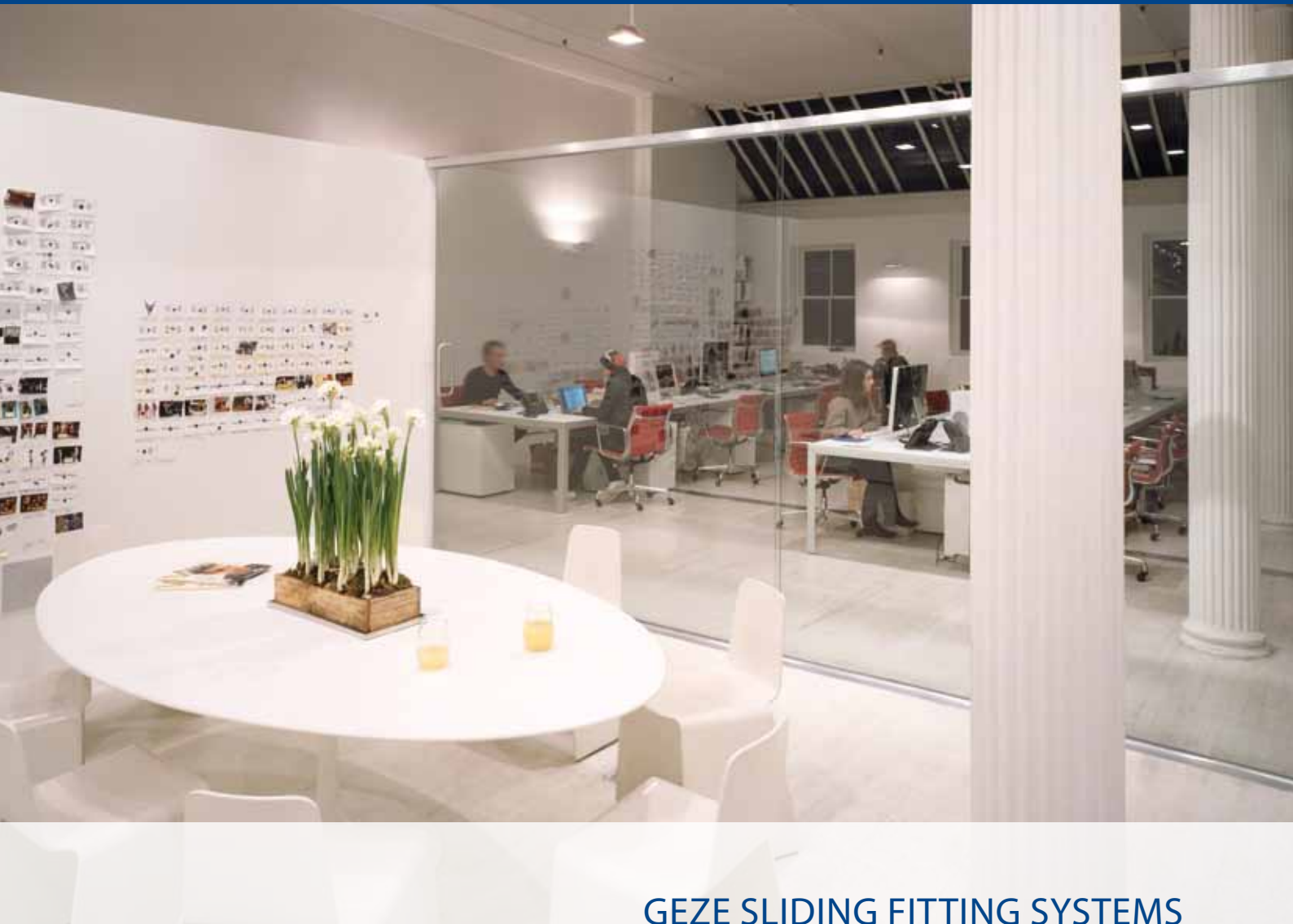




GEZE SLIDING FITTING SYSTEMS
A COMBINATION OF FUNCTIONALITY, RELIABILITY
AND APPEALING DESIGN



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studio be, Greven, Germany

INTRODUCTION



A combination of functionality, reliability and appealing design

Sliding door fittings consist of a track and the roller carriage guided within it; the roller carriage moves the leaf connected to it – made of glass, wood and/or metal – or any other elements. The roller-guided sliding door fittings of the Rollan and Perlan range are preferably used for indoor doors. Their particular advantages include their very quiet running and sophisticated design. A comprehensive range of accessories provides solutions for virtually every use. Glass solutions can be implemented, among other things, using the Levolan, Aerolan, Geolan and Vetroslide design fittings.

Sliding door fitting systems for manual wooden and metal doors

GEZE offers all kinds of different fittings solutions for functional and visually attractive sliding door systems, partitions or other moving elements with wood or metal leaves. These enable considerable design freedom and planning & design flexibility. Sophisticated technologies, high-quality materials and first-class workmanship move the roller carriages precisely, gently and quietly along the track and make the fittings system very strong and durable.

Glass solutions for manual sliding door systems

In modern architecture – for example, in office buildings, but in private housing too – conventional materials are nowadays often replaced by glass. Glass is incorporated as a design element under new prerequisites, functional and technological aspects become increasingly important and glass glass fittings are deliberately accentuated, for example, as high-quality design versions, so that the glass/fitting technology mix requires wide variety. GEZE provides diverse visually outstanding and efficient concepts for a fluid, open and transparent ambience.

Innovative space design – GEZE sliding systems for wooden, metal and glass doors

Individual and diverse application options

	Rollan 40N/80	Perlan 140	Perlan 140 KS	Levolan	Aerolan	Geolan	Vetroslide
Door weight	40 kg/80 kg	140 kg	140 kg	150 kg	105 kg	135 kg	80 kg
Door material:							
Wood	●	●	●	○	●	●	○
Plastic	●	●	●	○	○	○	○
Metal	●	●	●	○	○	○	○
Glass	●	●	●	●	●	●	●
Corrosion protection	Class 1	Class 2	Class 4	Class 2	Stainless steel	Stainless steel	Stainless steel
Type of installation:							
Wall mounting	●	●	●	●	●	●	○
Ceiling mounting	●	●	●	●	●	●	○
Glass mounting	○	○	○	○	●	○	●
Type of door:							
Single and multi-leaf	●	●	●	●	●	●	●
Synchronised	○	●	●	◐	●	○	○
Telescopic	○	●	●	○	○	○	○
Automated	○	●	●	○	○	○	○
Fixed panel	○	●	●	●	●	○	○
SoftStop	●	●	○	◐	○	●	○

● = yes ○ = no ◐ = available from mid-2010

Product information

Product information for sliding door systems

In accordance with the manufacturer's liability for their products, as defined in the "Product Liability Law" (§ 4 ProdHG), the following information about sliding door systems must be noted and observed. Non-observance releases the manufacturer from its statutory liability.

Product information and intended use

Within the context of this definition, sliding door fittings are fittings for sliding door leaves and other sliding elements (referred to in the following as "objects") which are not normally moved faster than walking pace. Sliding door fittings are used on plumb, vertically installed door leaves made of wood, plastic, glass, aluminium or steel or appropriate combinations of these materials. A floor guide is provided on the bottom horizontal edge of the door leaf. Special versions of products must be specified for use in damp rooms, for doors directly exposed to the elements or cross-winds, installed near the sea or for use in aggressive, corrosive environments. Intended use includes in particular correct installation. The fitting must have sufficient strength at all these points. The installation must not have any negative effects on or alter the function of the fitting. Buffers (door stops) must be used to limit the displacement path.

Misuse

Misuse, i.e. abnormal use or use not as intended, of sliding door fittings exists in particular if:

- The fittings are used with a higher load than the maximum capacity given in the catalogue and other product documents,
- Fittings are incorrectly installed or are inadequately fastened,
- Ambient temperatures are too high or too low,
- Particularly aggressive media can affect the fittings,
- Fittings are subject to inordinately large impact and falling loads and stresses,
- The position of the track excessively deviates from the horizontal,
- Foreign bodies can penetrate the track,
- The track rollers are operated too fast,
- Alternations are made which have not been agreed with the manufacturer,
- Obstructions are placed in the opening area or between the leaves or the object and therefore prevent intended use,
- Additional loads act on door leaves or objects,
- Reaching between the door leaves and door frame while sliding shut or closing the door or a person or parts of the body are in this area while the door is being closed.

Product performance

If the product performance is not explicitly specified in our catalogues, brochures, specifications and other product instructions, the requirements for our fittings must be agreed with us. Our regulations concerning fitting configurations are binding.

Product maintenance

Safety-relevant fittings must be regularly checked for secure fit and for wear. Re-tighten or replace fixing screws depending on the requirements. In addition, the following maintenance work must be carried out at least once a year:

- Check the function of all moving parts,
- Only use cleaning agents which do not have any negative effect on the fittings' corrosion protection,
- Defective fittings are to be replaced,
- Fitting adjustment work and replacements must be carried out by suitably qualified personnel/firm.

Duty to inform and instruct

The following material is available to the designer, specialist trade, installation firms and personnel and the user as fulfilment of the duty to inform and instruct:

- Catalogues, brochures
- Tender specification texts, tender documents
- Door stop, opening direction and installation instructions, installation drawings

To ensure correct use, proper function and maintenance of the fittings

- Architects and designers are required to request, note and follow the necessary product information,
- Specialist trade outlets are required to note and follow the product information and notes in the price lists and in particular to request all necessary instructions and to pass them on to the installation firms and personnel,
- Installation firms and personnel are required to note and follow all product information and to pass it on to their client and the user.

Perlán AUT fundamental safety aspects

Fundamental danger

Dangerous electric voltages: The Perlán AUT is operated with dangerous electrical voltage. Authorised persons only, using the tools intended for this purpose, may carry out installation, dismantling and connection work on control switches and drives. Before starting any work, the power supply must be switched off and secured against being switched on again without authorisation.

Power connections

The Perlán AUT may only be connected in accordance with the data given in the technical data sheets.
All power connections must be able to be switched off on site.

Safety precautions

- Location of the installation instructions: The installation instructions must be kept in a safe place by the person/company responsible for installation or by maintenance personnel. They are responsible for correct installation and maintenance of the system.
- Removal of safety devices: Do not remove or disable any of the safety devices. An exception exists in the case of the authorised service personnel. Following a service, normal operation may not be resumed until all safety devices have been attached and checked.

Spare parts to be used

Original GEZE spare parts only may be used for maintenance and repair purposes.

Classification to EN 1527:1998

Category of use (1st number)

No category of use defined.

Duration of operability (2nd number)

- Class 1 = 2,500 cycles
- Class 2 = 5,000 cycles
- Class 3 = 10,000 cycles
- Class 4 = 25,000 cycles
- Class 5 = 50,000 cycles
- Class 6 = 100,000 cycles

Door weight (3rd number)

- Class 1 = Door weight up to 50 kg
- Class 2 = Door weight from 51 kg to 100 kg
- Class 3 = Door weight from 101 kg to 330 kg
- Class 4 = Door weight more than 330 kg

Fire resistance (4th number)

- Class 0 = Not suitable for use on fire-proof doors
- Class 1 = Suitable for use on fire-proof doors

Safety (5th number)

No requirement for these products.

Corrosion behaviour (6th number)

The products are divided into classes 1 - 4 according to the 5 classes specified in EN 1670. Class 0 is reserved for untested products.

Protection (7th number)

No class defined for protection.

Type of door (8th number)

- Class 1 = sliding door
- Class 2 = folding door (2-leaf)
- Class 3 = multi-leaf folding door

Initial friction (9th number)

There are three classes:

Door weight	up to 50 kg	51-100 kg	101-330 kg	> 330 kg
Class 1	50 N	80 N	100 N	5 % of door weight
Class 2	40 N	60 N	5 % of door weight	4 % of door weight
Class 3	30 N	40 N	4 % of door weight	3 % of door weight

GEZE Rollan 40N / Rollan 80

The quiet roller-guided sliding door system for simple sliding concepts

The quiet roller-guided sliding door system enables uncomplicated integration of sliding door concepts in interiors. The ceiling and wall mounting supports diverse uses, e.g. in interconnecting doors, room dividers, cloakrooms and wardrobes.

PRODUCT FEATURES

- Small space requirement due to 29 mm construction height enables easy installation even in confined spaces
- Flat contact surface reduces noise on opening and closing
- Uniform track for Rollan 40N and 80 – regardless of door leaf material – enables easy adjustment to changing use circumstances
- Classic design without obtrusive edges, which can also be used without a cover
- Tested to EN 1527:1998
- Door leaf weight up to 40 kg (Rollan 40N)
Door leaf weight up to 80 kg (Rollan 80)
- Durability, even after 50,000 cycles
Sliding force < 20 N (Rollan 40N) or < 25 N (Rollan 80)
Sustained smooth running with little effort
- The closed aluminium track protects against penetrating dust and dirt
- Simple, direct ceiling mounting or mounting on ceiling and wall using angle bracket
- Simple adjustment of the distance between door leaves and track / readjustment also possible when installed

APPLICATION RANGE

- For wooden, plastic and metal door leaves up to 40 kg or 80 kg leaf weight respectively, a clamping plate is available for glass door leaves
- For all single and multi-leaf sliding doors
- Thanks to quiet running is especially suitable for doors in homes and offices

STANDARD VERSION/SCOPE OF DELIVERY

Track with attachment bracket
2 roller carriages with suspension bolts,
2 carrier plates, 1 floor guide and 2 tubular buffers
(additional hold-open spring for Rollan 80)

SPECIAL VERSION

Alternatively, the track (6 m long or made to measure) and the accessories can be ordered separately.

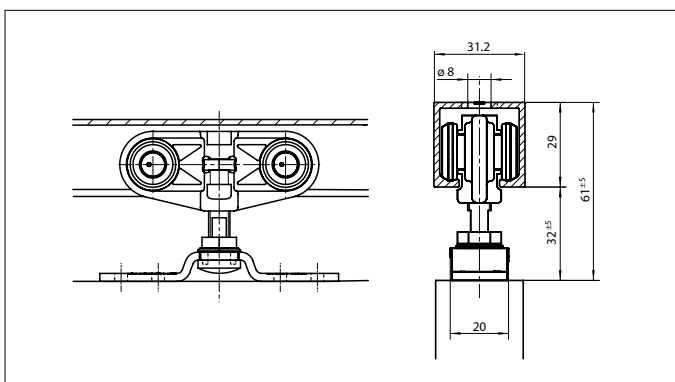


Fig. 08-1

Classification to EN 1527:1998 (see page 7)

Rollan 40N								
-	5	1	0	-	1	-	1	3

Rollan 80								
-	5	2	0	-	1	-	1	3

GEZE ROLLAN – MOUNTING VARIATIONS

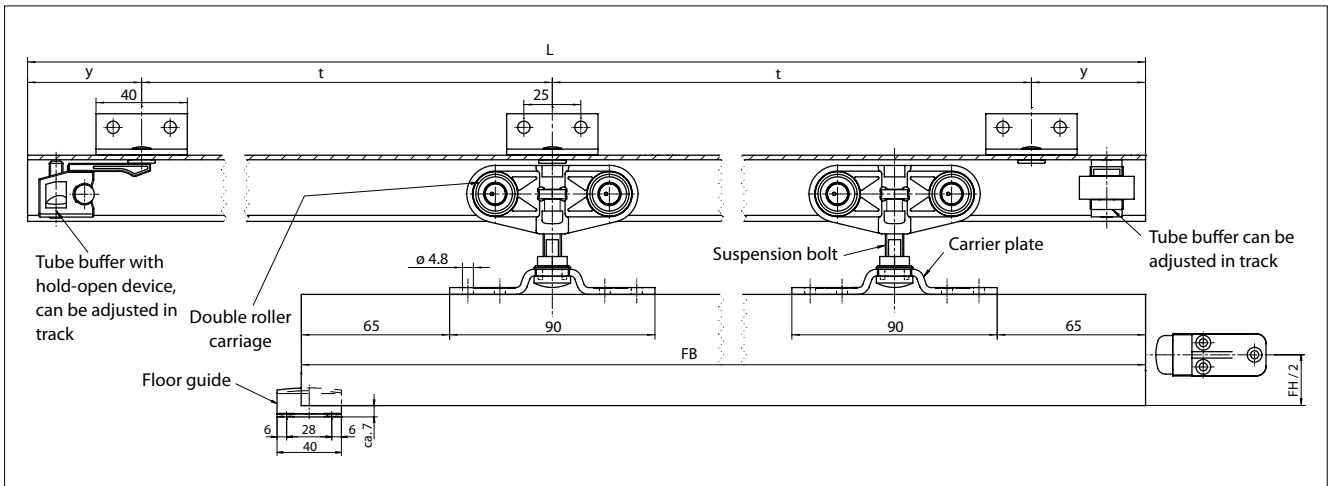


Fig. 09-1

STANDARD MOUNTING

Mounting of the GEZE Rollan 40N/80 on a single leaf sliding door with wooden leaf and carrier plate is shown in Fig. 09-1.

The fitting can be fixed directly onto the ceiling or onto the wall or ceiling using an angle bracket or plate, see Fig. 09-2

INSTALLATION DRAWING

Drawing No. 10417-ep03

NOTE:

Removable panels must be installed at wall recesses to make them accessible.
In addition to the tubular buffer, the door leaf must be stopped by an angle buffer.
Attach buffer half-way up the door!

KEY

- LW = Leaf width (mm)
- L = Track length (mm)
- t = Hole clearance (mm)
- x = Number of wall or ceiling attachment brackets
- y = Clearance (mm) from end of track to centre of drillhole for the angle bracket
- BL = Bearing length (mm)
- LH = Leaf height (mm)
- CH = Construction height (mm)
- OH = Overall height (mm)

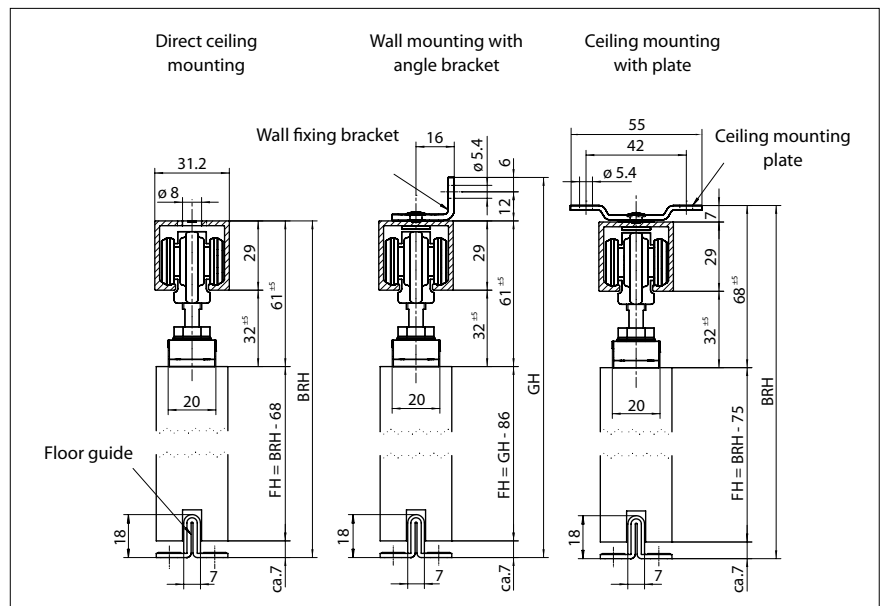


Fig. 09-2

Standard dimensions (mm)

LW	L	t	x	y
510 - 700	1150	350	4	50
710 - 900	1650	450	4	150
810 - 1000	1800	400	5	100
910 - 1100	1900	450	5	50
1110 - 1300	2350	450	6	50
1310 - 1500	2800	450	7	50
1510 - 1700	3250	450	8	50
LL	6100	350	18	50

GEZE glass connection patch

The new GEZE glass clamping plate provides increased installation convenience without the need for time-consuming or expensive glass work.

PRODUCT FEATURES

- The clamping plates can be concealed individually, or a continuous cover can be used to conceal both plates. Complete covering of the carrier plates gives the impression of a continuous clamping plate, which is also available in all RAL colours.

The gap between the clamping plate and track is hardly visible and there is no need for a cover to be provided on site.

- Can be used for all standard glass thicknesses. The internal interlocking enables the clamping plate to be adjusted to the respective glass thickness. This makes installation and removal considerably easier.

APPLICATION AREAS

- For all GEZE sliding door systems
- For 8 mm, 10 mm and 12 mm toughened safety glass
- For a load-bearing capacity up to 140 kg maximum



GEZE GLASS CLAMPING PLATE – ORDER INFORMATION

Description	ID No.
Glass clamping plate set, 2 pcs: without covers, Raw aluminium surface (standard)	125586
with individual screens (EV1) and end face covers	125585
with individual screens (RAL) and end face covers	126216
With continuous cover over both plates in EV1 or RAL and end face covers	125588
Accessories can also be supplied separately:	
End face covers black plastic	125582
End face covers RAL plastic	127498
Cover profile length 6 m	126107
Cover profile, cut to size, EV1	127628
Cover profile, cut to size, RAL	126108

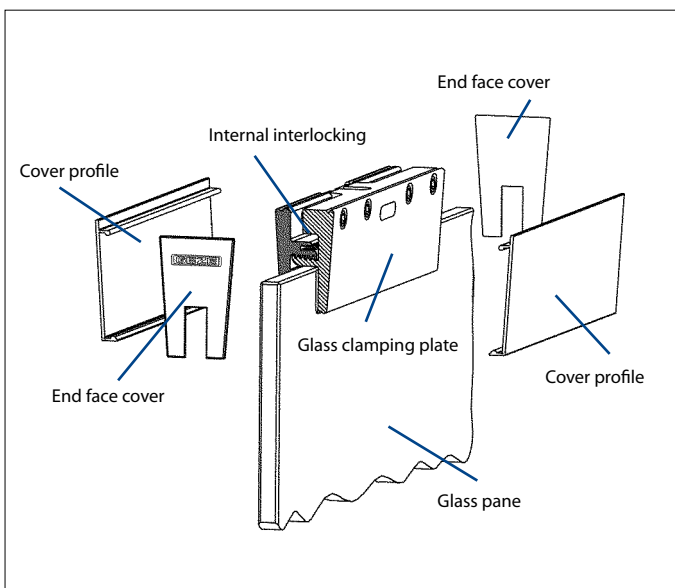


Fig. 10-1

Sliding door systems



Fig. 11-2

Fig. 11-3

GEZE SoftStop

With the SoftStop draw-in damping mechanism, GEZE sliding door systems combine convenience and safety for sliding doors in a perfect way. Uncontrolled stopping at the frame or the buffer is now a thing of the past. The door is braked gently and returns to the zero position of its own accord. The gentle draw-in to the end position is easy on the door and the fitting and increases their lifetimes.

PRODUCT FEATURES

ROLLAN 40N SOFTSTOP

- For door leaf weights up to 40 kg max.
- No visible parts
- Material is protected
- Entrapment protection, as the door movement is braked over the final centimetres
- The door is gently braked and automatically moves to its resting point
- Available for doors from 545–1700 mm as standard feature
- Completely concealed in the track, overall height only 29 mm



APPLICATION AREAS

- For wooden, plastic, metal and glass doors
- For single or multi-leaf sliding doors
- Particularly suitable for offices and living areas



SET VERSION/SCOPE OF DELIVERY

SoftStop roller carriage, damping on one side or both sides, 1 or 2 SoftStop carrier hooks incl. fixing screw (with damping on one or two sides depending on version), 2 x track buffers, 2 x suspension bolts, 2 x standard carrier plates

The standard Rollan track can be used for the Rollan Softstop.



GEZE GLASS SOFTSTOP – ORDER INFORMATION

Description			ID No.
Rollan SoftStop set	short version	damping on one side	129899
	medium-sized version	damping on one side	129900
	long version	damping on one side	129901
	medium-sized version	damping on both sides	129902
	long version	damping on both sides	129903

GEZE ROLLAN 40N WITH SOFTSTOP DRAW-IN DAMPING MECHANISM



Fig. 13-1

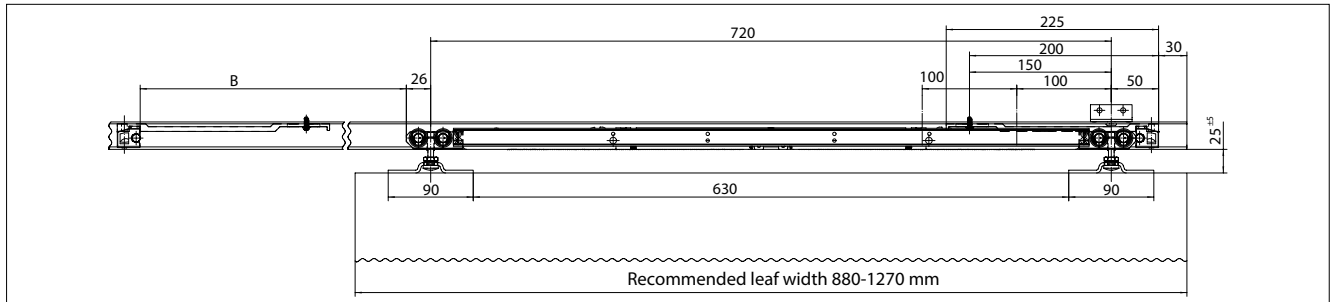


Fig. 13-2

SoftStop draw-in damping mechanism

e.g. with glass leaf, long design (2-sides), damping in both directions, see Fig. 13-1

e.g. with wooden leaf, medium-sized design (2-sides), damping in both directions, see Fig. 13-2

Ceiling or wall mounting, see Fig. 13-3

e.g. with wooden leaf, recessed carrier plate, short design (1-side), damping in both directions, see Fig. 13-4

e.g. with glass leaf, (glass with edge cut-outs), short design (1-side), damping in one direction, see Fig. 13-5

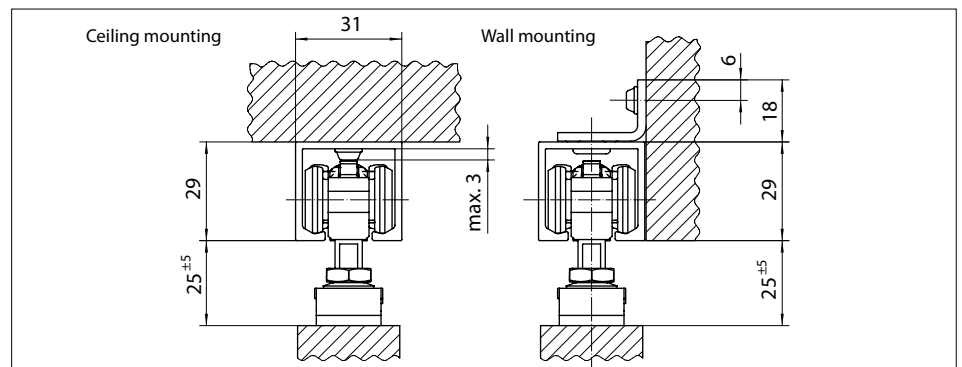


Fig. 13-3

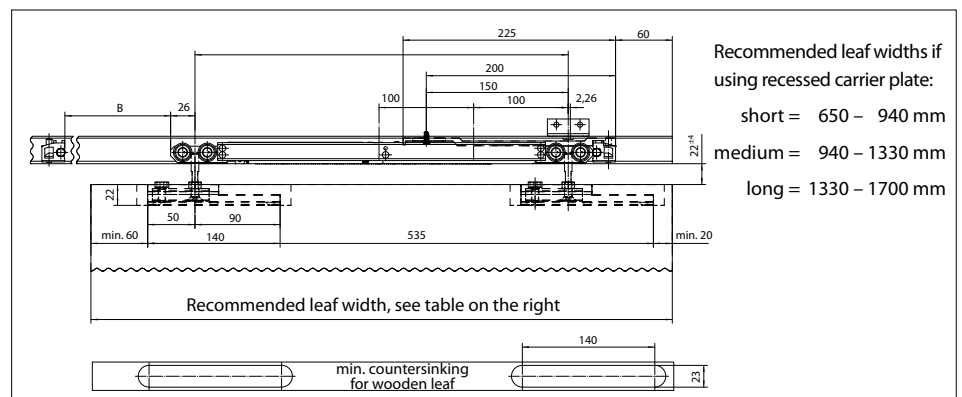


Fig. 13-4

Recommended leaf widths if using recessed carrier plate:
short = 650 – 940 mm
medium = 940 – 1330 mm
long = 1330 – 1700 mm

INSTALLATION DRAWING

Drawing No. 10417-EP-06

KEY

B = Displacement path
– length of floor guide
(Recommendation = 30)

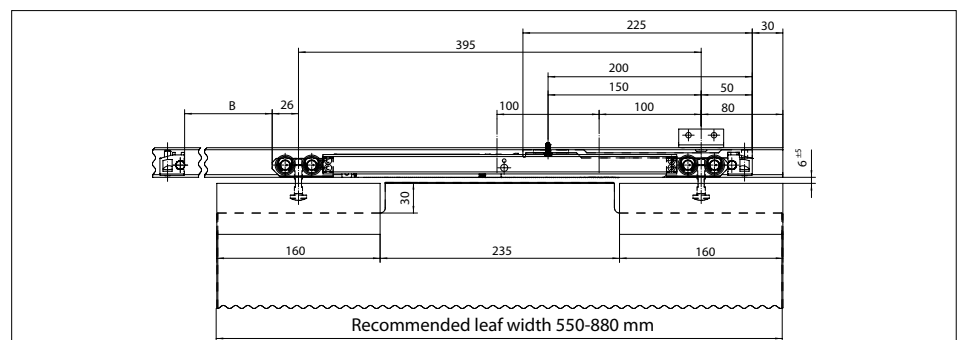


Fig. 13-5

GEZE ROLLAN – ORDER INFORMATION

Description	Leaf width	ID No.
Complete set: GEZE Rollan 40N sliding door fitting complete with accessories (incl. wall fixing bracket)	51-70 cm	120162
	71-90 cm	120163
	81-100 cm	120164
	91-110 cm	120165
	111-130 cm	120166
	131-150 cm	120167
	151-170 cm	120168
Complete set: GEZE Rollan 80 sliding door fitting complete with accessories (incl. wall fixing bracket)	51-70 cm	120169
	71-90 cm	120170
	81-100 cm	120171
	91-110 cm	120172
	111-130 cm	120173
	131-150 cm	120174
	151-170 cm	120175
Individual parts:		
Rollan 40N/80 track (length up to 6 m)		120150
Track cut to size		120151
Wall fixing bracket		069990
Ceiling fixing bracket		069991
GEZE Rollan 40N accessory set without wall fixing bracket	51-150 cm	120306
GEZE Rollan 40N accessory set without wall fixing bracket	51-110 cm	120307
	111-150 cm	120308
GEZE Rollan 80 accessory set without wall fixing bracket	51-150 cm	120176
GEZE Rollan 80 accessory set with wall fixing bracket	51-110 cm	120177
	111-150 cm	120178
GEZE glass connection patch		see page 10
GEZE SoftStop draw-in damping mechanism		see page 12
GEZE GGS all-glass systems		see page 38
Adjustable glass floor guide		120417
Tube buffer with hold-open device		120161
Angle buffer		000339
Adjustable hold-open device		069272



Adjustable hold-open device and individual adjustment to the weight of the leaf

GEZE Perlan 140

Multi-faceted uses with individual accessories

The discrete design supports every required spatial effect and makes the sliding door system with its diverse accessories a guarantor for elegant and individual solutions. Even heavy doors can be extremely easily opened.

PRODUCT FEATURES

- Construction height 40 mm
- Tested to EN 1527:1998
- High load-carrying capacity, even after 100,000 operating cycles sliding force < 20 N
- Corrosion resistance class 2 to EN 1670
- Permanently quiet running due to 2 precision ball bearings per roller carriage, track design, rubber bearings for door suspension plate and large dimension rollers
- Internal, sealed ball bearing
- Track made of anodised light metal alloy reduces abrasion
- No obtrusive, visible edges on the profile
- All accessory parts run in the rail to maintain aesthetic appearance
- Optimum load distribution by means of triple pendulum suspension
- Simple, direct ceiling mounting or mounting on ceiling and wall using angle bracket
- Distance between the leaf and the wall can be adjusted, therefore precise adjustment to an individual situation, e.g. precise mounting of the door even if the masonry is uneven
- High-quality materials and workmanship enable permanent use on highly frequented living and work areas

APPLICATION AREAS

- For wooden, plastic and metal leaves with up to 140 kg door weight; a clamping plate is available for glass leaves
- For all single, multi-leaf and synchronous sliding doors
- Thanks to quiet running is especially suitable for doors in homes and offices

STANDARD VERSION/SCOPE OF DELIVERY:

Track for direct ceiling mounting, optionally with angle bracket for wall mounting, 2 roller carriages with suspension bolts, 2 carrier plates, 1 floor guide, 2 tubular buffers with 1 hold-open spring

SPECIAL VERSION

Alternatively, the track (standard lengths up to 6 m or made to measure) and the accessories can be ordered separately. A curved track is also available on request.

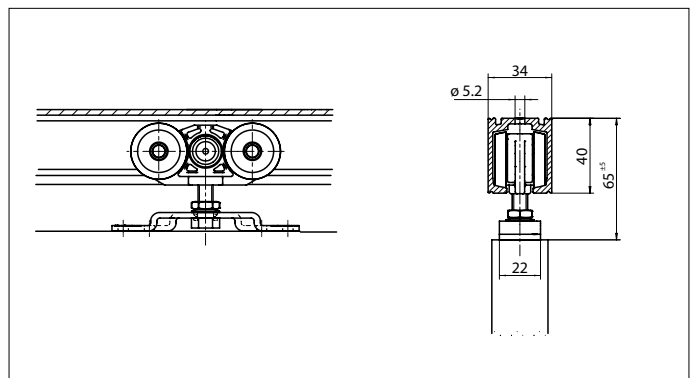


Fig. 15-1

Classification to EN 1527:1998 (see page 7)

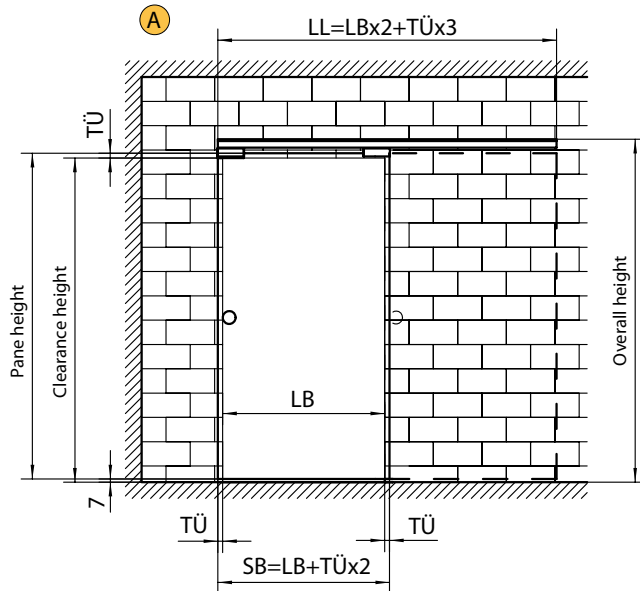
Perlan 140								
-	6	3	0	-	2	-	1	3

Perlan KS								
-	6	3	0	-	4	-	1	3

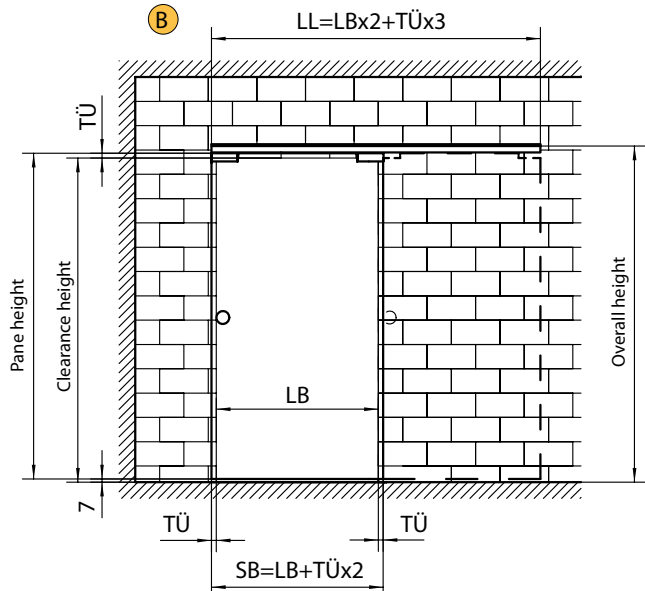
GEZE PERLAN 140 – PLANNING DRAWINGS

Drawing No. 10421-PL-01 and 10421-PL-03 (vertical sections)

Perlan 140 with glass clamping plate
with recessed handle
individually covered
without glass cut-outs



Perlan 140 with glass clamping plate
with recessed handle
individually covered
with glass cut-outs



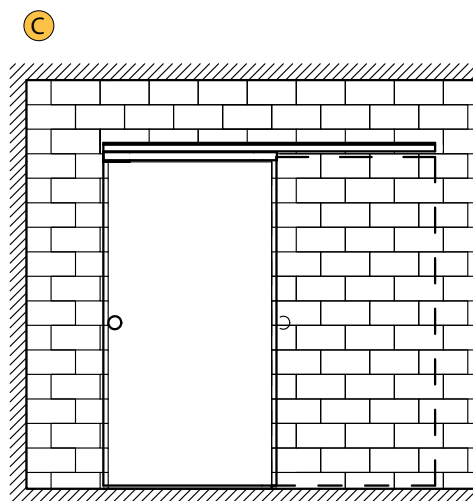
KEY

- LL = Track length
- LB = Clear width
- DP = Door projection (recommendation: 30 mm)
- SB = Pane width

Note:

The position of the glass clamping plate changes if the SoftStop is used, see planning drawing Drawing No. 10421-PL-12

Perlan 140 with glass clamping plate
with recessed handle
individually covered
with glass cut-outs

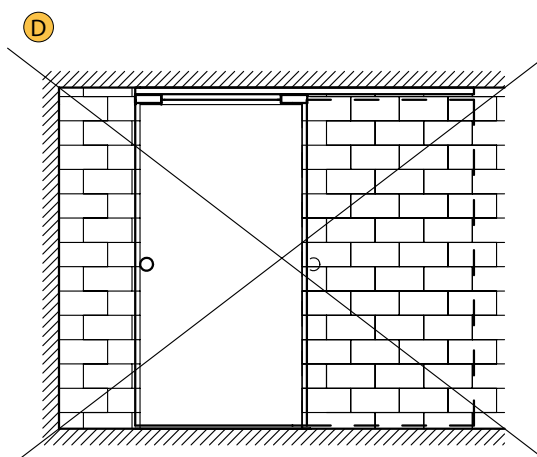


Dimensioning as for **A**

GEZE PERLAN 140 – PLANNING DRAWINGS

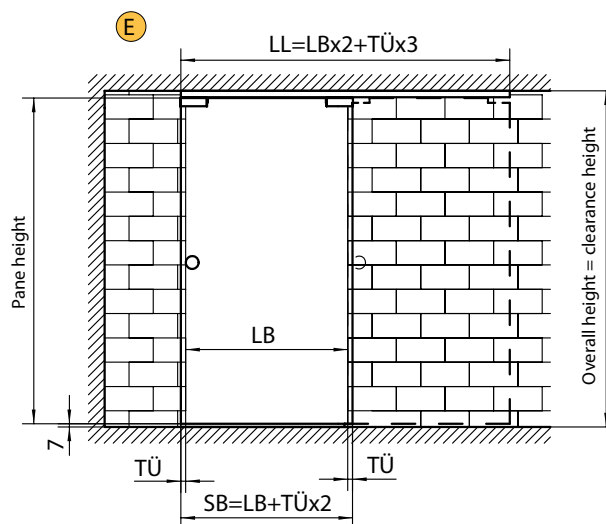
Drawing No. 10421-PL-01 and 10421-PL-03 (vertical sections)

Perlan 140 with glass clamping plate
with recessed handle
individually covered
without glass cut-outs
with ceiling connection
(not recommended due to gap in glass)



Dimensioning as for **F**

Perlan 140 with glass clamping plate
with recessed handle
individually covered
with glass cut-outs
with ceiling connection



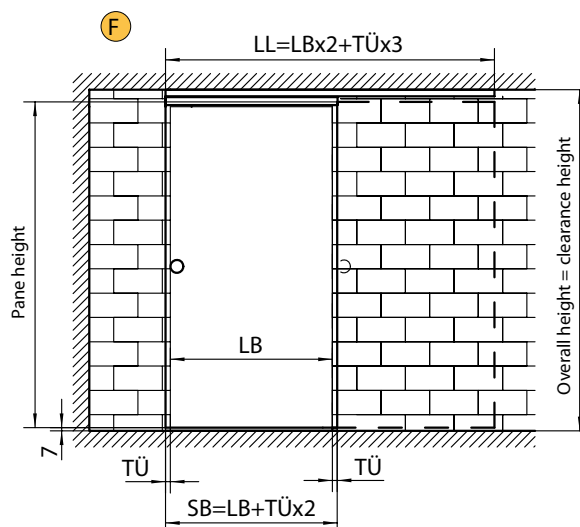
KEY

- LL = Track length
- LB = Clear width
- DP = Door projection (recommendation: 30 mm)
- SB = Pane width

Note:

The position of the glass clamping plate changes
if the SoftStop is used, see planning drawing
Drawing No. 10421-PL-12

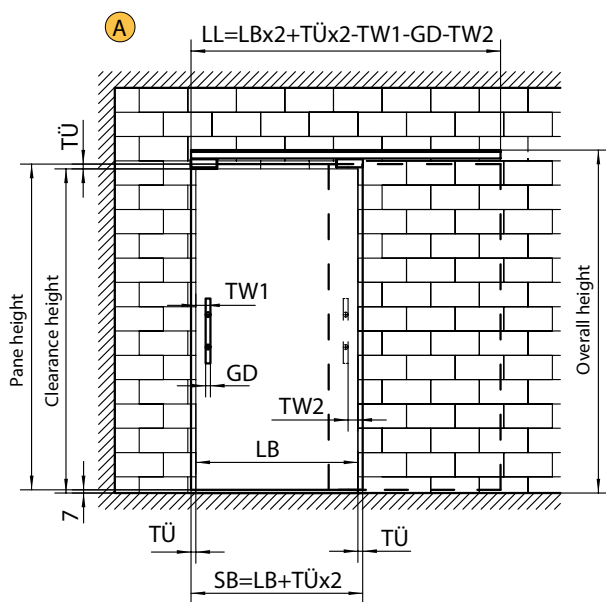
Perlan 140 with glass clamping plate
with recessed handle
continuously covered
without glass cut-outs
with ceiling connection



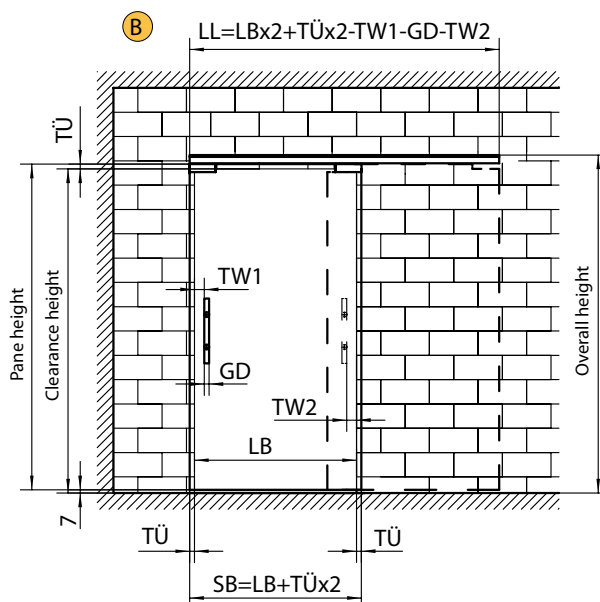
GEZE PERLAN 140 – PLANNING DRAWINGS

Drawing No. 10421-PL-02 and 10421-PL-03 (vertical sections)

Perlan 140 with glass clamping plate
with push-bar
individually covered
without glass cut-outs



Perlan 140 with glass clamping plate
with push-bar
individually covered
with glass cut-outs

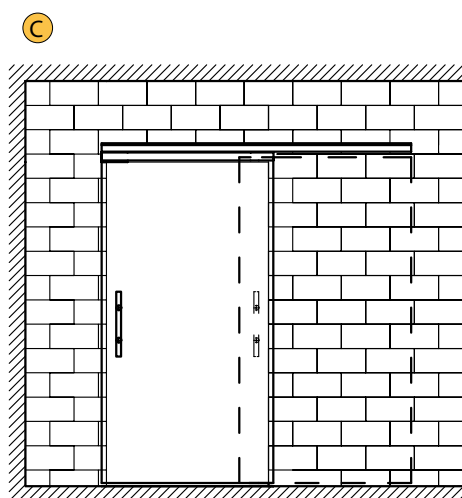
**KEY**

- LL = Track length
- LB = Clear width
- DP = Door projection (recommendation: 30 mm)
- SB = Pane width
- DW1 = Door handle – wall spacing (door closed)
- DW2 = Door handle – wall spacing (door open)
- PD = Push-bar diameter

Note:

The position of the glass clamping plate changes
if the SoftStop is used, see planning drawing
Drawing No. 10421-PL-13

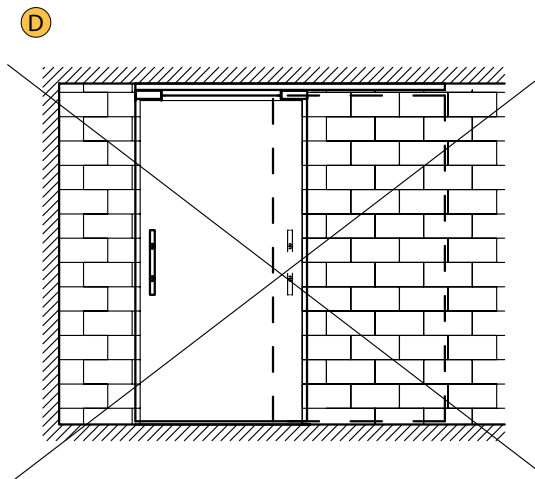
Perlan 140 with glass clamping plate
with push-bar
individually covered
with glass cut-outs

Dimensioning as for **A**

GEZE PERLAN 140 – PLANNING DRAWINGS

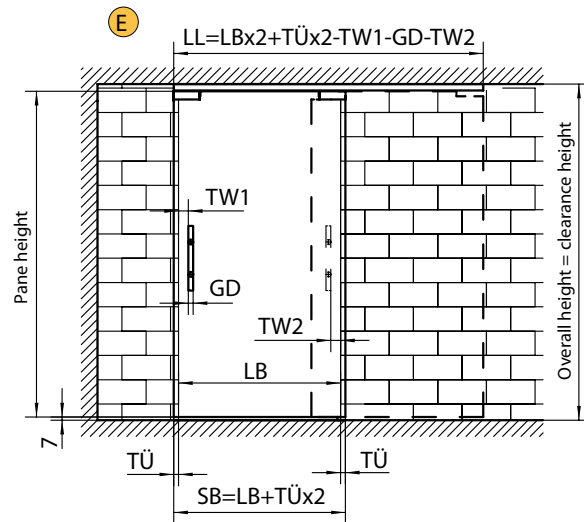
Drawing No. 10421-PL-01 and 10421-PL-03 (vertical sections)

**Perlan 140 with glass clamping plate
with push-bar
individually covered
without glass cut-outs
with ceiling connection
(not recommended due to gap in glass)**



Dimensioning as for **F**

**Perlan 140 with glass clamping plate
with push-bar
individually covered
with glass cut-outs
with ceiling connection**



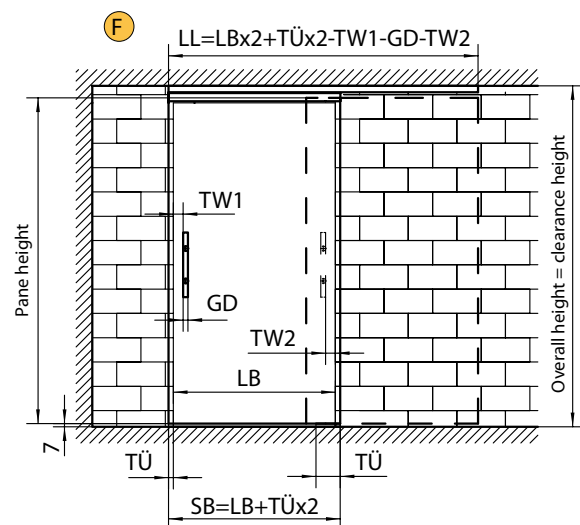
KEY

- LL = Track length
- LB = Clear width
- DP = Door projection (recommendation: 30 mm)
- SB = Pane width
- DW1 = Door handle – wall spacing (door closed)
- DW2 = Door handle – wall spacing (door open)
- PD = Push-bar diameter

Note:

The position of the glass clamping plate changes if the SoftStop is used, see planning drawing Drawing No. 10421-PL-13

**Perlan 140 with glass clamping plate
with push-bar
continuously covered
without glass cut-outs
with ceiling connection**



GEZE PERLAN 140 – MOUNTING VARIATIONS

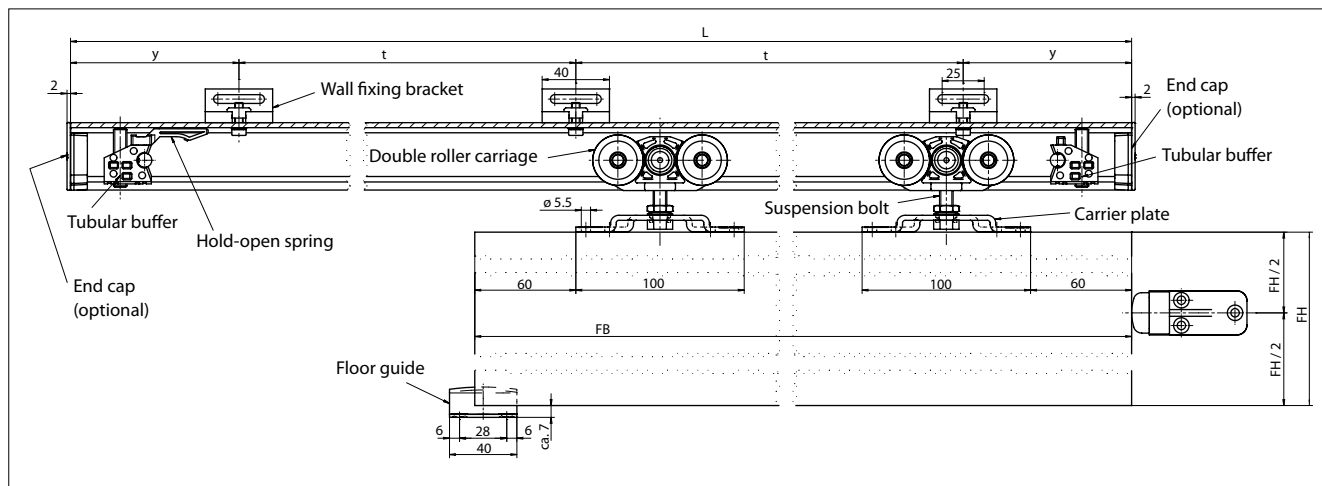


Fig. 20-1

STANDARD MOUNTING

Mounting of the GEZE Perlan 140 on a single leaf sliding door with wooden leaf and carrier plate (manual) is shown in Fig. 20-1.

The fitting can be fixed directly onto the ceiling or onto the wall or ceiling using an angle bracket or plate, see Fig. 20-2

INSTALLATION DRAWING

Drawing No. 10421-ep05

NOTE:

Removable panels must be installed at wall recesses to make them accessible.
In addition to the tubular buffer, the door leaf must be stopped by an angle buffer.
Attach buffer half-way up the door!

KEY

- LW = Leaf width (mm)
- L = Track length (mm)
- t = Hole clearance (mm)
- x = Number of wall or ceiling attachment brackets
- y = Clearance (mm) from end of track to centre of drillhole for the angle bracket
- BL = Bearing length (mm)
- LH = Leaf height (mm)
- CH = Construction height (mm)
- OH = Overall height (mm)

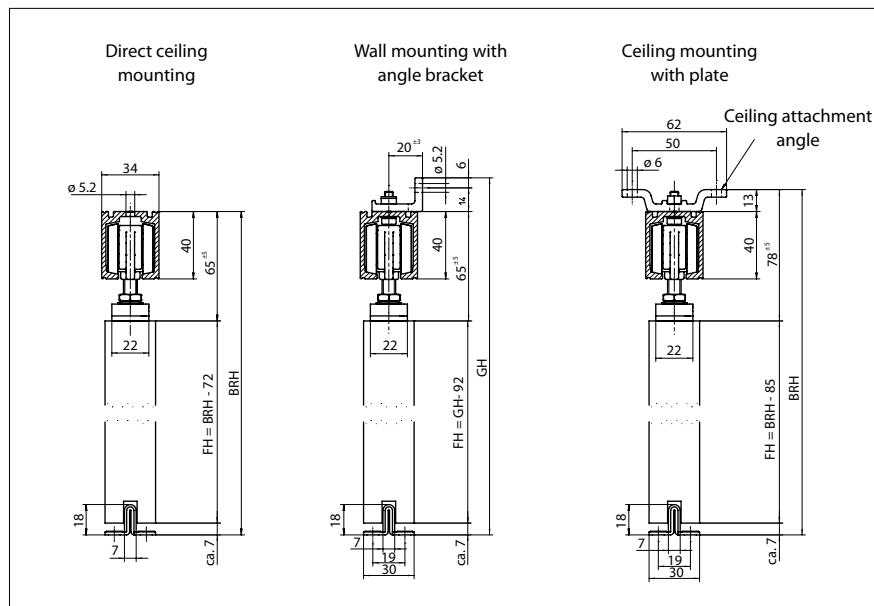


Fig. 20-2

Standard dimensions (mm)

LW	L	t	x	y
510 - 700	1250	350	4	100
710 - 900	1650	350	5	125
910 - 1100	2050	350	6	150
1110 - 1300	2450	350	7	175
1310 - 1500	2850	350	9	25
1510 - 1700	3250	350	10	50
LL	6000	350	18	25

GEZE PERLAN 140 – MOUNTING VARIATIONS

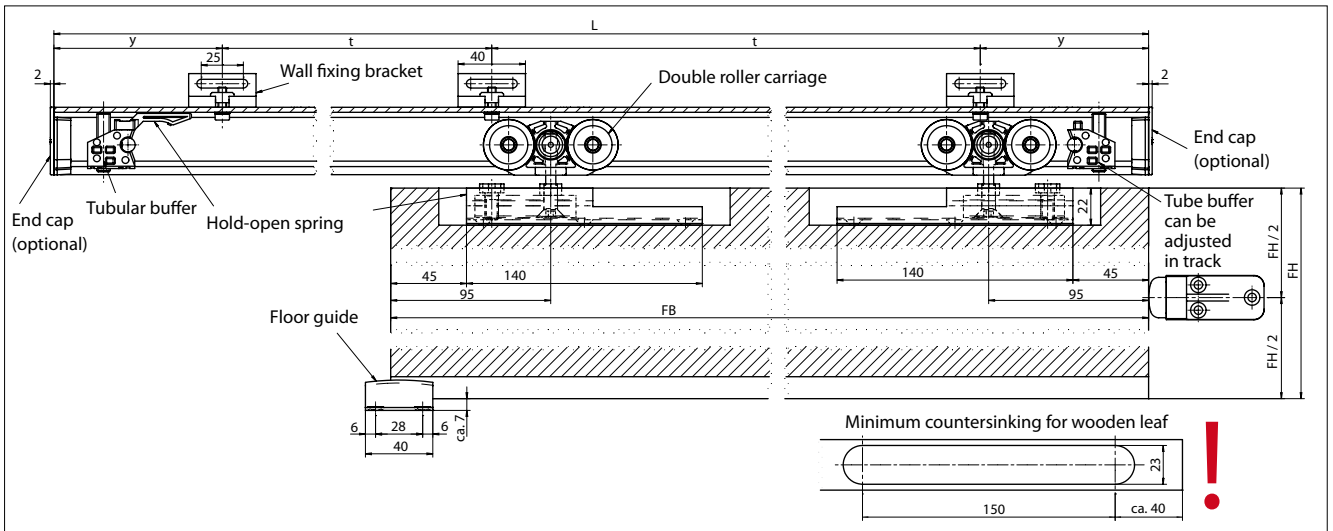


Fig. 21-1

MOUNTING WITH CONCEALED CARRIER PLATE

Mounting of the GEZE Perlan 140 on a single leaf sliding door with wooden leaf and concealed carrier plate is shown in Fig. 21-1.

The fitting can be fixed directly onto the ceiling or onto the wall or ceiling using an angle bracket or plate, see Fig. 21-2

INSTALLATION DRAWING

Drawing No. 10421-ep06

NOTE:

Removable panels must be installed at wall recesses to make them accessible.
In addition to the tubular buffer, the door leaf must be stopped by an angle buffer.
Attach buffer half-way up the door!

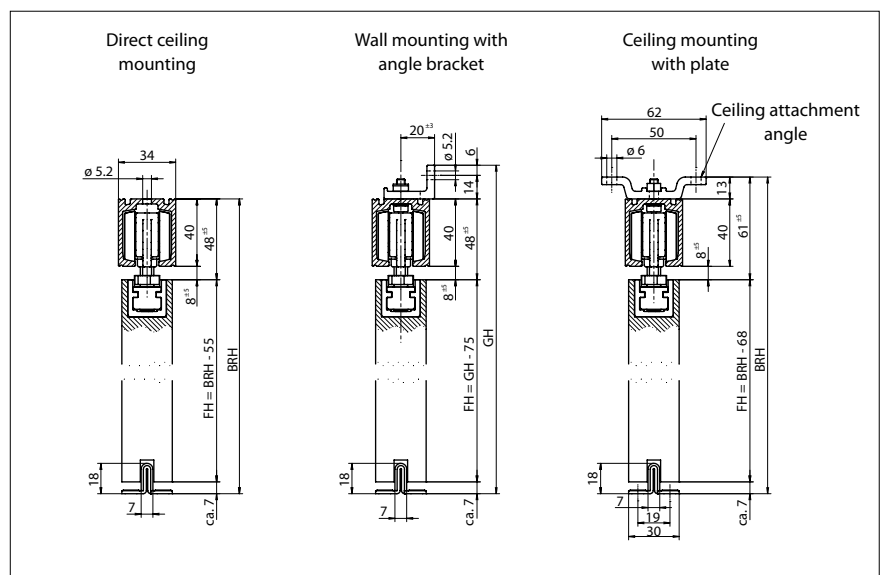


Concealed carrier plate minimises the distance between the track and door leaf

CONCEALED CARRIER PLATE

PRODUCT FEATURES

- The carrier plate concealed (recessed) in the wooden leaf minimises the distance between the track and door leaf.
- Visible, obtrusive carrier plates are a thing of the past.
- Covers no longer have to be installed on site.



Concealed wall bracket for Perlan 140

Installation of a wall fixing without the need for a covering on site requires the fixing to be as inconspicuous as possible. GEZE developed a concealed wall angle bracket especially for this purpose, used in combination with the glass clamping plate or the concealed carrier plate it provides the smallest possible installation space for a sliding door fitting.

The angle bracket is available with two different spacings

- for glass doors, lying directly against the wall
- for wooden doors, with larger distance from the wall

The variation for wooden doors is also suitable for outdoor use. If necessary, the wall can be protected against water stains using a rubber seal.

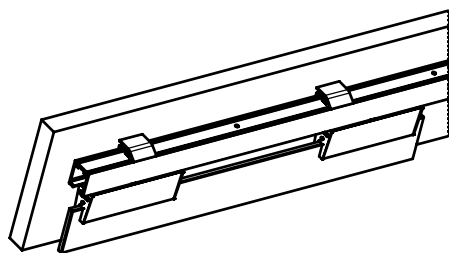
GEZE supplies an end face cover for both angle brackets, which can be optionally glued (indoor use) or screwed (outdoor use).

Standard angles are available in the same length as the track.

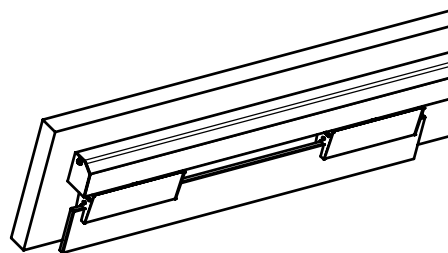
A set with eight individual angle brackets is available if a cover is available on site and yet a greater distance between the track and wall is required.



Individual angle bracket version (e.g. glass leaf)



Continuous angle bracket version (e.g. glass leaf)



CONCEALED WALL BRACKET FOR PERLAN 140 – ORDER INFORMATION

Description	Design	ID No.	Design	ID No.
Concealed wall bracket for Perlan 140	6000 mm	EV1 130414	6000 mm	EV1 130435
	3250 mm	EV1 130415	3250 mm	EV1 130436
	2850 mm	EV1 130416	2850 mm	EV1 130437
	2450 mm	EV1 130417	2450 mm	EV1 130438
	2050 mm	EV1 130418	2050 mm	EV1 130439
	1650 mm	EV1 130419	1650 mm	EV1 130440
	1250 mm	EV1 130420	1250 mm	EV1 130441
	configurable	EV1 130462	configurable	EV1 130443
	6000 mm	anod. stainless steel 130463	6000 mm	anod. stainless steel 130444
	2450 mm	anod. stainless steel 130464	2450 mm	anod. stainless steel 130445
	2050 mm	anod. stainless steel 130465	2050 mm	anod. stainless steel 130446
	1650 mm	anod. stainless steel 130466	1650 mm	anod. stainless steel 130447
	configurable	anod. stainless steel 130468	configurable	anod. stainless steel 130449
			Wood	EV1 130555
Concealed wall bracket set for Perlan 140			Glass	EV1 130557
Set of end face covers for concealed wall bracket Perlan 140			Wood	EV1 130141
			anod. stainless steel	130142
			Glass	EV1 130432
			anod. stainless steel	130433
Set of cap screws for concealed wall bracket Perlan 140				130643
Set of countersunk screws for concealed wall bracket Perlan 140 SoftStop				132229

CONCEALED WALL BRACKET FOR GEZE PERLAN 140 – MOUNTING VARIATIONS

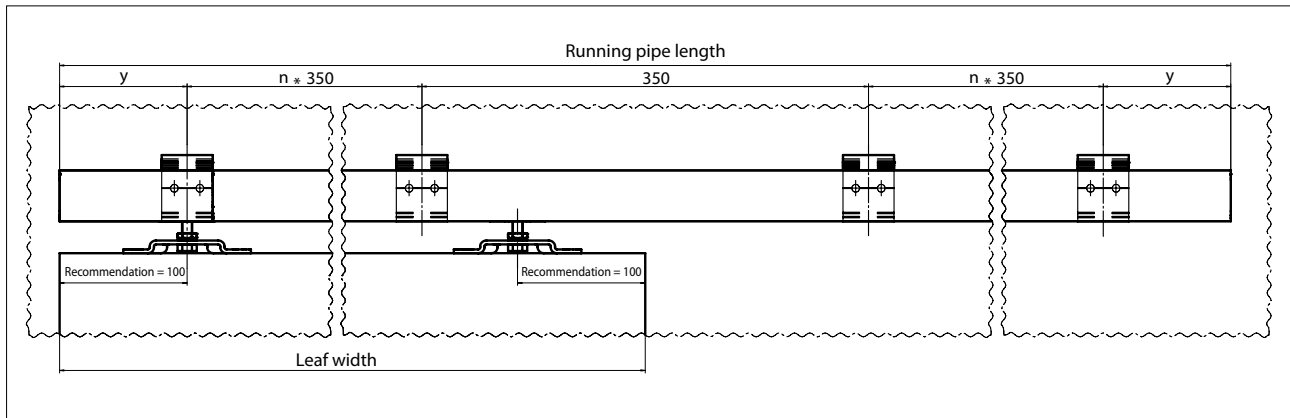


Fig. 23-1

PERLAN 140 WALL BRACKET, CONCEALED

Installation of individual wall brackets with wooden door leaf is shown in Fig. 23-1.

Continuous wall bracket version and individual angle bracket on wooden door, see Fig. 23-2

Continuous wall bracket version and individual angle bracket on glass door, see Fig. 23-3

INSTALLATION DRAWING

Drawing No. 10421-ep37

KEY

y = Clearance from end of track to centre of first drill hole

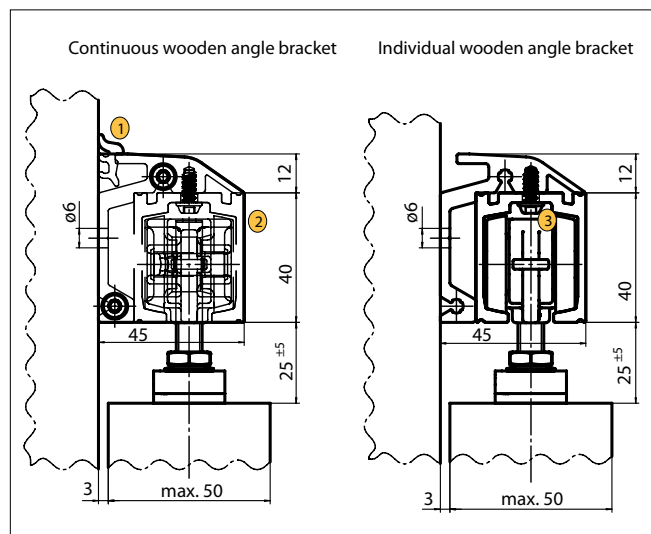


Fig. 23-2

EXPLANATION

- ① Rubber seal (optional)
- ② End face cover, optionally glued or screwed
- ③ standard track fixing with set of cap screws
- ④ SoftStop track fixing with set of countersunk screws

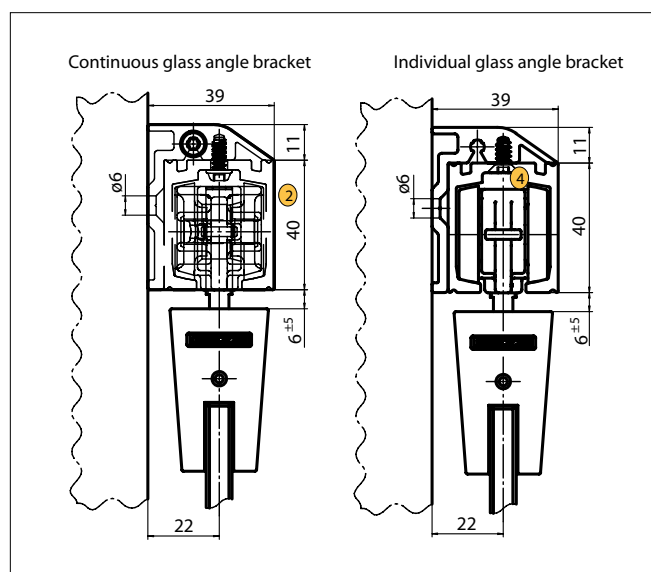


Fig. 23-3

GEZE Perlan 140 with fixed panel

Transparent and convenient access thanks to the integrated GEZE Perlan 140 with fixed field solution. The almost invisible floor and side profiles generate a uniform appearance and strengthen the generous special effect afforded by the glass appearance.

OTHER PRODUCT FEATURES

- For fully glazed connecting walls
- Easy to mount, no gluing necessary
- For all standard door widths
- Tracks and side profiles made of anodised aluminium in EV1 or stainless steel look
- For 8, 10 and 12 mm fixed panels
- All product features are the same as for Perlan 140

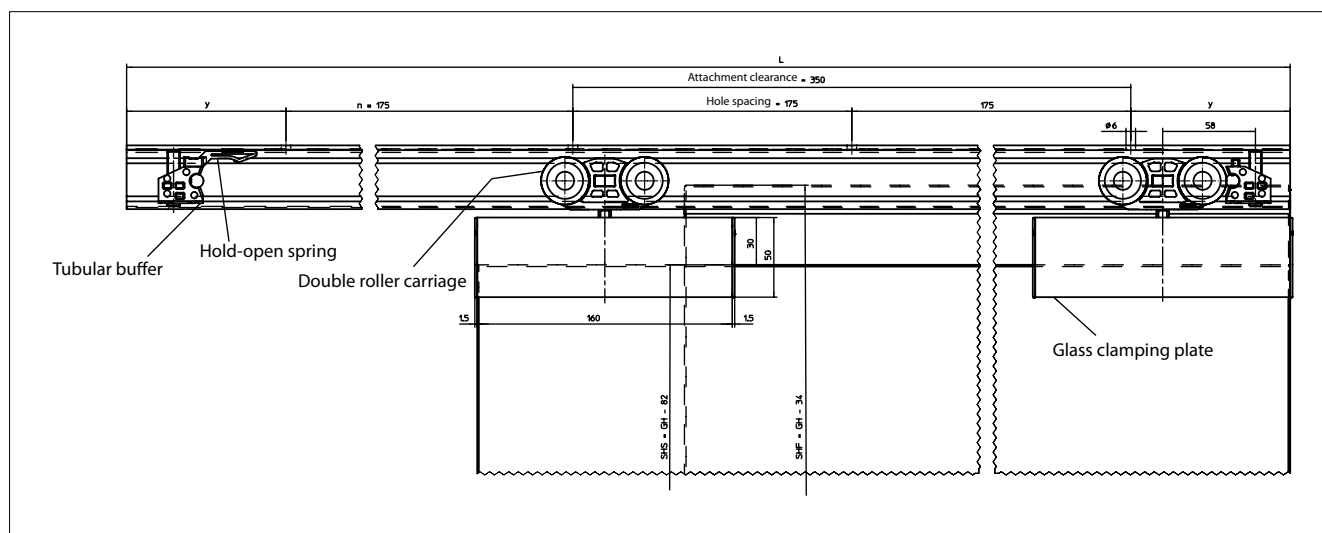


Fig. 24-1

PERLAN DUOSYNC STANDARD MOUNTING

Mounting of the GEZE Perlan fixed panel is shown in Fig. 24-1.

Optional: Glass clamping plate continuously covered!

INSTALLATION DRAWING

Drawing No. 10421-ep50

NOTE:

In addition to the tubular buffer, the door leaf must be stopped by an angle buffer. Attach buffer half-way up the door!

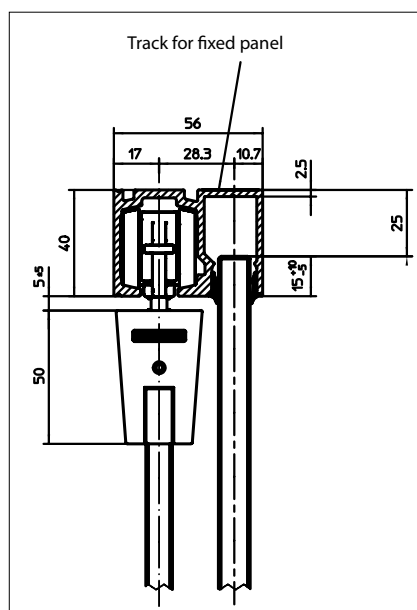


Fig. 24-2

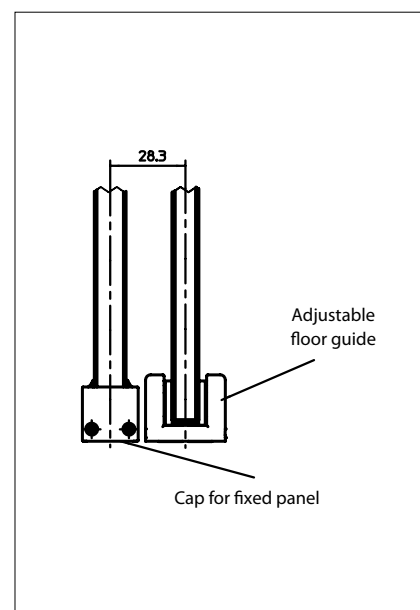


Fig. 24-3

GEZE Perlan 140 DuoSync

Perlan 140 DuoSync is the innovative roller sliding door fitting to synchronously open and close double-leaf sliding doors. It can be used to conveniently open and close both leaves with only one handle. This is carried out by the precision ball bearing and the toothed belt connection and is almost silent.

PRODUCT FEATURES

- Suitable for doors made of wood, plastic and glass (toughened safety glass)
- Large opening widths up to 2400 mm
- Low construction height
- Maintenance free deflection system
- If necessary, a clip-on screen system conceals the area between the leaf and track
- Compatible with Perlan 140 accessories
- All other product features are the same as for Perlan 140

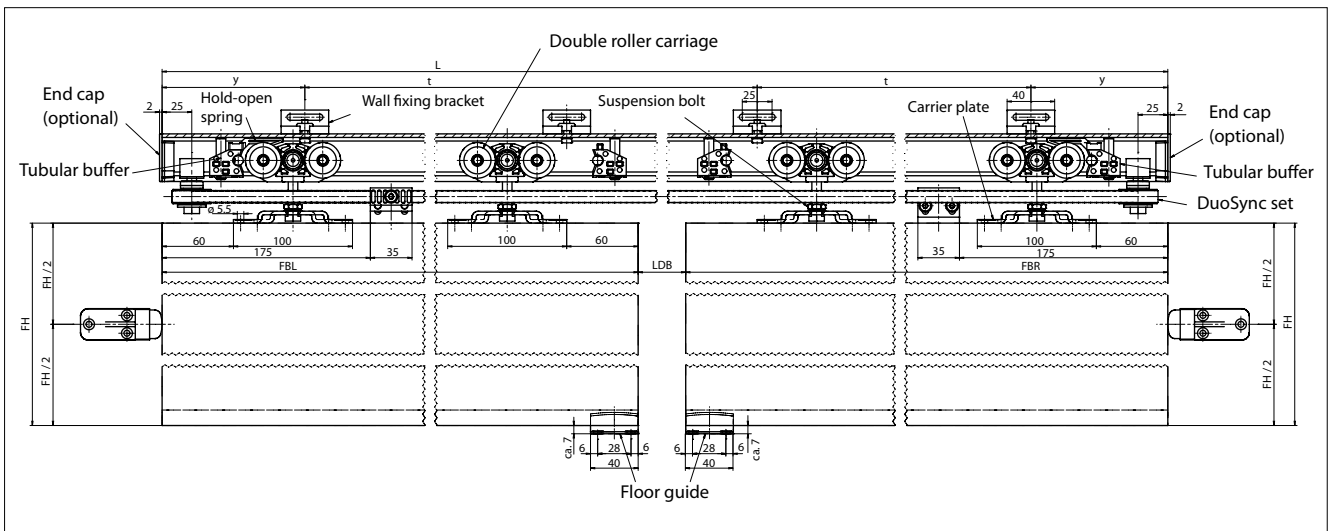


Fig. 25-1

PERLAN DUOSYNC STANDARD MOUNTING

Mounting of the GEZE Perlan 140 DuoSync on a synchronous, double-leaf sliding door with wooden leaf and carrier plate (manual) is shown in Fig. 25-1.

The fixings can be mounted onto the ceiling directly or with a plate or onto the wall with an angle bracket, see Fig. 25-2.

INSTALLATION DRAWING

Drawing No. 10421-ep08

NOTE:

In addition to the tubular buffer, the door leaf must be stopped by an angle buffer. Attach buffer half-way up the door!

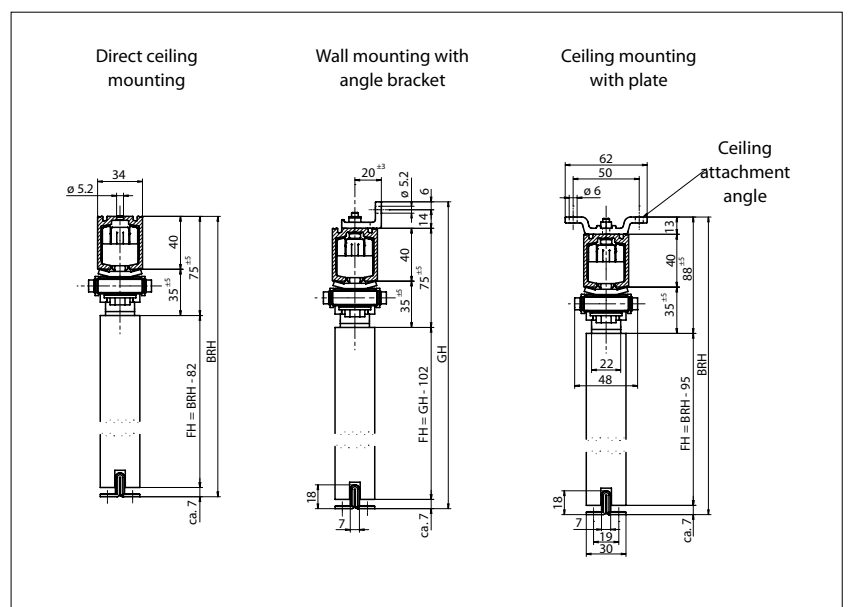


Fig. 25-2

GEZE PERLAN 140 DUOSYNC – MOUNTING VARIATIONS

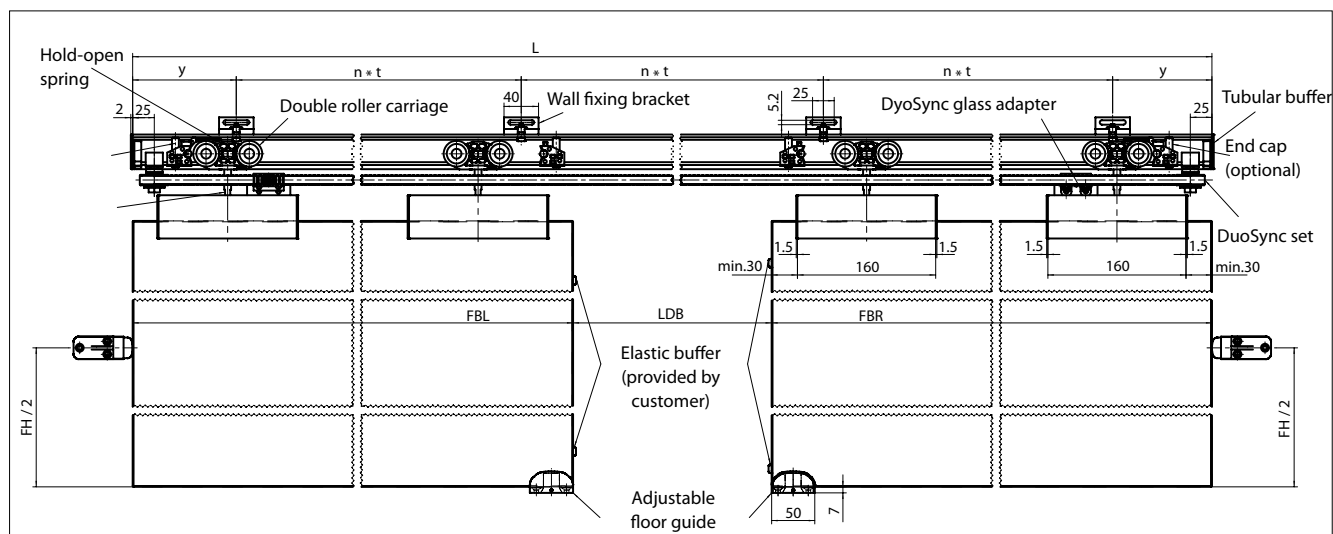


Fig. 26-1

PERLAN 140 STANDARD MOUNTING DUOSYNC ON GLASS LEAVES

Mounting of the GEZE Perlan 140 DuoSync on a synchronous, double-leaf sliding door with wooden leaf and glass clamping plate (manual) is shown in Fig. 26-1.

The fitting can be fixed directly onto the ceiling or onto the wall or ceiling using an angle bracket or plate, see Fig. 26-2

INSTALLATION DRAWING

Drawing No. 10421-ep09

NOTE:

Removable panels must be installed at wall recesses to make them accessible. In addition to a tubular buffer, the door leaf must be stopped by an angle buffer. Attach buffer half-way up the door!

It is recommended that you protect the main closing edge using elastic buffers (supplied on site by the customer).

OTHER PRODUCT FEATURES

- In addition to the DuoSync set, a glass adapter is also available for the synchronisation of glass leaves.
- All product advantages of the Perlan 140 / Perlan 140 DuoSync also exist for this individual solution.
- It is possible to use the GEZE clip-on screen system for concealment.

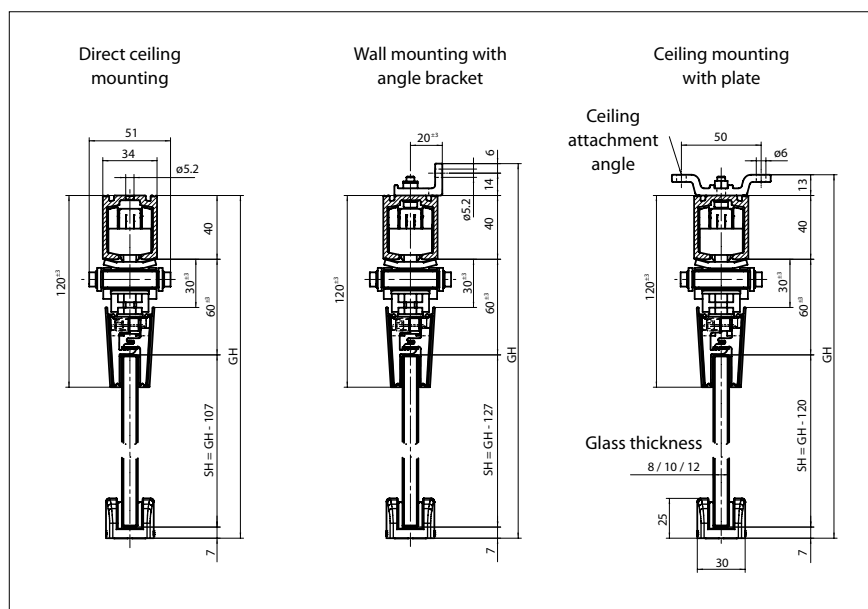


Fig. 26-2

KEY

- LWL = Leaf width, left (mm)
- LWR = Leaf width, right (mm)
- L = Track length (mm)
- t = Hole clearance (mm)
- x = Number of wall or ceiling attachment brackets
- y = Clearance (mm) from end of track to centre of drillhole for the attachment bracket
- BL = Bearing length (mm)
- LH = Leaf height (mm)
- CH = Construction height (mm)
- OH = Overall height (mm)
- CPH = Clear passage height (mm)

GEZE Perlan 140 Telescope

Perlan 140 Teleskop is the elegant, space-saving roller-guided sliding door system for large-scale and convenient doorways. It provides reliable protection from sunlight. High quality bearings and the self-cleaning track ensure a long lifetime even in automated operation.

PRODUCT FEATURES

- For wooden, plastic and metal door leaves
- The Teleskop set can be conveniently pre-mounted on the leaves – thereby avoiding strenuous work above head height
- Suitable for two or three-leaf systems with door leaf weights up to 140 kg
- Minimum leaf width 475 mm per leaf
- Compatible with the Perlan 140 accessories
- Perlan 140 Teleskop can be easily combined with DuoSync or AUT
- All other Teleskop product features are compatible with the Perlan 140 roller-guided sliding door system

Perlan 140 Teleskop AUT

- For automation, please note that the outer leaf is always driven.
- The maximum AUT leaf weight is 80 kg.
- Minimum AUT leaf width 475 mm per leaf

STANDARD VERSION/SCOPE OF DELIVERY:

Teleskop double-leaf set consisting of:
1 cross-arm set, long, 1 cross-arm set, short, 2 cross-arms, short, 1 door leaf adapter, 1 wall/ceiling adapter, 1 carrier, 4 spacer sleeves, 1 compression-type sleeve, 1 wire rope

ADDITIONAL SET FOR A FURTHER LEAF

Additional set for connecting a third leaf, consisting of:
1 cross-arm set, long, 1 cross-arm set, short, 2 door leaf adapters, 1 carrier, 4 spacer sleeves, 1 compression-type sleeve, 1 wire rope

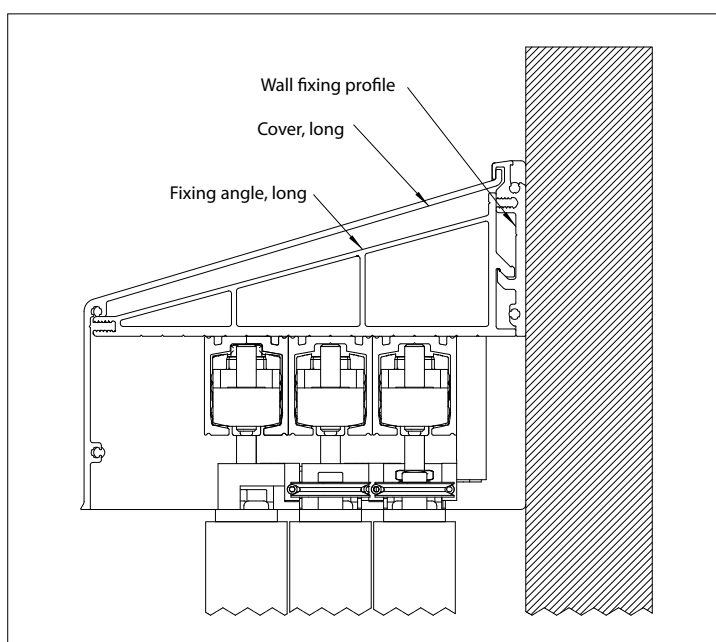


Fig. 27-1

GEZE PERLAN 140 TELESKOP – ORDER INFORMATION

Description	ID No.
Teleskop set, 2-leaf	130891
Teleskop extension set, 3-leaf	130892
Teleskop mounting tool set (for installation of the wire rope)	134035

GEZE PERLAN 140 TELESKOP – MOUNTING VARIATIONS

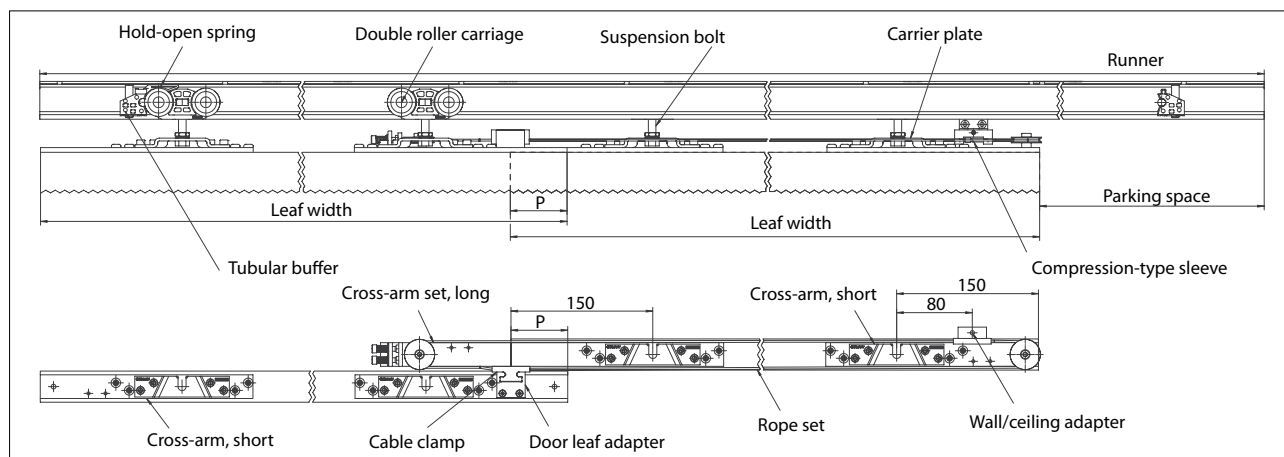


Fig. 24-1

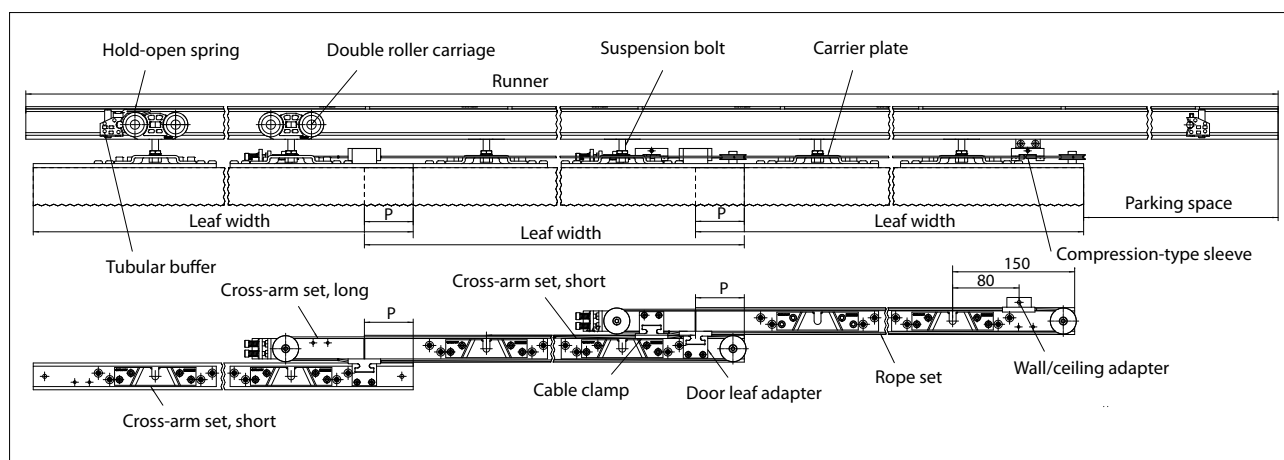


Fig. 28-2

PERLAN 140 TELESKOP STANDARD MOUNTING

Example for mounting the 2-leaf Perlan 140 Teleskop, See Fig. 28-1

Example for mounting the 3-leaf Perlan 140 Teleskop, See Fig. 28-2

Wall fixing of the 3-leaf Perlan 140 Teleskop with (optional) wall bracket, see Fig. 27-1

Ceiling fixing of the 2-leaf Perlan 140 Teleskop, see Fig. 28-3

Ceiling fixing of the 3-leaf Perlan 140 Teleskop, see Fig. 28-4

INSTALLATION DRAWING

Drawing number 10421-EP-40 (3-leaf)
and 10421-EP-41 (2-leaf)

KEY

P = door overlap
LT = leaf thickness

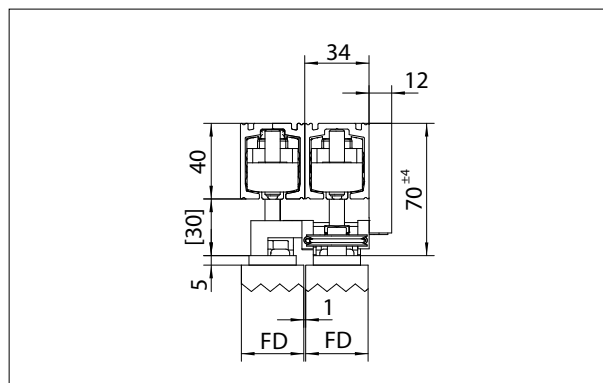


Fig. 28-3

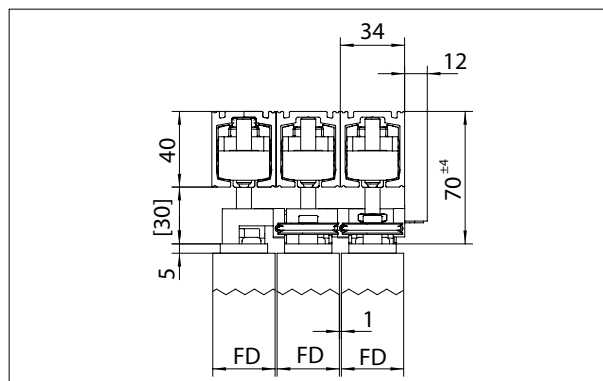


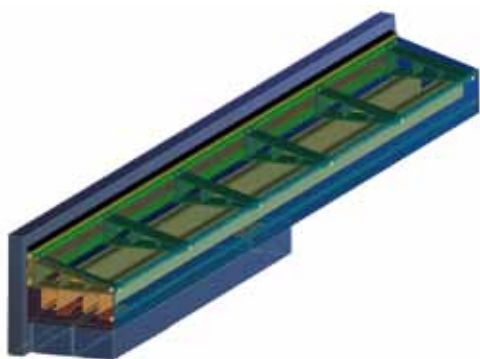
Fig. 28-4

Perlan 140 system for sliding shutters

WALL MOUNTING BRACKET WITH WEATHER CANOPY AND FLOOR GUIDES

PRODUCT FEATURES

- Continuous wall profile with fixing attachment bracket for 1-3 tracks
- Up to 3 door leaves, 140 kg each in parallel
- Brackets available in three sizes
- All parts made from corrosion-protected material
- Quick and easy mounting
- Also suitable for covering Perlan AUT



GEZE SYSTEM FOR PERLAN 140 SLIDING SHUTTERS – ORDER INFORMATION

Description			Design	ID No.
Wall bracket and cover	End face cover set	short	EV1	127313
			RAL colour	127317
		medium	EV1	127314
	Attachment bracket set		RAL	127318
		short	EV1	127320
	Wall mounting	medium	EV1	127322
		perforated	EV1	127259
	Perforated wall mounting, cut to size		EV1	127260
			RAL	127673
	Cover		EV1	127264
		short	EV1	127265
		cut to size	RAL	127674
			EV1	127266
		medium	EV1	127267
		cut to size	RAL	127675
Floor-level guides	Seal, wall attachment bracket	200 M		127311
		configured		127731
		Perlan 140 wall attachment bracket set	configured	127582
	Attachment bracket and glass floor guide set		40 mm	123511
			60 mm	123512
			100 mm	123513
	Floor guide set	play-free		123514
		continuous Omega shaped 6M		124640
			8 mm	124651
	Floor guide	for glass	10 mm	124652
			12 mm	124653
		M shaped 6M		124661
	Buffer	continuous, configured	Stainless steel	124662
		for continuous floor guide		124655
		for continuous glass floor guide		124656

SYSTEM FOR PERLAN 140 SLIDING SHUTTERS – MOUNTING VARIATIONS

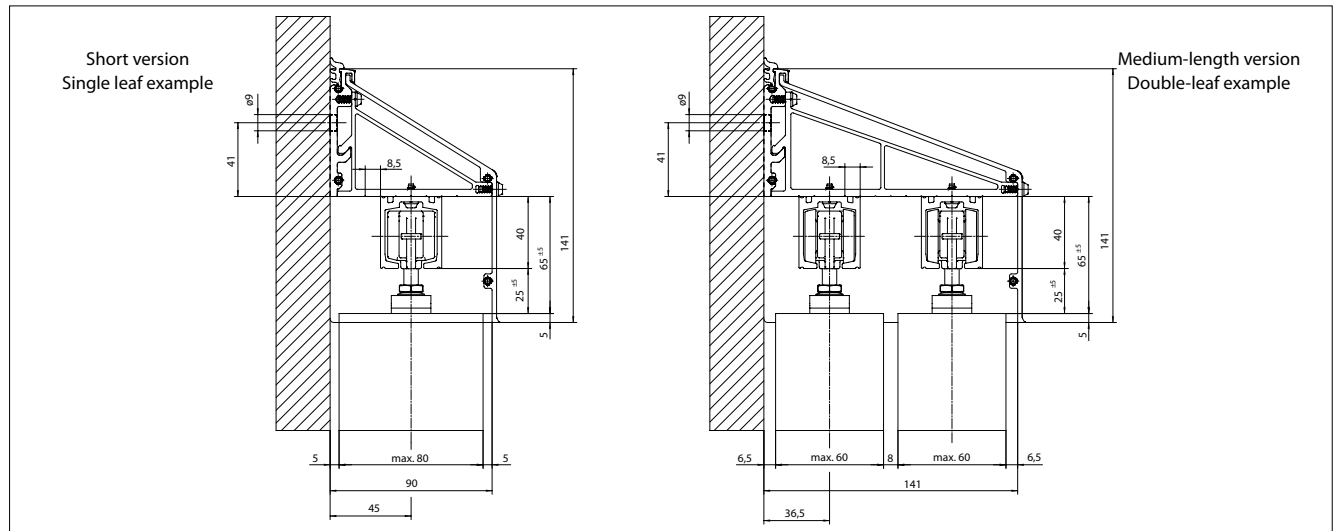


Fig. 30-1

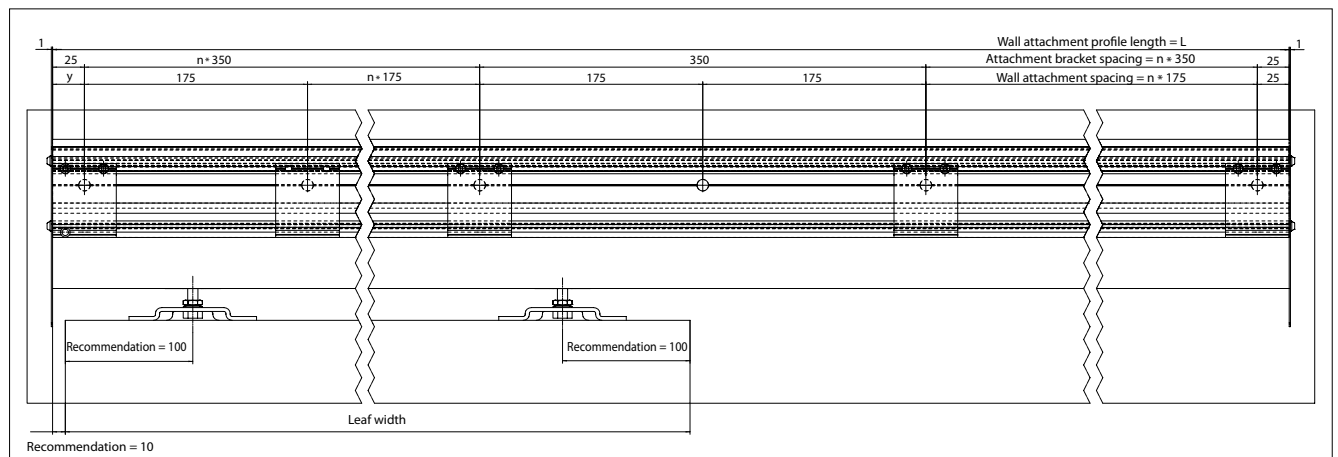


Fig. 30-2

PERLAN 140 WALL MOUNTING OUTDOORS

Wall bracket and cover

- Short version, single leaf example
- Medium-length version, double-leaf example are shown in Fig. 26-1

View without cover, see Fig. 30-2

View with cover, see Fig. 30-3

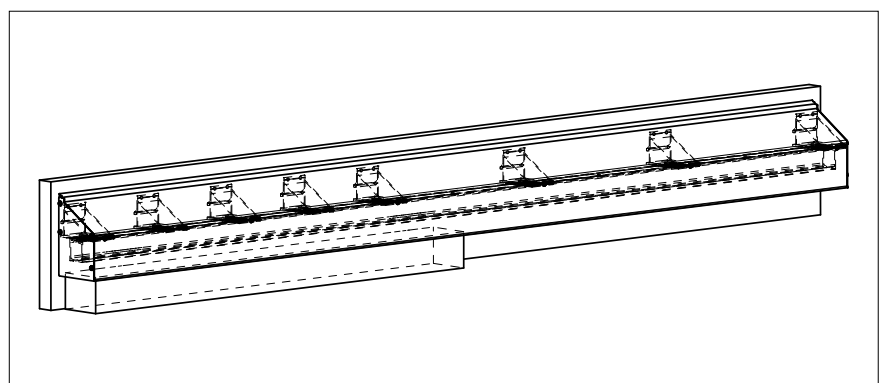


Fig. 30-3

INSTALLATION DRAWING

Drawing No. 10421-ep30

SYSTEM FOR PERLAN 140 SLIDING SHUTTERS – MOUNTING VARIATIONS

PERLAN 140 GUIDE VERSIONS, EXAMPLES FOR WOODEN DOOR LEAF

M guide profile on facade
Chequered angle bracket 40 mm and 100 mm
can be “overrun” on double-leaf doors,
see Fig. 31-1

M guide profile on facade
Chequered angle bracket 40 mm
on single leaf door,
see Fig. 31-2

M guide profile on facade
Chequered angle bracket 40 mm
on single leaf door,
see Fig. 31-3

M guide profile on facade
Chequered angle bracket 40 mm and 100 mm
on double-leaf doors,
see Fig. 31-4

INSTALLATION DRAWING

Drawing No. 10421-ep21

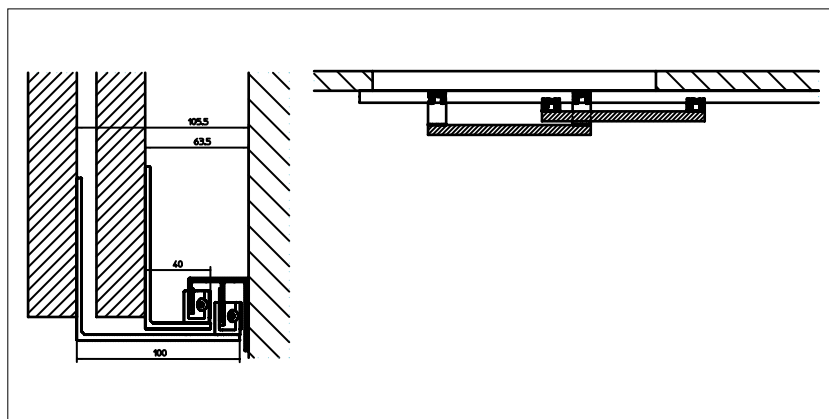


Fig. 31-1

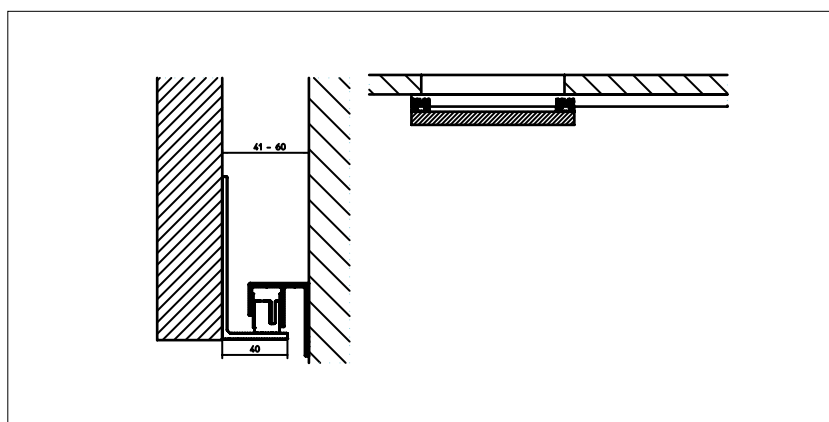


Fig. 31-2

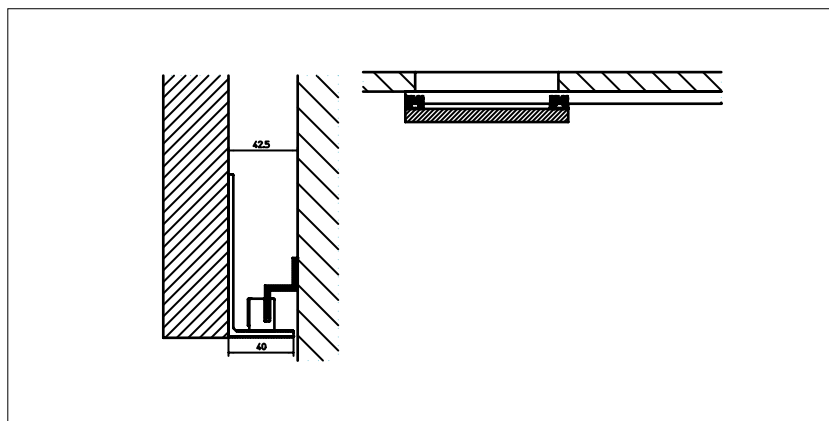


Fig. 31-3

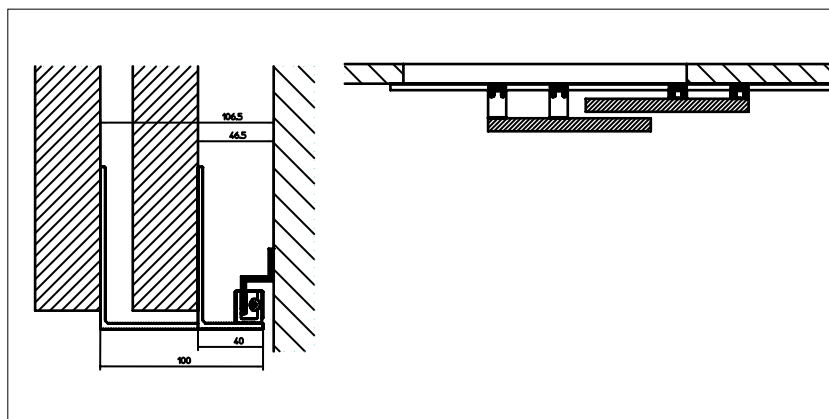


Fig. 31-4

GEZE Perlan KS

The sliding door fitting for maximum use

Based on the tried and tested sliding door fixings system, Perlan KS is a high-quality, corrosion resistant product option for leaves up to 140 kg, which fulfils the standard for the maximum corrosion protection class to EN 1670.

GEZE quality is therefore suitable for outdoor use, which can be used under even the most extreme environmental conditions, such as sea air or chemical exposure.

Just like the standard system, Perlan KS can be combined with the complete Perlan accessories program.

PRODUCT FEATURES

- Tested to EN 1527:1998
- Meets all the requirements of the valid standards with regard to statistical loads, suitability for constant use, operating force and corrosion resistance.
- Can be combined with the Perlan AUT set. The drive is simply pushed onto the track and tightened.
- Particularly suitable for automated sun shading system in outdoor areas



KEY

- LW = Leaf width (mm)
L = Track length (mm)
t = Hole clearance (mm)
x = Number of wall or ceiling attachment brackets
y = distance (mm) from end of track to centre of drillhole for the angle bracket
BL = Bearing length (mm)

Standard dimensions (mm)				
LW	L	t	x	y
510 - 700	1250	350	4	100
710 - 900	1650	350	5	125
910 - 1100	2050	350	6	150
1110 - 1300	2450	350	7	175
1310 - 1500	2850	350	9	25
1510 - 1700	3250	350	10	50
LL	6000	350	18	25

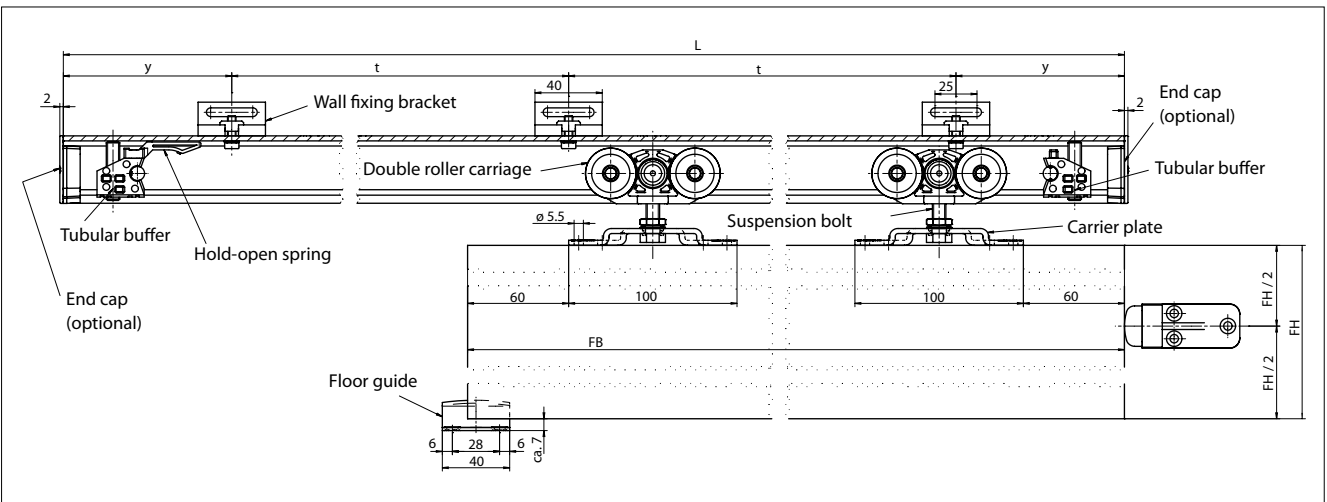


Fig. 32-1

GEZE Perlan AUT

The Perlan AUT set enables automation of the manual Perlan 140 sliding door fitting system for leaves up to 80 kg.

OTHER PRODUCT FEATURES

A simple and cost-effective solution which assists the user on operating sun shading systems and also offers a large number of other use options.

The Perlan AUT provides comfort and convenience for walk-in wardrobes, for very large door leaves and systems installed in poorly accessible places. It helps to prevent accidents where windows are installed at a large height.

- A synchronous, automated version can be implemented by using additional carriers.

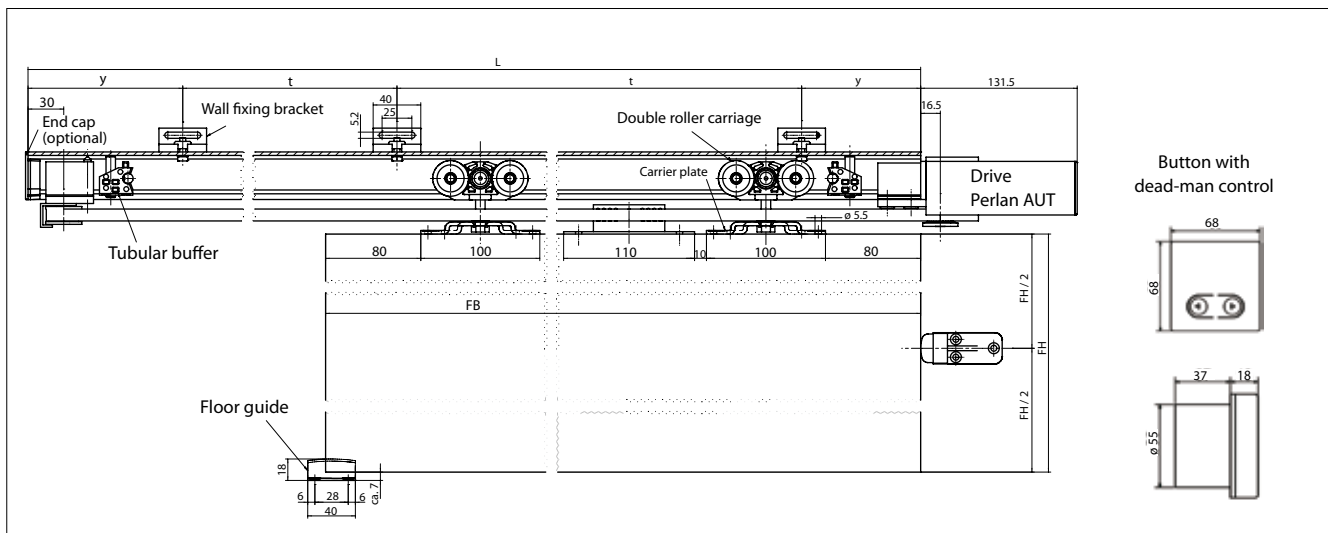


Fig. 33-1

PERLAN AUT STANDARD MOUNTING

Mounting of the Perlan 140 with AUT set on a single-leaf sliding door with wooden leaf and carrier plate, see Fig. 33-1

The fixings can be mounted onto the ceiling directly or with a plate or onto the wall with an angle bracket, see Fig. 33-2.

INSTALLATION DRAWING

Drawing No. 10421-ep10

NOTE:

Removable panels must be installed at wall recesses to make them accessible.

In addition to the tubular buffer, the door leaf must be stopped by an angle buffer. Attach buffer half-way up the door!

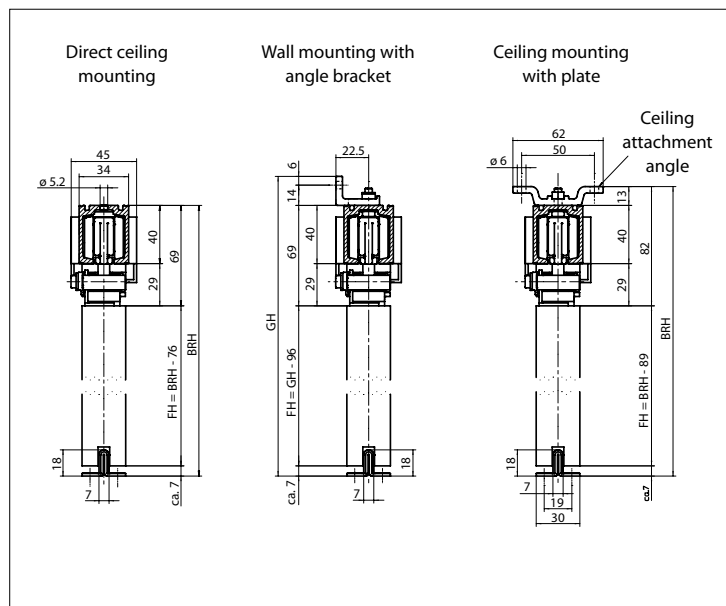


Fig. 33-2

GEZE PERLAN AUT – SYSTEM COMPONENTS AND MOUNTING VARIATIONS

DRIVE

The drive element drives the sliding elements via a toothed belt and carrier. The unit is controlled using the operating switches. The drive unit is mounted in such a way as to prevent direct exposure to the weather. There is no risk of injuries, as the motor applies a maximum force of 150 N and the systems are operated with a dead-man's circuit.

CONTROL/OPERATING SWITCHES

The operating switches can be used to open and close the sliding elements. A test run performed following start-up ensures precise movements. During slow travel, the control memorises the start and stopping point. The end positions are saved and the path of travel is defined for future use.

TOOTHED BELT

The toothed belt provides the connection between the sliding element and the drive via a deflection pulley. The belt is cut to the required length and connected with the help of a toothed belt lock.

OPTIONS/ADDITIONAL CONTROLS

If necessary, a maximum of two additional devices such as sensors or smoke detectors can be connected (not included in the GEZE scope of delivery).



Deflection pulley

Drive

Toothed belt

Carrier with belt lock

Control/button



Perlan AUT set scope of delivery, ID. No. 120434

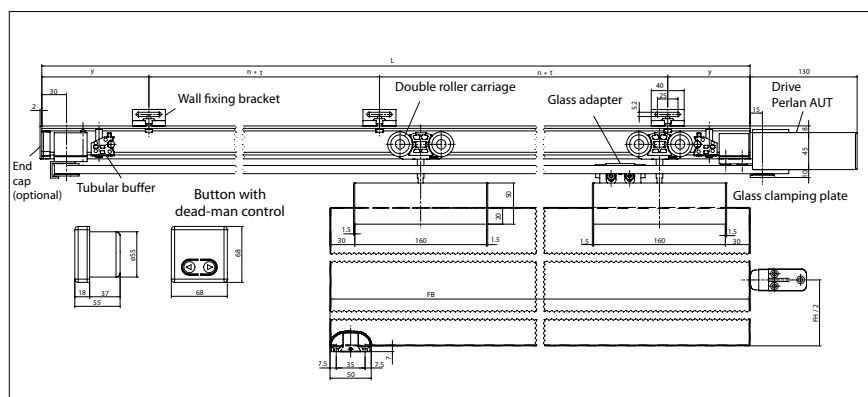


Fig. 34-1

PERLAN AUT STANDARD MOUNTING ON GLASS LEAVES

Mounting of the GEZE Perlan 140 with AUT set on a single-leaf sliding door with glass leaf and glass clamping plate, see Fig. 34-1

The fixings can be mounted onto the ceiling directly or with a plate or onto the wall with an angle bracket, see Fig. 34-2.

INSTALLATION DRAWING

Drawing No. 10421-ep14

NOTE:

The motor must be mounted in such a way that it is protected from the rain.
The Perlan AUT control must be mounted within the building.

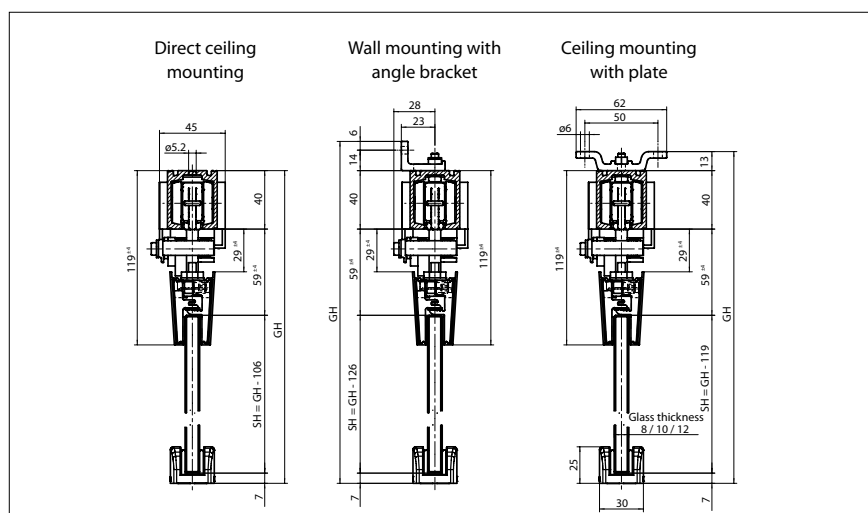


Fig. 34-2

SYSTEM FOR PERLAN 140 AUT SLIDING SHUTTERS – MOUNTING VARIATIONS

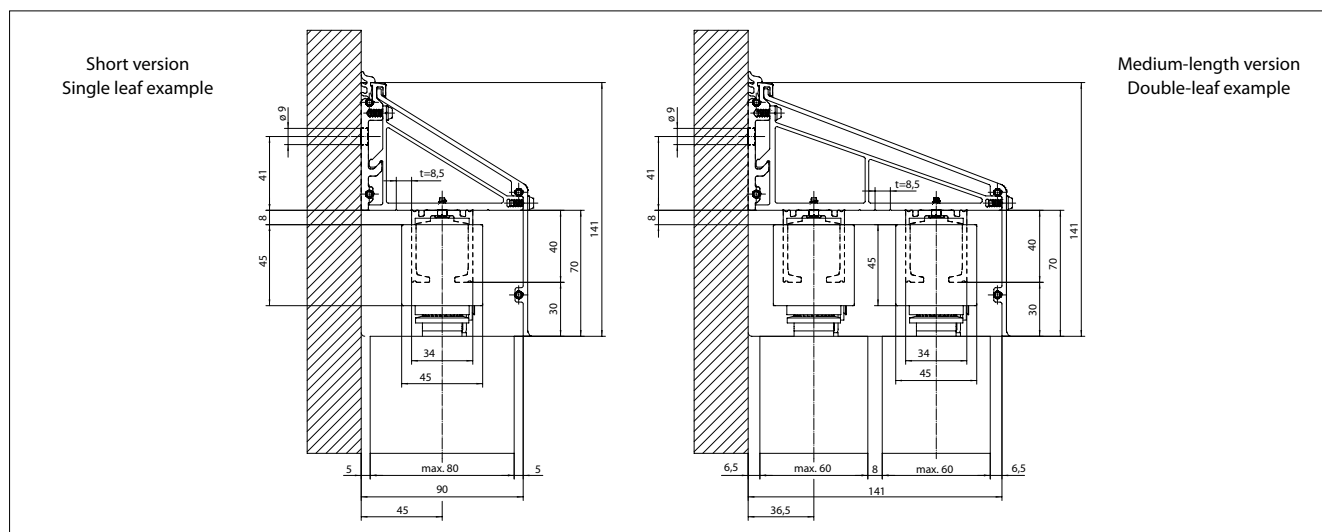


Fig. 35-1

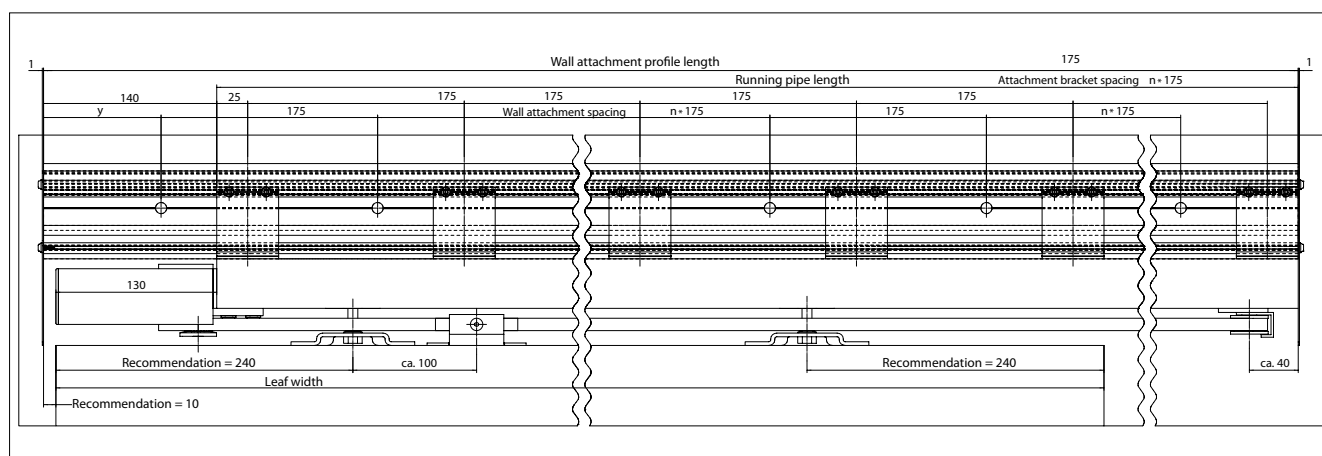


Fig. 35-2

PERLAN 140 AUT WALL ATTACHMENT OUTDOORS

- Wall bracket and cover
 - Short version, single leaf example
 - Medium-length version, double-leaf example
- are shown in Fig. 35-1

View without cover, see Fig. 35-2

View with cover, see Fig. 35-3

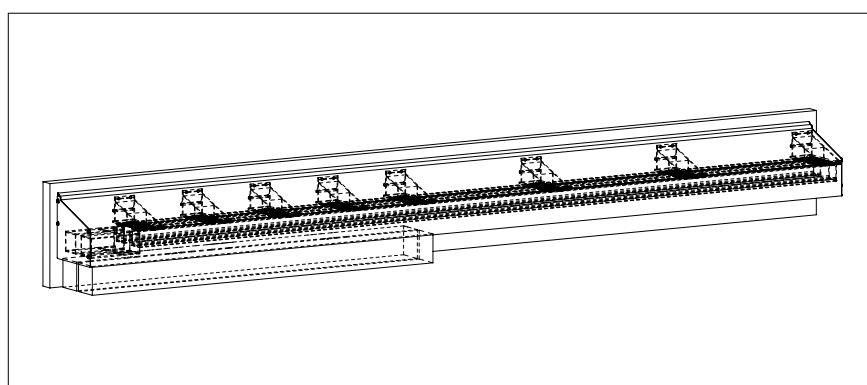


Fig. 35-3

INSTALLATION DRAWING

Drawing No. 10421-ep29

GEZE clip-on screen (Perlan 140)

CLIP-ON SCREEN

- Clip-on, anodised aluminium screen enables simple, design-oriented concealment
- Available in all RAL colours
- Screen is clipped directly onto the screen fixings without obtrusive screws
- Side caps for an attractive anodised aluminium side finish to the track and screen
- For wall and ceiling mounting

INSTALLATION DRAWING

Drawing No. 10421-ep20

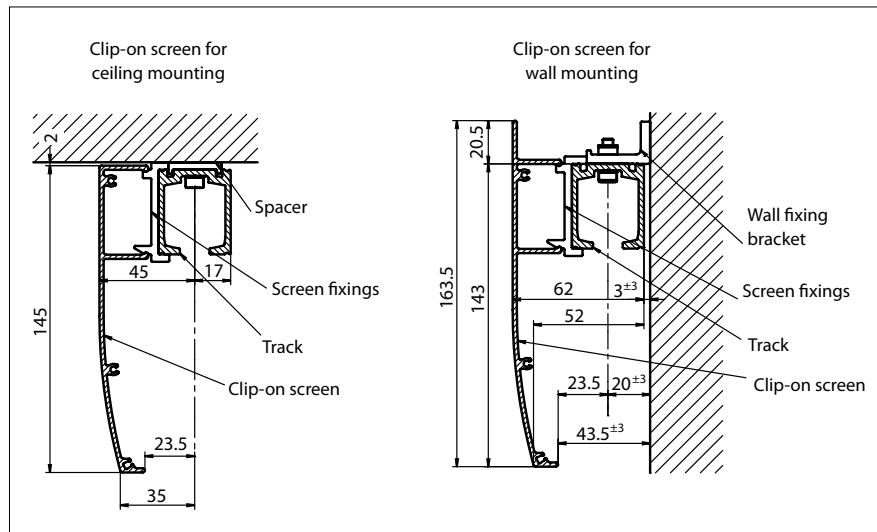


Fig. 36-1

For use with:

- **PERLAN 140**
on wooden and glass door leaves
- **PERLAN DUOSYNC**
on synchronous wooden and glass door leaves
- **PERLAN AUT**
on automated wooden and glass door leaves
- **PERLAN KS**
on sun shading systems in outdoor areas
(please note the additional number of screen fixing parts!)

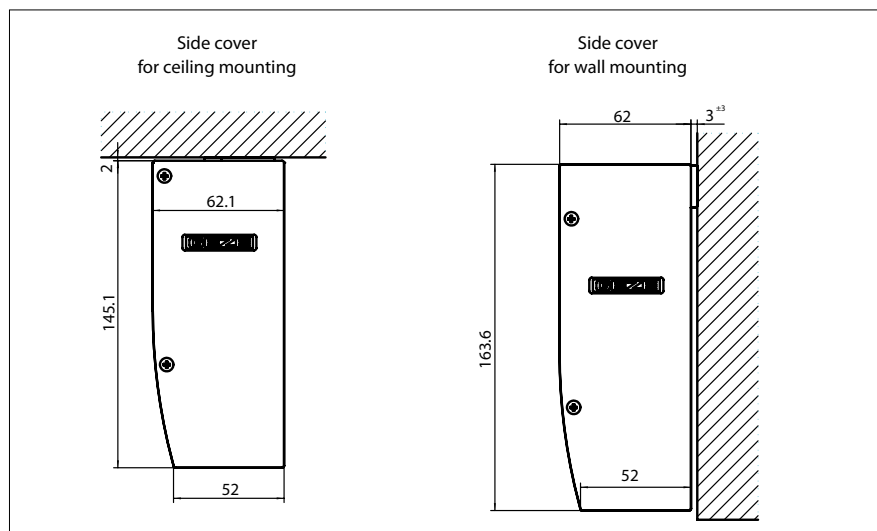
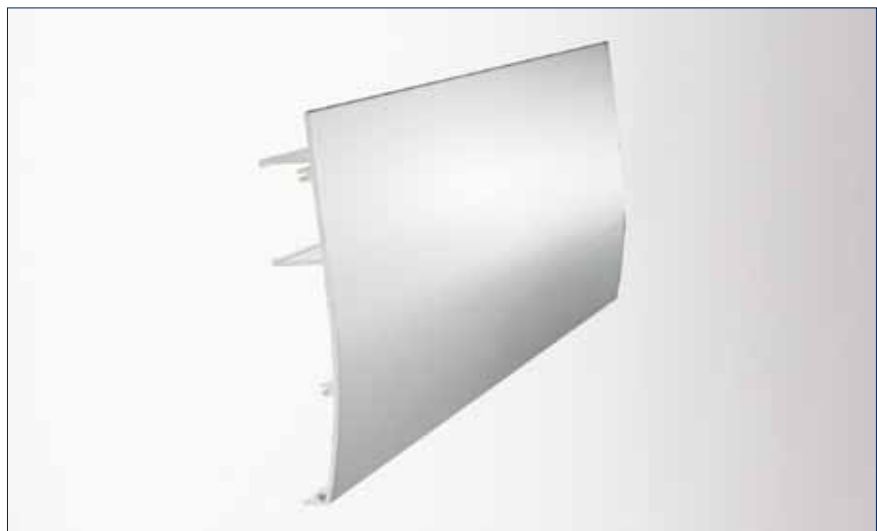


Fig. 36-2



GEZE Perlan - clip-on screen

Accessories for GEZE Perlan 140

GLASS FLOOR GUIDE, FREELY ADJUSTABLE

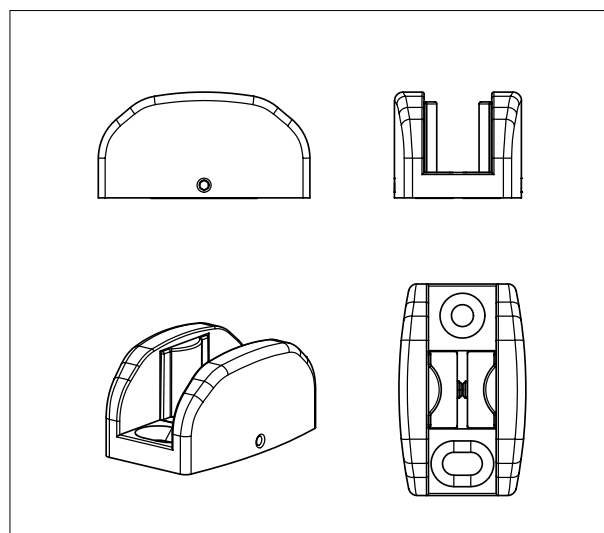
- The floor guide for glass thicknesses of 8 mm to 12 mm can easily be continuously yet precisely adjusted.

ADJUSTABLE HOLD-OPEN DEVICE

- A headless screw can be used to individually set the latching force of the hold-open device
- Individual adjustment to the door leaf used (door weight) and the respective user

END CAP

- The clip-on end cap forms a clean finish for the track



Adjustable glass floor guide



GEZE Perlan · adjustable hold-open device



GEZE Perlan - end cap

CARRIER PLATE, CONCEALED

- Thanks to the concealed (recessed) carrier plate in the wooden leaf, the gap between the track and the door leaf is kept to a minimum.
- Visible, obtrusive carrier plates are a thing of the past.
- Wooden covers no longer have to be installed on site

INSTALLATION DRAWING

Drawing No. 10421-EP-06

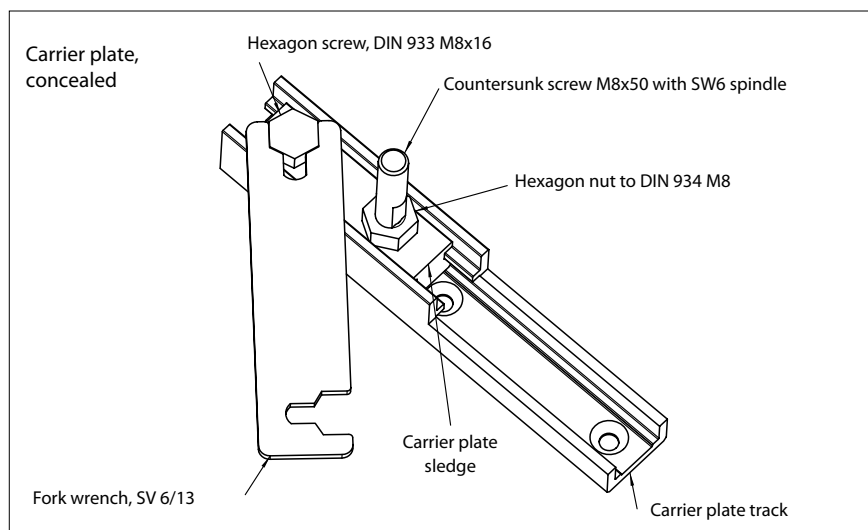


Fig. 37-1

GEZE glass connection patch

The new GEZE glass clamping plate provides increased installation convenience without the need for time-consuming or expensive glass work.

PRODUCT FEATURES

- The clamping plates can be concealed individually, or a continuous cover can be used to conceal both plates. Complete covering of the carrier plates gives the impression of a continuous clamping plate, which is also available in all RAL colours.

The gap between the clamping plate and track is hardly visible and there is no need for a cover to be provided on site.

- Can be used for all standard glass thicknesses. The internal interlocking enables the clamping plate to be adjusted to the respective glass thickness. This makes installation and removal considerably easier.

APPLICATION AREAS

- For all GEZE sliding door systems
- For 8 mm, 10 mm and 12 mm toughened safety glass
- For a load-bearing capacity up to 140 kg maximum



GEZE GLASS CLAMPING PLATE – ORDER INFORMATION

Description	ID No.
Glass clamping plate set of 2 pcs: without covers, raw aluminium surface (standard)	125586
with individual screens (EV1) and end face covers	125585
with individual screens (RAL) and end face covers	126216
With continuous cover over both plates in EV1 or RAL and end face covers	125588

Accessories can also be supplied separately:

End face covers black plastic	125582
End face covers RAL plastic	127498
Cover profile length 6 m	126107
Cover profile, cut to size, EV1	127628
Cover profile, cut to size, RAL	126108

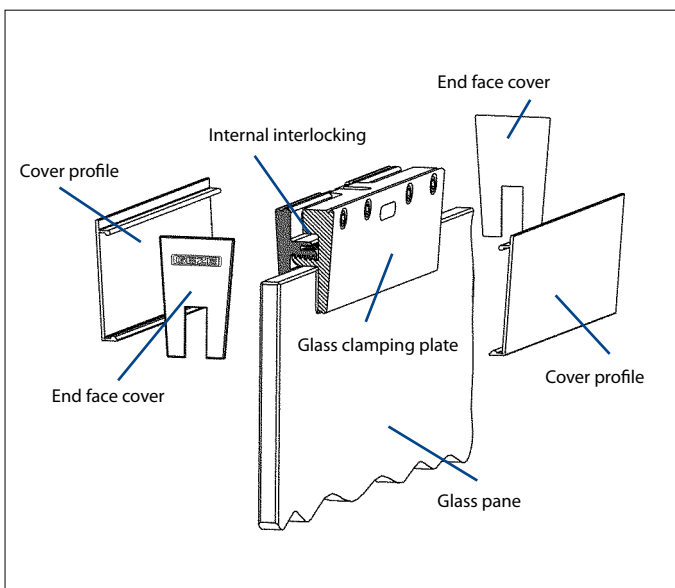


Fig. 38-1

GEZE PERLAN 140 WITH GLASS CLAMPING PLATE

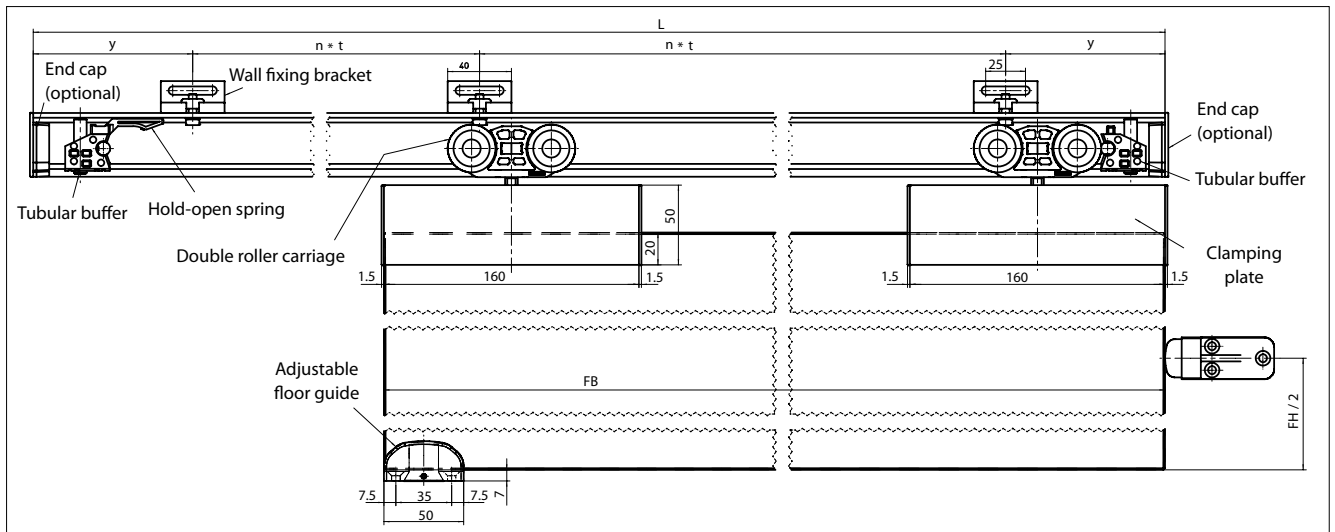


Fig. 39-1

STANDARD MOUNTING ON GLASS LEAVES

Mounting of the GEZE Perlan 140 on a single leaf sliding door with glass leaf and glass clamping plate (manual) is shown in Fig. 39-1.

The fixings can be mounted onto the ceiling directly or with a plate or onto the wall with an angle bracket, see Fig. 39-2.

INSTALLATION DRAWING

Drawing No. 10421-ep07

GLASS FLOOR GUIDE, FREELY ADJUSTABLE

PRODUCT FEATURES

- The floor guide for glass thicknesses of 8 mm to 12 mm can be continuously adjusted, easily yet precisely.

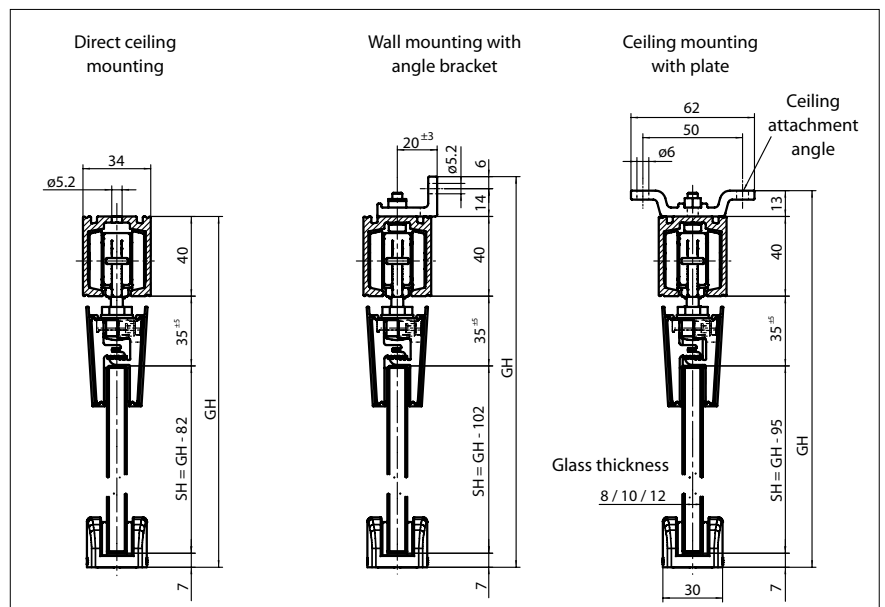


Fig. 39-2



Standard version stainless steel floor guide



Adjustable glass floor guide EV1

GEZE SoftStop

With the SoftStop draw-in damping mechanism, GEZE sliding door systems combine convenience and safety for sliding doors in a perfect way. Uncontrolled stopping at the frame or the buffer is now a thing of the past. The door is braked gently and returns to the zero position of its own accord. The gentle draw-in to the end position is easy on the door and the fitting and increases their lifetimes.

PRODUCT FEATURES

PERLAN 140 SOFTSTOP

- For door leaf weights up to 80 kg
- Perlan 140 SoftStop can be used as a standard on one-side for 515–1700 mm wide doors and on both sides for 840–1700 mm wide doors.
Other sizes can be implemented as part of a project.
- The technology is completely concealed in the track. This means there is no need for an additional cover and obtrusive attachments.



APPLICATION AREAS

- For wooden, plastic, metal and glass doors
- For single or multi-leaf sliding doors
- Particularly suitable for offices and living areas



GEZE GLASS SOFTSTOP – ORDER INFORMATION

If using the standard track lengths, the following allocation results, depending on the door leaf width:

Description		Leaf width	Running pipe length	ID No.
Short version, damped on one side	Glass with glass clamping plate	575 - 900 mm	1800 (1250/1650/2050) mm	128876
	Wood with carrier plate	515 - 840 mm	1680 (1250/1650/2050) mm	
Medium-length version, damped on one side	Glass with glass clamping plate	900 - 1290 mm	2580 (2050/2450/2850) mm	128877
	Wood with carrier plate	840 - 1230 mm	2460 (2050/2450/2850) mm	
Long version, damped on one side	Glass with glass clamping plate	1290 - 1700 mm	3400 (2850/3250/3400) mm	128878
	Wood with carrier plate	1230 - 1700 mm	3400 (2850/3250/3400) mm	
Medium-length version, damped on both sides	Glass with glass clamping plate	900 - 1290 mm	2580 (2050/2450/2850) mm	128880
	Wood with carrier plate	840 - 1230 mm	2460 (2050/2450/2850) mm	
Long version, damped on both sides	Glass with glass clamping plate	1290 - 1700 mm	3400 (2850/3250/3400) mm	128891
	Wood with carrier plate	1230 - 1700 mm	3400 (2850/3250/3400) mm	
Perlan 140 track, 6 m, with countersink				128660
Perlan 140 track, cut to size, with countersink				128661

NOTE:

A Perlan 140 track with recessed fixing holes is necessary if using the SoftStop draw-in damping mechanism!

GEZE PERLAN 140 WITH SOFTSTOP DRAW-IN DAMPING MECHANISM

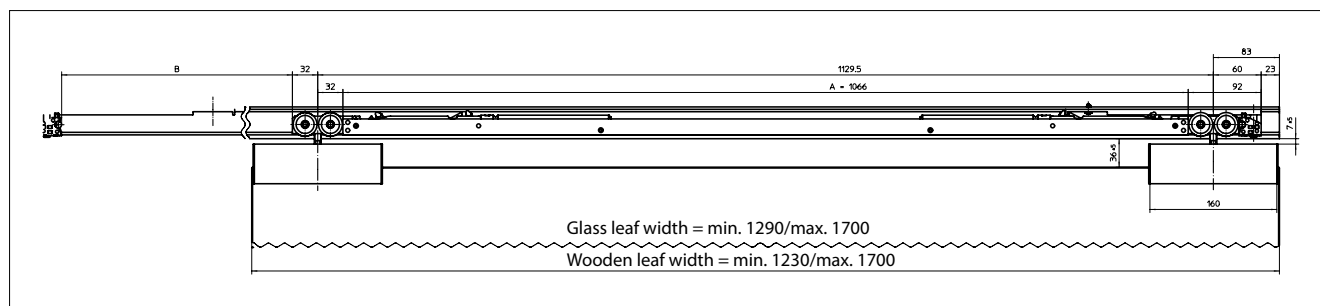


Fig. 41-1

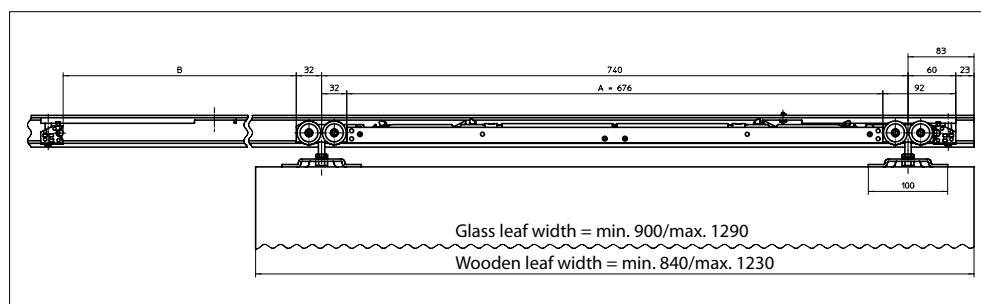


Fig. 41-2

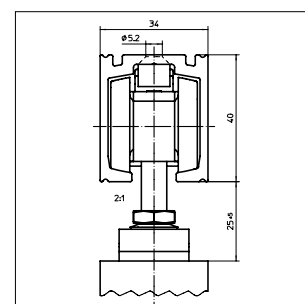


Fig. 23-3

SoftStop draw-in damping mechanism

e.g. with glass leaf, long design (2-sides),
damping in both directions, see Fig. 41-1

e.g. with wooden leaf, medium-sized design
(2-sides), damping in both directions,
see Fig. 41-2

e.g. with wooden leaf, short design (1-side),
damping in one direction, see Fig. 41-3

e.g. with glass leaf, short design (1-side),
damping in one direction, see Fig. 41-4

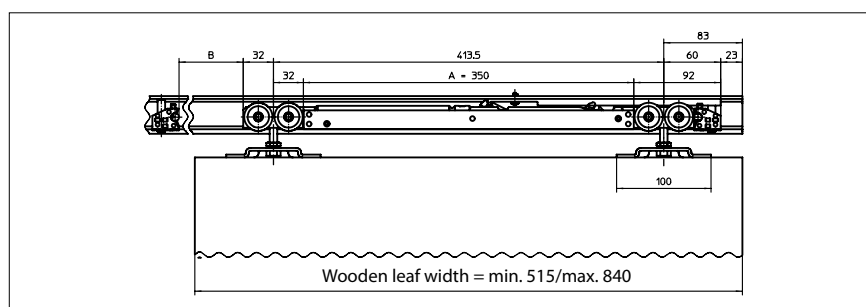


Fig. 41-3

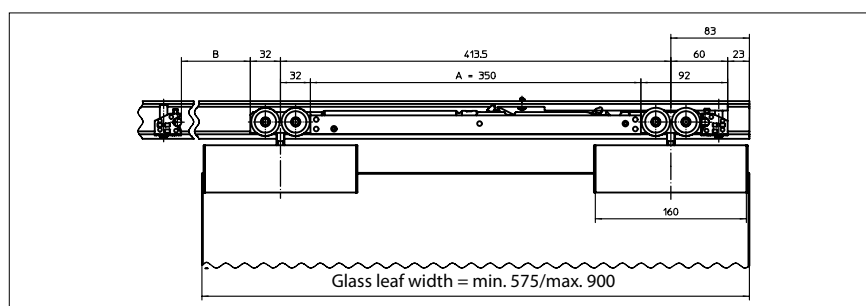


Fig. 41-4

INSTALLATION DRAWING

Drawing No. 10421-ep36

GEZE GGS all-glass systems

GEZE all-glass systems (GGS) are used on automatic and manual door systems with horizontally moved door leaves.

DESIGN FEATURES

- Stylish, hand polished stainless steel point supports
- The track mounting for wall and ceiling (guide track) ensure flexible use in all rooms.
- Height of glass point supports can be adjusted

TECHNICAL PRODUCT FEATURES

- Permanently quiet running due to two internal precision ball bearings per roller carriage, track design and large dimension rollers
- Track made of anodised light metal alloy reduces abrasion
- Easy wall or ceiling mounting
- Distance between the door leaf and wall is adjustable
- Freely adjustable glass floor guide for different glass thicknesses
- Tested to EN 1527:1998
- Class 2 corrosion resistance

APPLICATION AREAS

- For living areas and offices
- For single and multi-leaf sliding doors
- For room and cupboard doors
- As a partition and as privacy screening

STANDARD VERSION

Track for direct ceiling mounting, optionally with angle bracket for wall mounting, 2 roller carriages with suspension bolts, 2 carrier plates, floor guide, 2 tubular buffers, hold-open spring, 2 stainless steel GGS point supports

SPECIAL VERSION

A curved version of the Perlan track with stainless steel finish is also available on request.

GEZE PERLAN 140 GGS – ORDER INFORMATION

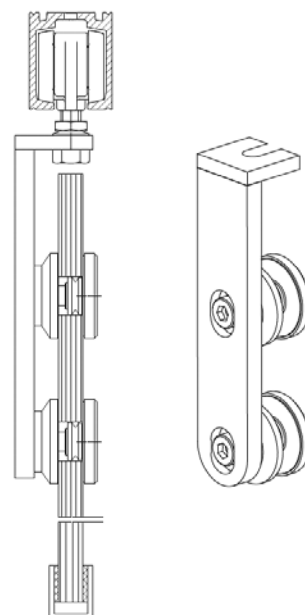
Description	ID No.
Perlan 140 GGS set Glass 8 mm, 10 mm, 12 mm	127961
Perlan 140 GGS set Wood 15 mm - 50 mm, config.	127962



GEZE Perlan 140 GGS - wall mounting



GEZE Perlan 140 GGS - ceiling mounting



GEZE PERLAN 140 GGS

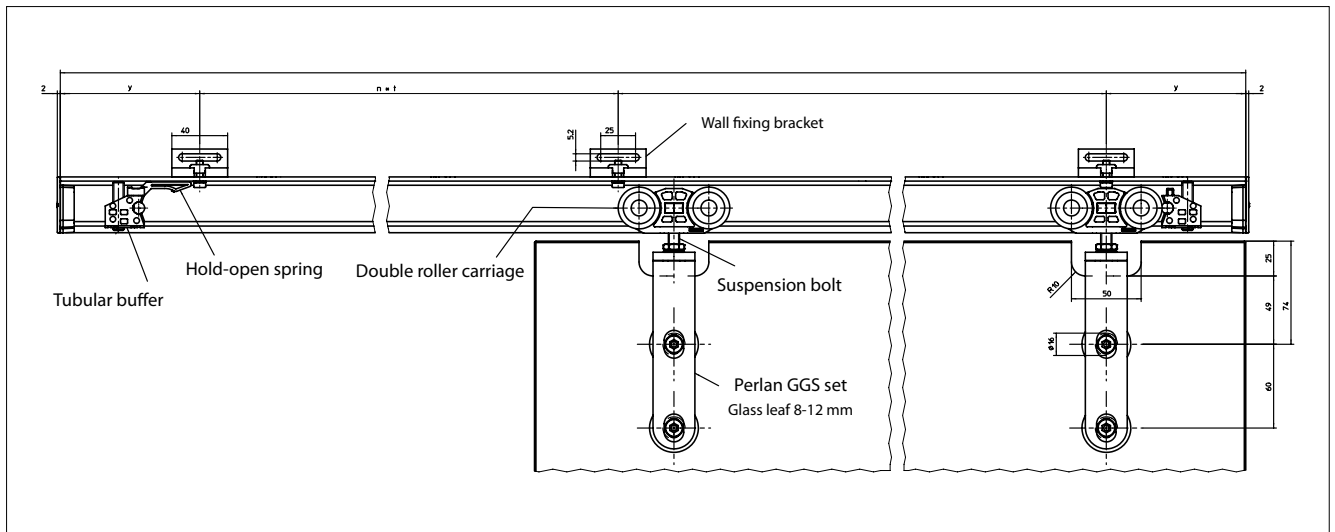


Fig. 43-1

MOUNTING THE PERLAN GGS WITH GLASS LEAF

Mounting of the GEZE Perlan 140 GGS on a single leaf sliding door with glass leaf (manual) is shown in Fig. 43-1.

The fitting can be fixed directly onto the ceiling or onto the wall using an angle bracket, see Fig. 43-2

INSTALLATION DRAWING

Drawing No. 10417-ep32

NOTE:

Removable panels must be installed at wall recesses to make them accessible.
In addition to the tubular buffer, the door leaf must be stopped by an angle buffer.
Attach buffer half-way up the door!

KEY

- L = Track length (mm)
- $n * t$ = Attachment clearance (mm)
- y = Clearance (mm)
from end of track to centre of drillhole for the angle bracket
- PH = Pane height (mm)
- PW = Pane width
- OH = Overall height (mm)
- OW = Opening width (mm)

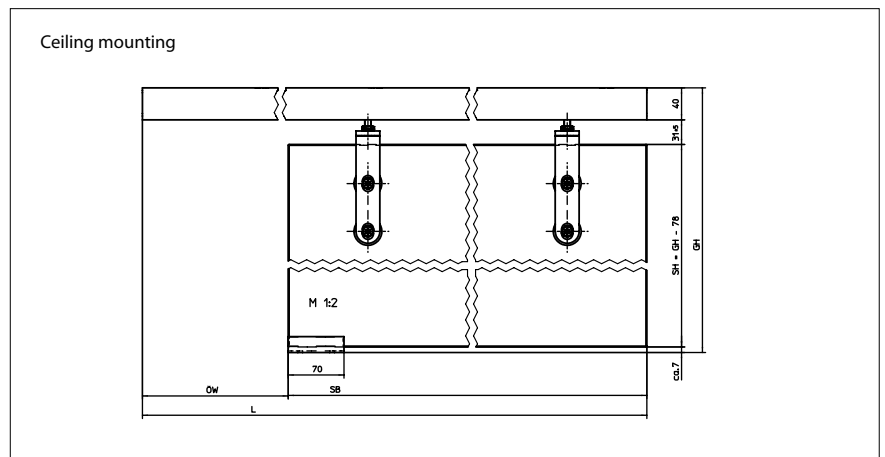


Fig. 43-2

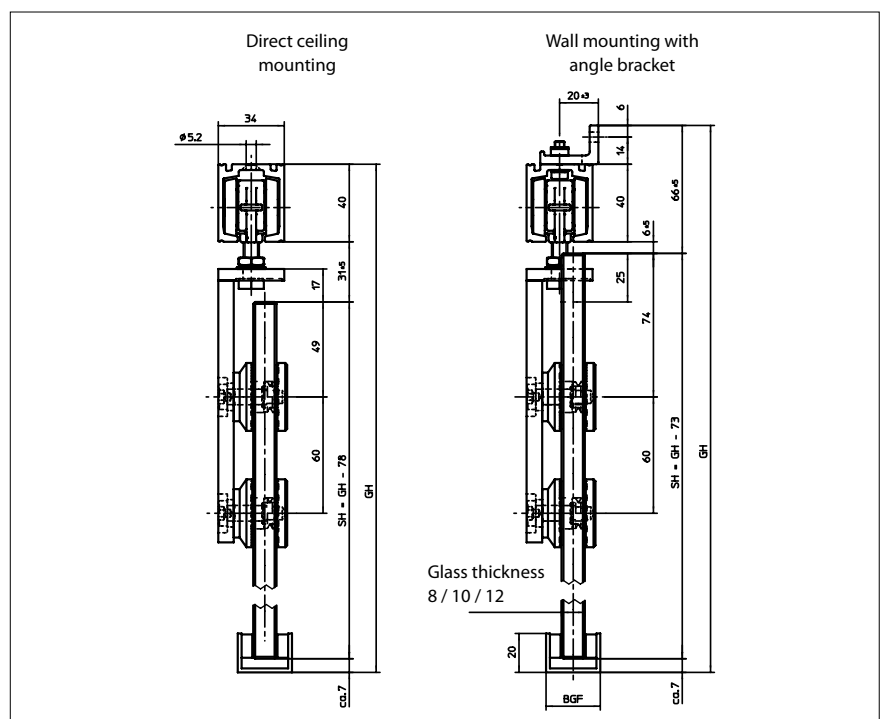


Fig. 43-3

GEZE PERLAN 140 GGS**MOUNTING THE PERLAN GGS WITH WOODEN LEAF (MANUAL)**

The fitting for wooden leaves 15 - 50 mm thick can be fixed directly onto the ceiling or onto the wall using an angle bracket, see Fig. 44-1

INSTALLATION DRAWING

Drawing No. 10421-ep31

MOUNTING THE PERLAN GGS WITH FIXED PANEL

Mounting of the GEZE Perlan 140 GGS with fixed panel is shown in Fig. 44-2, 44-3 and 44-4.

INSTALLATION DRAWING

Drawing No. 10421-ep35

NOTE:

In addition to the tubular buffer, the door leaf must be stopped by an angle buffer. Attach buffer half-way up the door!

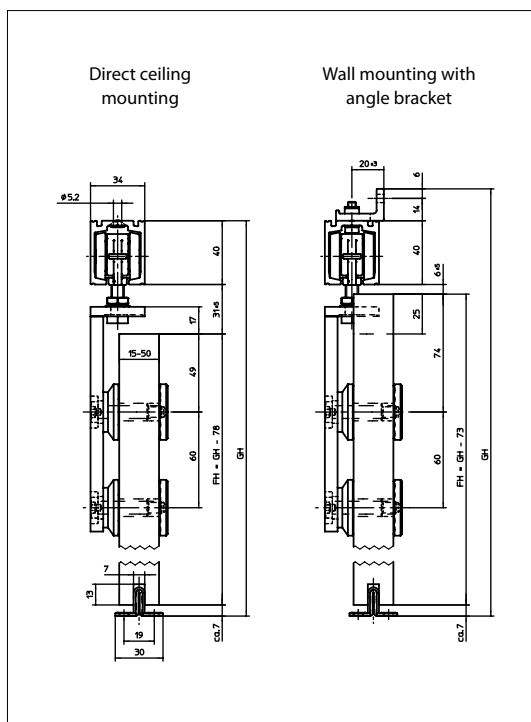


Fig. 44-1

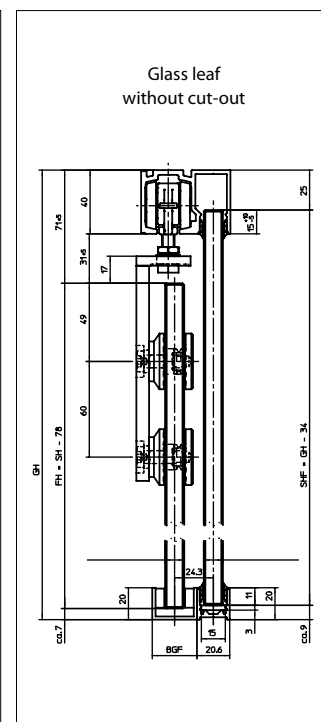


Fig. 44-2

KEY

- L = Track length (mm)
- n * t = Attachment clearance (mm)
- y = Clearance (mm) from end of track to centre of drillhole for the angle bracket
- PH = Pane height (mm)
- PW = Pane width
- OH = Overall height (mm)
- OW = Opening width (mm)

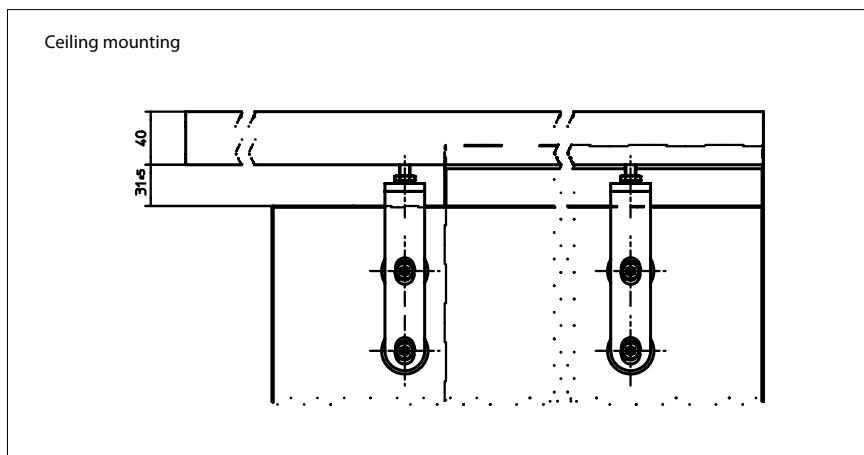


Fig. 44-3

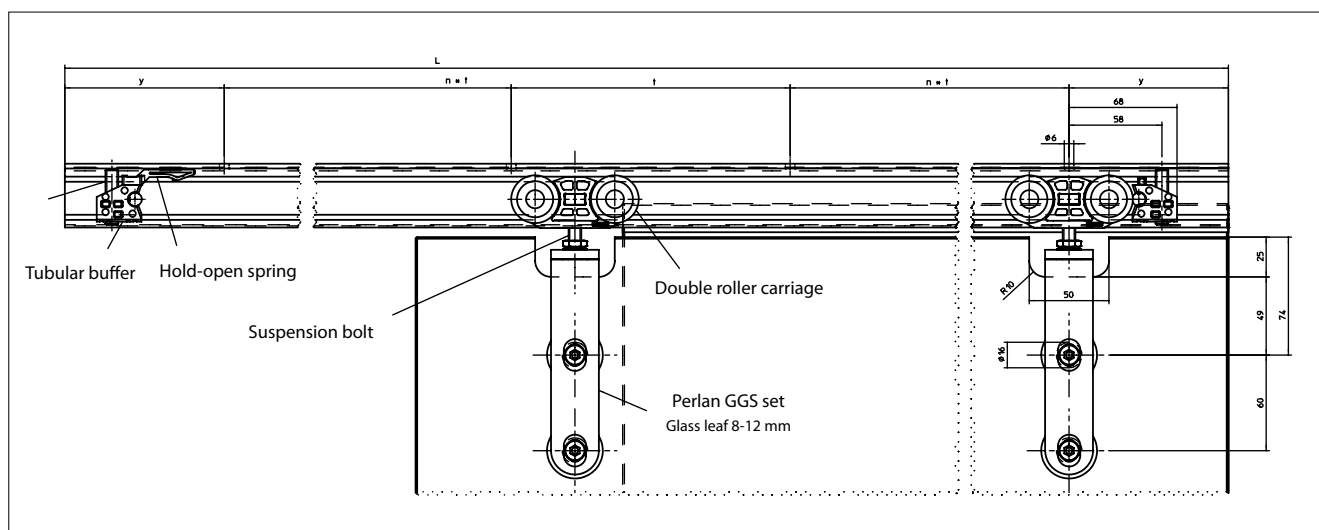


Fig. 44-4

GEZE PERLAN – ORDER INFORMATION

Description	Design	ID No.
Complete set: GEZE Perlan 140 sliding door fitting complete with accessories (incl. wall fixing bracket)	Leaf width:	51-70 cm 119336
		71-90 cm 119337
		91-110 cm 119338
		111-130 cm 119339
		131-150 cm 119340
		151-170 cm 119351
Complete set: GEZE Perlan 140 sliding door fitting complete with accessories (without wall attachment bracket)	Leaf width:	51-70 cm 119352
		71-90 cm 119353
		91-110 cm 119354
		111-130 cm 119355
		131-150 cm 119356
		151-170 cm 119357
Individual parts: Perlan 140 track	Length:	1250 mm 120124
		1650 mm 120127
		2050 mm 120130
		2450 mm 120131
		2850 mm 120132
		3250 mm 120134
		6000 mm 120135
Perlan 140 track, cut to size		120139
Perlan 140 track, curved		120420
Wall fixing bracket		119318
Ceiling fixing bracket		119315
GEZE Perlan 140 accessory set without wall attachment bracket	Leaf width:	51-170 cm 119361
GEZE Perlan 140 accessory set with wall attachment bracket	Leaf width:	51-90 cm 119358
		91-130 cm 119359
		131-170 cm 119360
Perlan KS accessory set without wall attachment bracket	Leaf width:	51-170 cm 119510
Perlan KS accessory set with wall attachment bracket	Leaf width:	51-90 cm 119507
		91-130 cm 119508
		131-170 cm 119509
GEZE glass connection patch		see page 34
GEZE SoftStop draw-in damping mechanism		see page 36
GEZE GGS all-glass systems		see page 38
Adjustable glass floor guide		120417
Perlan DuoSync set		112837
DuoSync glass adapter		120435
Perlan AUT set		120434
Perlan AUT set for synchronous systems		123003
Perlan end cap		119649
Tubular buffer		119362
Hold-open spring		064242
Adjustable hold-open device		069274
Angle buffer		000339
Concealed (recessed) carrier plate for wooden doors		120432
Clip-on screen for ceiling mounting	EV1, 6 m	120991
	EV1, cut to size	120437
	RAL, cut to size	120436
Clip-on screen for wall mounting	EV1, 6 m	120966
	EV1, cut to size	120440
	RAL, cut to size	120439
Clip-on screen side cover set, ceiling mounting	EV1	119483
Clip-on screen side cover set, wall mounting	EV1	119484
Screen fixings (5 pcs. per set)		122928
Spacers for ceiling mounting (20 pcs. per set)		122943
Clip-on screen, wall mounting	completely configurable	122938
Clip-on screen, ceiling mounting	completely configurable	122939

GEZE Levolan

The stainless steel designer fittings for all-glass sliding doors

With its compact dimensions, GEZE Levolan provides an almost invisible clamping fitting for single, multiple and synchronous all-glass doors. The pane is guided directly in the fitting – the suspension parts are therefore virtually invisible, omitting the need for additional covers. The linear design adapts to suit the design and layout of any environment.

PRODUCT FEATURES

- Track only 63 mm high
- Clamping jaws enable glass elements to be installed without glass processing or machining
- The high-quality bearings and maintenance-free running system ensure smooth and quiet movement of the glass elements with minimum effort

APPLICATION AREAS

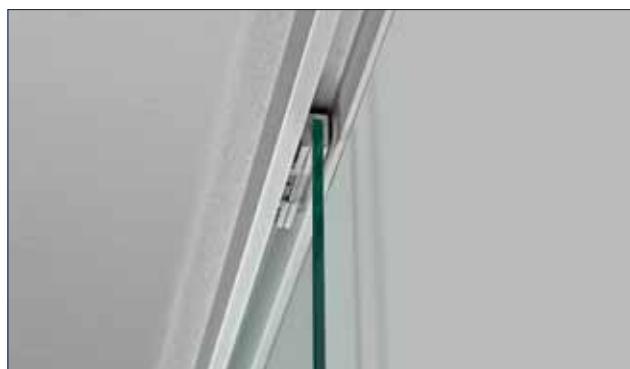
- For toughened safety glass elements 8, 10 and 12 mm up to a weight of 150 kg
- For single and double leaf systems, can also be used in synchronous operation
- With or without fixed panel
- For wall or ceiling mounting
- Can also be installed in confined spaces

SPECIAL VERSION

- All visible parts are available with a stainless steel finish

KEY

- TL = Track length
 LB = Clear width
 DP = Door projection (recommendation: 30 mm)
 SB = Pane width
 DW1 = Door handle – wall spacing (door closed)
 DW2 = Door handle – wall spacing (door open)
 PD = Push-bar diameter
 MW = Masonry opening width
 S = Glass width, side piece



Classification to EN 1527:1998 (see page 7)

Levolan								
-	6	3	0	-	2	-	1	3

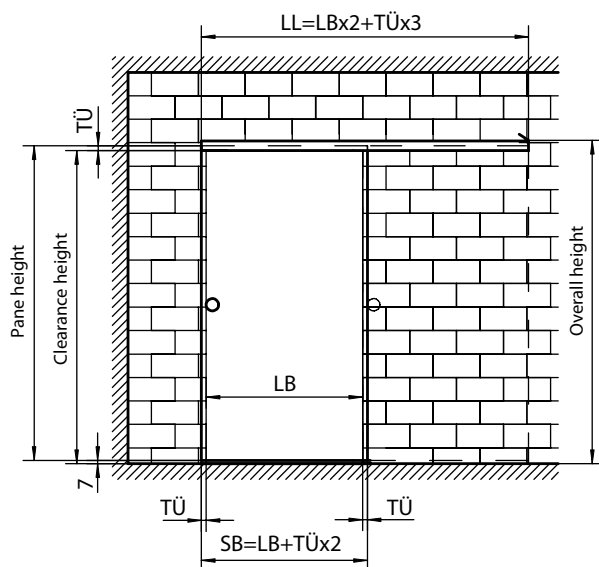
GEZE LEVOLAN – ORDER INFORMATION

Description		Design		ID No.
Levolan set – configuration		on request		129257
Levolan wall mounting set	Track length:	1650 mm	EV1	129122
		2050 mm	EV1	129123
		2450 mm	EV1	129124
Levolan ceiling mounting set	Track length:	1650 mm	EV1	129130
		2050 mm	EV1	129131
		2450 mm	EV1	129132
Levolan wall mounting set	Track length:	1650 mm	anodised stainless steel	129125
		2050 mm	anodised stainless steel	129126
		2450 mm	anodised stainless steel	129127
Levolan ceiling mounting set	Track length:	1650 mm	anodised stainless steel	129133
		2050 mm	anodised stainless steel	129134
		2450 mm	anodised stainless steel	129135

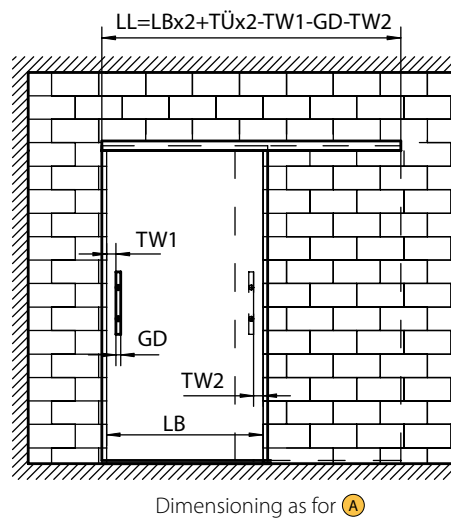
GEZE LEVOLAN – PLANNING DRAWINGS

Drawing No. 10901-PL-01, 10901-PL-02 (with fixed panel) and 10901-PL-036 (vertical sections)

A Wall mounting with recessed handle

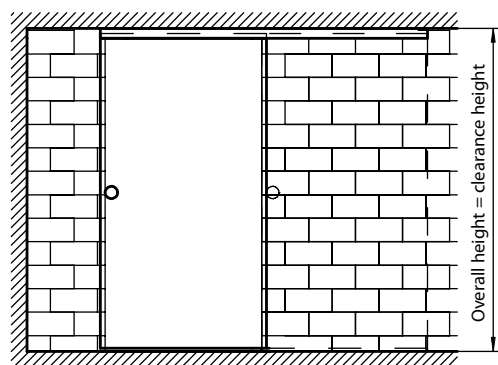


B Wall mounting with push-bar



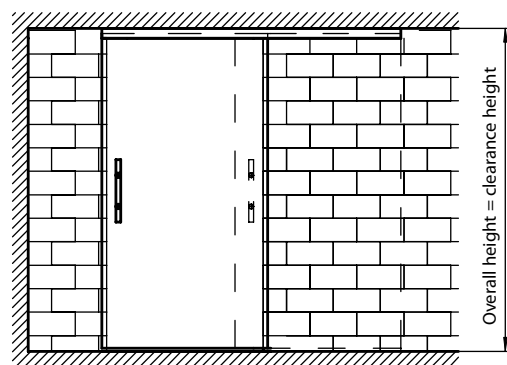
Dimensioning as for **A**

C Ceiling mounting with recessed handle



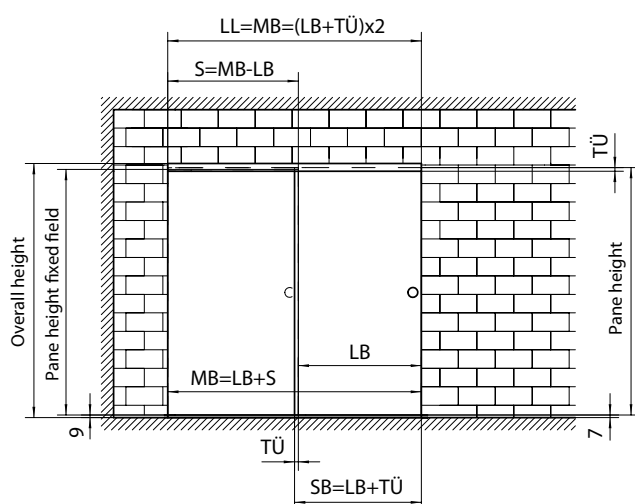
Dimensioning as for **A**

D Ceiling mounting with push-bar

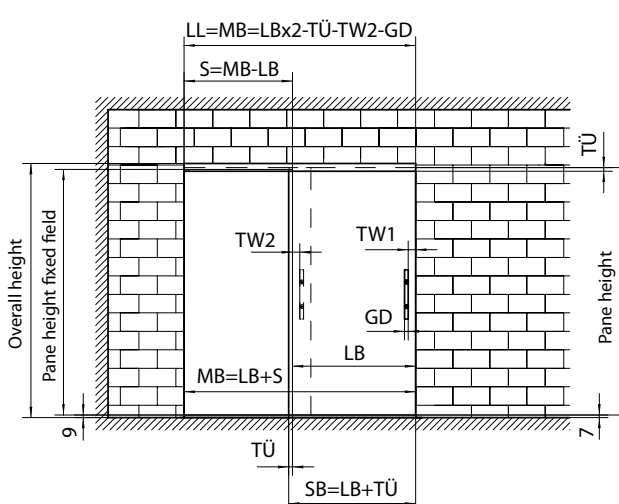


Dimensioning as for **A**

Levolan with fixed panel and recessed handle



Levolan with fixed panel and push-bar



GEZE LEVOLAN – MOUNTING VARIATIONS

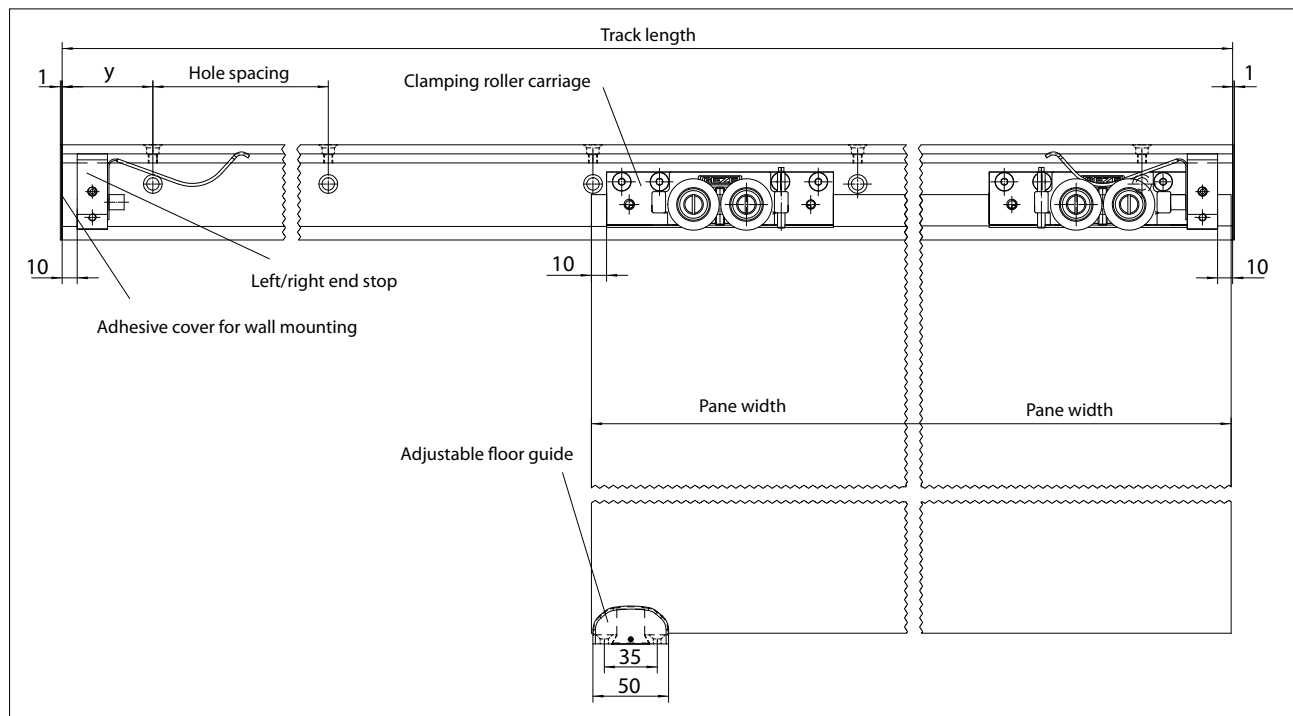


Fig. 48-1

LEVOLAN WALL MOUNTING

Example of wall attachment of the Levolan glass clamping roller carriage, see Fig. 48-1 and 48-2

INSTALLATION DRAWING

Drawing No. 10901-ep01

KEY

y = Clearance from end of track to centre of first drill hole

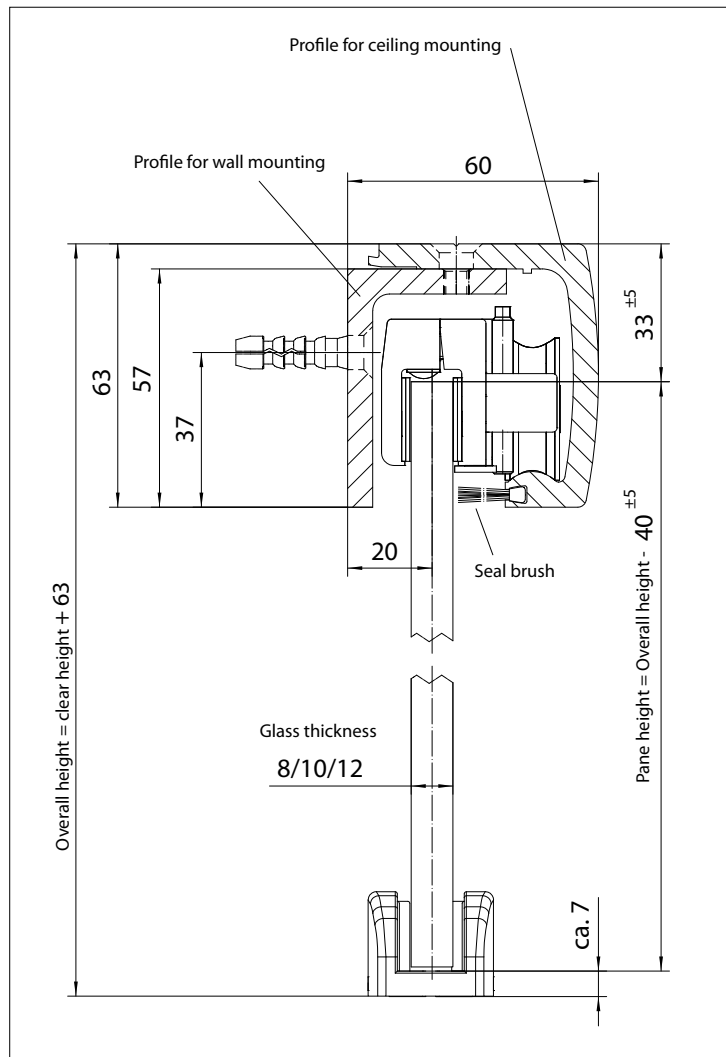


Fig. 48-2

GEZE LEVELAN – MOUNTING VARIATIONS

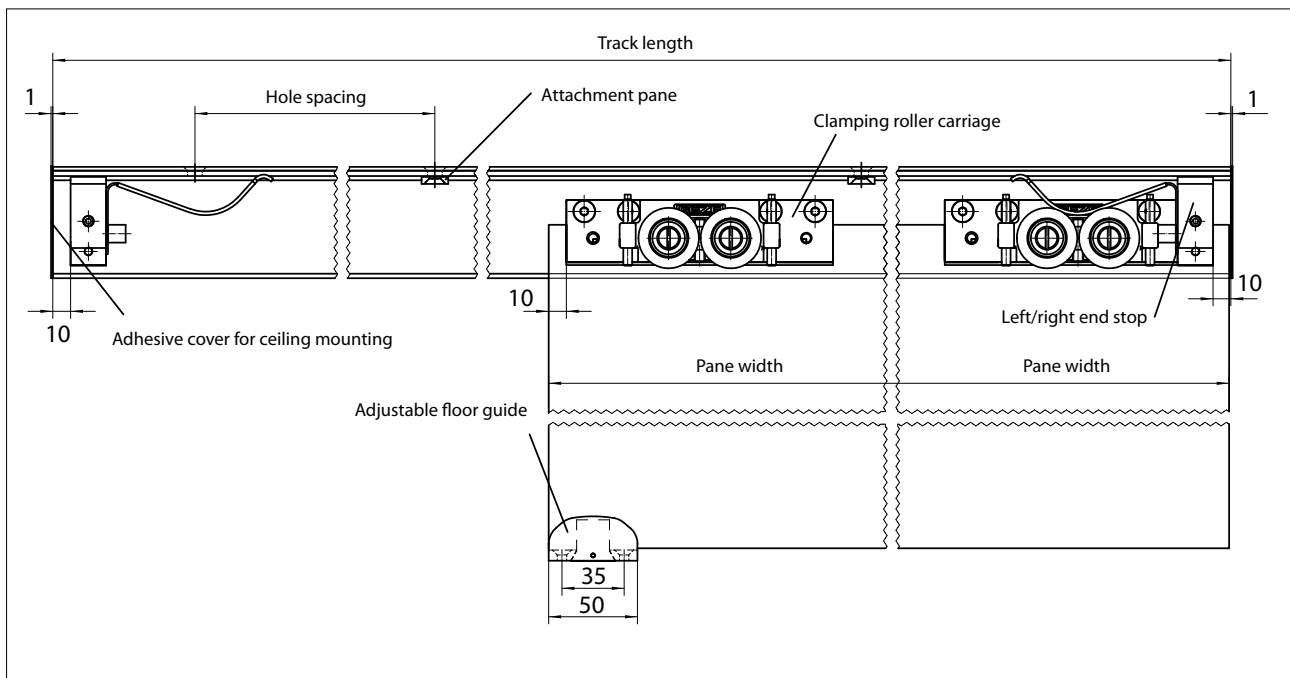


Fig. 49-1

LEVELAN CEILING MOUNTING

Example of ceiling mounting of the Levelan glass clamping roller carriage, see Fig. 49-1 and 49-2

INSTALLATION DRAWING

Drawing No. 10901-ep02

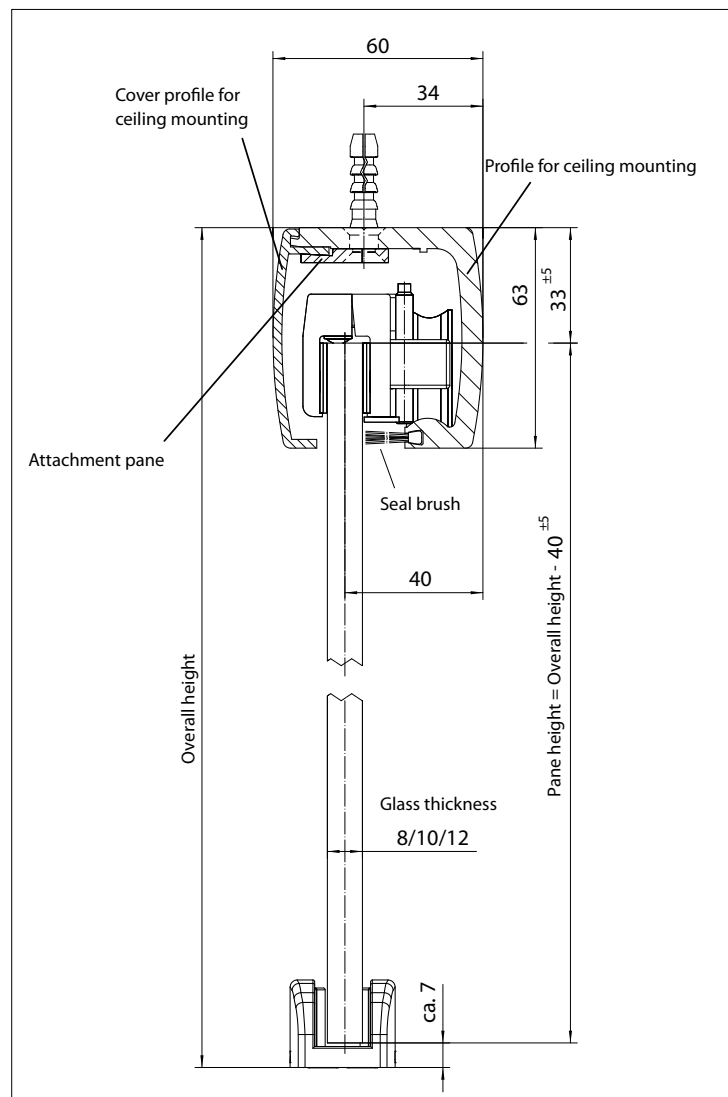


Fig. 49-2

GEZE LEVOLAN – MOUNTING VARIATIONS

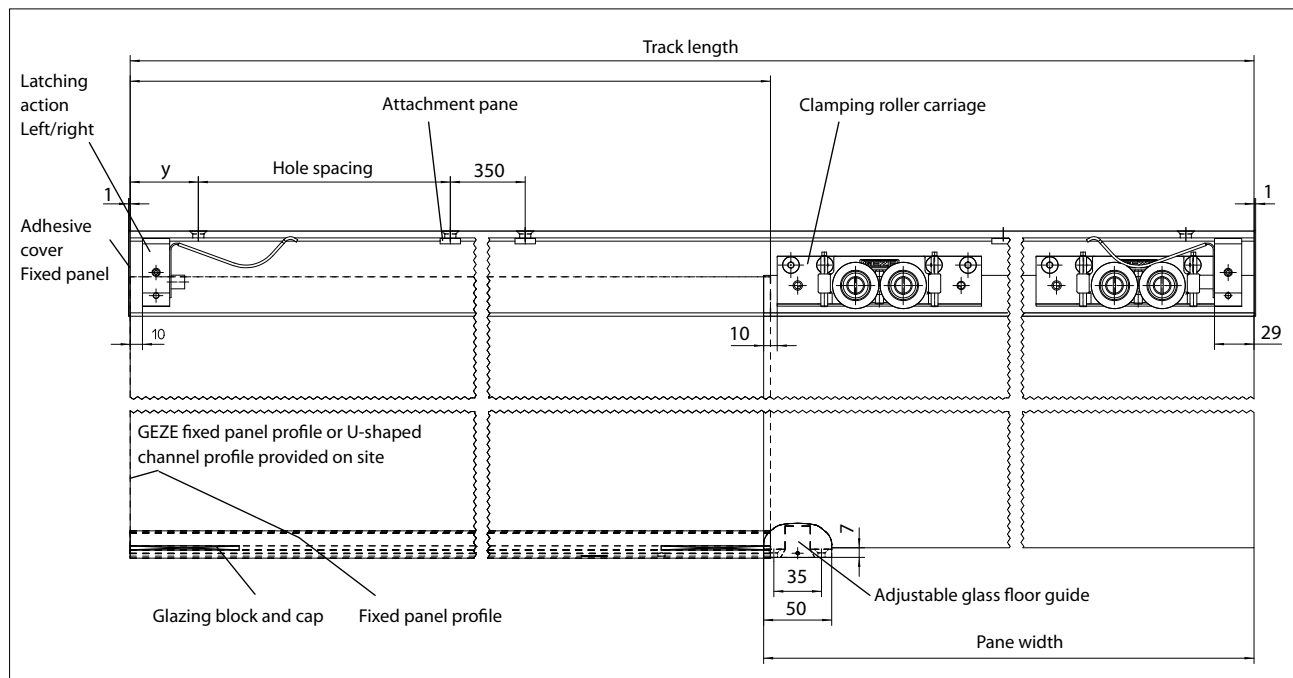


Fig. 50-1

LEVOLAN WALL MOUNTING

Example of wall mounting of the Levolan glass clamping roller carriage with fixed panel, see Fig. 50-1 and 50-2

Profile for fixed panel cover and for fixed panel installation, see Fig. 50-3

INSTALLATION DRAWING

Drawing No. 10901-ep03

KEY

y = Clearance from end of track to centre of first drill hole

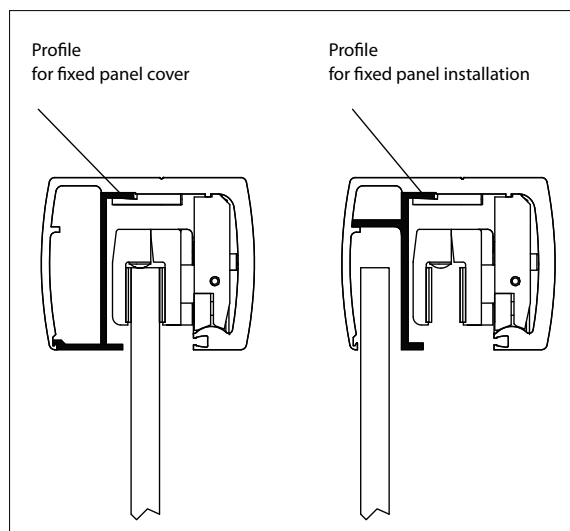


Fig. 50-3

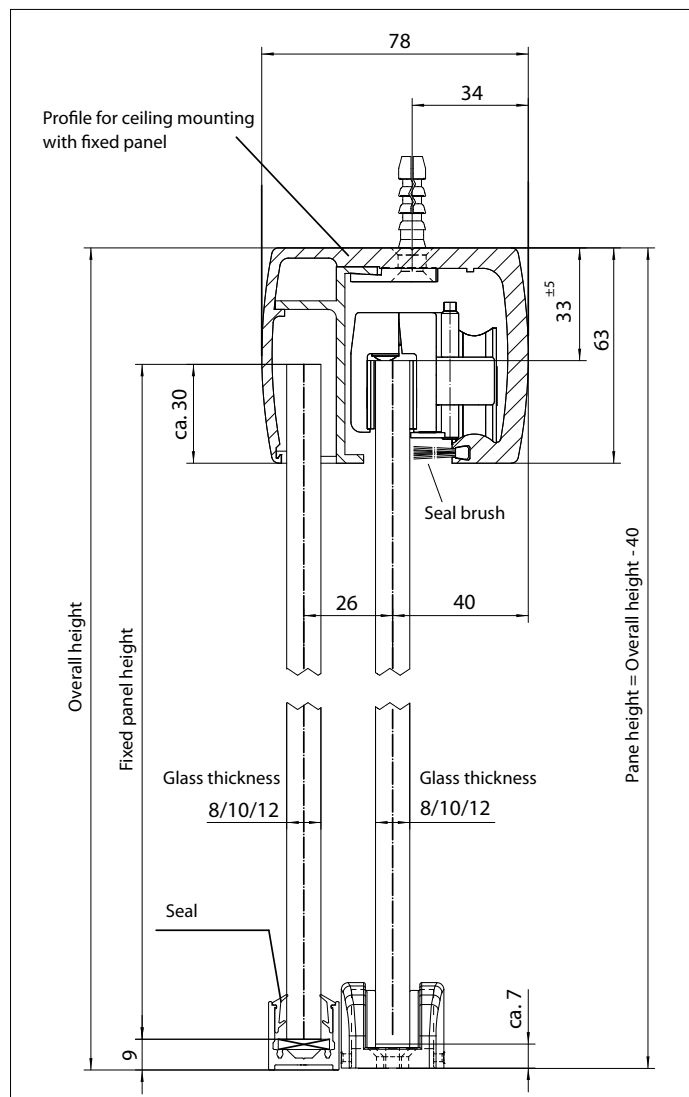


Fig. 50-2

GEZE Aerolan

The stainless steel designer fittings for wall and ceiling

Aerolan is a high-quality stainless steel designer fitting for use with manual glass and wooden sliding doors in offices and the home. It combines technology and functionality with filigree design. The high-quality material of the track and the plastic contact surfaces of the rollers ensure smooth, safe and virtually silent opening and closing with the smallest effort.

PRODUCT FEATURES

- Due to the small dimensions of the rollers, there is enough space for mounting even where ceilings are low.
- Track fixings for wall and ceiling
- The track is made of solid material, the ends are flat turned ends and chamfer.
- The door leaf holder, 35 mm in diameter, contributes to an optimum clamping area.
- The lift-out safety device can be precisely adjusted using a pop-up screw. It consists of a plastic roller and can be guided under the track with millimetre precision. This enables the rolling property of the sliding door to be individually adjusted.
- A play-free floor guide is available for every glass thickness (toughened safety glass 8/10/12 mm). It is made of wear-free needle felt and is therefore extremely quiet.
- The high-quality plastic running surfaces of the rollers enable extreme running quietness with minimum effort.

APPLICATION AREAS

- For sliding doors and elements, indoors and outdoors
- For door leaf weights up to 105 kg
- For living areas and offices



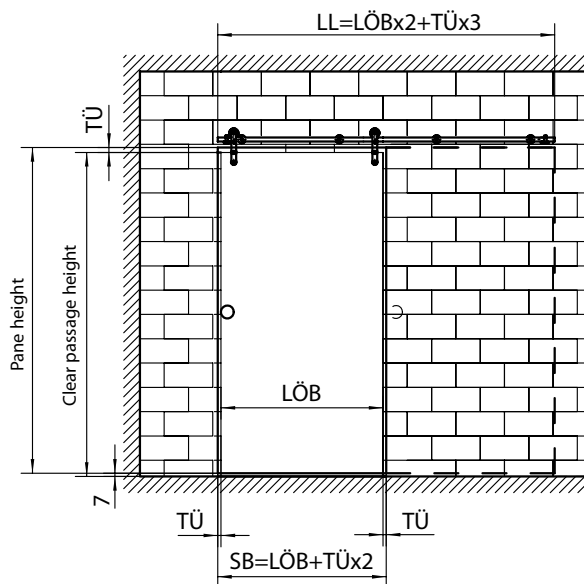
GEZE AEROLAN – ORDER INFORMATION

Description			Design	ID No.
Aerolan set – configuration			on request	127837
Aerolan wall mounting set	Leaf width:	750-950 mm	Track length:	1880 mm
		950-1190 mm		2295 mm
Aerolan ceiling mounting set				122581
Stainless steel floor guide			for toughened	8 mm
			safety glass:	10 mm
				12 mm
Floor guide for wooden sliding doors				002191

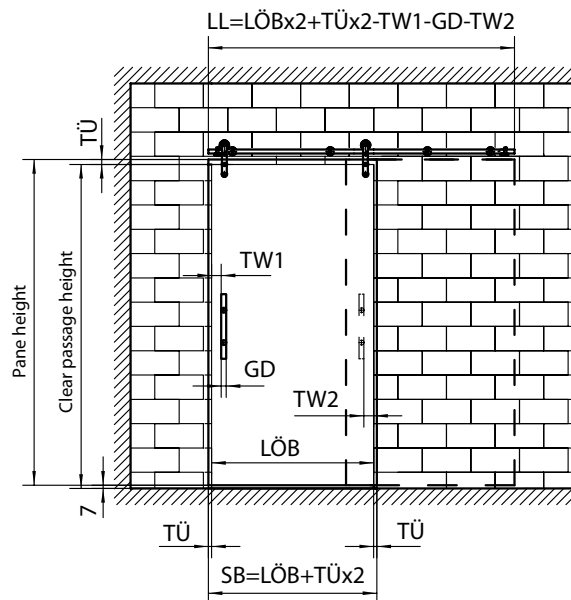
GEZE AEROLAN – PLANNING DRAWINGS

Drawing No. 10801-PL-01 and 10801-PL-02 (vertical sections)

Wall mounting with recessed handle



Wall mounting with push-bar



The following table applies to the Aerolan set:

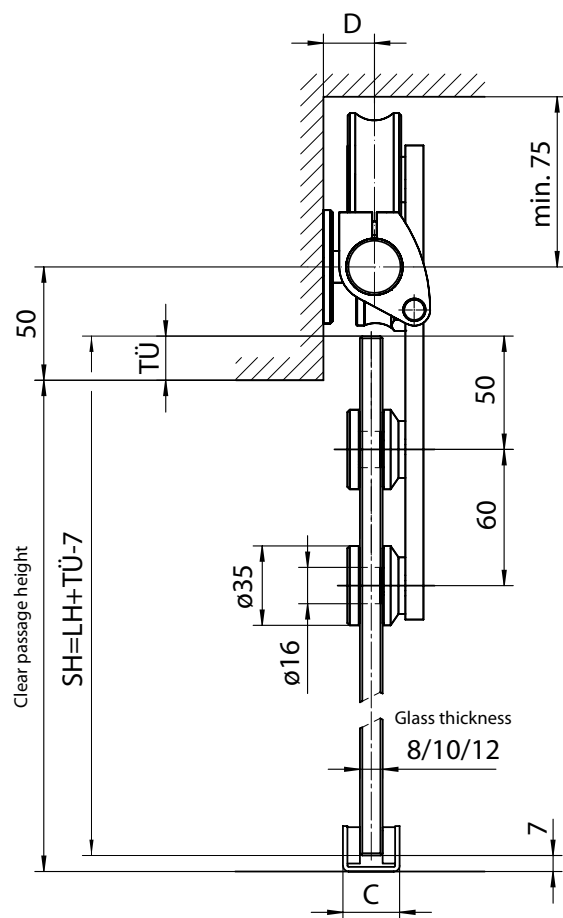
Glass	8 mm	10 mm	12 mm
Di- men- sion	D 17.5 mm	26.5 mm	37.5 mm

The following applies to mass-produced systems:

Glass	8 mm	10 mm	12 mm
Di- men- sion	C 24 mm	26 mm	28 mm
D	min. 17.5 mm – max. 51 mm		

KEY

- LL = Track length
 COW = Clear opening width
 DP = Door projection (recommendation: 20 mm)
 SB = Pane width
 DW1 = Door handle – wall spacing (door closed)
 DW2 = Door handle – wall spacing (door open)
 PD = Push-bar diameter
 PH = Pane height



GEZE AEROLAN – MOUNTING VARIATIONS

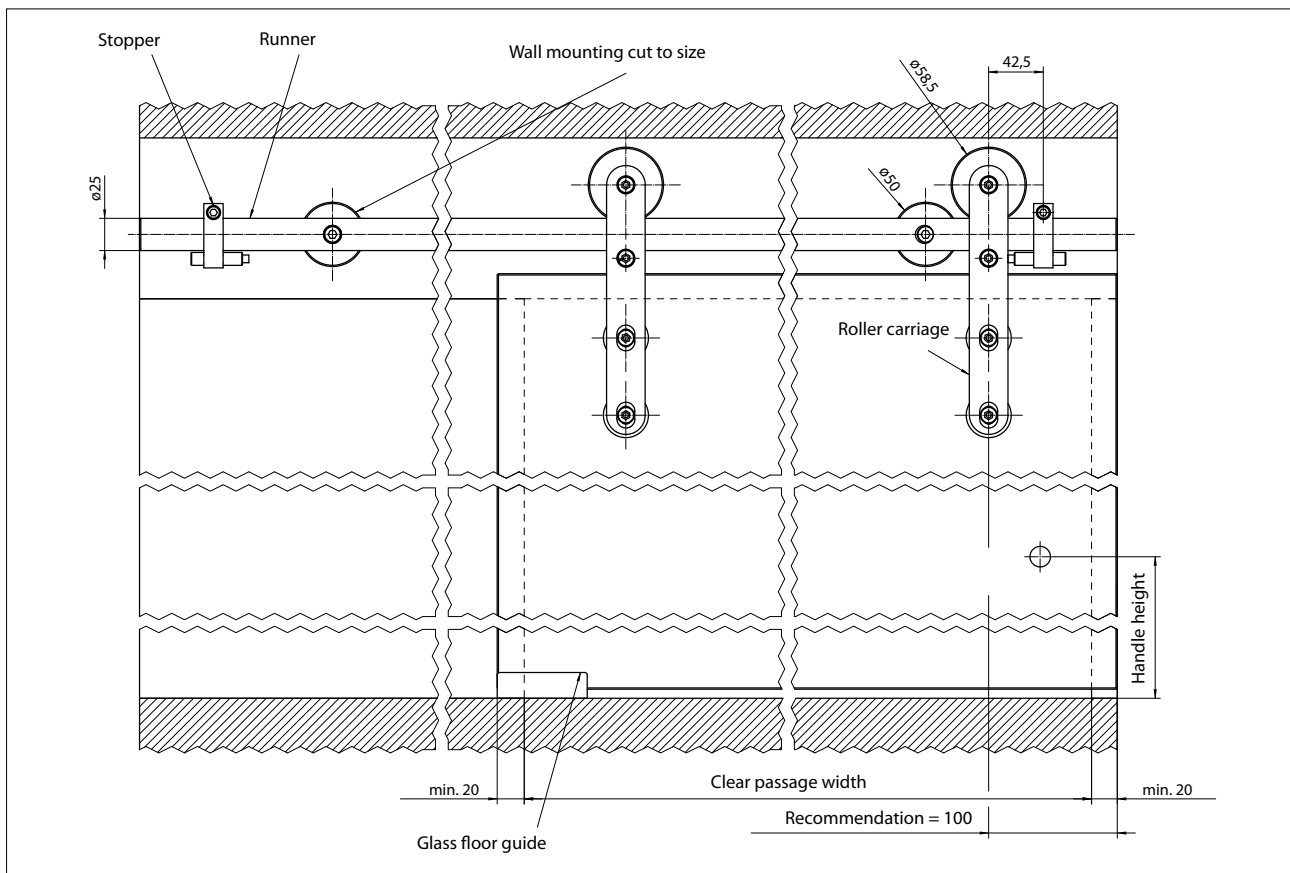


Fig. 53-1

AEROLAN WALL MOUNTING

Example of wall mounting of the Aerolan stainless steel designer fitting, see Fig. 53-1 and 53-2

INSTALLATION DRAWING

Drawing No. 10801-EP-01

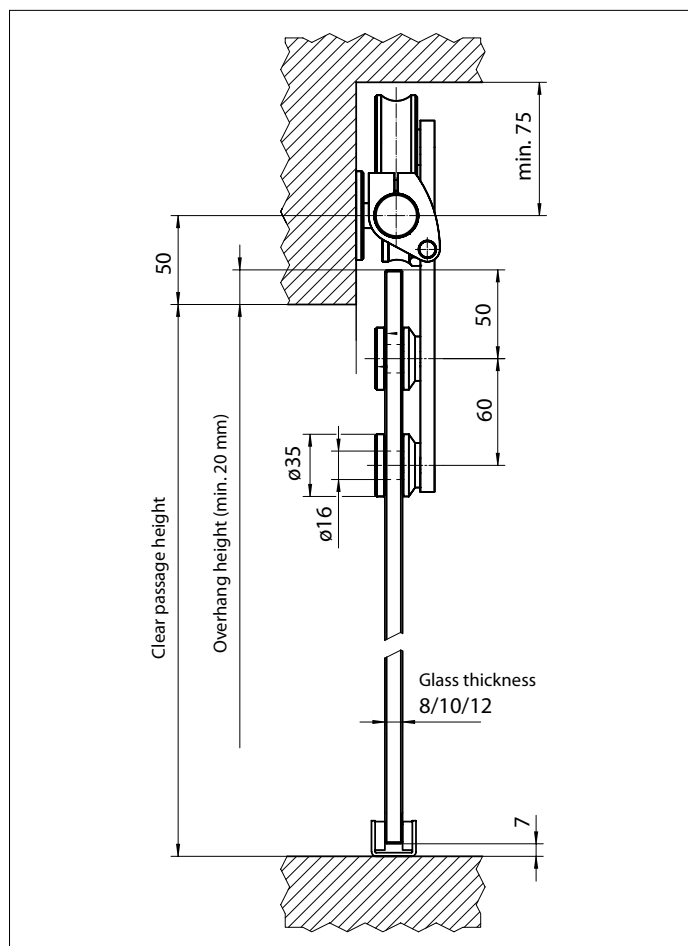


Fig. 53-2

GEZE AEROLAN – MOUNTING VARIATIONS

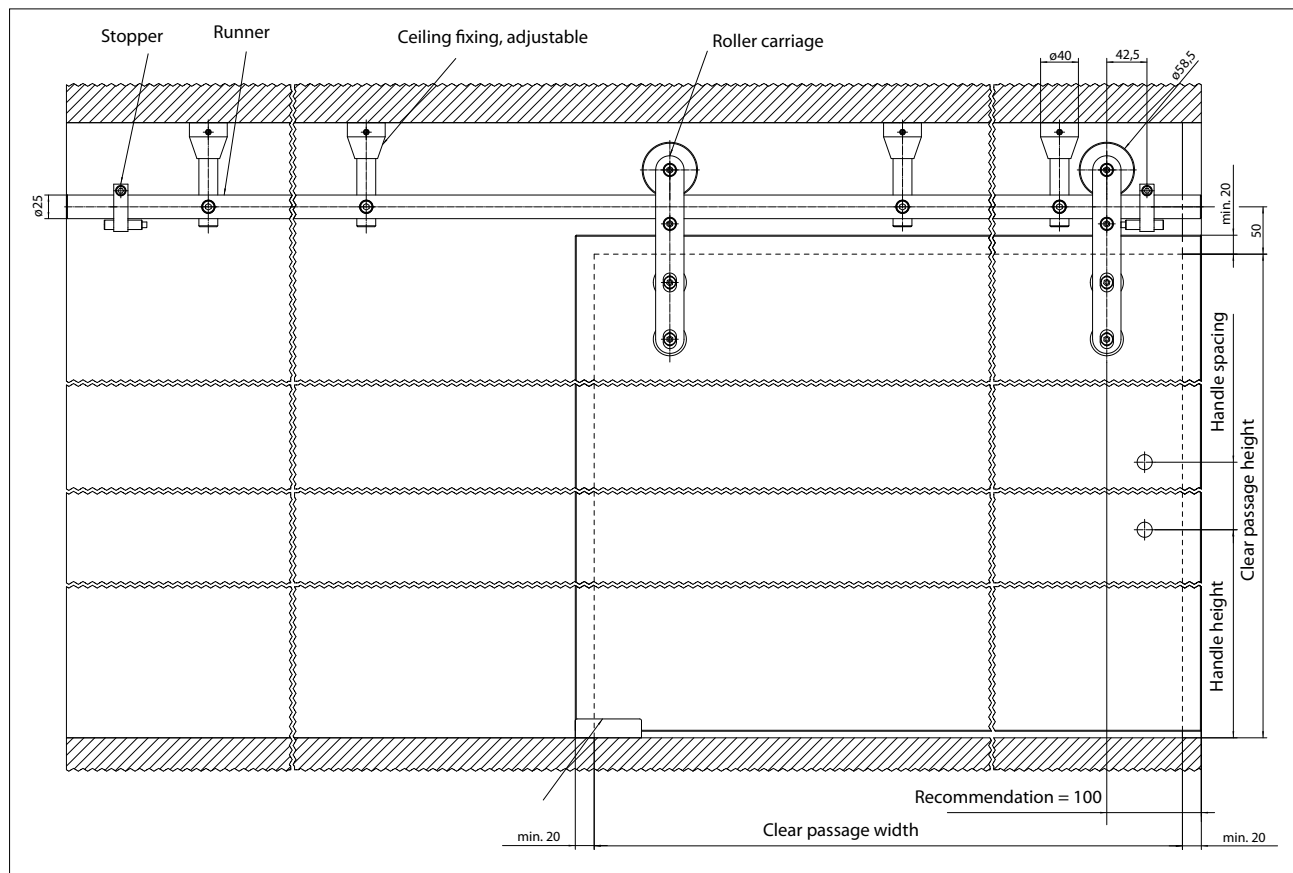


Fig. 54-1

AEROLAN CEILING MOUNTING

Example of ceiling mounting of the Aerolan stainless steel designer fitting, see Fig. 54-1 and 54-2

INSTALLATION DRAWING

Drawing No. 10801-EP-02

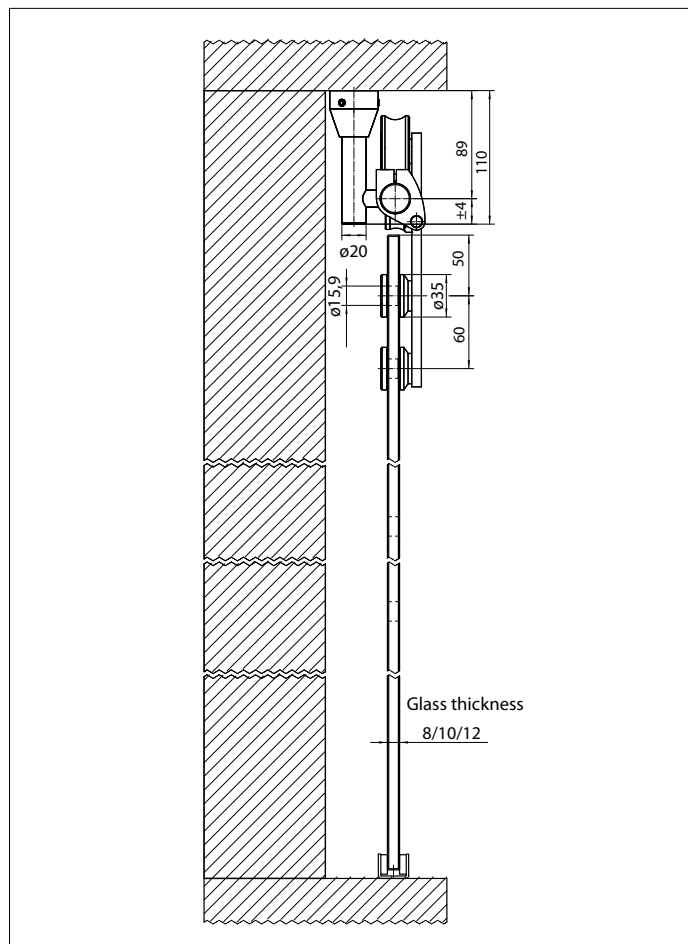


Fig. 54-2

GEZE Geolan

The stainless steel designer fittings for glass and wood surfaces down to floor level

The Geolan produces an impressive visual effect. Freely visible rollers on a floor runner enables the use of glass surfaces right down to floor level. The upper guide rail for wall and ceiling installation enables flexible use. Geolan is thus ideal for fast and simple modernisation of spaces.

PRODUCT FEATURES

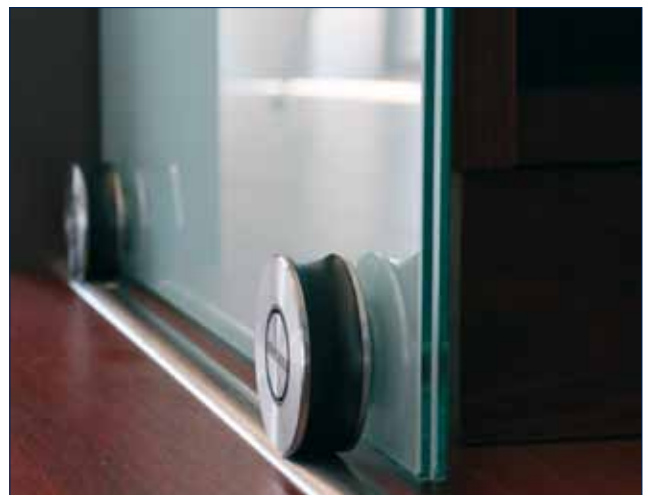
- The high-quality fitting with classic, appealing design combines aesthetics and function
- The track mounting for wall and ceiling (guide track) ensure flexible use in all rooms.
- The whole weight of the sliding door is carried by the track on the floor. The designer fitting can therefore also be used in areas in which it is not possible to suspend the doors from the ceiling, e.g. if the ceilings are not load-bearing.
- The high-quality plastic running surfaces of the rollers enable extreme running quietness with minimum effort.

APPLICATION AREAS

- For sliding doors and elements, indoors and outdoors
- For door leaf weights up to 135 kg
- Can also be used with suspended ceilings, as the load is carried away through the floor
- For living areas and offices

PRODUCT FEATURES OF THE GEOLAN SOFTSTOP

- For door leaf weights up to 75 kg
- The Geolan SoftStop can be used as a standard on one-side for 515–1700 mm wide doors and on both sides for 800–1700 mm wide doors. Other sizes can be implemented as part of a project.
- The technology is completely concealed in the top guide profile and therefore combines perfected technology with high design standards.



GEZE GEOLAN – ORDER INFORMATION

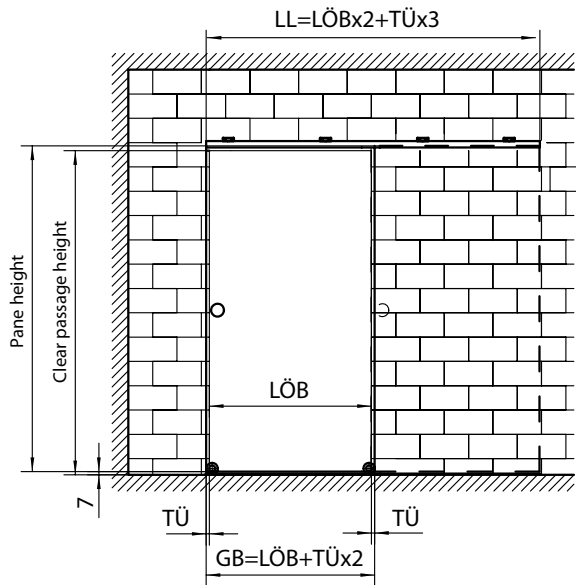
Description		ID No.
Geolan ceiling mounting set	screwed 10 mm	121392
	glued 10 mm	119409
Geolan wall mounting set	screwed 10 mm	123250

Project solutions available on request

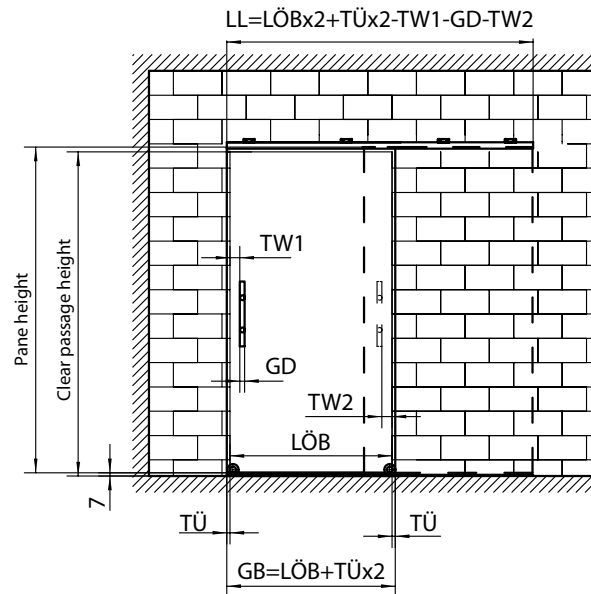
GEZE GEOLAN – PLANNING DRAWINGS

Drawing No. 10801-PL-04 and 10801-PL-05 (vertical sections)

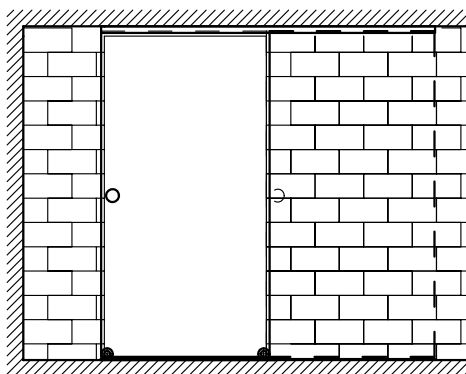
A Wall mounting with recessed handle



B Wall mounting with push-bar

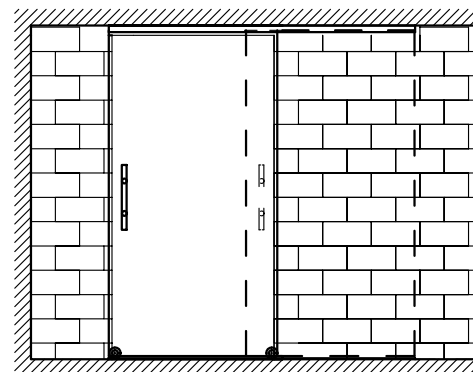


C Wall mounting with recessed handle



Dimensioning as for **A**

D Ceiling mounting with push-bar



Dimensioning as for **B**

KEY

- LL = Track length
- COW = Clear opening width
- DP = Door projection (recommendation: 20 mm)
- DW1 = Door handle – wall spacing (door closed)
- DW2 = Door handle – wall spacing (door open)
- PD = Push-bar diameter

GEZE GEOLAN – MOUNTING VARIATIONS

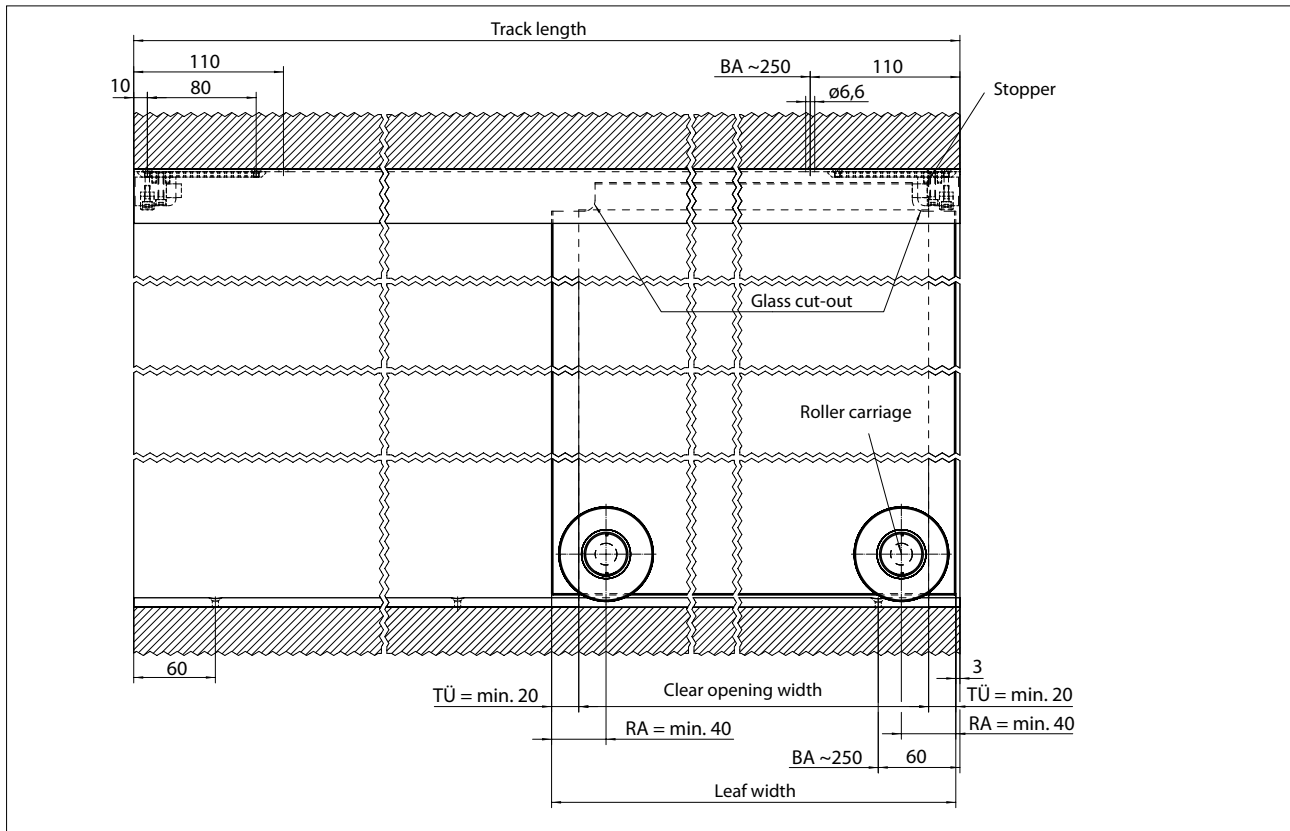


Fig. 57-1

GEOLAN CEILING MOUNTING

Example of the ceiling mounting of the Geolan stainless steel designer fitting for 10/12 mm glass, see Fig. 57-1 and 57-2

INSTALLATION DRAWING

Drawing No10801-EP-03 and 10801-EP-04
(for minimum door leaf thickness 15 mm)

KEY

- DO = Door leaf overhang (door closed)
- RG = Roller carriage clearance – side glass edge
- HT = Hole spacing of the track fixings

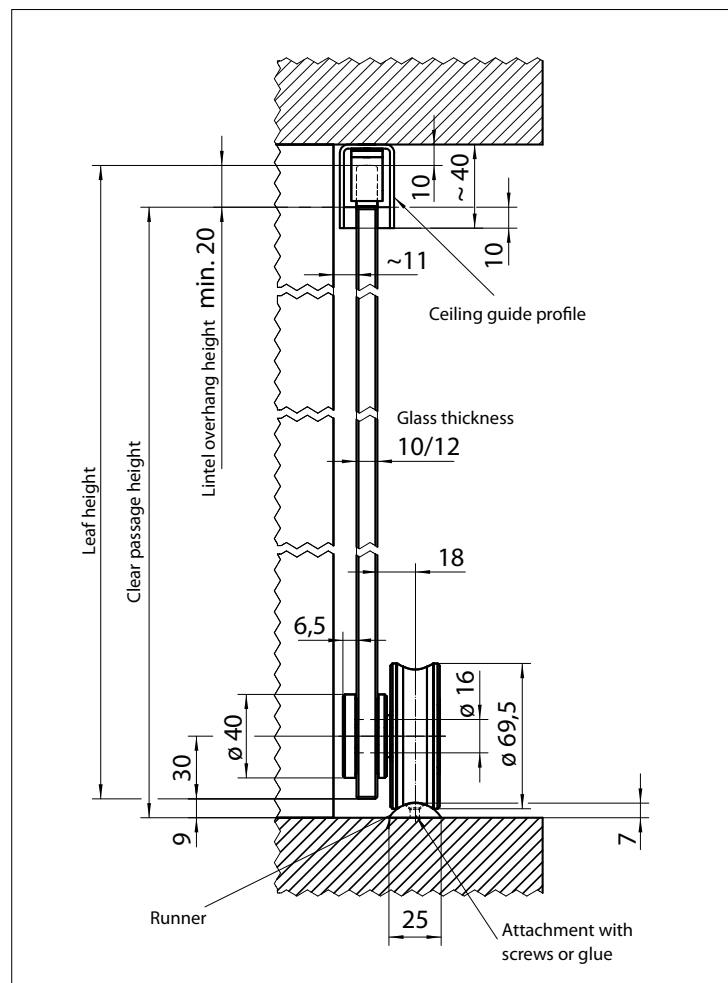


Fig. 57-2

Technical drawing of a roller shutter door assembly. The drawing shows a side view of the door with dimensions and labels for components.

Dimensions:

- Track length: 150
- Top left section: 10, 80
- Top right section: $BA \approx 250$, 150
- Bottom left section: 60
- Bottom right section: 3, 60
- Clear opening width: $TÜ = \text{min. } 20$
- Leaf width: $BA \approx 250$
- Internal dimensions: 21, 32
- Roller diameter: $\varnothing 6,6$
- Roller carriage: $RA = \text{min. } 40$

Labels:

- Wall attachment bracket
- Stopper
- Glass cut-out
- Roller carriage

Technical drawing of a door or window assembly, showing dimensions and components. The drawing is oriented vertically.

Dimensions:

- Clear passage height
- Leaf height
- Lintel overhang height min. 20
- 4
- ~ 11
- 10
- ~ 40
- ~ 60
- 6,5
- 18
- 9
- 30
- Ø 40
- Ø 16
- Ø 69,5
- 7
- 25

Components and Labels:

- Ceiling guide profile
- Glass thickness 10/12
- Runner
- Attachment with screws or glue

58 | GEZE DOOR TECHNOLOGY AND GLASS SYSTEMS

GEZE Vetroslide

The glass sliding door system for maximum transparency

The new Vetroslide glass sliding door system is a real innovation. Vetroslide was awarded the renowned "reddot Design Award" even as soon as it was launched on the market. Minimalism in favour of maximum transparency is the technical and artistic approach. The stainless steel track is made up of a point-fixed "glass fin". The sliding leaves have filigree point-fixed rollers that take on the function of the roller carriage. The door leaf glides almost silently into the required position and is reliably held on track by a floor guide.

PRODUCT FEATURES

- ① The ball-bearing supported stainless steel rollers with their plastic contact surface slide almost silently over the glass.
- ② Underneath the track, the carrier rollers fulfil the function of a lift protection and protect the sliding leaf against damages.
- ③ In addition to the highest possible transparency, the point-fixed glass track offers also the requested safety due to its sandwich structure.
- ④ The maximum fin length of 2500 mm gives a maximum clear passage width of 1000 mm. The point-fixed glass fin carries the sliding door and fanlight, see Fig. 47-1.

APPLICATION AREAS

- For toughened or laminated safety glass sliding door leaf
- Max. leaf weight 80 kg
- Max. fin length 2500 mm
- The system's modular construction opens up almost unlimited design possibilities for both private homes and the interior design of e.g. office buildings, hotels, surgeries or sales rooms.

Vetroslide systems are not available "off the peg". Each system is tailored to meet the individual requirements. However, GEZE offers for this system a wide range of prepared and already statically tested variations. The all-glass fittings can be easily and quickly pre-mounted.



reddot design award
winner 2009

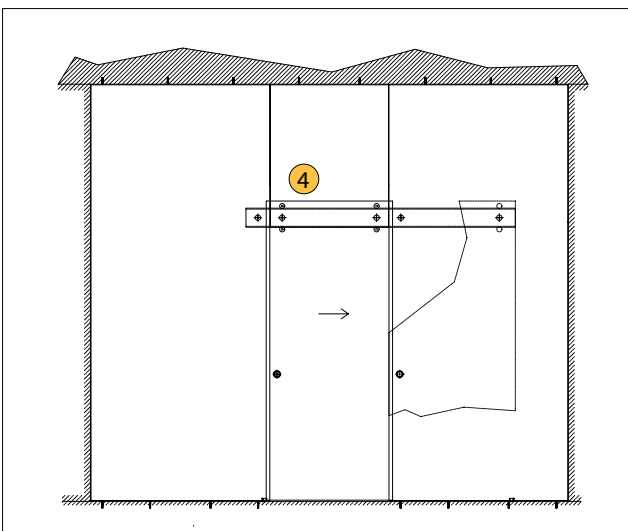


Fig. 59-1

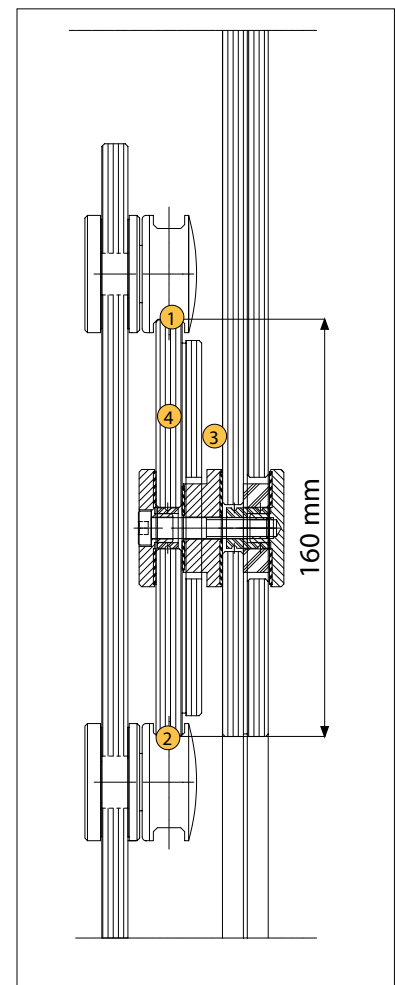


Fig. 59-2

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