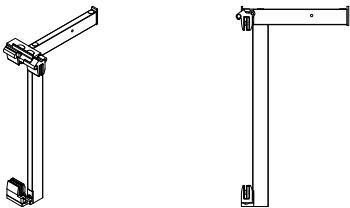
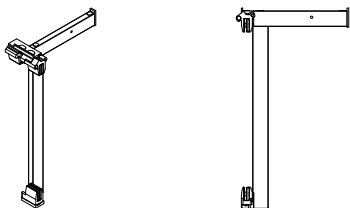
Cube 4, system door, front strut
for straight or bent glass

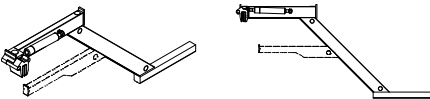
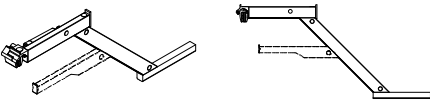
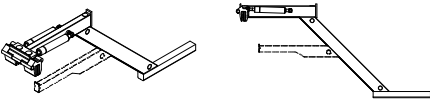
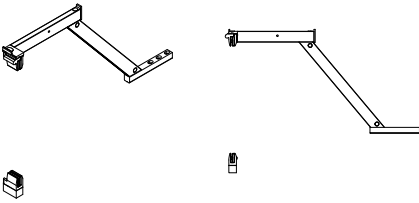
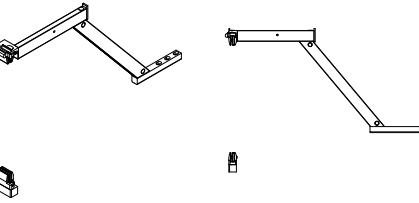
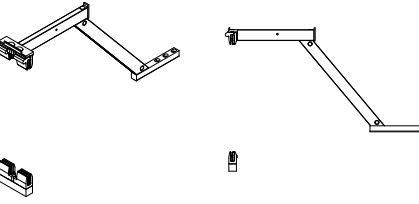
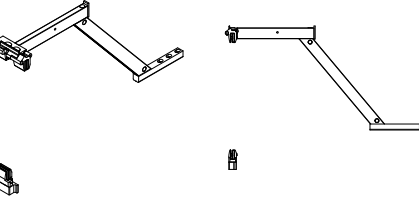
Strut 700 mm
Support 500 mm

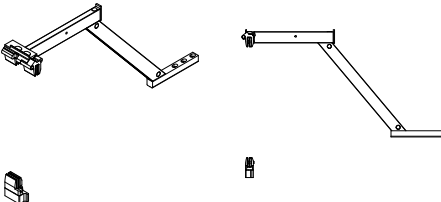
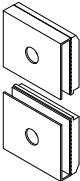
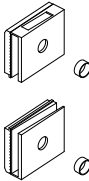
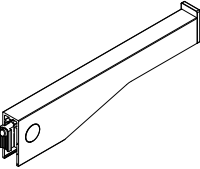
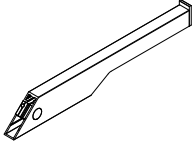
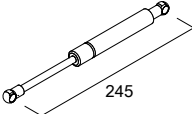
Option: liftable top plate

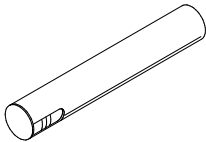
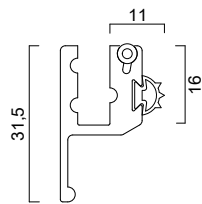
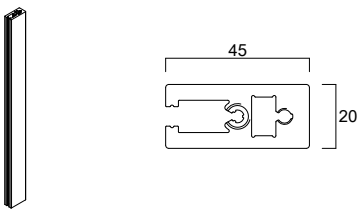
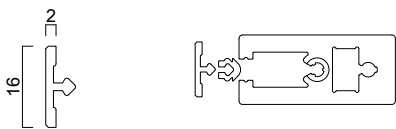
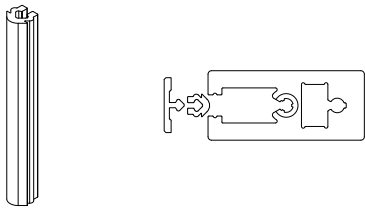
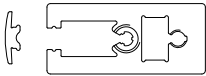
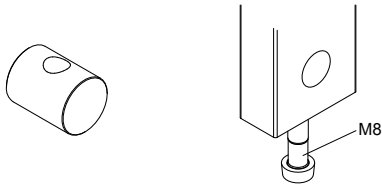
center

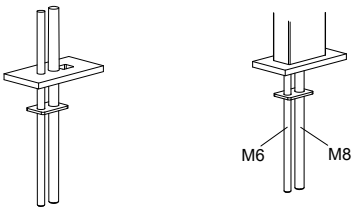
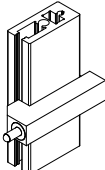
07.447.4009.XXX

Picture	Product	Part number
	<p>Cube 4, combined system door, front strut for straight or bent glass</p> <p>Strut 700 mm Support 500 mm</p> <p>Option: liftable top plate</p>	<p>left 07.447.4005.XXX</p>
	<p>Cube 4, combined system door, front strut for doors with bent glass</p>	<p>right 07.447.4006.XXX</p>

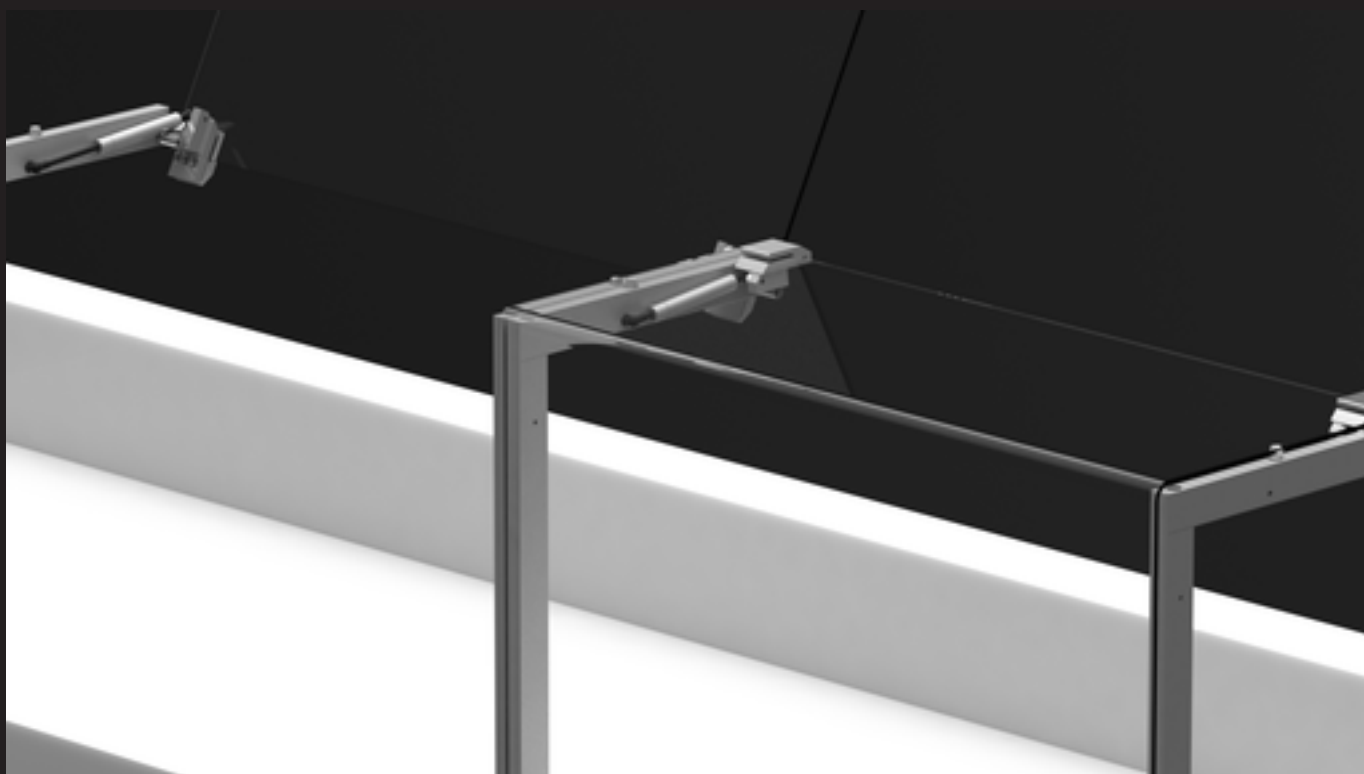
Picture	Product	Part number
	Cube 4, lift-up, rear strut for straight cases with or without intermediate support Strut 700 mm Support 500 mm Option: liftable top plate	left 07.447.4041.XXX
	Cube 4, lift-up, rear strut for straight cases with or without intermediate support Strut 700 mm Support 500 mm Option: liftable top plate	right 07.447.4042.XXX
	Cube 4, lift-up, rear strut for straight cases with or without intermediate support Strut 700 mm Support 500 mm Option: liftable top plate	center 07.447.4043.XXX
	Cube 4, system door, rear strut incl. bottom hinge for straight or bent glass Strut 700 mm Support 500 mm Option: liftable top plate	left 07.447.4057.XXX
	Cube 4, system door, rear strut incl. bottom hinge for straight or bent glass Strut 700 mm Support 500 mm Option: liftable top plate	right 07.447.4058.XXX
	Cube 4, system door, rear strut incl. bottom hinge for straight or bent glass Strut 700 mm Support 500 mm Option: liftable top plate	center 07.447.4059.XXX
	Cube 4, combined system door, rear strut incl. bottom hinge Strut 700 mm Support 500 mm Option: liftable top plate	left 07.447.4055.XXX

Picture	Product	Part number
	Cube 4, combined system door, rear strut incl. bottom hinge Strut 700 mm Support 500 mm Option: liftable top plate	right 07.447.4056.XXX
	Cube 4, clamp plate set for doors with straight glass	447.4430.000
	Cube 4, clamp plate set for doors with bent glass	447.4431.000
	Cube 4, intermediate support for front strut, L=400 mm pls indicate required length with order	07.447.4330.XXX
	Cube 4, intermediate support for rear strut, L=508 mm pls indicate required length and angle with order	07.447.4331.XXX
	Gas ram Lift-O-Mat	100N 14.044.3218.051 200N 14.044.3294.051 250N 14.044.3295.051 300N 14.044.3267.051 400N 14.044.3268.051 500N 14.044.3269.051 600N 14.044.3270.051 700N 14.044.3271.051 800N 14.044.3296.051 900N 14.044.3689.051 1,000N 14.044.3690.051 1,100N 14.044.3691.051 1,200N 14.044.3692.051

Picture	Product	Part number
	Cover for gas ram for straight case 14.446.6008.XXX for gas rams including 800 N	external 14.446.6008.XXX corner internal 14.446.6009.XXX corner
	Hand grip profile complete	5000mm 07.447.5300.XXX
	Cube 4 Profile cut out of profile 052.3464.000 pls indicate required length	07.447.4306.XXX
	Cover profile anodized aluminum	5000mm 07.052.8184.XXX
	Silicone profile for fixing of cover profile 052.8184.XXX	5000mm 07.054.0555.084
	Cover profile silicone profile, with talcum, color RAL 7035, coil of 100 m packed in crates	07.054.0554.084
	Strut fixing	07.044.4742.070

Picture	Product	Part number
	Fixing with thread bar with threaded rods	07.447.4324.070
	Cube 4 Damper unit	07.447.4300.XXX

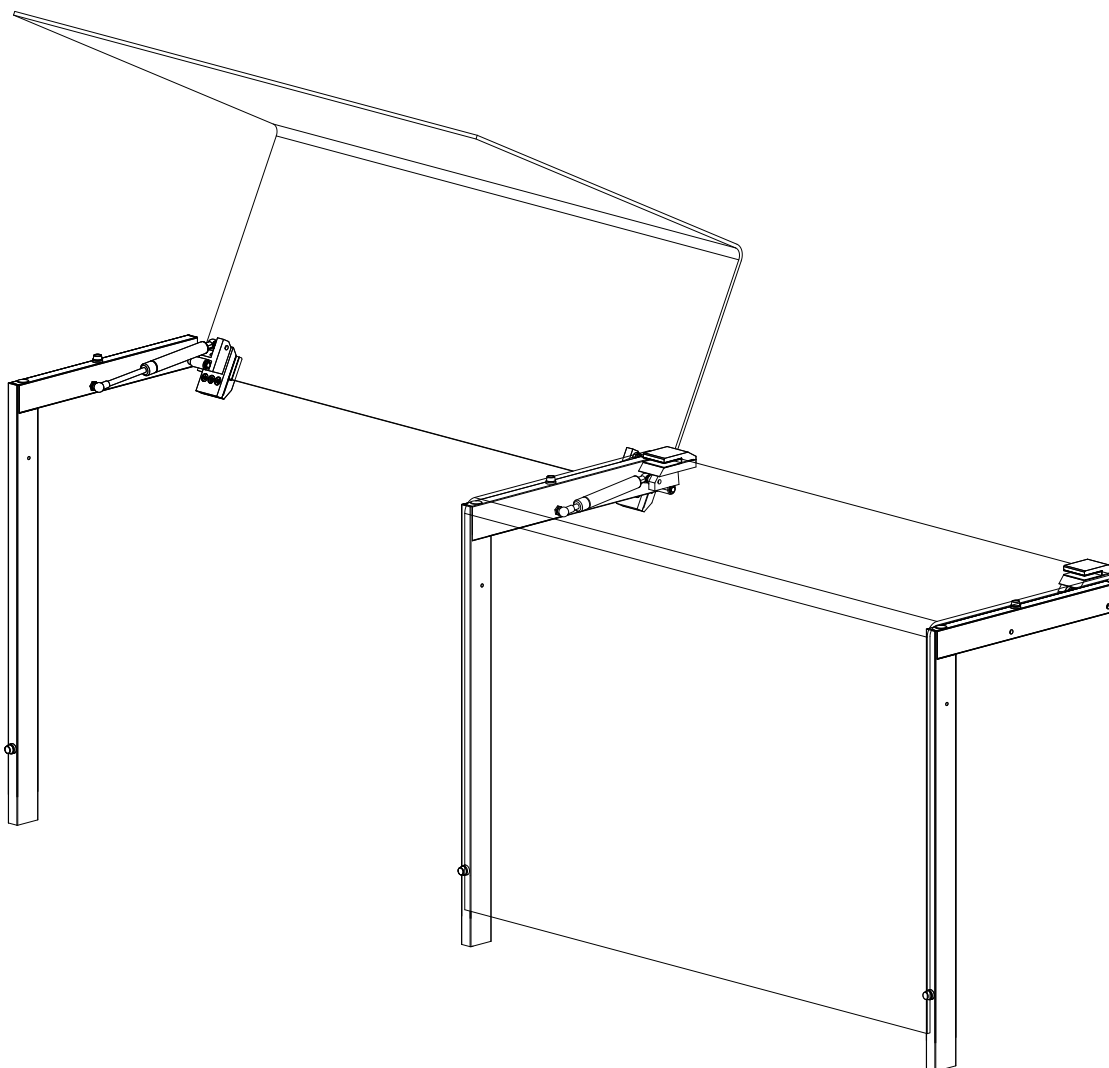
**Cube 4 Frontlift
Series 700 (Cube)**



Product characteristics

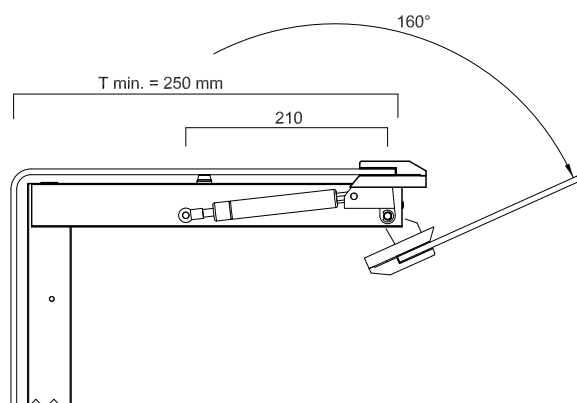
Tilt-forward hardware for straight and curved vertical front glasses

- high stability - for large front glasses
- independent strut position (front / center / rear)
- large opening angle (maximum access for restocking and cleaning)
- glass clamp for 6 and 8 mm top service plate
- optional intermediate bracket
- maximum glass length $L = 1350$ mm
- light canopy T5, T8 or LED
- damped closing of glasses
- colors silver satin anodized (011) or black anodized (016), others on request



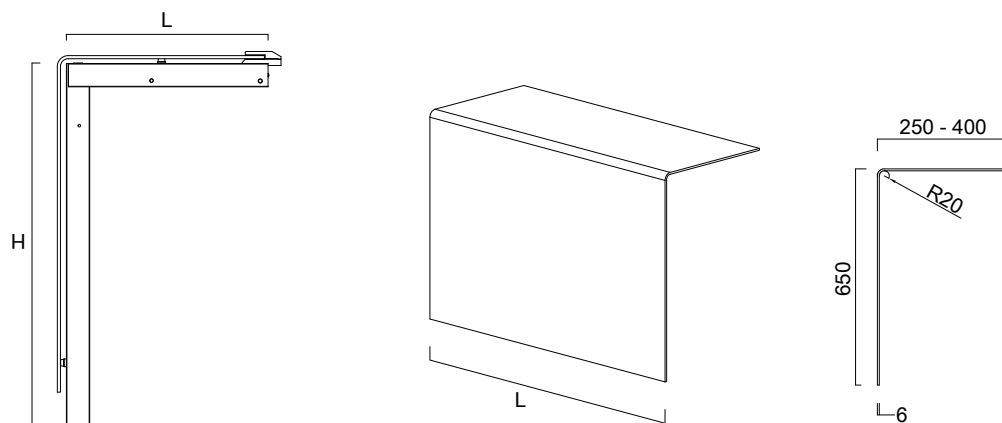
Planning information

- front glass 6 mm tempered
- height max. 650 mm, length max. 1350 mm
- top service plate 6 or 8 mm tempered glass, depth max. 400 mm
- opening angle 165°
- gas ram supported opening and closing of the front glass
- optional light canopy
- individual assembly to case body
- flexible strut and support positions



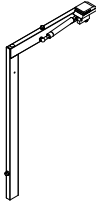
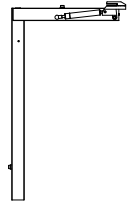
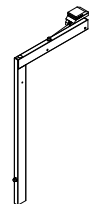
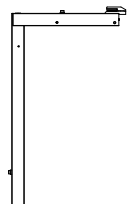
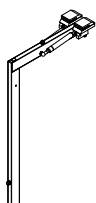
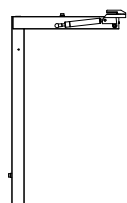
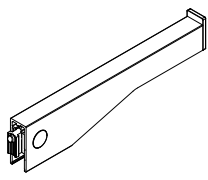
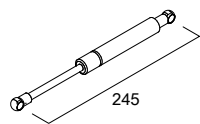
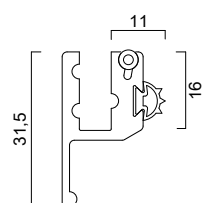
In order to avoid unnecessary questions, please submit following information with your purchase order:

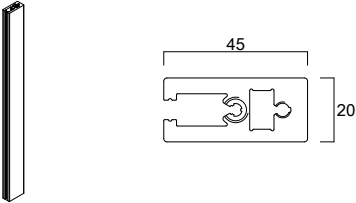
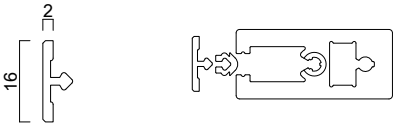
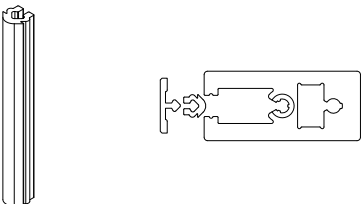
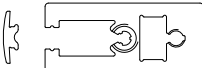
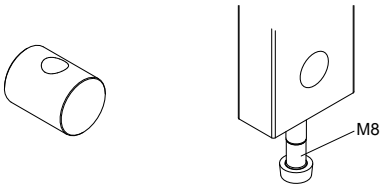
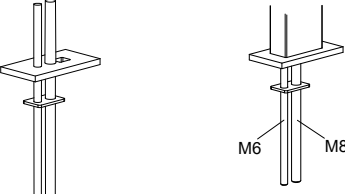
- Depth of top service plate [L] (depth of glass)
- Height up to top service plate [H]
- Front glass dimension for calculation of gas ram pressures [N]
Glass height [mm] glass length [mm]



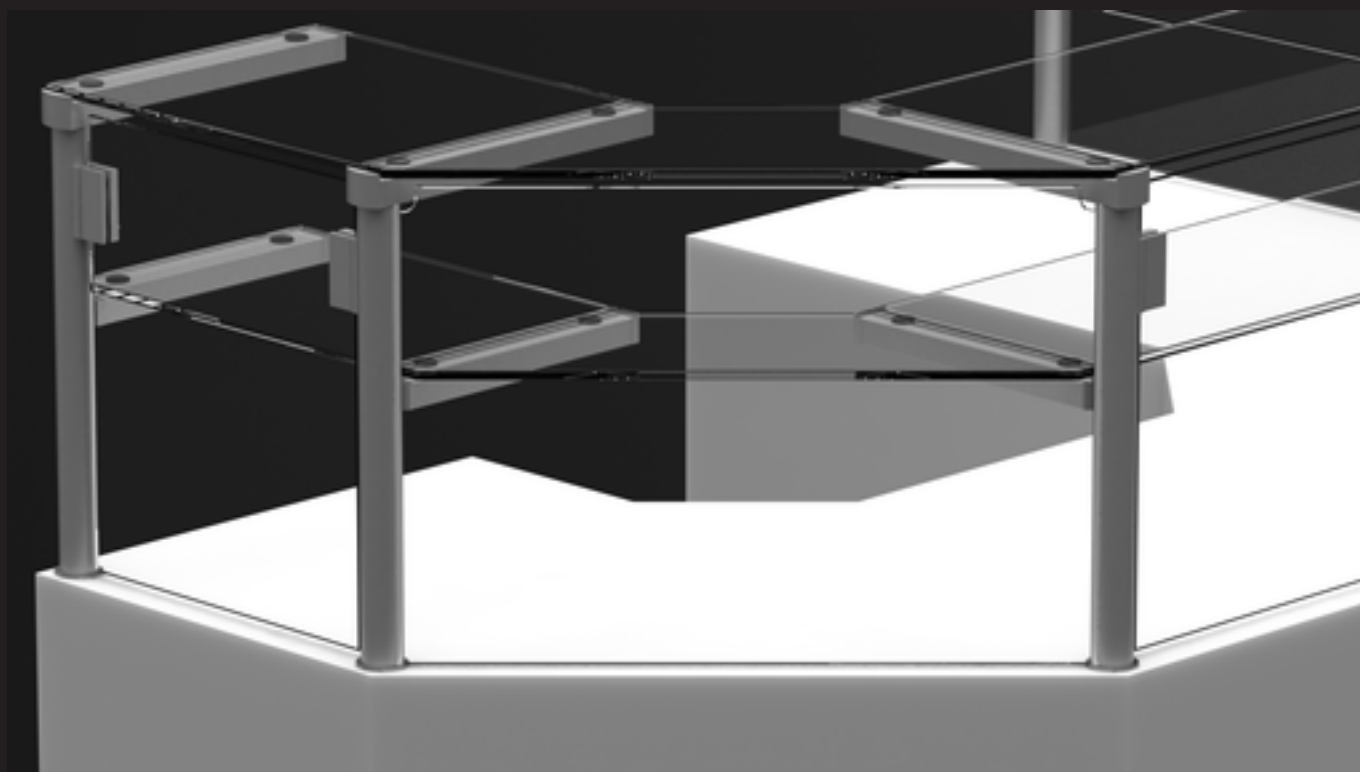
glass dimensions (no warranty for glasses)

Cube 4 Frontlift

Picture	Product	Part number
 	Cube 4 Frontlift strut strut 600 mm support 300 mm	left 07.447.4081.XXX
 	Cube 4 Frontlift strut strut 600 mm support 300 mm	right 07.447.4082.XXX
 	Cube 4 Frontlift strut strut 600 mm support 300 mm	center 07.447.4083.XXX
	Cube 4, intermediate support for front strut, L=400 mm pls indicate required length with order	07.447.4330.XXX
	Gas ram Lift-O-Mat	100N 14.044.3218.051 200N 14.044.3294.051 250N 14.044.3295.051 300N 14.044.3267.051 400N 14.044.3268.051 500N 14.044.3269.051 600N 14.044.3270.051 700N 14.044.3271.051 800N 14.044.3296.051 900N 14.044.3689.051 1,000N 14.044.3690.051 1,100N 14.044.3691.051 1,200N 14.044.3692.051
	Hand grip profile complete	5000mm 07.447.5300.XXX

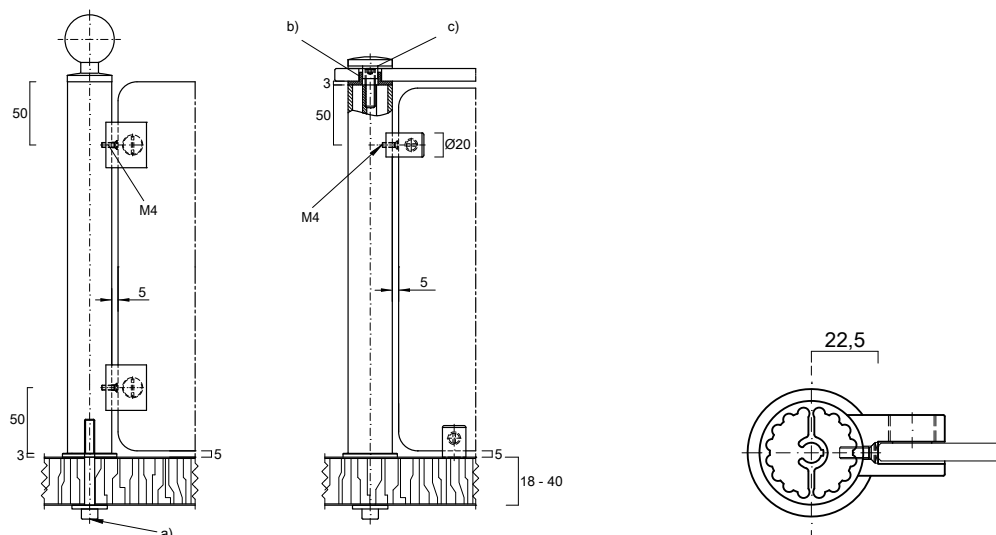
Picture	Product	Part number
	Cube 4 Profile cut out of profile 052.3464.000 pls indicate required length	07.447.4306.XXX
	Cover profile anodized aluminum	5000mm 07.052.8184.XXX
	Silicone profile for fixing of cover profile 07.052.8184.XXX	5000mm 07.054.0555.084
	Cover profile Silicone profile, with talcum, color RAL 7035, coil of 100 m packed in crates	07.054.0554.084
	Strut fixing	07.044.4742.070
	Fixing with thread bar with threaded rods	07.447.4324.070

Bistro 35
Series Bistro



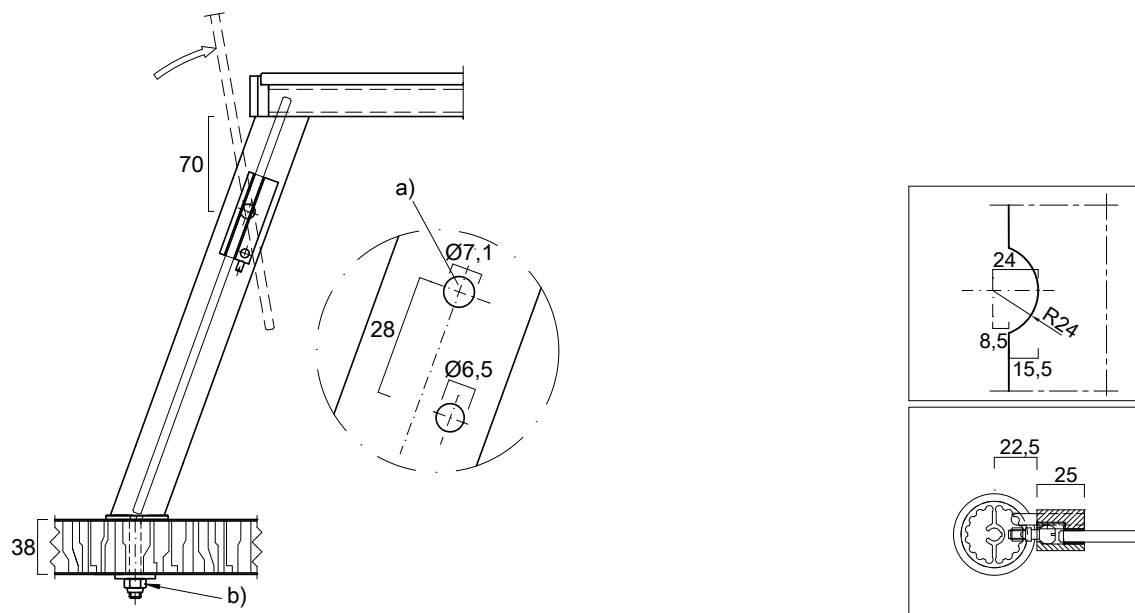
Planning information

Assembly information



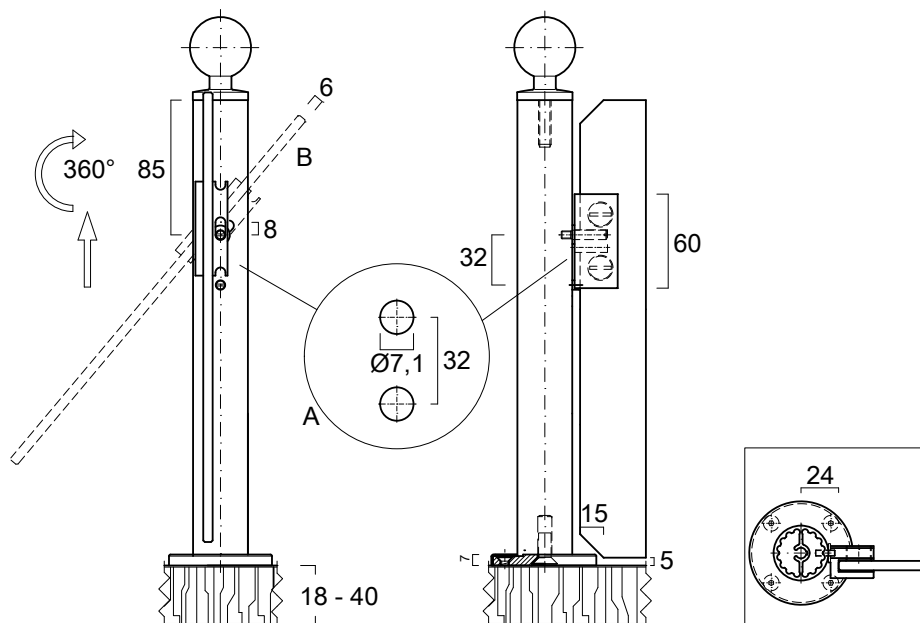
a) Strut fixing 11.414.5581.000 b) Glass hole Ø18mm c) Glass bracket 11.414.5570.000
max. dimensions: length 1400mm height 600mm

Tiltable hinge



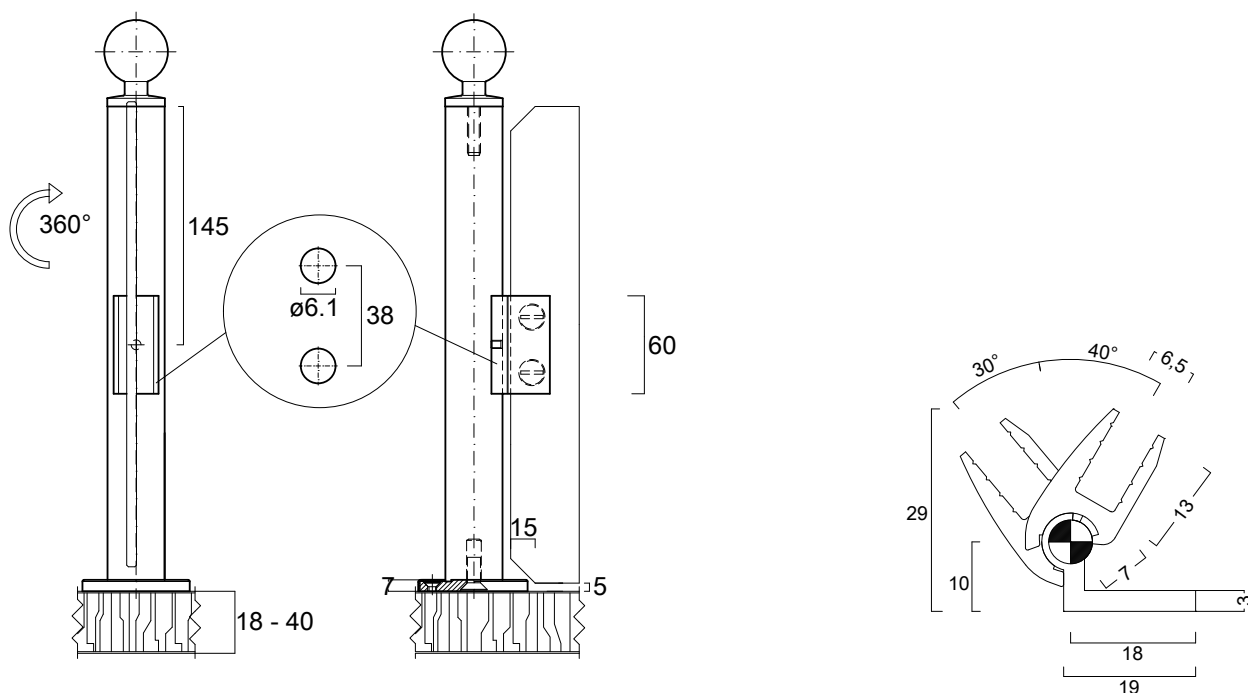
a) Nut M5; secure thread with Loctite!
Use template 042.02960.000
b) Strut fixing (for 10° 11.414.5509.000 / for 20° 11.414.5582.000)
max. dimensions: length 1000mm height 600mm

Tiltable hinge 360° (11.414.5540.XXX)



max. dimensions: length 1000mm height 600mm

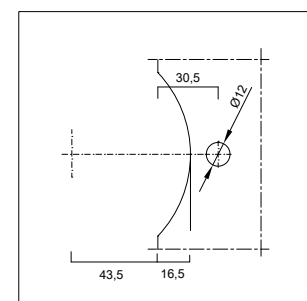
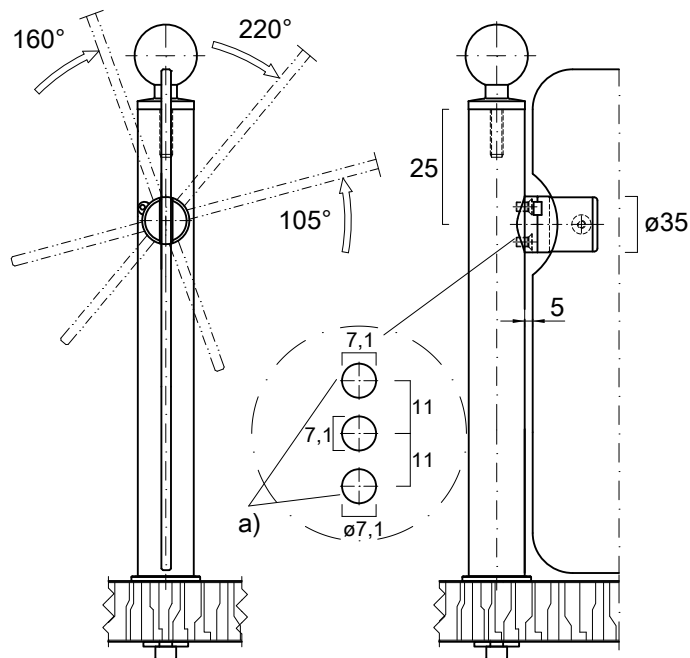
Tiltable hinge 360° with lock (11.414.5546.XXX)



Tilt-forward hardware for front glass

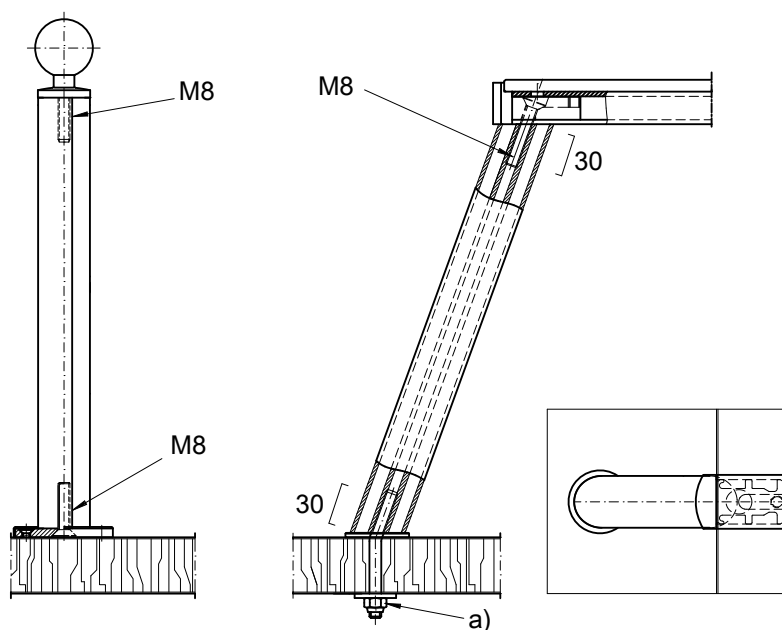
max. dimensions: length 1000mm height 600mm

possible angle positions 105°/160°/220°



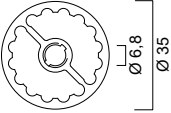
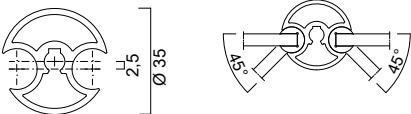
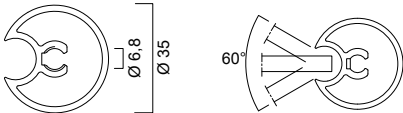
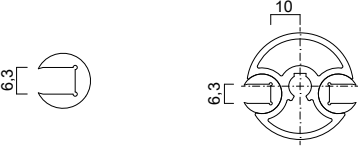
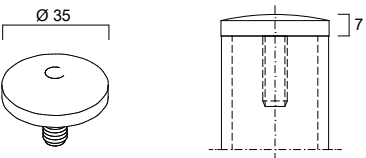
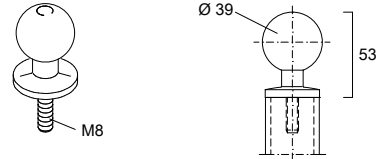
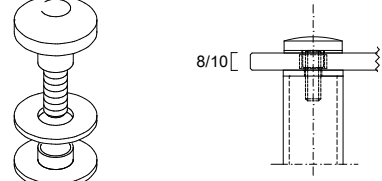
glass cut-out

a) hole for nut M5 thread to be secured with Loctite
max. dimensions: length 1400mm height 600mm



a) strut fixing (for 10° 11.414.5509.000 / for 20° 11.414.5582.000)

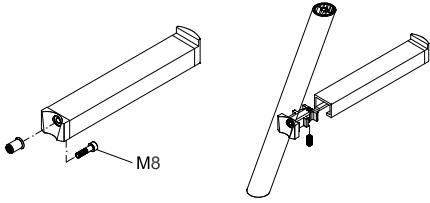

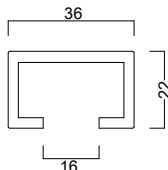
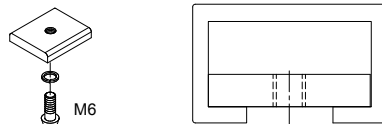
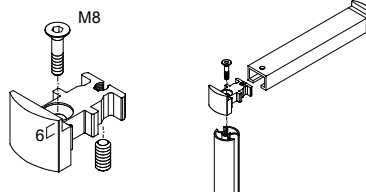
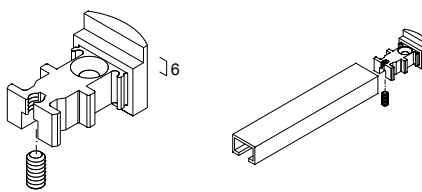
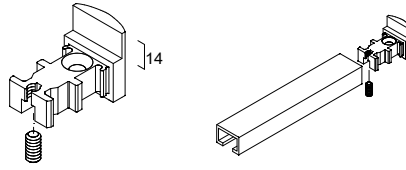
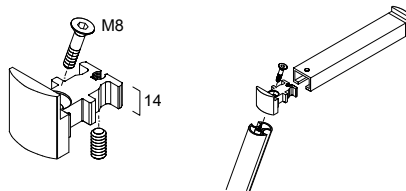
Bistro 35

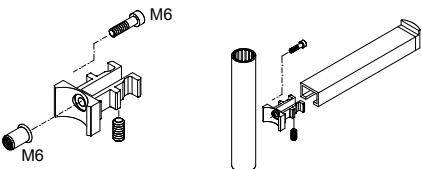
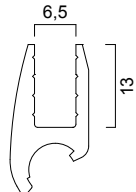
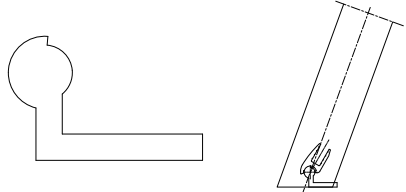
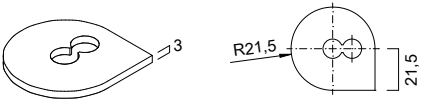
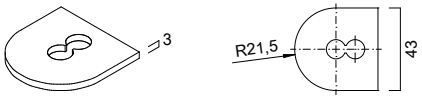
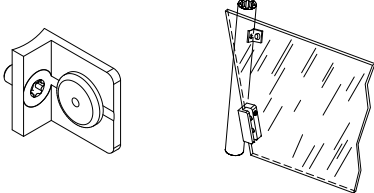
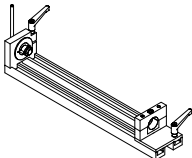
Picture	Product	Part number
	Profile	5000mm 11.052.1204.XXX
	Profile	5000mm 11.052.1201.XXX
	Profile	5000mm 11.052.1202.XXX
	Frame profile plastic clear	5000mm 11.054.0573.087
	End piece	11.414.5519.XXX
	End piece	11.414.5518.XXX
	End piece for glass fixing	11.414.5570.XXX

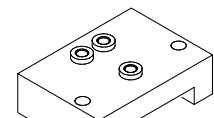
Picture	Product	Part number
	Strut fixing 0° 10° 20°	11.414.5581.000 11.414.5509.000 11.414.5582.000
	Rose	11.414.5603.XXX
	Strut fixing	11.414.5507.XXX
	Bracket Ø 20	11.414.5534.XXX
	Bracket Ø 20 horizontal	11.414.5202.XXX
	Bracket Ø 25	11.414.5532.XXX
	Bracket Ø 25 horizontal	11.414.5533.XXX

Picture	Product	Part number
	Bracket	11.414.5530.XXX
	Bracket horizontal	11.414.5531.XXX
	Profile	5000mm 11.052.1200.XXX
	End piece	11.414.5510.XXX
	End piece	11.414.5512.XXX
	Support fixing	0° 11.414.5574.XXX
	Strut fixing	0° 11.414.5580.000

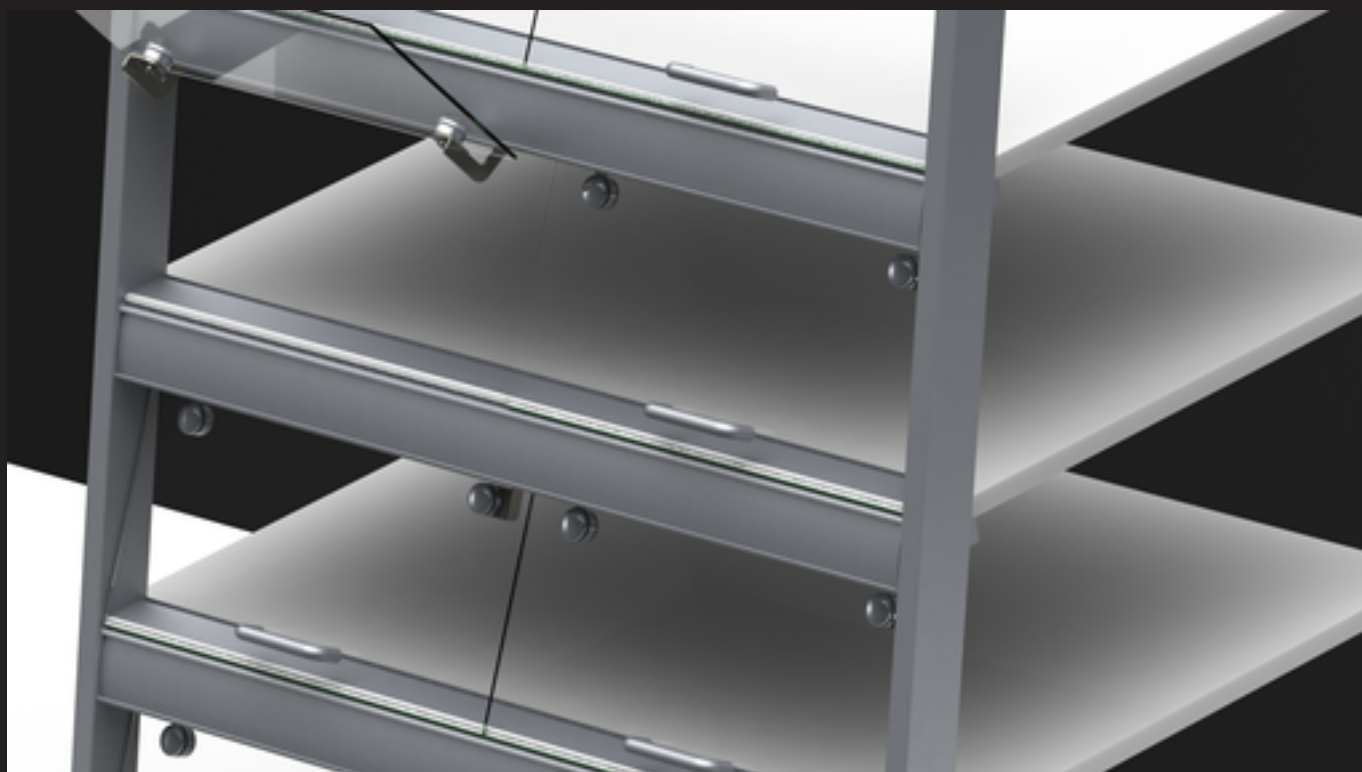
Picture	Product	Part number
	Hinge (stainless steel) Locking at 105° / 160° / 220°	11.414.5585.071
	Hinge 360°	11.414.5540.XXX
	Hinge 360° with lock with lock Note: for angled corner struts	left 11.414.5535.XXX right 11.414.5536.XXX
	Hinge 360° with lock with lock Note: for angled corner struts	11.414.5546.XXX
	Intermediate support length max. 360 mm 15kg L= 250 mm	200mm 11.414.5522.XXX 250mm 11.414.5523.XXX xxxmm 11.414.5565.XXX
	Support length max. 430 mm 20kg L= 300 mm	250mm 11.414.5560.XXX 300mm 11.414.5561.XXX xxxmm 11.414.5568.XXX
	Support 20° length max. 430 mm 15kg L= 300 mm	250mm 11.414.5562.XXX 300mm 11.414.5563.XXX xxxmm 11.414.5569.XXX

Picture	Product	Part number
	Intermediate support 20°	
	length max. 360 mm	200mm 11.414.5526.XXX
		250mm 11.414.5527.XXX
	 12kg L= 250 mm	xxxmm 11.414.5567.XXX
	Profile	5000mm 11.052.3318.XXX
	Mounting plate	11.414.5630.XXX
	Support fixing	0° 11.414.5558.XXX
		10° 11.414.5573.XXX
		20° 11.414.5559.XXX
	End cap	11.414.5550.XXX
	End cap for 10 mm glass with cover cap	11.414.5571.XXX
	Support fixing for 10 mm glass with cover cap	0° 11.414.5575.XXX
		10° 11.414.5572.XXX
		20° 11.414.5576.XXX

Picture	Product	Part number
	Fixing for intermediate bracket	0° 11.414.5556.XXX
		10° 11.414.5577.XXX
		20° 11.414.5557.XXX
	Glass frame profile	5000mm 11.052.1205.XXX
	Tilt- base profile	5000mm 11.052.1206.XXX
	Rose for tilt-forward hardware	end 11.414.5653.XXX
	Rose for tilt-forward hardware	center 11.414.5652.XXX
	Bracket	11.414.5537.XXX
	drill device for strut Bistro 35	18.042.0293.000

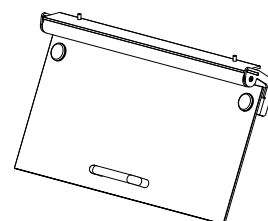
Picture	Product	Part number
	drill device Hinge 360° 11.414.5535.XXX 11.414.5536.XXX 11.414.5548.XXX	18.042.0296.000

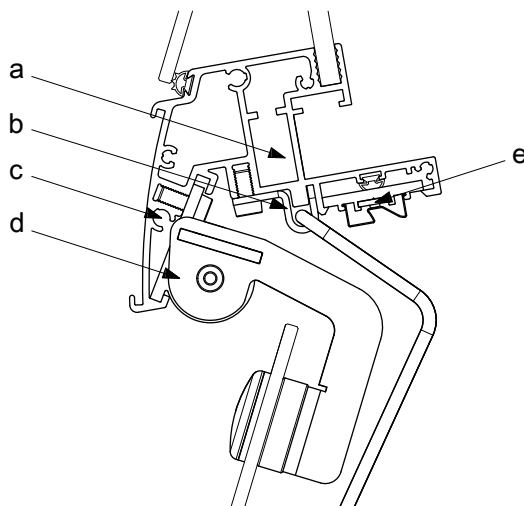
**Self-Service Bakery Shelf
Series Self-Service**



Product characteristics

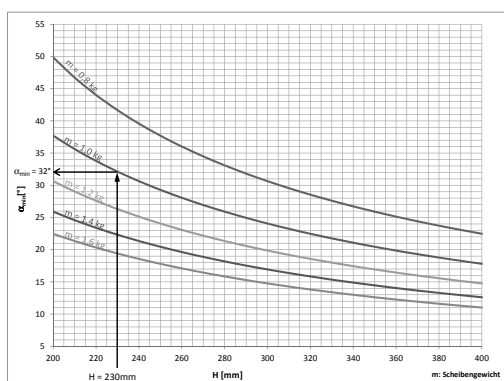
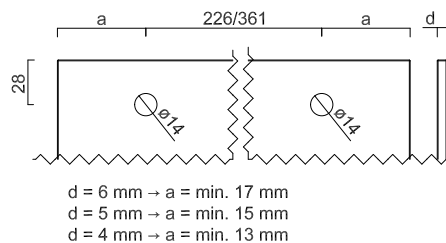
- Profile for self-service bread shelf
- Base profile with possibility for integration of
 - flap damping module with rotation and linear damper
 - securing against return of merchandise
- Integrated LED lighting
- Frame for assembly of base profile on request
- User-friendly assembly
- Damping modules also for assembly under base profile





- a) Space for fixing with extension lock
- b) Holder for return security
- c) Fixing possibility
- d) Damping unit
- e) LED lighting fixed with assembling profile

■ **Hole position for glasses:**

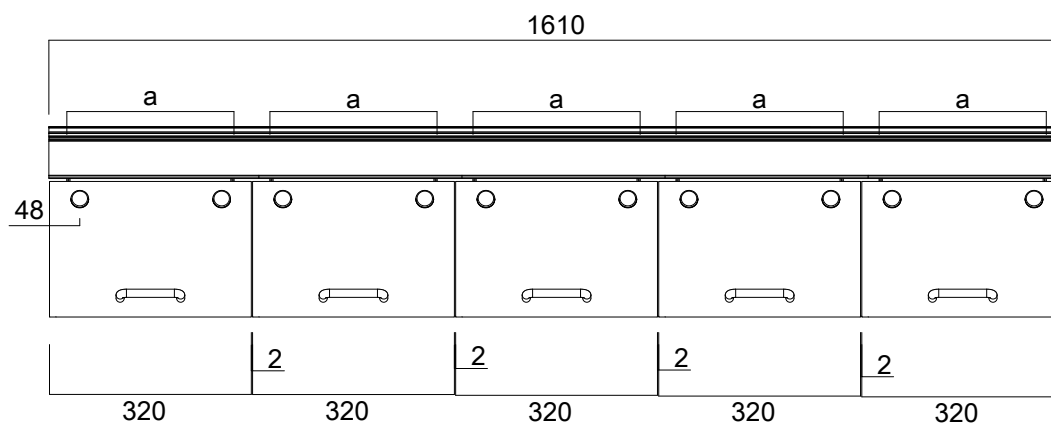
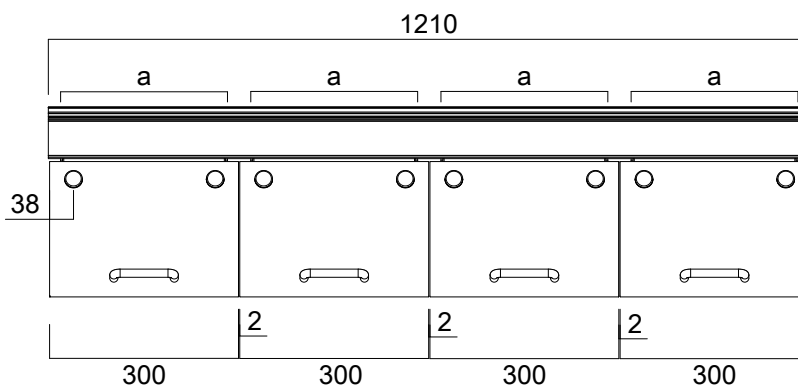
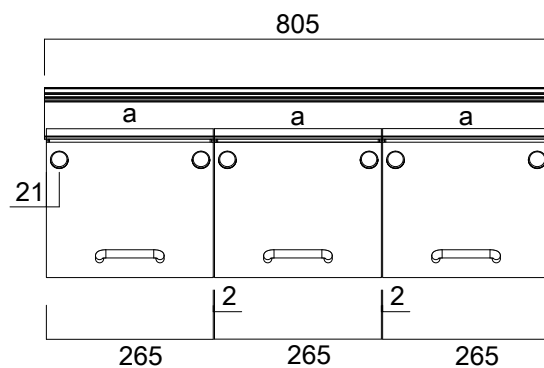


Sketch for calculation of glass slope (a) depending on weight of glass (m) and glass height (H)

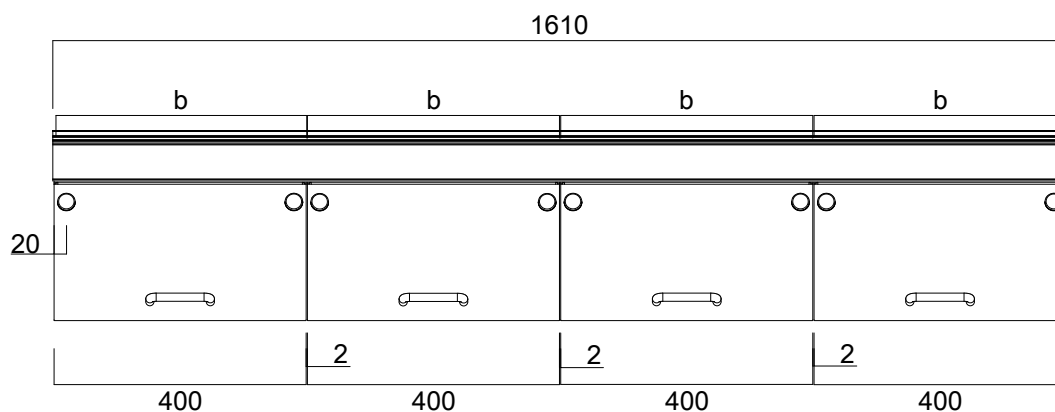
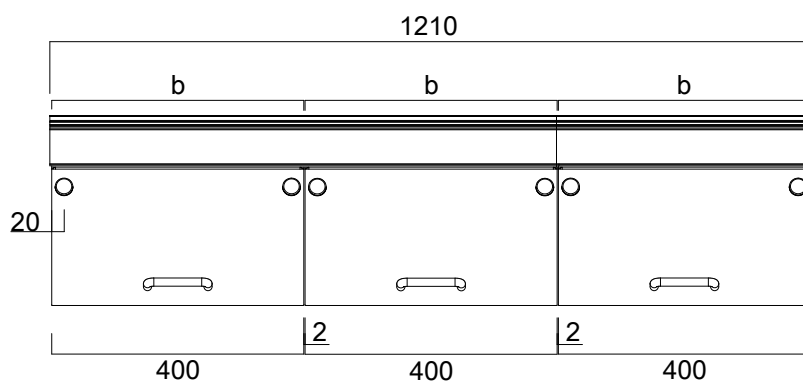
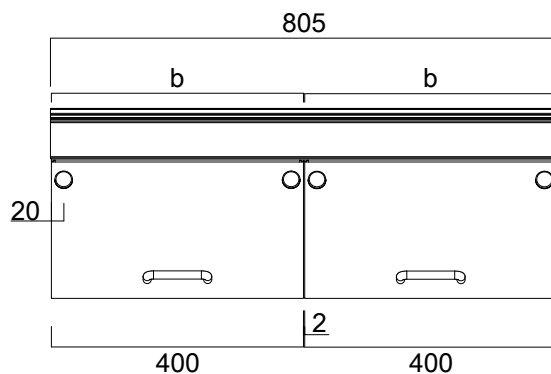
Example:

Glass weight $m = 1,0 \text{ kg}$

Glass height $H = 230 \text{ mm}$ results in a glass slope of $a = 32^\circ$


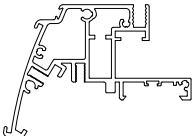
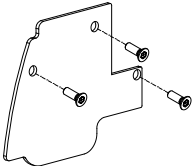
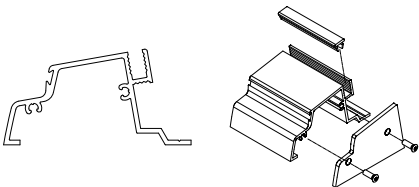
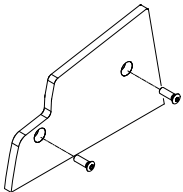
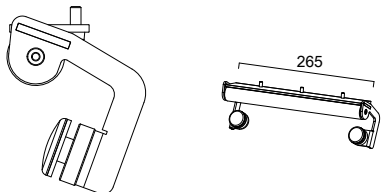
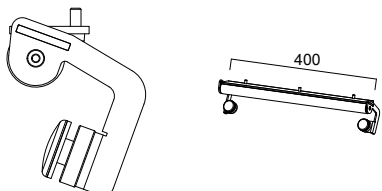


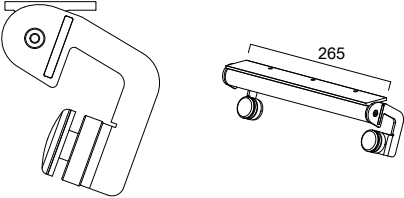
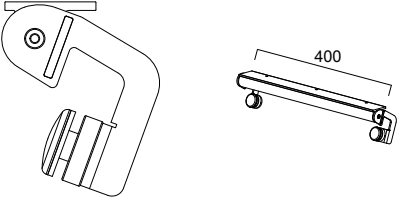
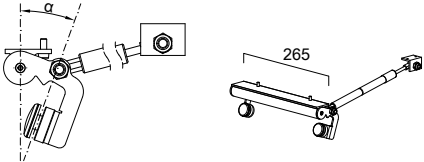
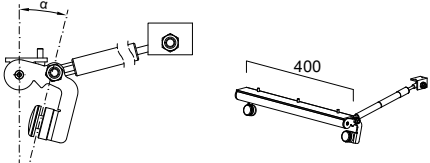
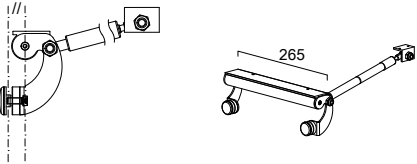
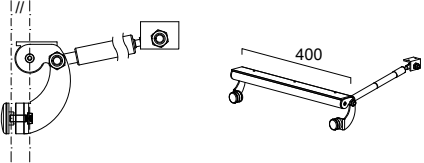
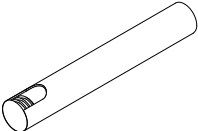
Assembly illustration with damping unit 265 mm.

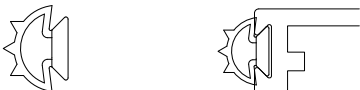

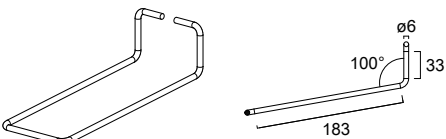
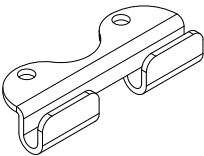


Assembly illustration with damping unit 400 mm.

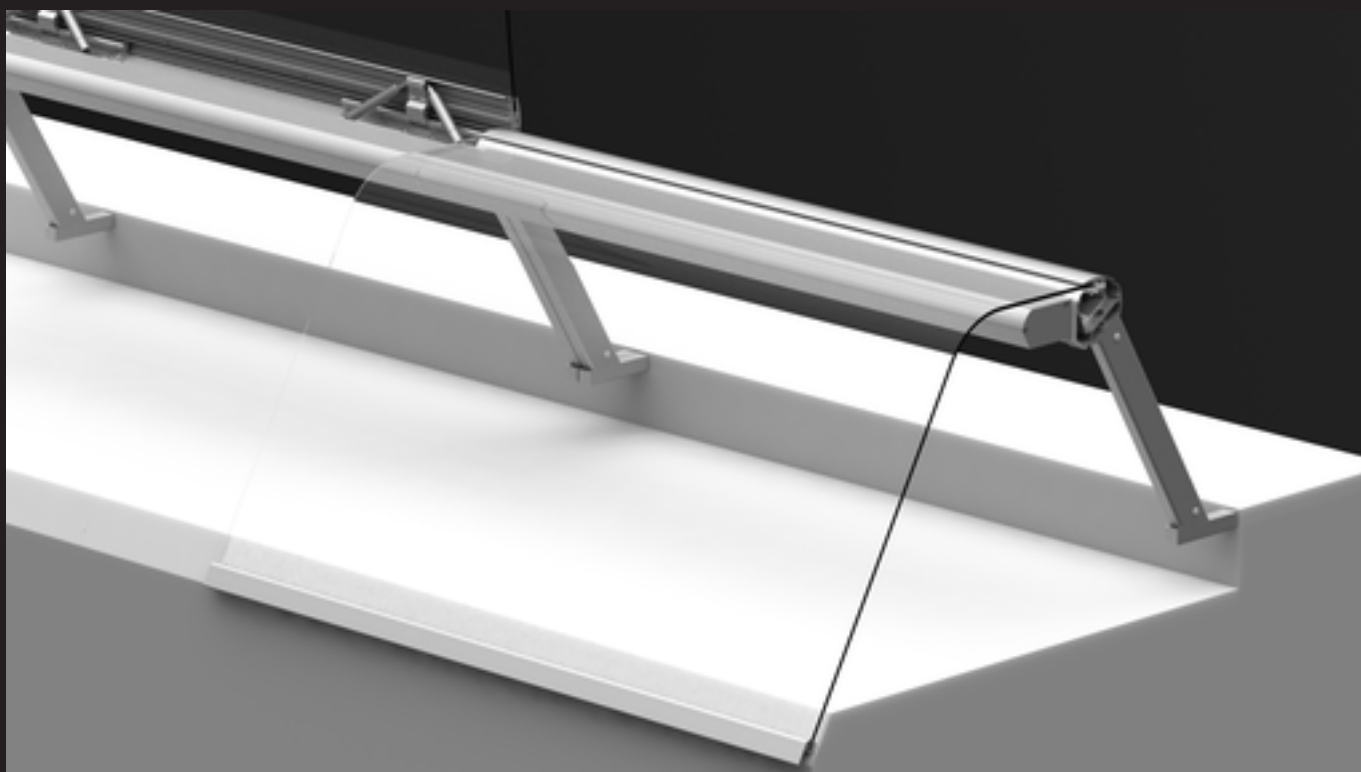
Self-Service Bakery Shelf

Picture	Product	Part number
	Self-service bakery shelf Assembly as per customer request	auf Anfrage
	Base profile	5000mm 17.052.5801.XXX
	End cap für Basisprofil	17.442.1050.XXX
	Striker profile	5000mm 17.052.3371.XXX
	End cap for striker profile	17.443.2790.XXX
	Damper unit Rotary damper for base profile	265 mm 17.442.1000.011.0265
	Damper unit Rotary damper for base profile	400 mm 17.442.1000.011.0400

Picture	Product	Part number
	Damper unit Rotary damper for substructure	265 mm 17.442.1001.011.0265
	Damper unit Rotary damper for substructure	400 mm 17.442.1001.011.0400
	Damper unit with linear damper mounting position: piston rod behind	265 mm 17.442.1002.011.0265
	Damper unit with linear damper mounting position: piston rod behind	400 mm 17.442.1002.011.0400
	Damper unit with linear damper	265 mm 17.442.1003.000.0265
	Damper unit with linear damper	400 mm 17.442.1003.000.0400
	Cover for gas ram	15.441.9770.XXX

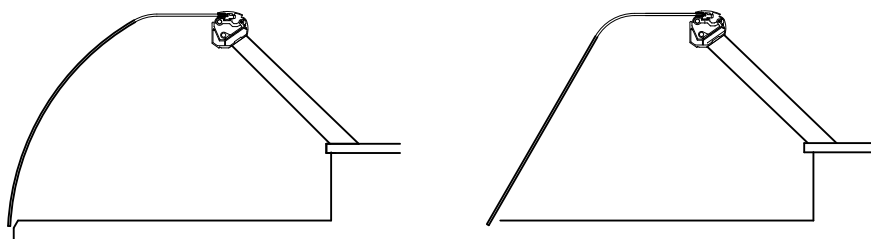
Picture	Product	Part number
	Striker profile plastic, transparent 3000mm	17.054.0579.087
	Groove profile plastic, grey 5000mm	17.054.0468.084
	Restraint bar out of stainless steel with holder out of aluminium	17.044.4800.070
	Holder for restraint bar screws have to be ordered separately M5x10-A2-70 040.4104.070.0010	17.044.4801.000 M5 040.4104.070.0010

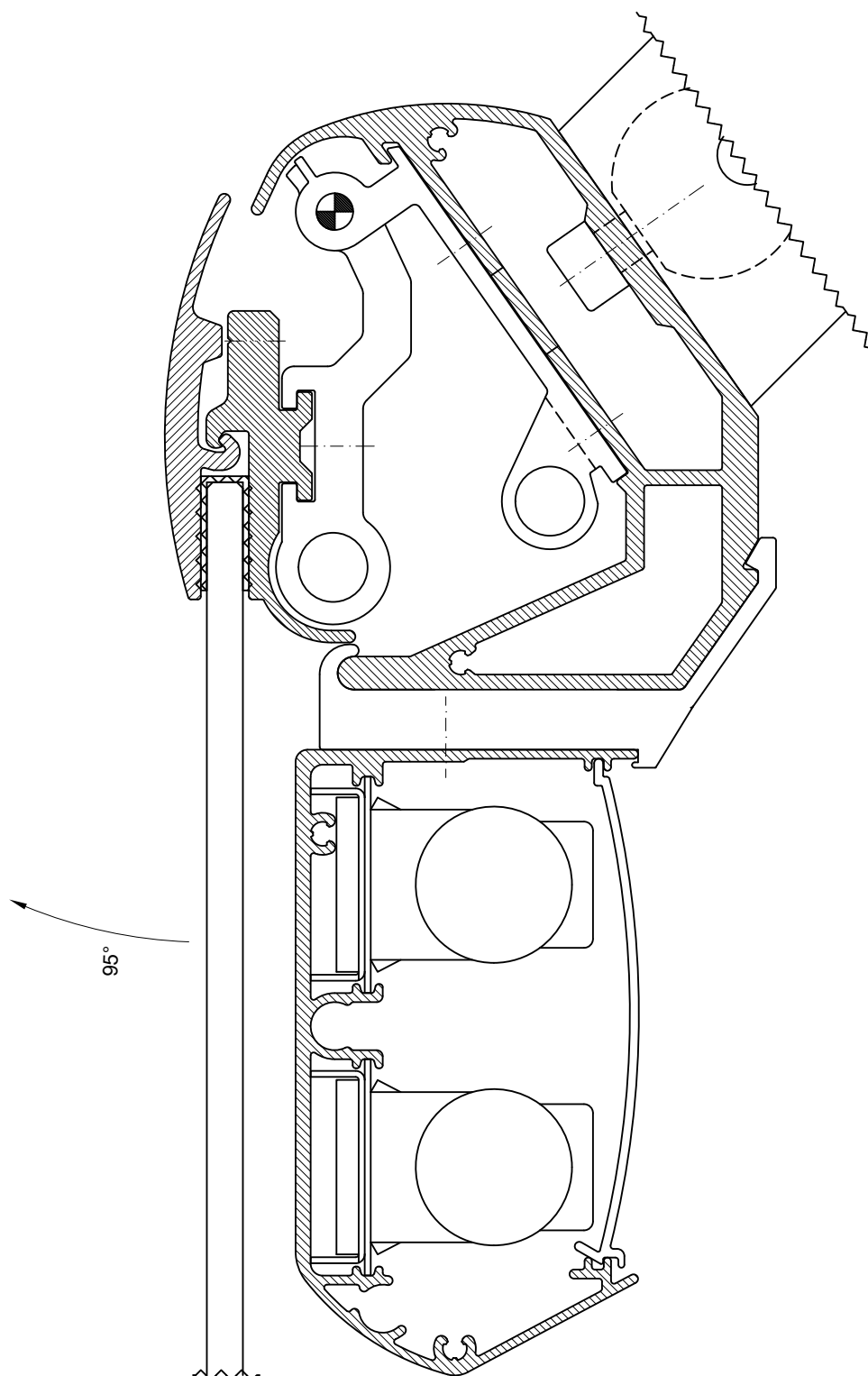
Type 220 A
Series 200 (Radial Lift®)



Product characteristics

- high stability - for large front glasses
- large distance between struts (max. 2 m)
- glass lengths independent from strut distances
- strut position independent from front glasses
- unlimited access to merchandise and excellent service comfort
- clear design - high transparency
- aluminum physiologically harmless
- surface silver satin anodized (color 011) - further colors on request
- secure due to balanced movements

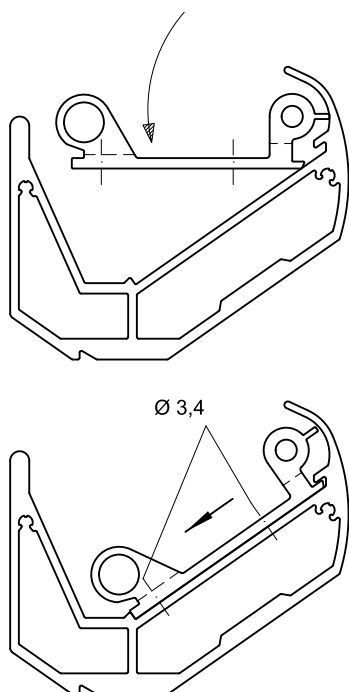
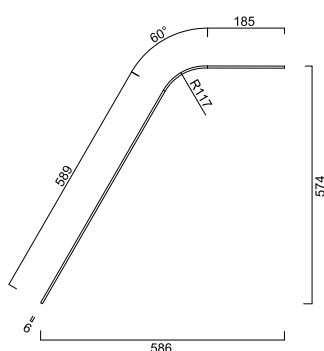




Planning information

- front glass 6 mm tempered, height max. 700 mm, length max. 2000 mm
- top service plate 8 mm tempered, depth 175 – 200 mm
- with additional rear strut
- opening angle 95°
- front glass gas ram supported on opening and closing

glass dimensios (no warranty for glasses)



assembly of lift-up elements:

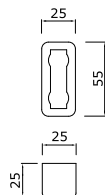
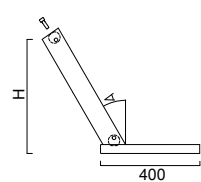
lift-up element (without gas ram) turning into base profile. Mark 8 holes with lift-up element. Drill 8 holes with Ø 3,4 mm.

Type 220 A

Picture

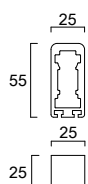
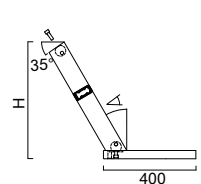
Product

Part number



Strut

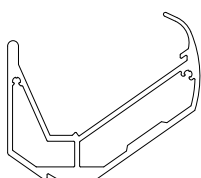
30°	18.445.0054.XXX
40°	18.445.0056.XXX
45°	18.445.0057.XXX



Strut

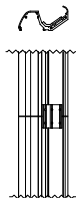
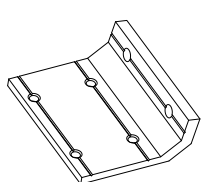
with guide for
intermediate support
without gas ram

30°	18.445.0074.XXX
40°	18.445.0076.XXX



Base profile

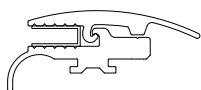
5000mm	18.052.3225.XXX
--------	-----------------



Connector

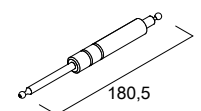
straight
(for Radial Lift 220/220 A)

18.445.2526.XXX



Glass clamp profile complete

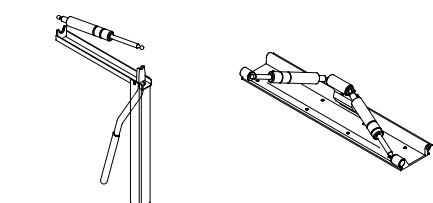
5000mm	18.445.2002.XXX
--------	-----------------



Gas ram Hydro Lift

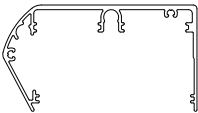
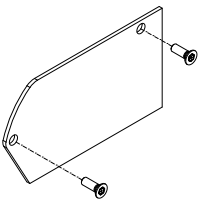
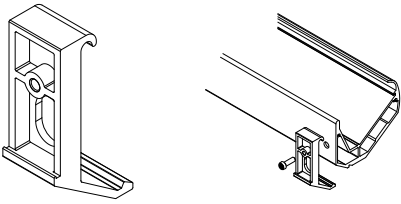
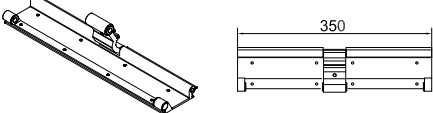
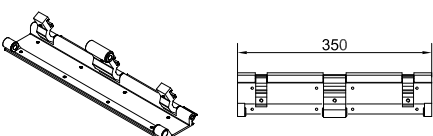
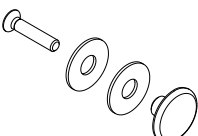
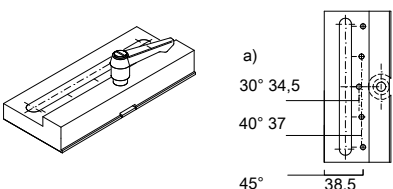
100N	18.044.2244.040
200N	18.044.3235.040
300N	18.044.2246.040
400N	18.044.2247.040
500N	18.044.2248.040
600N	18.044.2249.040

note:
Assembling position to be taken into
consideration!
piston rod directed to outside!

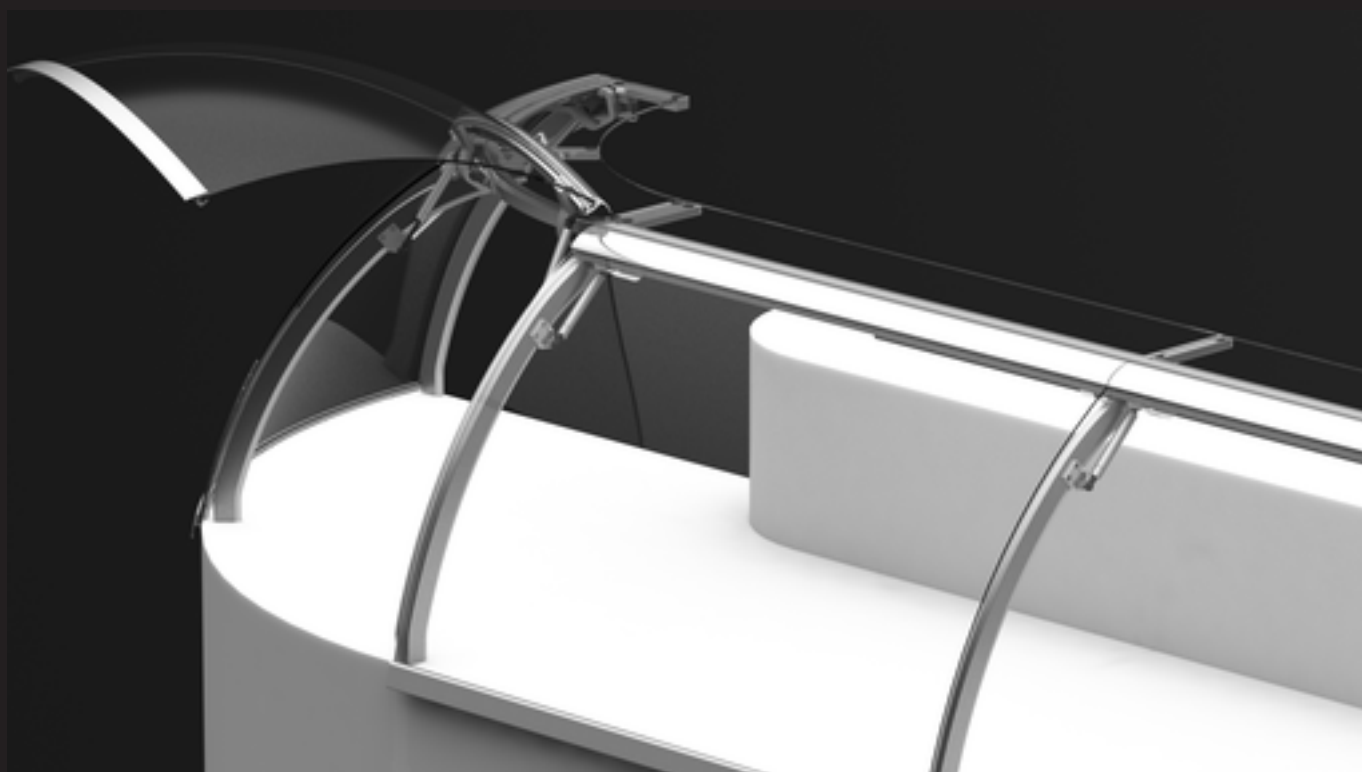


Assembling tool

18.042.0289.000

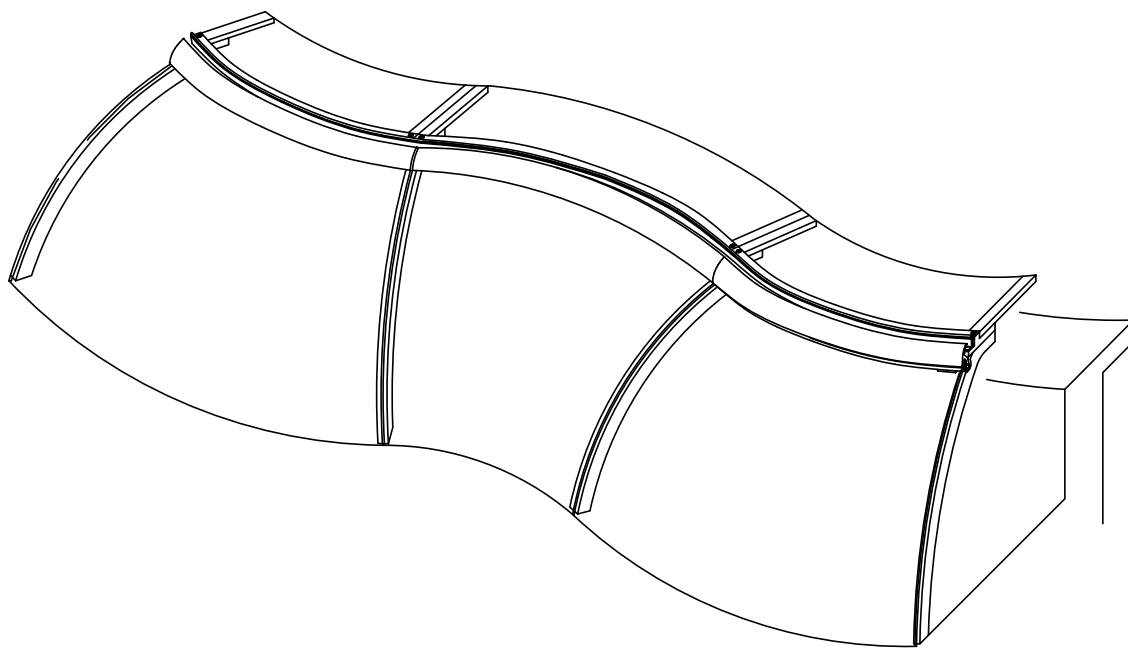
Picture	Product	Part number
	Light canopy profile for T8	5000mm 16.052.3226.XXX
	End cap for profile 16.052.3226.XXX	18.445.1518.XXX
	Clamp	18.045.1226.084
	Lift-up element without gas rams	18.445.0450.011
	Lift-up element for corner glasses for corner glasses without gas rams	18.445.0460.011
	Side-glass fixing	18.441.4592.XXX
	Drill template for base profile 18.052.3211.XXX 18.052.3225.XXX to strut a= strut slope	18.042.0278.000

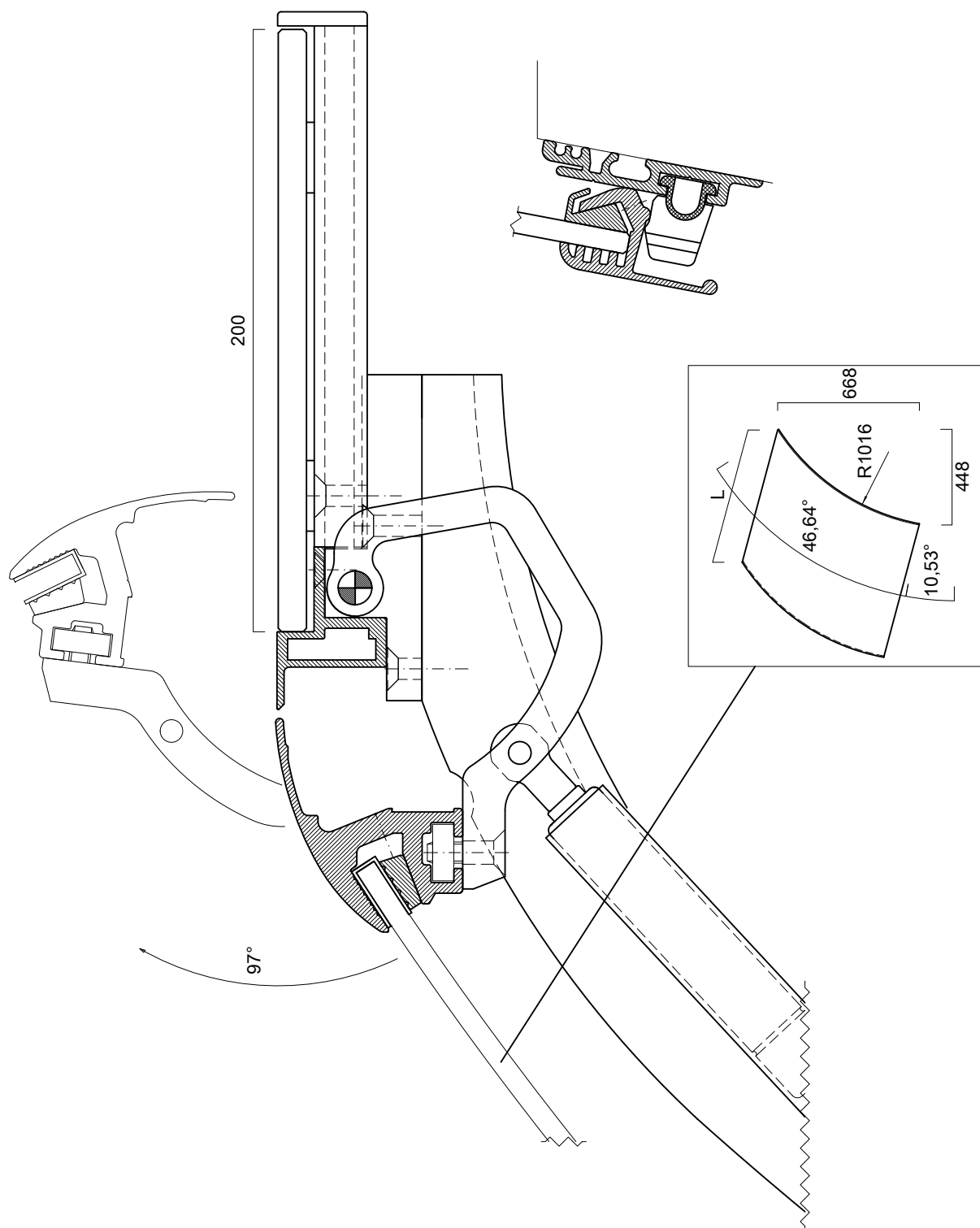
Type 420
Series 400 (Streamline)



Product characteristics

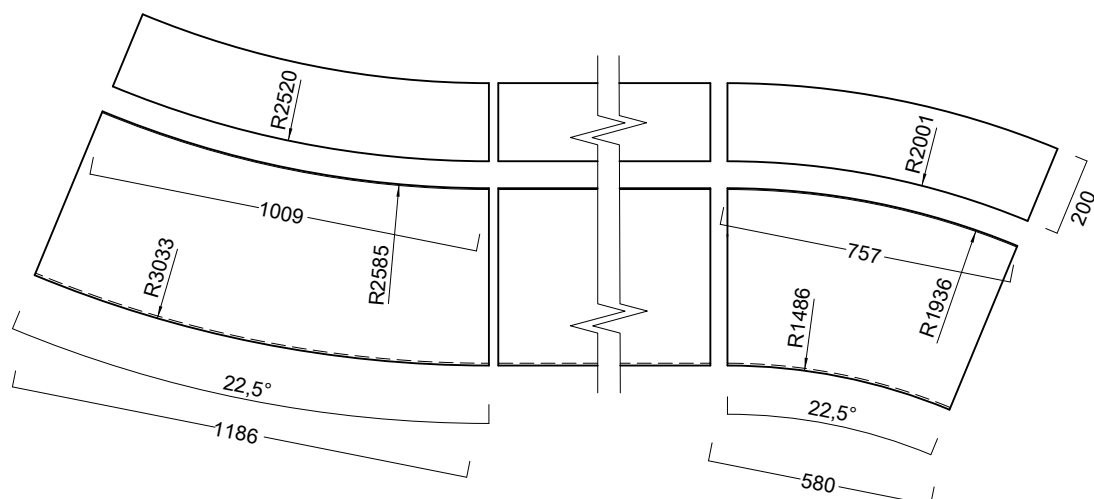
- high stability - for spherical front glasses
- glass 46.64°/668 mm
- internal and external corners possible
- glasses damped on closing
- large opening angle 165° (maximum access for cleaning and reloading with merchandise)
- maximum glass length L = 960 mm
- aluminum physiologically harmless
- surface silver satin anodized (color 011) or black anodized (color 016) - other colors on request



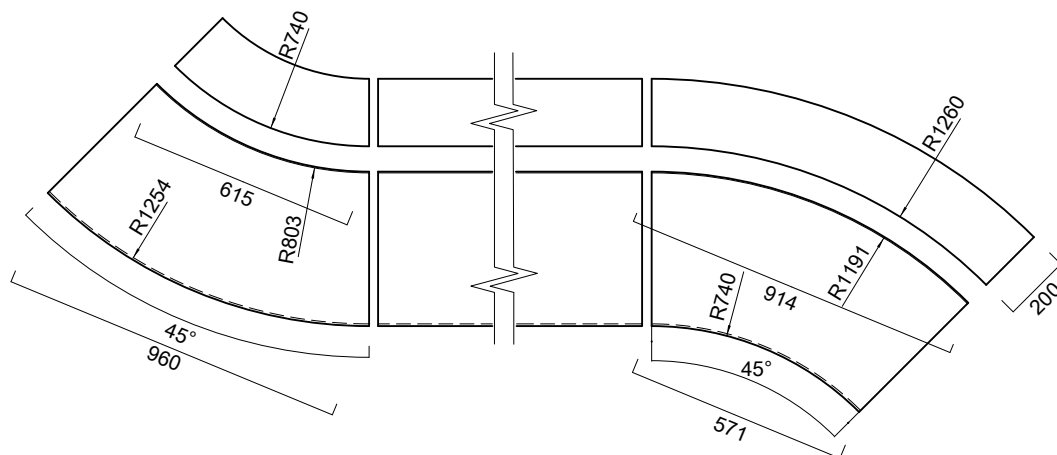


Planning information

- front glass 6 mm ESG
 - height max. 700 mm
 - top service plate 8 mm tempered
 - depth max. 500 mm
 - opening angle 97°
- glass dimensions (no warranty for glasses)



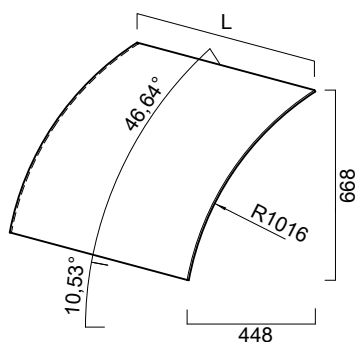
22.5°

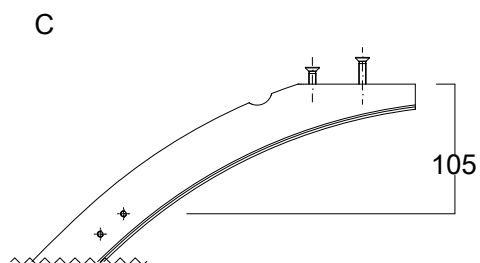
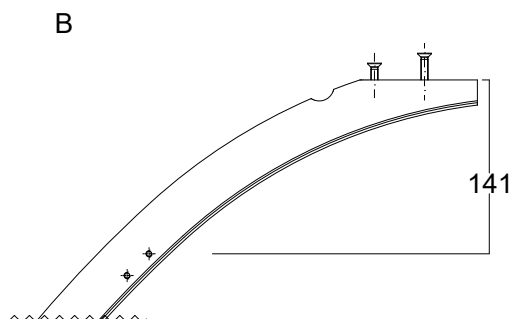
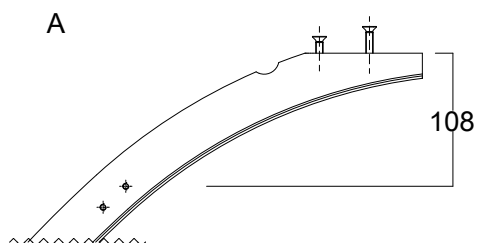


45°

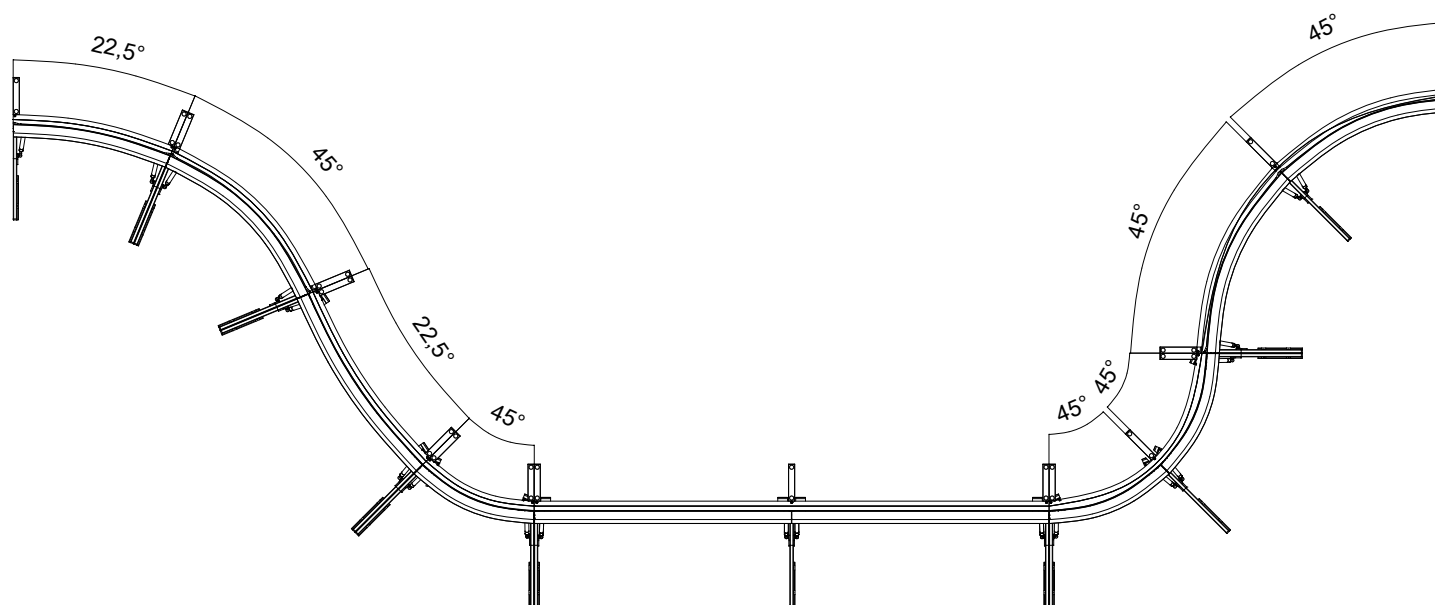
gas ram pressures for 46.64°
calculation of gas ram pressures without hand grip

943 mm 500 N
1243 mm 600 N
1443 mm 700 N





A= strut end / center for straight case
 B= strut left / right for internal corner
 C= strut left / right for external corner



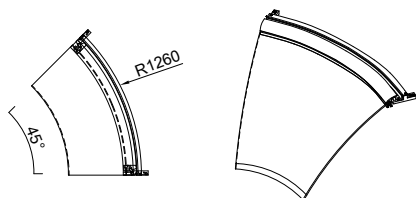
possible positioning
straight case 943 mm / 1243 mm / 1443 mm
external corner 45° internal corner 45°
external corner 22,5° internal corner 22,5°

Type 420

Picture

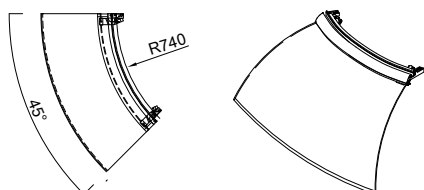
Product

Part number



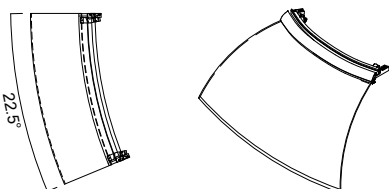
Support set complete
internal corner 45°
incl. front profile,
glass clamp profile and
hand grip profile bent,
gas rams 300 N

14.446.5791.XXX



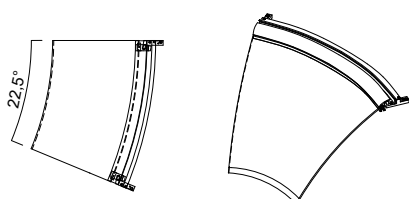
Support set complete
external corner 45°
incl. front profile
glass clamp profile and
hand grip profile bent,
gas rams 400 N

14.446.5796.XXX



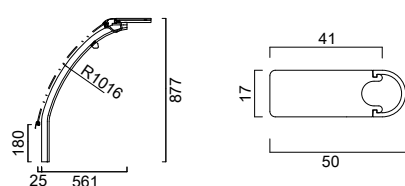
Support set complete
external corner 22,5°
incl. front profile,
glass clamp profile and
hand grip profile bent,
gas rams 400 N

14.446.5926.XXX



Support set complete
internal corner 22,5°
incl. front profile
glass clamp profile and
hand grip profile bent,
gas rams 300 N

14.446.5761.XXX

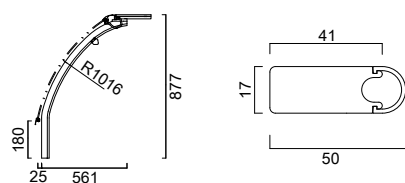


Strut for straight case
without gas ram

end
center

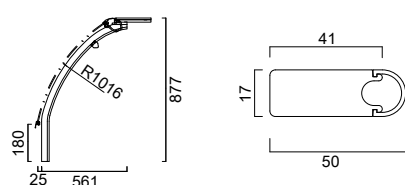
14.446.5011.XXX

14.446.5012.XXX



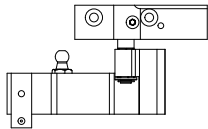
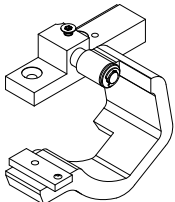
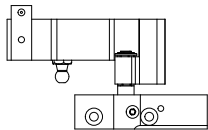
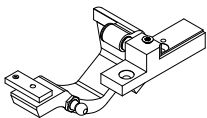
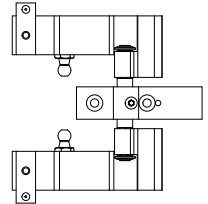
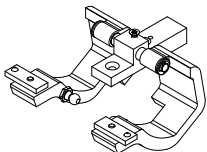
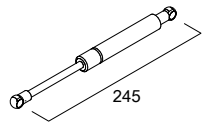
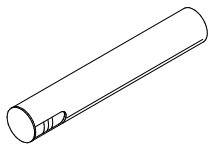
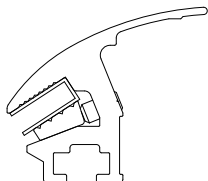
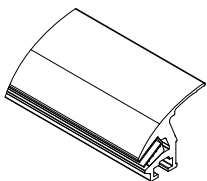
Strut for internal corner
without gas ram
(see above)

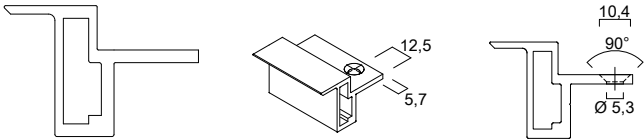

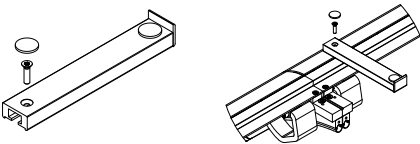
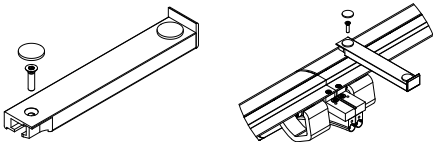
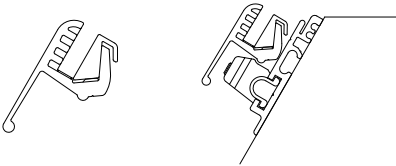
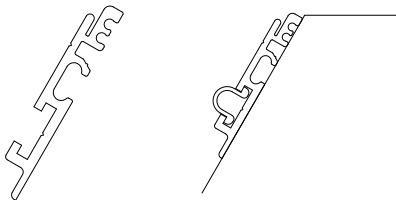
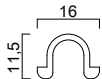
left / right 14.446.5013.XXX



Strut for external corner
without gas ram
(see above)

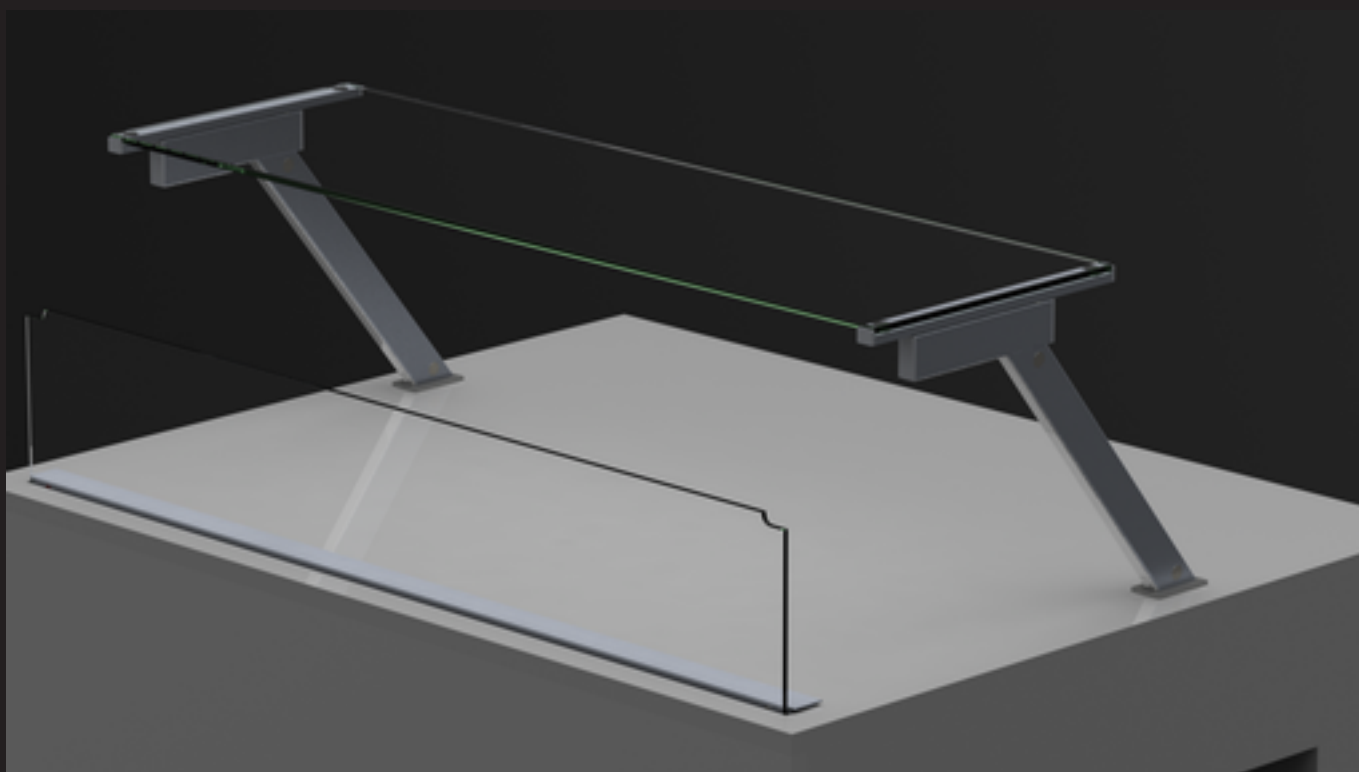
left / right 14.446.5014.XXX

Picture	Product	Part number
 	Lift-up element, for straight case	left
		14.446.5711.XXX
 	Lift-up element, for straight case	right
		14.446.5712.XXX
 	Lift-up element, for straight case	center
		14.446.5713.XXX
	Gas ram Lift-O-Mat	100N
		200N
		250N
		300N
		400N
		500N
		600N
		700N
		800N
		900N
		1,000N
		1,100N
		1,200N
	Cover for gas ram for straight case 14.446.6008.XXX	external corner
		internal corner
 	Glass clamp profile, complete	5000mm
		14.446.5510.XXX

Picture	Product	Part number
	Front profile 5000mm	14.052.3384.XXX
	Connector	14.446.6001.XXX
	Support for internal corner and for straight case	200mm 14.446.5704.XXX
	Support for external corner	left right 14.446.5705.XXX 14.446.5706.XXX
	Hand grip profile complete	5000mm 19.441.6306.XXX
	Striker profile	5000mm 19.052.3776.XXX
	Groove profile plastic, transparent	25m 19.054.0500.087

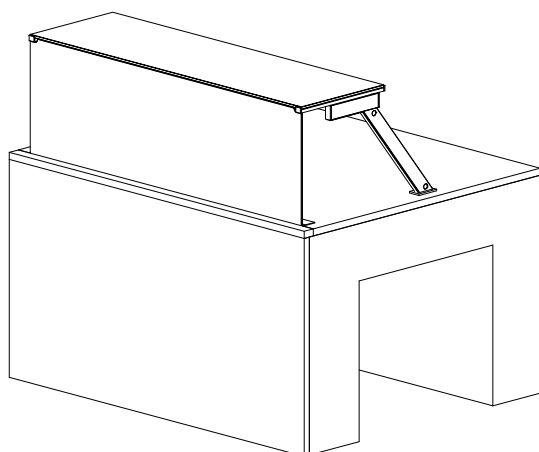
Picture	Product	Part number
	Keeper for striker profile plastic	19.441.6543.094
	Side-glass fixing	14.448.5000.XXX

Type 570
2Serve - service and self-service case

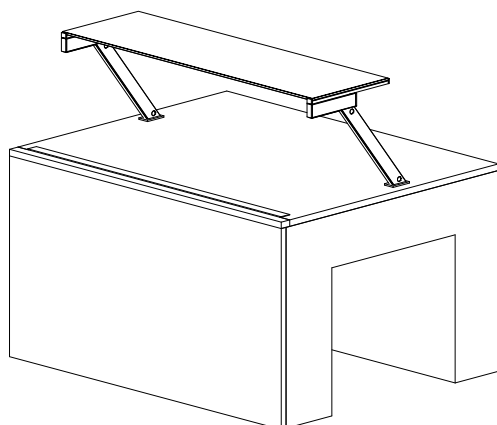


Product characteristics

- hardware series for conversion from service to self-service case
- motor driven retractable front glass (230V AC/ 50 Hz; 345W)
(operate only by push and hold button, not by switch)
- for 6 and 8 mm front glass
- glass weight of 7 up to 17 kg
- automatic cover with retracted front glass
- movable top service plate
- strut assembly in front, center or rear position



a) Front glass and top service plate closed



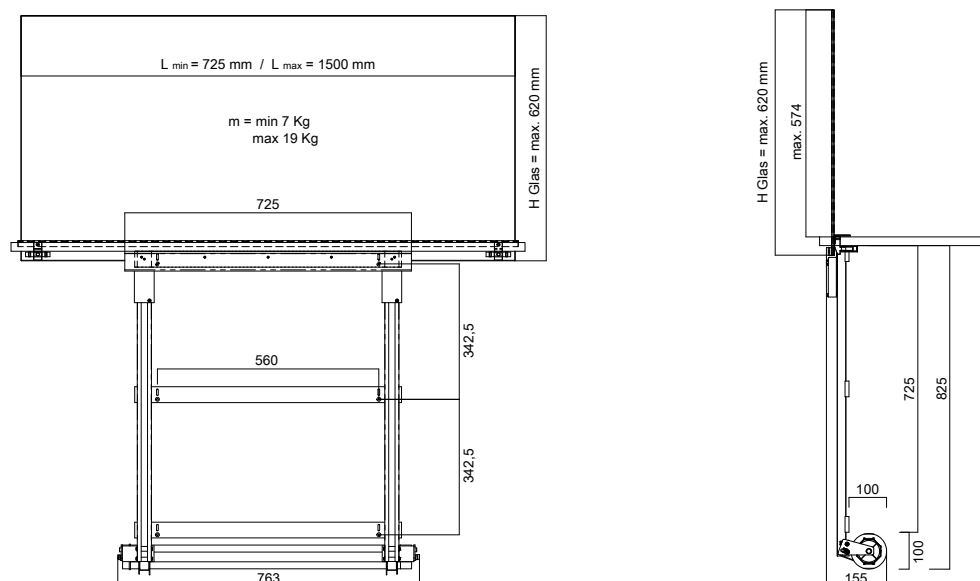
b) Front glass and top service plate open

Planning information

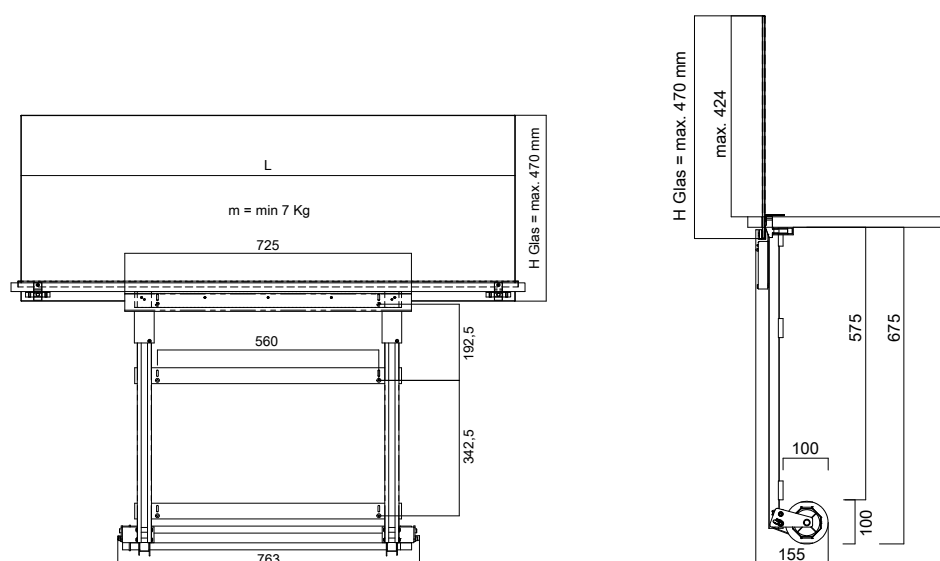
Necessary assembly dimensions of retractable front glass hardware

Delivery as a kit.

■ Standard Version (example)

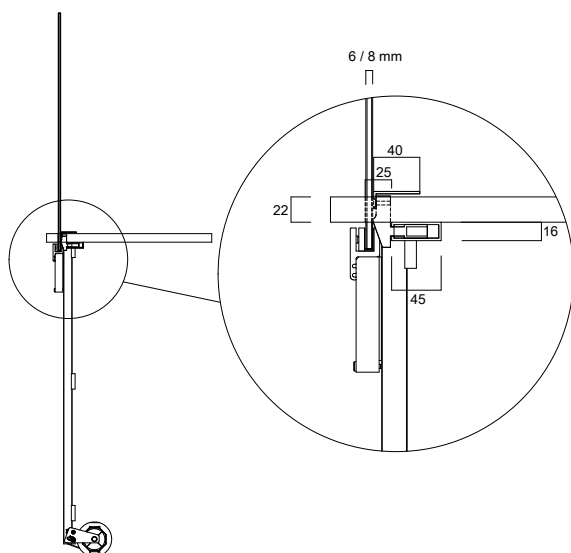


■ Shortened version (example)

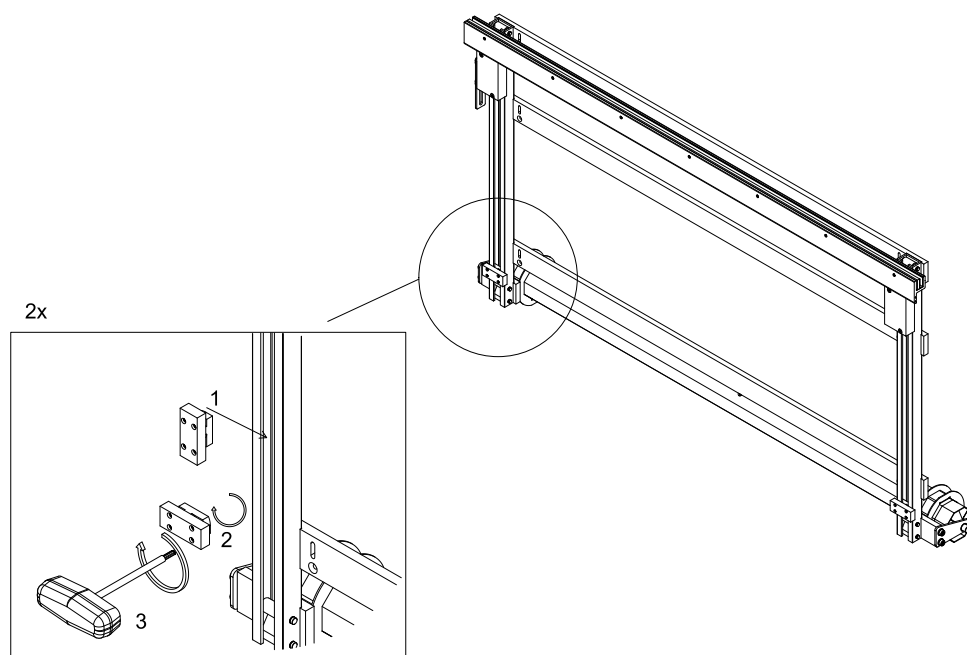


Assembly dimensions self-closing cover strip

Cover strip provided in 1.500 mm length, to be shortened by customer if required.

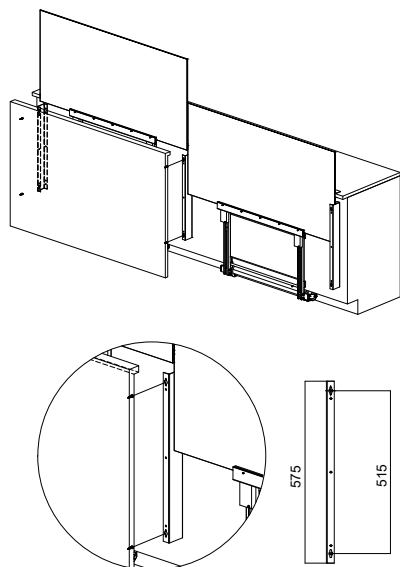


Definition of bottom position of front glass



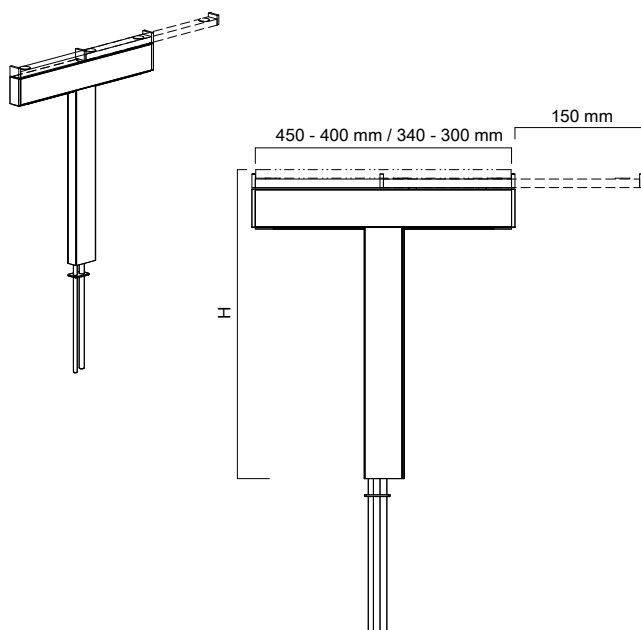
- 1) Insert strikers into left and right side.
- 2) Turn around by 90°.
- 3) Screw.

Mounting position of front suspension

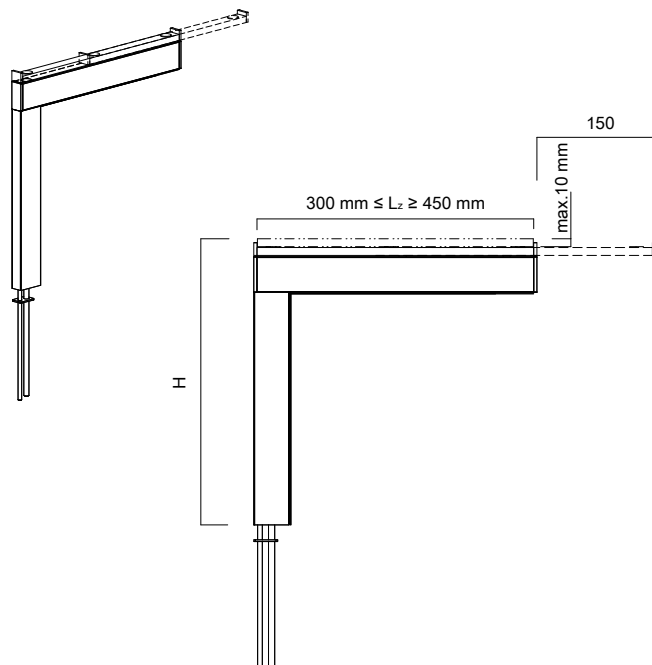


Moving distance and length of top service plate

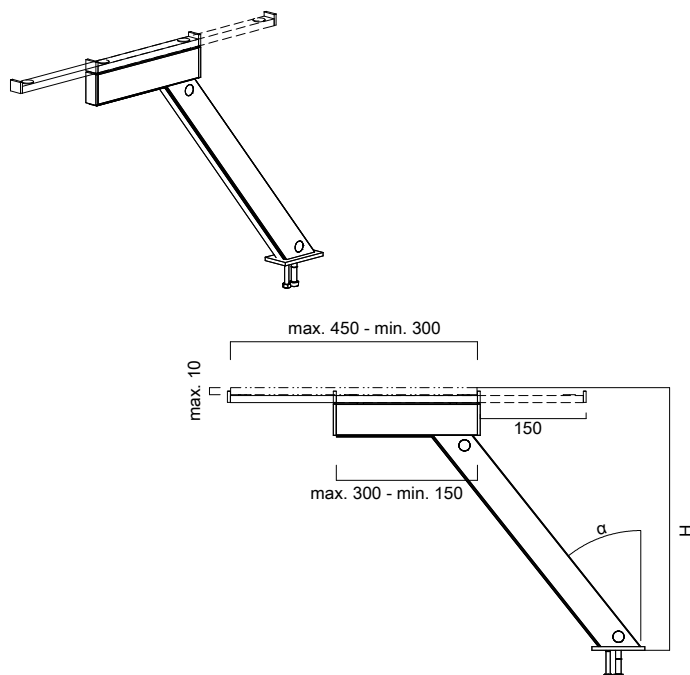
■ **Center strut (one or two sliding rails)**



■ **Front strut (one or two sliding rails)**



■ **Rear strut (one or two sliding rails)**



Use motor cable to program end positions of electric motor.

Type 570

Picture

Product

Part number



Type 570, retractable front glass hardware
Connection data engine:
230V AC/50Hz; 345W

18.449.2100.XXX



Type 570, front suspension
for mounting a front

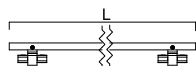
18.449.2107.071



Type 570, motor cable
to adjust the place

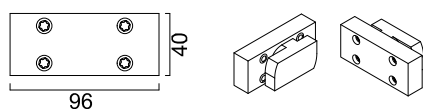
18.045.5023.080

Please consider the instruction!



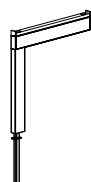
Type 570, self-closing cover strip
maximum length 1.500 mm

18.449.2101.XXX



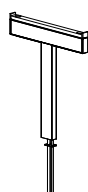
Type 570, stopper
Striker

Set 2 Stk. **449.2136.000**



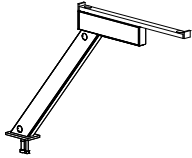
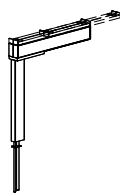
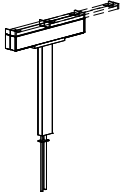
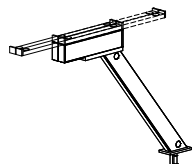
Type 570, front strut
with adjustment mechanism

18.449.2102.XXX

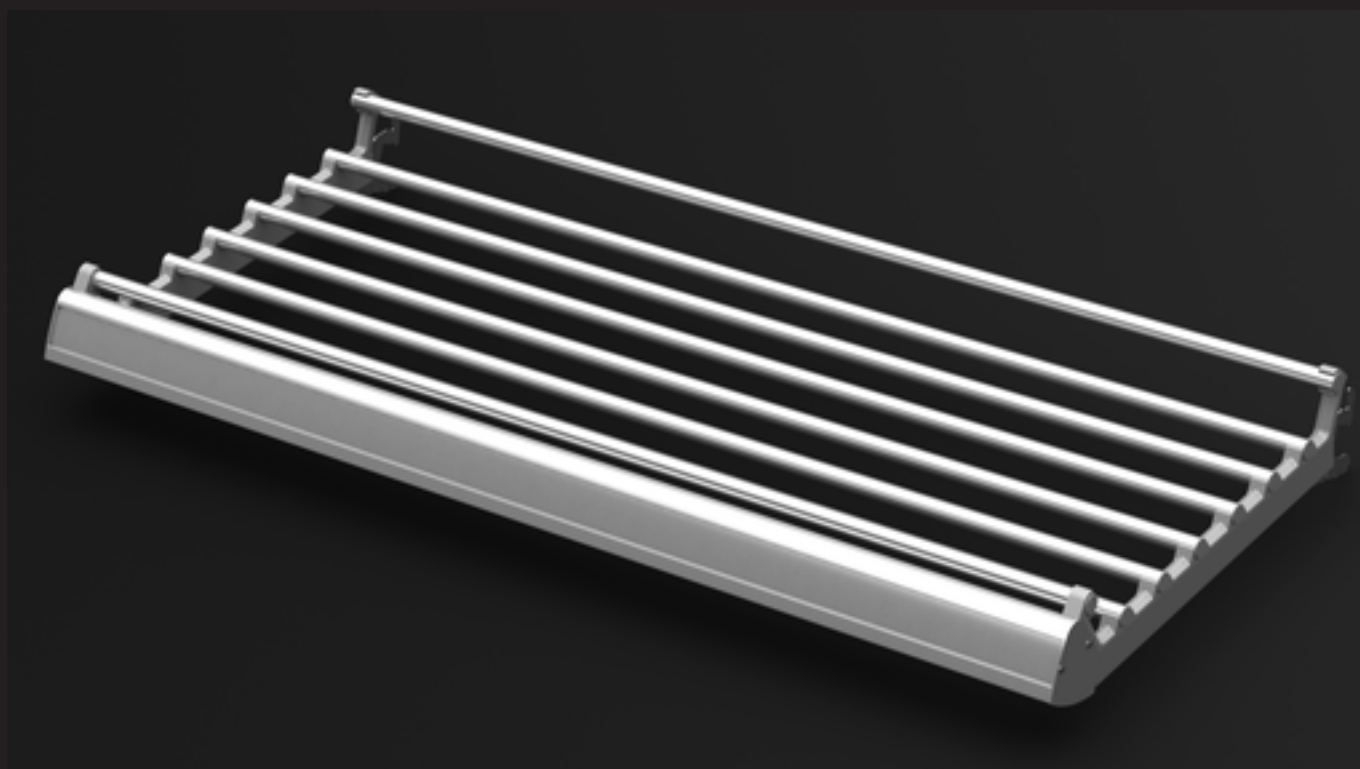


Type 570, center strut
with adjustment mechanism

18.449.2104.XXX

Picture	Product	Part number
	Type 570, rear strut with adjustment mechanism	18.449.2106.XXX
	Typ 570, Mittelstütze vorne mit Verschiebemechanik (2 Gleitschienen)	449.2103.XXX
	Typ 570, Mittelstütze Mitte mit Verschiebemechanik (2 Gleitschienen)	449.2105.XXX
	Typ 570, Mittelstütze hinten mit Verschiebemechanik (2 Gleitschienen)	449.2108.XXX

Bread gratings 1
Series Bread



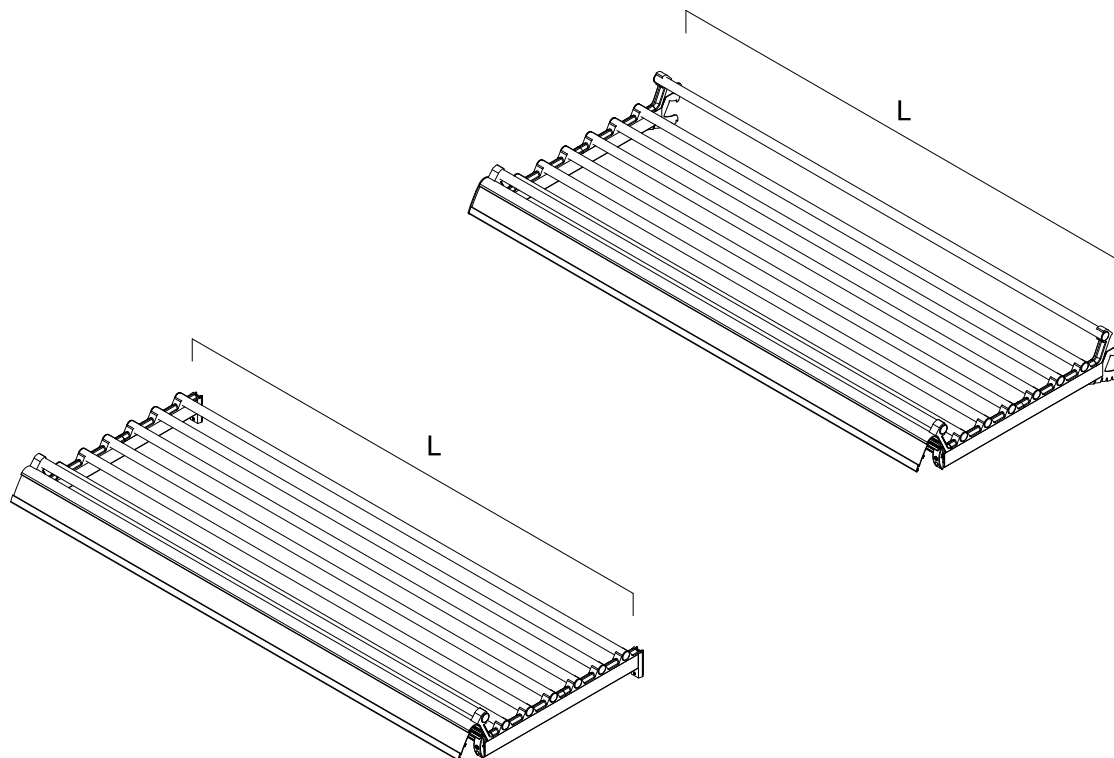
Product characteristics

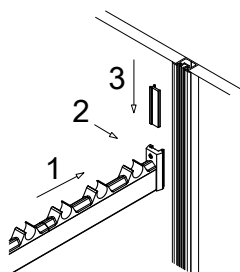
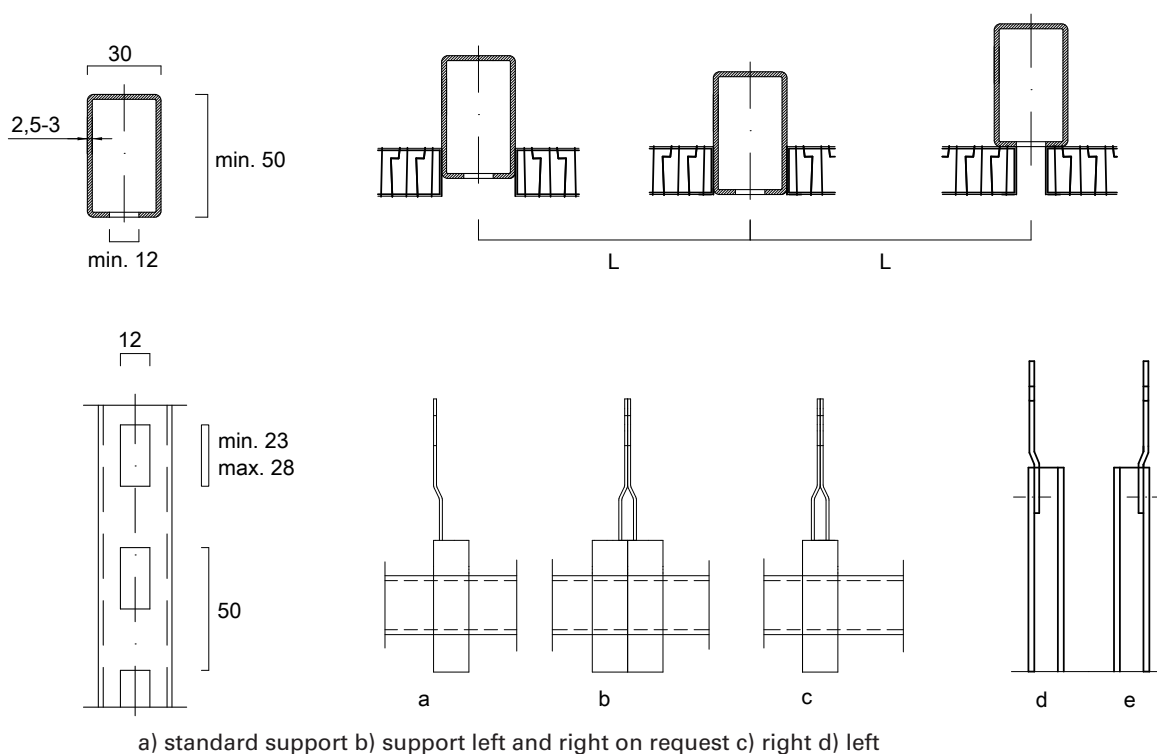
- for key rails and punched rails
- axial dimension L max. 1250 mm (each axial dimension realizable)
- load up to 55 kg
- slope up to 90° adjustable
- lighting T5, T8 or LED
- optional lighting on rear side
- with price tag
- wooden cover may be installed from customer
- aluminum physiologically harmless
- surface silver satin anodized (color 011) or black anodized (color 016) - other colors on request

Planning information

- **axle dimension**
bread grating S and L adjustable by mechanism with axle dimension up to 1000 mm, to ensure easy handling
bread grating S and L slope 20° or 30° with axle dimension up to 1250 mm
each axle dimension can be supplied - please use attached order form and take order details into consideration
- **maximum load depending on axle dimensions**
625 mm = 55 kg
1000 mm = 45 kg
1250 mm = 35 kg
- **slope adjustment**
bread grating S and L adjustable by mechanism in 0°, 30°, 60°, 90°
bread grating S and L fixed slope in 20° or 30° position
- **optional lighting on rear side – lighting of lower level**
by means of a LED-clip (17.045.1413.080) a LED may be assembled to each carrying profile
light canopy (16.052.3320.XXX) replaces the last carrying profile
- **dimension for wooden covers installed by customer**
groove width of profile B= 20,2 mm x h 1 mm
light canopy Bmax = 50 mm x H = requested height – h (h = height of wood on carrying profile)

alternative colors possible with different lead times and prices



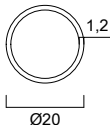
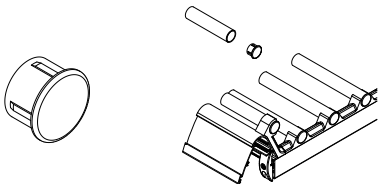
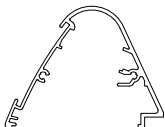
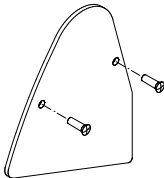
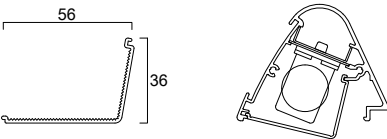
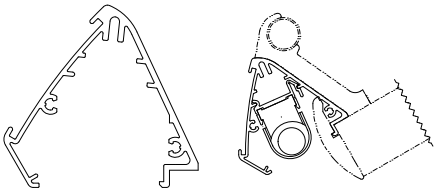
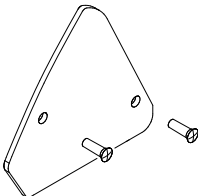


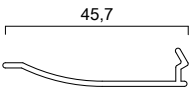
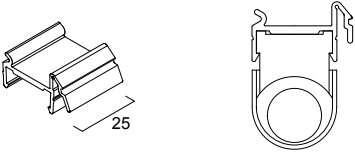
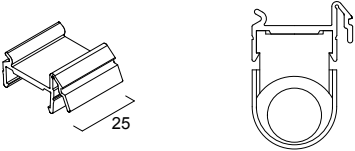
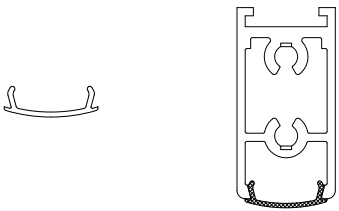
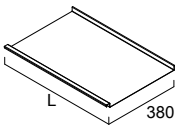
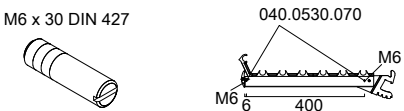
At Sliding rail 17.052.5991.XXX or 17.052.5986.XXX
Please note mounting sequence.

Function of sliding rail 17.052.5991.XXX only in connection with cover profile 17.052.5995.XXX and Clip 17.045.1076.087

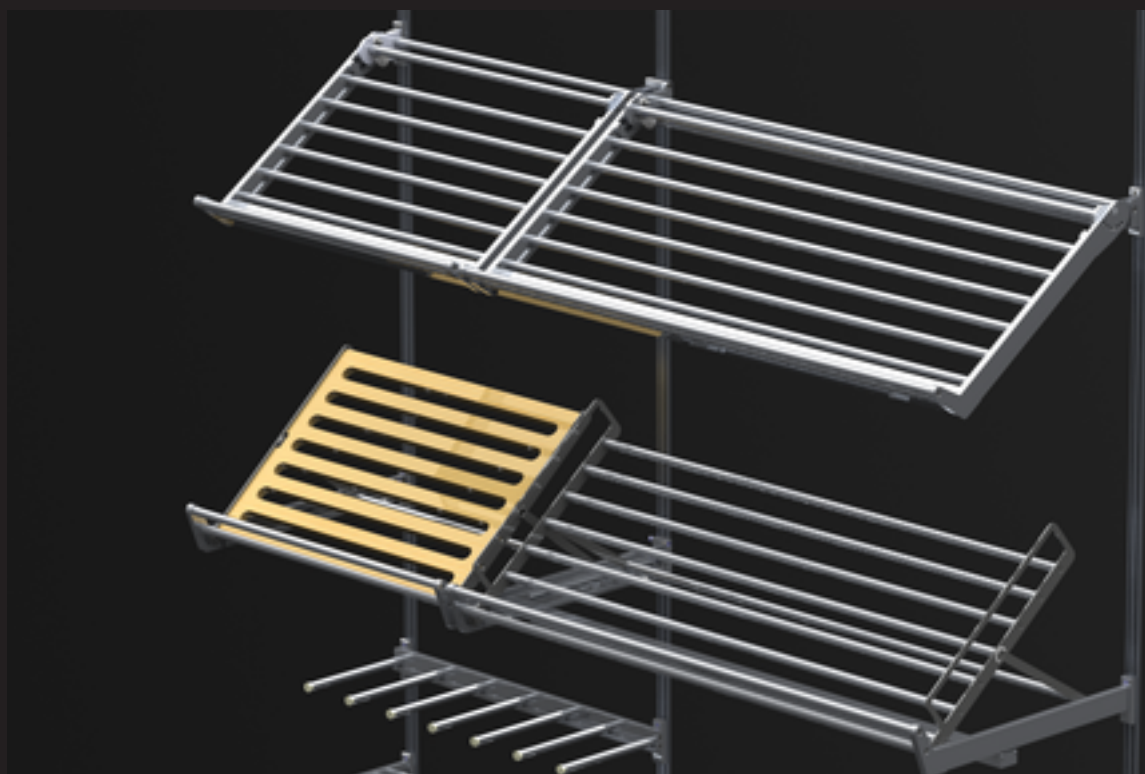
Bread gratings 1

Picture	Product	Part number
	Support 30 kg	left 17.442.0561.XXX right 17.442.0562.XXX center 17.442.0560.XXX
	Support 30 kg	left 17.442.0571.XXX right 17.442.0572.XXX center 17.442.0570.XXX
	Support 40 kg	0° 17.442.0580.XXX 10° 17.442.0581.XXX 20° 17.442.0582.XXX 30° 17.442.0583.XXX
	Key rail profile	5000mm 19.052.5986.XXX
	Key rail Observe the assembly sequence: Function only in connection with cover profile 17.052.5995.XXX and Clip 17.045.1076.087	17.052.5991.XXX
	Cover profile	17.052.5995.XXX
	Clip, plastic for fixing of cover profile price tag rail abt. 4 pcs.per meter	50mm 17.045.1076.087

Picture	Product	Part number
	round tube aluminum	5000mm 17.050.6042.XXX
	End piece plastic	champagne col- our light grey schwarz 17.045.0993.082 17.045.0993.084 17.045.0993.086
	Light canopy for T8	5000mm 16.052.3280.XXX
	End cap	16.442.0633.XXX
	Acrylic cover T8	5000mm 16.054.0520.087
	Light canopy profile for T5	5000mm 16.052.3321.XXX
	End cap for 16.052.3321.XXX	16.443.2776.XXX

Picture	Product	Part number
	Acrylic cover for 16.052.3321.XXX	16.054.0574.087
	Clip, plastic for T5 light canopy Hera SlimLite XL recommended 3 pcs. per tube	16.045.1332.080
	Clip, plastic for T5 light canopy Hera SlimLite CS recommended 3 pcs. per tube	16.045.1476.080
	Cover profile for cable canal	5000mm 17.054.0557.087
	Crumb plate for axe dimension / L 1000 mm / 975 mm 1250 mm / 1225 mm further lengths on request	975 mm 17.442.0340.XXX 1225 mm 17.442.0341.XXX
	Set screw bracket for crumb plate	17.040.0530.070

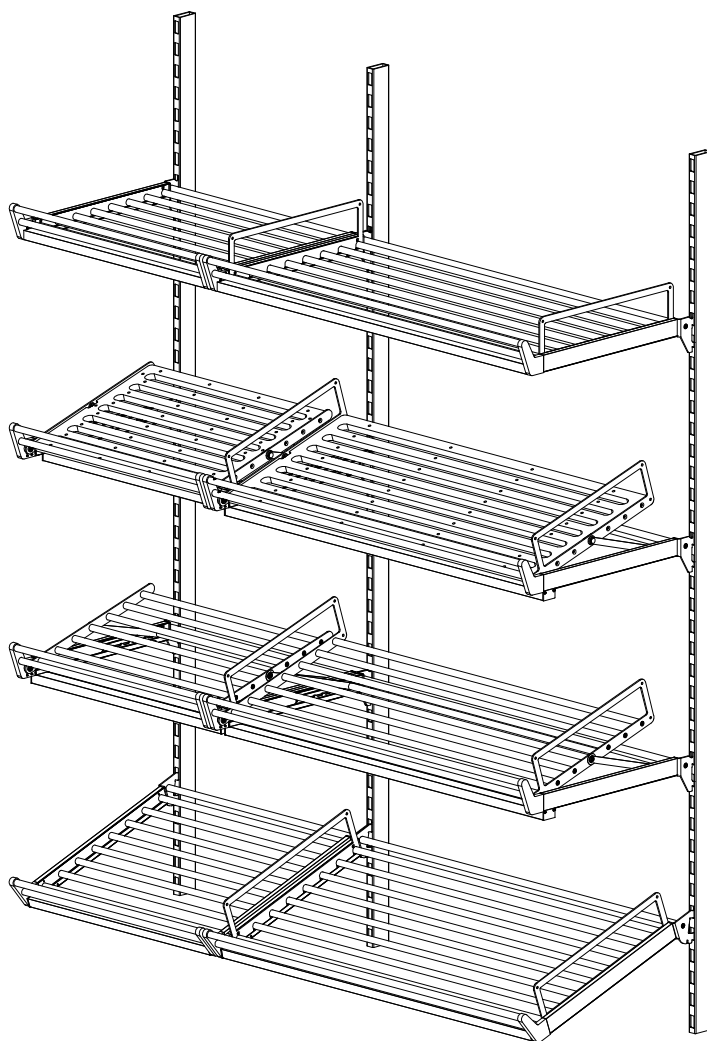
Bread grating 3

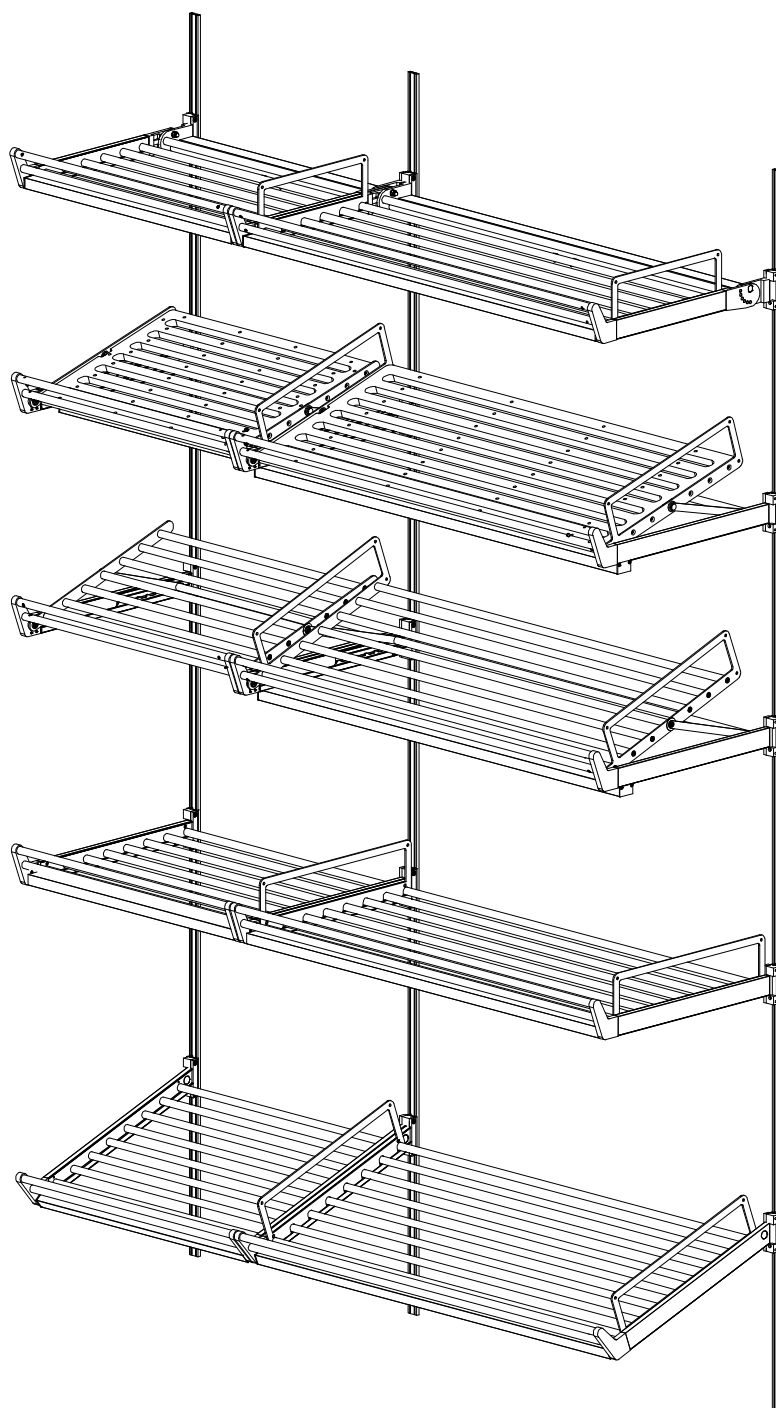


Product characteristics

- flexible system for individual construction of bread gratings
- axle dimension up to 1000 mm
- shelf out of aluminum or wood
- front or rear slope
- wall connection for key rail and punched rail
- covered cables
- optional reeling
- easy adjustable during the staff
- baguette presentation
- rails of breadgrating only in black available

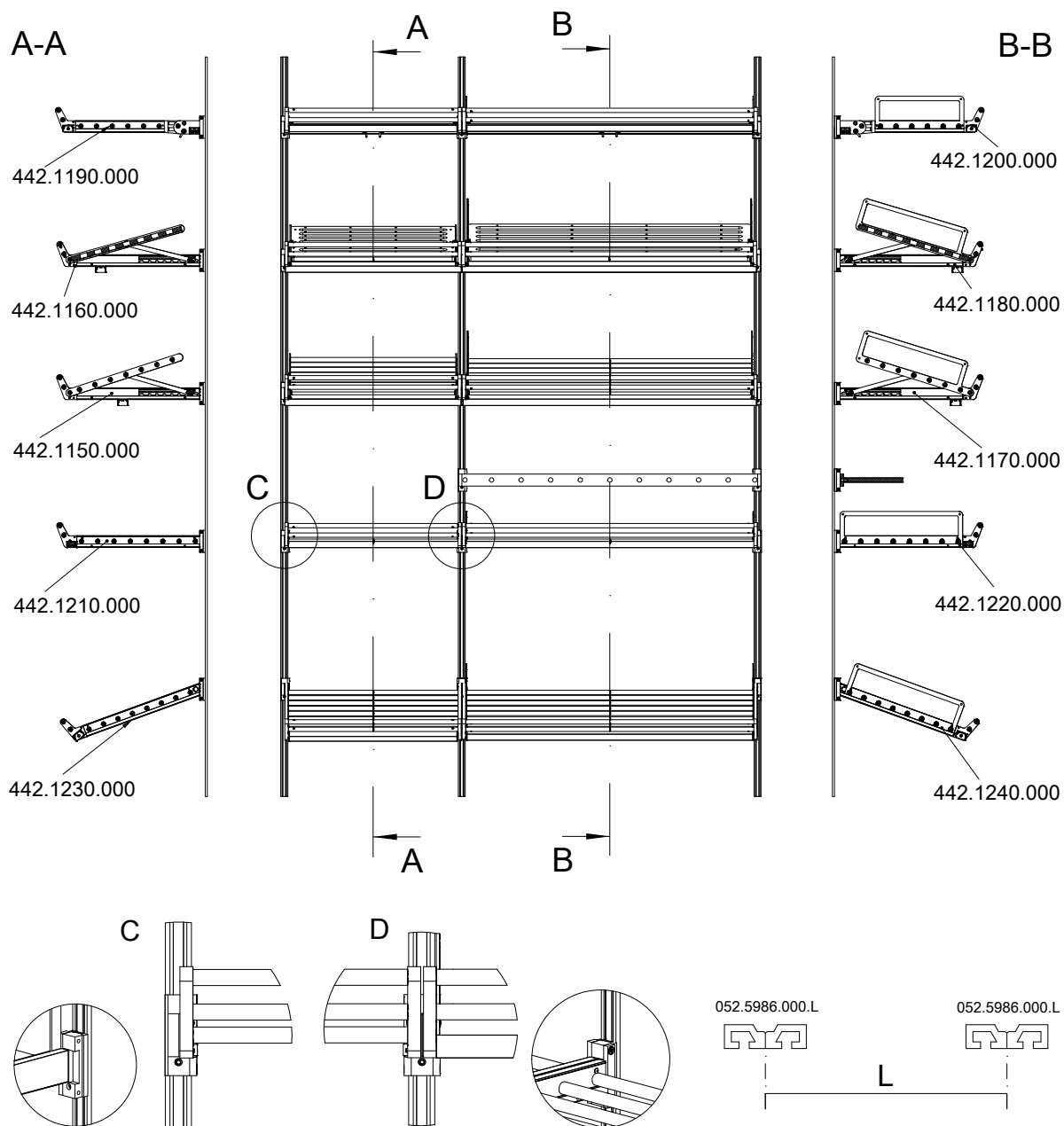
Notice: wooden panel will be mounted on the operator side



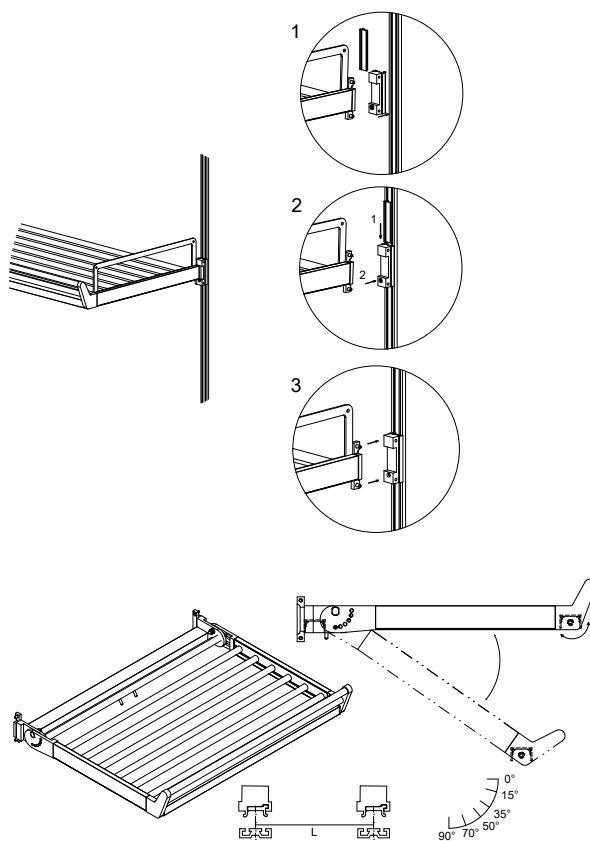


Planning information

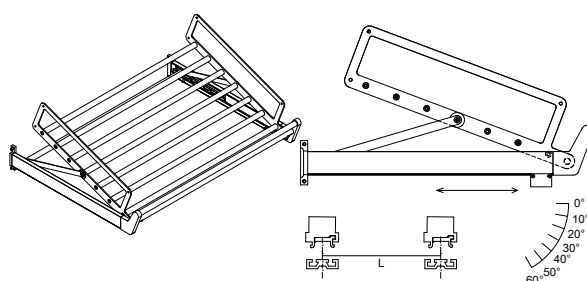
possible variants with key rail



When ordering, specify the axle dimension.

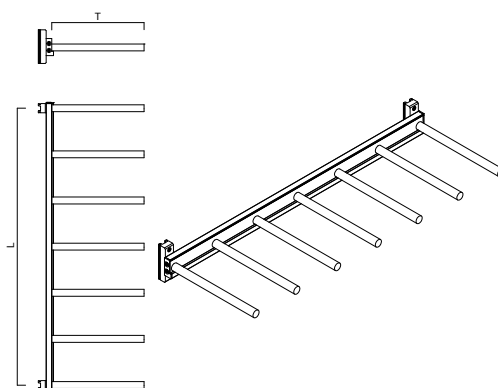


possible variants of the angle adjustment on the wall side



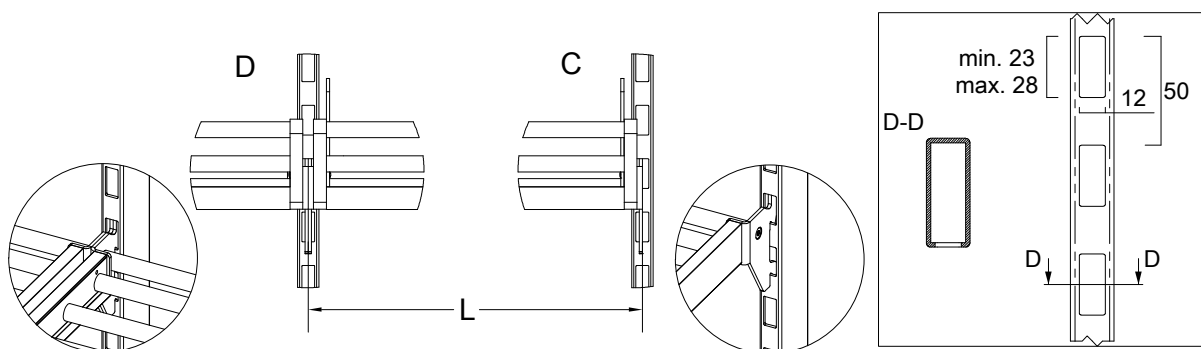
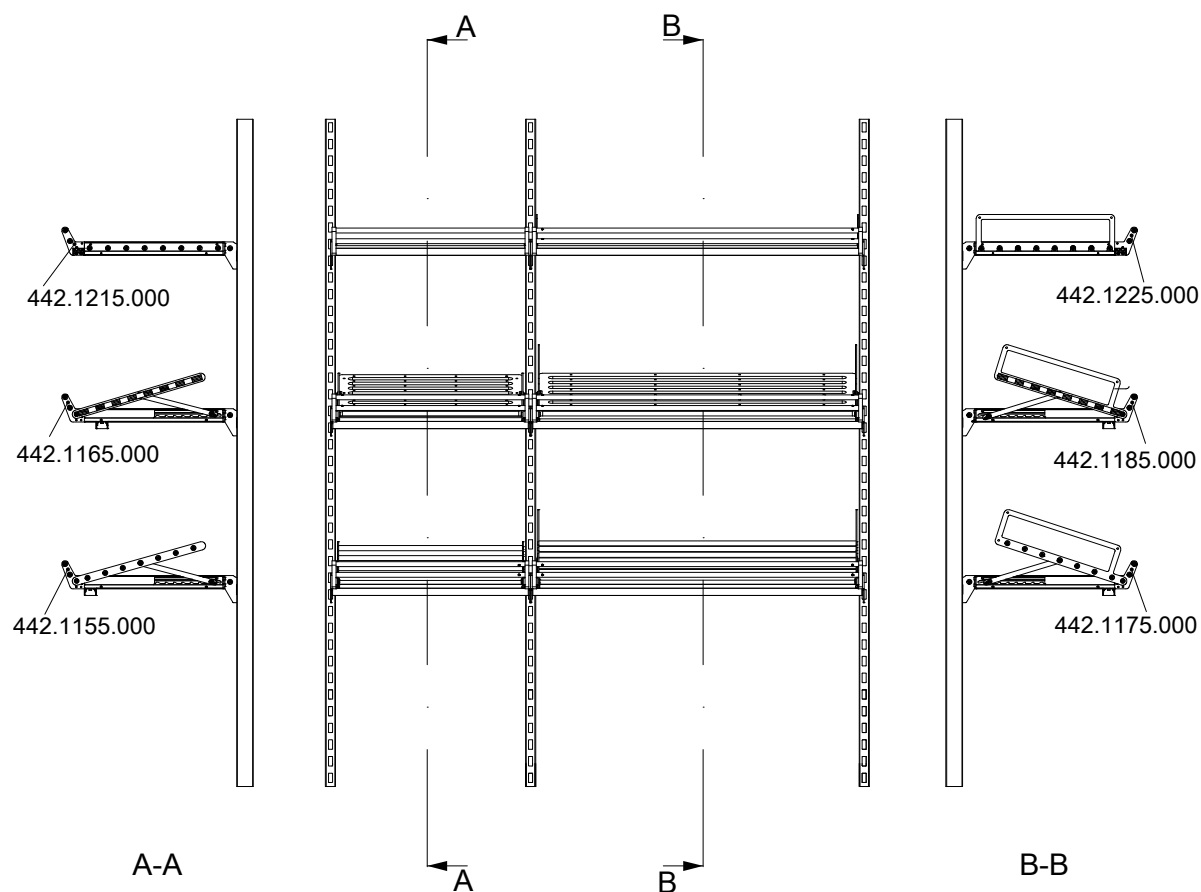
possible variants of the angle adjustment on the operator side

deep= 200-300 mm



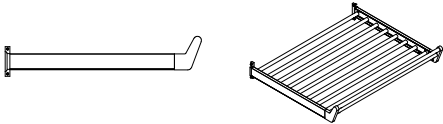
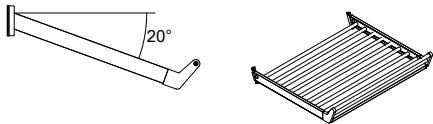
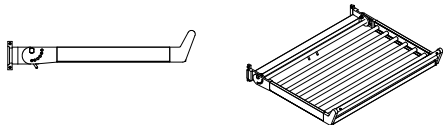
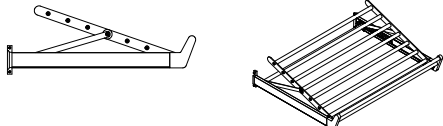
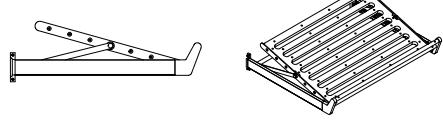
baguette holder

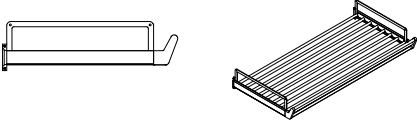
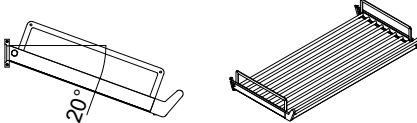
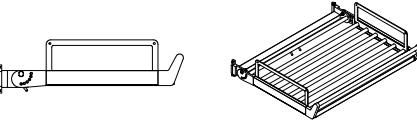
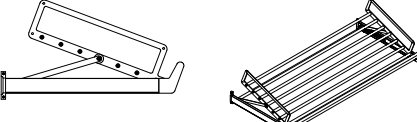
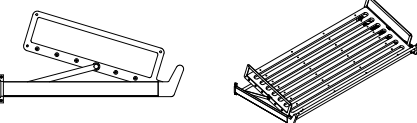
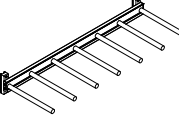
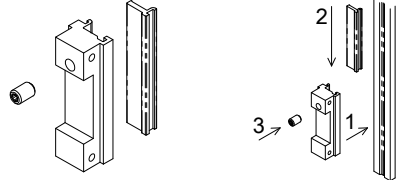
possible variants with punched rail

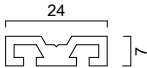
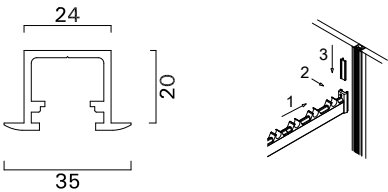
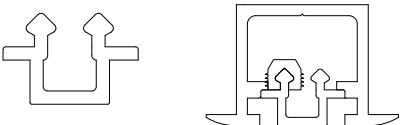
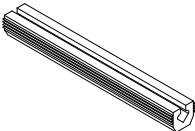
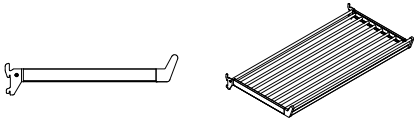
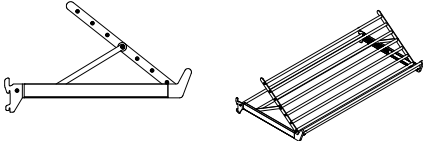
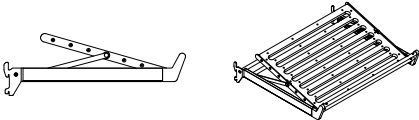


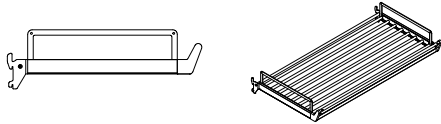
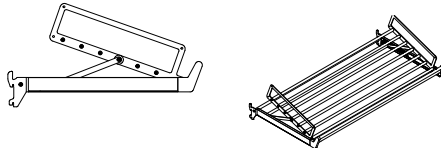
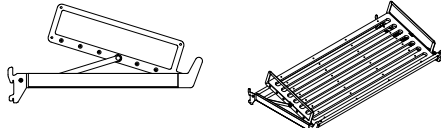
When ordering, specify the axle dimensions

Bread grating 3

Picture	Product	Part number
	Bread grating 3 for key rail axe dimension acc. to requirement	17.442.1210.XXX.1000
	Bread grating 3 for key rail 20° axe dimension acc. to requirement	17.442.1230.XXX.1000
	Bread grating 3 for key rail slope on wall side axe dimension acc. to requirement	17.442.1190.XXX.1000
	Bread grating for key rail front slope axe dimension acc. to requirement	17.442.1150.XXX.1000
	Bread grating for key rail front slope or wall side axe dimension acc. to requirement The Various with wooden plank is with/ without rail available.	17.442.1160.XXX.1000

Picture	Product	Part number
	Bread grating for key rail 0° with rail axe dimension acc. to requirement	17.442.1220.XXX.1000
	Breas grating 3 for key rail 20° with rail axe dimension acc. to requirement	17.442.1240.XXX.1000
	Bread grating 3 for key rail slope on wall side with rail axe dimension acc. to requirement	17.442.1200.XXX.1000
	Bread grating for key rail front slope with rail axe dimension acc. to requirement	17.442.1170.XXX.1000
	Bread grating for key rail for wooden plank axe dimension acc. to requirement	17.442.1180.XXX.1000
	Bread grating 3, baguette holder axe dimension acc. to requirement	will follow
	Connector for key rail	442.1146.XXX

Picture	Product	Part number
	Key rail profile	5000mm 19.052.5986.XXX
	Key rail Observe the assembly sequence: Function only in connection with cover profile 17.052.5995.XXX and Clip 17.045.1076.087	17.052.5991.XXX
	Cover profile	17.052.5995.XXX
	Clip, plastic for fixing of cover profile price tag rail abt. 4 pcs.per meter	50mm 17.045.1076.087
	Bread grating 3 for punched rail 0°	17.442.1215.XXX.1000
	Bread grating 3 for punched rail front slope	17.442.1155.XXX.1000
	Bread grating 3 for punched rail with front slope for wooden plank	17.442.1165.XXX.1000

Picture	Product	Part number
	Bread grating 3 for punched rail with railing	17.442.1225.XXX.1000
	Bread grating 3 for punched rail front slope with railing	17.442.1175.XXX.1000
	Bread grating 3 for punched rail front slope for wooden plank with railing	17.442.1185.XXX.1000

CISAPLAST MULTIDECK & COLDROOM CHILLER DOORS



Hinged Doors (Frameless)

As the sole importer of Cisaplast products in to the UK we are delighted to have a very strong partnership with Cisaplast SRL. Cisaplast has been a leading brand of international refrigeration for over 50 years.

Originally established as a producer of see through low temperature doors the need to save energy has seen a huge development and growth of the chiller doors. Whether you need hinged or sliding we have it all.

Cisaplast doors are used by many of the worlds major brands including Coca-Cola, Tesco, Morrisons, Sainsburys, Spar, Co-Op, Marks and Spencer and also by most of the large refrigeration manufacturers globally!

PLEASE CONTACT OUR OFFICE FOR MORE DETAILED INFORMATION



Sliding Doors (Frameless)



Sliding Doors

CISAPLAST MULTIDECK & COLDROOM FREEZER DOORS



Through constant innovation Cisaplast LT doors have stayed at the very pinnacle of the glass door for frozen food.

The latest energy saving doors have no heaters and yet still provide the optimum display of the products on sale.

These energy saving doors can be used on new cases or retro fitted to existing cases.

There are rapid payback times when these doors are retro fitted and many of the major supermarkets in the UK have completed this type of project.

There are many, many options available; full height, half height, colours, profiles, handles the choice is endless!

All these different options use the same energy saving properties we have developed using our highly skilled and knowledgeable technicians!



When it comes to doors for refrigeration there is no finer or more technically advanced product than those designed and built by Cisaplast.

Combining the superior construction of the profiles with the energy saving Ultrabright coating and specially engineered LED lighting producing huge savings, good for profit and good for the environment.

PLEASE CONTACT OUR OFFICE FOR MORE DETAILED INFORMATION





Curved Glass & Display Case Hardware

T 01772 457361
F 01772 436340
E sales@showmaster.co.uk

Showmaster Limited
Unit G5
Leyland Business Park
Centurion Way
Leyland
PR25 3GR



www.showmaster.co.uk
01772 457361