GEZE Perlan 140

### A wide range of applications with individual accessories

The unobtrusive design supports any desired effect and turns the sliding system with its wide range of accessories into a guarantee for elegant and customised solutions. Even heavy doors are child's play to open. The Perlan 140 provides long-term quiet running due to two precision ball bearings per roller carriage, track design and large carrier rollers. The interior, sealed ball bearings provide corrosion protection for slightly humid interiors, making them suitable even for bathroom doors. The track in anodised alloy material reduces abrasion and also provides increased corrosion protection. The profile has no awkward edges, and all the accessory parts run in the track making Perlan 140 just perfect for installation in visible areas. The distance between the leaf and the wall can be adjusted using the wall attachment bracket, which permits the door to be adjusted to individual situations, e.g. for precise installation of the track where masonry is uneven.

There are numerous complete sets available for a wide range of different applications. These always include all the parts necessary for setting up the sliding door: tracks in different lengths as well as matching fixing brackets e.g. for wall installation, roller carriages, carrier plates, tube buffers and floor guide. Alternatively, the track (length 6 m or cut to size) and the accessories can be ordered separately. The track is also available in a curved version on request.

GEZE Perlan 140

GEZE Perlan 140
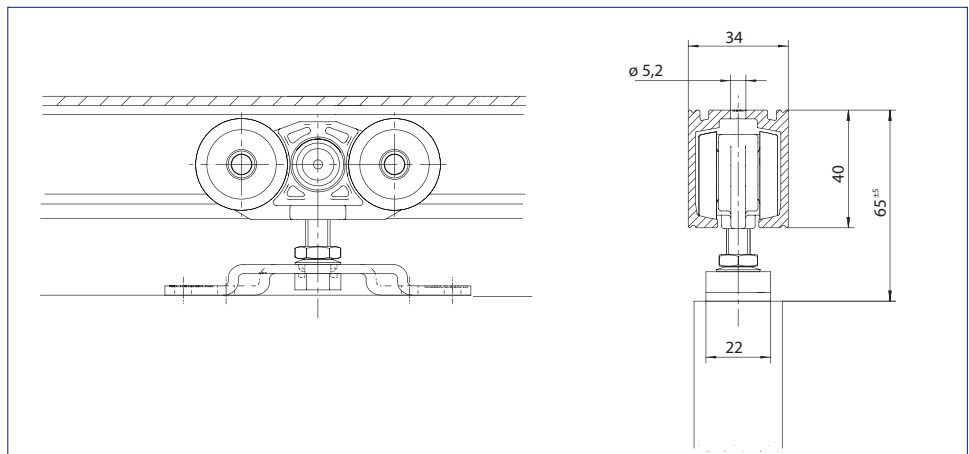
Application range

- For wood, plastic, glass and metal leaves up to 140 kg leaf weight
- Diverse additional parts are available for glass doors, e.g. glass clamping plate, fixed panel holders or GGS holders
- For all single, multi-leaf and synchronous sliding doors
- Straightforward, direct ceiling mounting or mounting using brackets on wall and ceiling
- The smooth running and use of high-quality materials as well as the quality workmanship make it especially suitable for doors in highly frequented residential and office areas

Technical data

Product features	GEZE Perlan 140
Door material	Wood, Plastic, Metal, Glass
Leaf weight (max.)	140 kg
Corrosion protection class	2
Type of installation	Wall installation, Ceiling installation
Telescope	●
Automated	●
Fixed panel	●
Draw-in damping	● max. 80 kg

● = YES

Classification according to EN 1527:2013

GEZE Perlan 140								
Category of use	Durability	Door weight	Fire resistance	Safety	Corrosion resistance	Security	Category of door	Initial friction
-	6	3	-	1	2	-	1	3

A DESCRIPTION OF THE CLASSES IS GIVEN AT THE END OF THE CATALOGUE.

Standard width in mm

Leaf width (FB)	Track length (L)	Hole spacing (t)	Number of wall and ceiling brackets (x)	Distance from end of track to centre of hole of fixing bracket (y)
500 - 840	1650	350	5	125
500 - 1040	2050	350	6	150
500 - 1240	2450	350	7	175
500 - 1440	2850	350	9	25
500 - 1640	3250	350	10	50
Standard length	6000	350	18	25

GEZE PERLAN 140

Note

The wall recesses must be made accessible by a removable cover. The door leaf must be stopped by a further angle buffer – in addition to the tube buffer. The buffer must be attached at the mid door height!
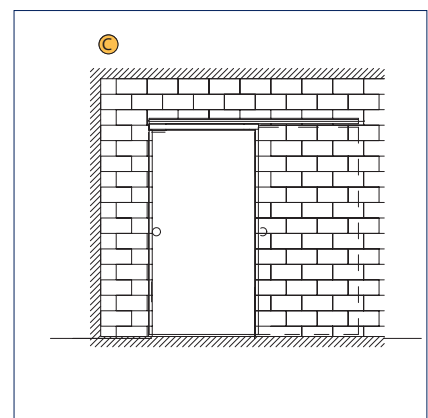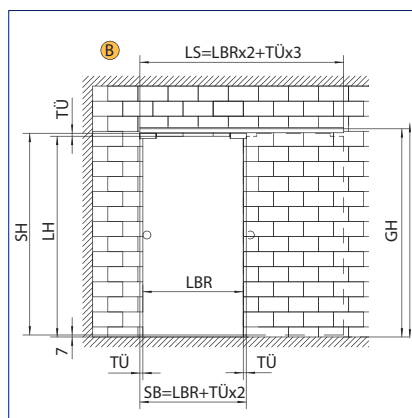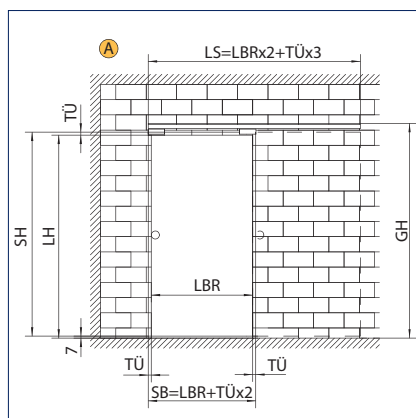
Planning drawings

Drawing No. 10421-pl-01 + 10421-pl-03 (vertical sections)

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

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

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

Note: Position of the glass clamping plate changes if SoftStop is used, see planning drawing No. 10421-pl-12.
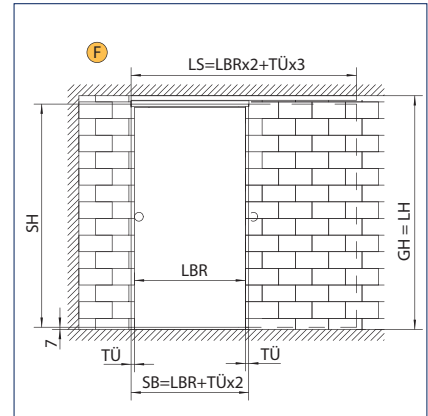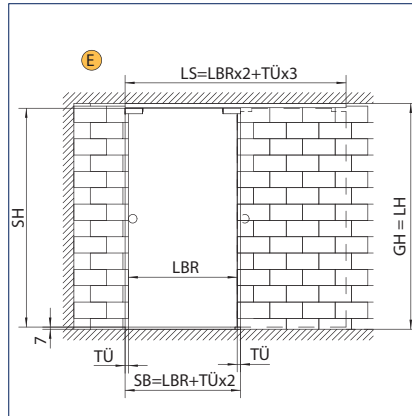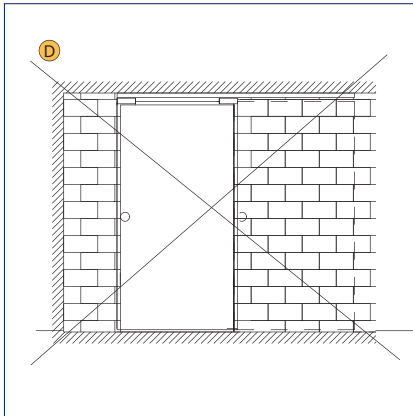

Dimensioning as with A

SH	=	Panel height
LH	=	Clear height
LS	=	Track length
LBR	=	Clear width
TÜ	=	Door protrusion
GH	=	Total height
SB	=	Panel width
TW1	=	Door handle - wall clearance (door closed)
TW2	=	Door handle - wall clearance (door opened)
GD	=	Diameter of handle bar

D = Perlan 140 with glass clamping plate, recessed handle, individually covered, without glass cut-outs, with ceiling connection (not recommended because of glass gap)

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

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

Note: Position of the glass clamping plate changes if SoftStop is used, see planning drawing No. 10421-pl-12.

Dimensioning as with F
LS = Track length
LBR = Clear width
TÜ = Door protrusion
SH = Panel height
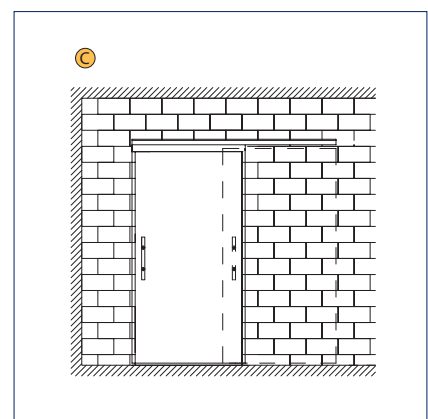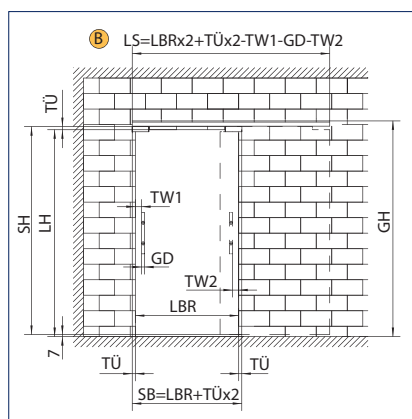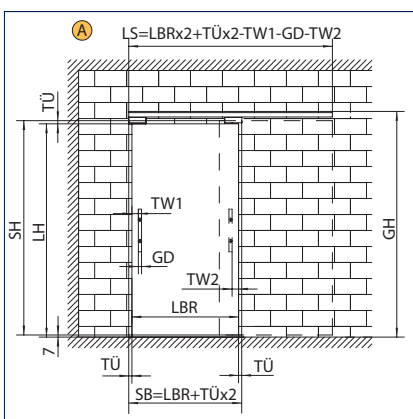SB = Panel width
GH = Total height
LH = Clear height

Drawing No. 10421-pl-02 + 10421-pl-03 (vertical sections)

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

B = Perlan 140 with glass clamping plate, with pull handle, individually covered, with glass cut-outs

C = Perlan 140 with glass clamping plate, with pull handle, individually covered, with glass cut-outs

Note: Position of the glass clamping plate changes if SoftStop is used, see planning drawing No. 10421-pl-13.

LS   =   Track length
LBR   =   Clear width
TÜ   =   Door protrusion
TW1   =   Door handle - wall clearance (door closed)
TW2   =   Door handle - wall clearance (door opened)
GD   =   Diameter of handle bar
SH   =   Panel height
LH   =   Clear height
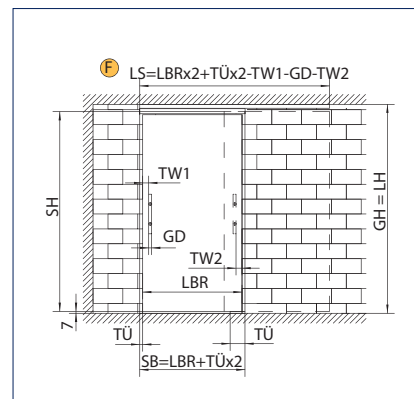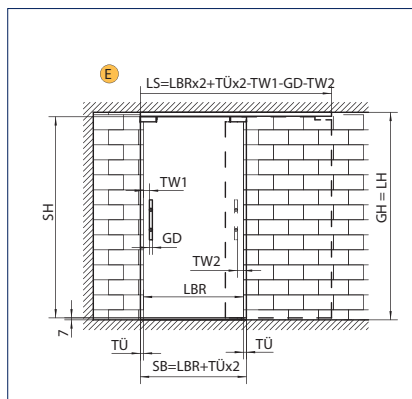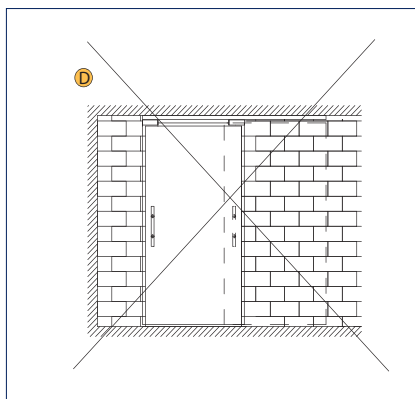SB   =   Panel width
GH   =   Total height

Drawing No. 10421-pl-01 + 10421-pl-03 (vertical sections)

D = Perlan 140 with glass clamping plate, with pull handle, individually covered, without glass cut-outs, with ceiling connection (not recommended because of glass gap)

E = Perlan 140 with glass clamping plate, with pull handle, individually covered, with glass cut-outs, with ceiling connection

F = Perlan 140 with glass clamping plate, with pull handle, continuously covered, without glass cut-outs, with ceiling connection

Note: Position of the glass clamping plate changes if SoftStop is used, see planning drawing No. 10421-pl-13.

Dimensioning as with F

LS	=	Track length
LBR	=	Clear width
TÜ	=	Door protrusion
TW1	=	Door handle - wall clearance (door closed)
TW2	=	Door handle - wall clearance (door opened)
GD	=	Diameter of handle bar
SH	=	Panel height
LH	=	Clear height
GH	=	Total height
SB	=	Panel width

Standard installation

Drawing No. 10421-ep05

Mounting on a 1-leaf sliding door with wooden leaf and carrier plate (manual):
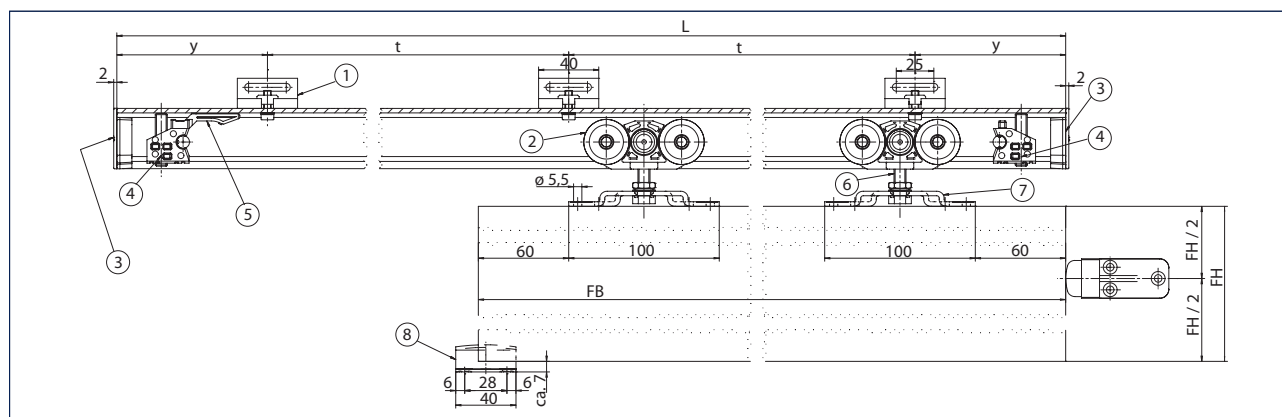
1	=	Wall attachment bracket Perlan 140
2	=	Double roller carriage
3	=	End cap (optional)
4	=	Tube buffer
5	=	Hold-open spring
6	=	Suspension bolt
7	=	Carrier plate
8	=	Floor guide
L	=	Track length
y	=	Distance end of track to centre of first drilled hole
t	=	Hole spacing
FB	=	Leaf width
FH	=	Leaf height

The fitting can be fixed directly on the ceiling or fixed to the wall or ceiling using an angle bracket or plate:
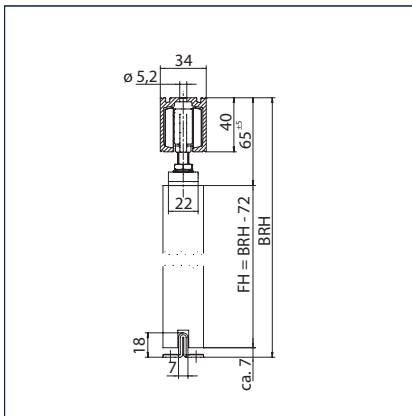
Direct ceiling mounting
FH   =   Leaf height
BRH   =   Overall height
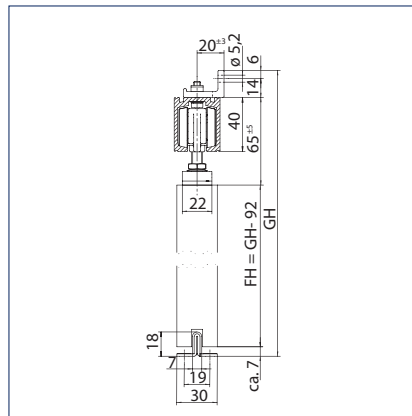
Wall mounting with angle
FH = Leaf height
GH = Total height
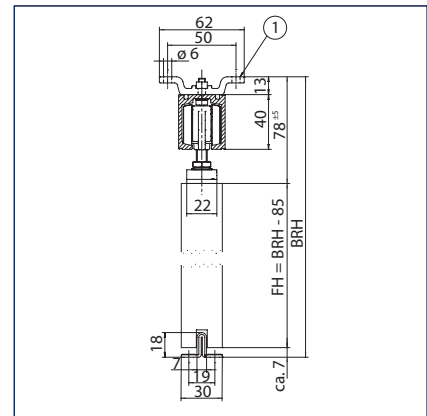
Ceiling installation with plate
FH   = Leaf height
BRH = Overall height
1   = Ceiling attachment angle Perlan 140

Installation with lowerable carrier plate
Drawing No. 10421-ep06

Mounting on a 1-leaf sliding door with wooden leaf and lowerable carrier plate:

1   = Wall attachment bracket Perlan 140
2   = Double roller carriage
3   = End cap (optional)
4   = Tube buffer
5   = Hold-open spring
6   = Tube buffer adjustable in the track
7   = Floor guide
8   = Min. recess for wooden leaf
L   = Track length
y   = Distance end of track to centre of first drilled hole
t   = Hole spacing
FB = Leaf width
FH = Leaf height

The fitting can be fixed directly on the ceiling or fixed to the wall or ceiling using an angle bracket or plate:
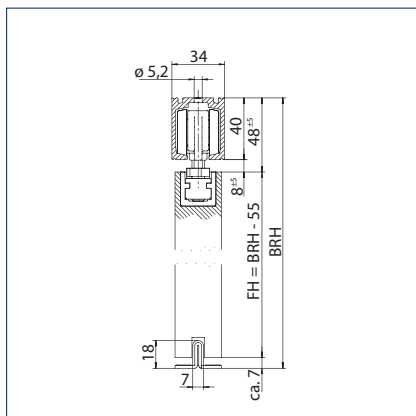
Direct ceiling mounting
FH = Leaf height
BRH = Overall height

Wall mounting with angle
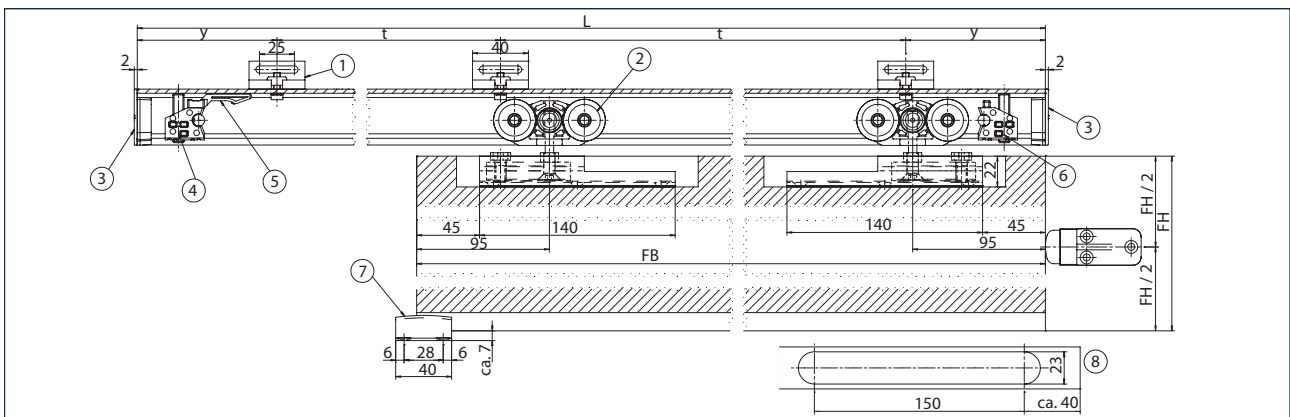FH = Leaf height
GH = Total height
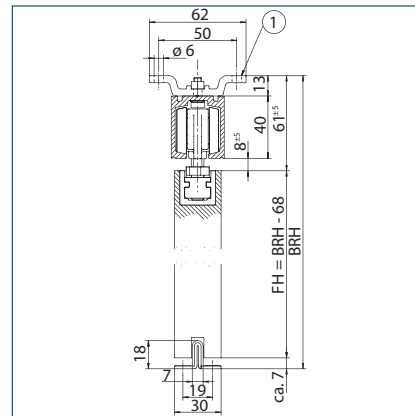
Ceiling installation with plate
FH = Leaf height
BRH = Overall height
1 = Ceiling attachment angle Perlan 140

Concealed carrier plate minimises the distance between rail and door leaf
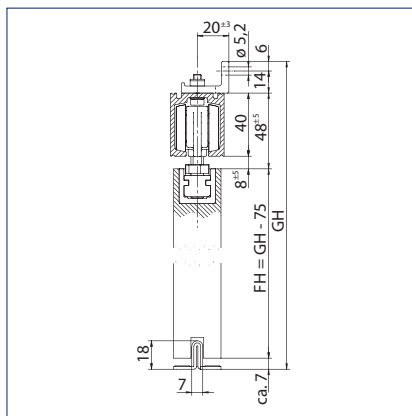
GEZE Perlan 140 - Order information

Description	Leaf width from - to	Length	Version	ID.No.
Perlan 140 set for wooden leaves For ceiling installation with standard carrier plate, up to 140 kg leaf weight	500 mm 840 mm	1650 mm	EV1	119353
	500 mm 1040 mm	2050 mm	EV1	119354
	500 mm 1240 mm	2450 mm	EV1	119355
	500 mm 1440 mm	2850 mm	EV1	119356
	500 mm 1640 mm	3250 mm	EV1	119357
Perlan 140 set for wooden leaves For wall installation with carrier plate and standard wall attachment bracket, up to 140 kg leaf weight	500 mm 840 mm	1650 mm	EV1	119337
	500 mm 1040 mm	2050 mm	EV1	119338
	500 mm 1240 mm	2450 mm	EV1	119339
	500 mm 1440 mm	2850 mm	EV1	119340
	500 mm 1640 mm	3250 mm	EV1	119351

Description	Leaf width from - to	Length	Version	ID.No.
Perlan 140 set for glass leaves For ceiling installation with glass clamping plate individually covered, up to 140 kg leaf weight	500 mm 840 mm	1650 mm	EV1	134833
	500 mm 1040 mm	2050 mm	EV1	134834
	500 mm 1240 mm	2450 mm	EV1	134835
	500 mm 840 mm	1650 mm	stainless steel colour	134843
	500 mm 1040 mm	2050 mm	stainless steel colour	134844
	500 mm 1240 mm	2450 mm	stainless steel colour	134845
Perlan 140 set for glass leaves For wall installation with concealed wall bracket and glass clamping plate individually covered, up to 140 kg leaf weight	500 mm 840 mm	1650 mm	EV1	134836
	500 mm 1040 mm	2050 mm	EV1	134837
	500 mm 1240 mm	2450 mm	EV1	134839
	500 mm 840 mm	1650 mm	stainless steel colour	134846
	500 mm 1040 mm	2050 mm	stainless steel colour	134847
	500 mm 1240 mm	2450 mm	stainless steel colour	134848
Accessories				
Perlan 140 track with countersunk drill holes (prepared for Perlan SoftStop)	710 mm 900 mm	1650 mm	EV1	135046
	910 mm 1100 mm	2050 mm	EV1	135047
	1110 mm 1300 mm	2450 mm	EV1	135048
		2850 mm	EV1	142518
		3250 mm	EV1	142519
		6000 mm	EV1	128660
	710 mm 900 mm	1650 mm	stainless steel colour	135049
	910 mm 1100 mm	2050 mm	stainless steel colour	135050
	1110 mm 1300 mm	2450 mm	stainless steel colour	135061
		6000 mm	stainless steel colour	128662
Perlan 140 track with countersunk drill holes, custom-made (prepared for Perlan SoftStop)			EV1	128661
			stainless steel colour	128663
Perlan 140 carrier plate Without attachment material				064236
Carrier plate Perlan 140 KS corrosion protection, for use outdoors and in aggressive environments, without attachment material			Stainless steel	117355
Concealed carrier plate set 2 pcs., for milling into the wooden leaf, including suspension bolts and flat open-ended spanner for height adjustment				138015
Wall attachment bracket Perlan 140 KS corrosion protection, for use outdoors and in aggressive environments, with sliding block and fixing screw for track				119319

GEZE PERLAN 140

Description	Leaf width from - to	Length	Version	ID.No.
Wall attachment bracket Perlan 140 With sliding block and fixing screw for track				119318
Ceiling attachment angle Perlan 140 With fixing screw for track				119315
Double roller carriage without suspension bolt up to 140 kg leaf weight				064248
Double roller carriage Perlan 140 KS without suspension bolt corrosion protection, for use outdoors and in aggressive environments, up to 140 kg leaf weight				117354
Double roller carriage Perlan 140 KS with suspension bolt corrosion protection, for use outdoors and in aggressive environments, up to 140 kg leaf weight				120087
Double roller carriage with suspension bolt up to 140 kg leaf weight				064346
Adjustable glass floor guide Variable adjustment for glass thickness 8-13,5 mm, with silencing guide with structured glass surfaces, without attachment material			silver-coloured	120417
Frieze band for adjustable glass floor guide for use with structured glass or rough surface				143869
Stainless steel floor guide For 8, 10, 12 mm glass			stainless steel	134990
Floor guide wood standard Without attachment material			galvanised	002191
Door pull handle, configured			stainless steel	127616
Flush pull, 8-12 mm glass Closed, outer diameter 60 mm, glass drill hole 40 mm			stainless steel	138670
Flush pull, 8-12 mm glass Open, outer diameter 70 mm, glass drill hole 60 mm, specify glass thickness when ordering			stainless steel	127617
Flush pull, 15-80 mm wood Outer diameter 60 mm, specify leaf thickness when ordering			stainless steel	127614
Angle buffer				000339
Buffer for continuous floor guide				124655
Buffer for continuous glass floor guide				124656
Tube buffer Perlan 140 (also KS) Steel parts made of stainless steel				119362
Perlan track end cap			black	119649
Suspension bolt Perlan 140 With combination nut				063839
Suspension bolt Perlan 140 KS With combination nut			stainless steel	117357
Adjustable hold-open device				069274
Hold-open spring				064242
Accessory set basic components Perlan 140 KS corrosion protection for outdoor use, for ceiling mounting, comprising: 2 x double roller carriage, 2 x tube buffer, 2 x carrier plate, 1 x hold-open spring, 2 x suspension bolt, 2 x end cap	500 mm 1640 mm			119510
Accessory set basic components Perlan 140 KS corrosion protection for outdoor use, for wall assembly, comprising: 2 x double roller carriage, 2 x tube buffer, 2 x carrier plate, 1 x hold-open spring, 2 x suspension bolt, 2 x end cap, incl. standard wall bracket (length = usable up to track length)	500 mm 840 mm	1650 mm		119507
	500 mm 1240 mm	2450 mm		119508
	500 mm 1640 mm	3250 mm		119509

Description	Leaf width from - to	Length	Version	ID.No.
Accessory set basic components Perlan 140 for wall assembly, comprising: 2 x double roller carriage, 2 x tube buffer, 2 x carrier plate, 1 x hold-open spring, 2 x suspension bolt, 2 x end cap, 1 x floor guide wood, incl. standard wall bracket (length = usable up to track length)	500 mm 840 mm	1650 mm		119358
	500 mm 1240 mm	2450 mm		119359
	500 mm 1640 mm	3250 mm		119360
Accessory set basic components Perlan 140 for ceiling mounting, comprising: 2 x double roller carriage, 2 x tube buffer, 2 x carrier plate, 1 x hold-open spring, 2 x suspension bolt, 2 x end cap, 1 x floor guide wood	500 mm 1640 mm			119361
Ceiling compensation set/ceiling spacer, stepless 6 pcs., continuously variable height compensation from 13 mm to 18 mm. For ceiling mounting using clip-on cover 100/145 as well as for general use on uneven ceilings				138099

GEZE Perlan 140 (Photo: Dirk Wilhelmy)

GEZE Perlan 140 accessories

Glass floor guide with variable adjustment
The floor guide is suitable for glass thicknesses between 8 mm and 12 mm and can be simply and precisely infinitely adjusted.

Adjustable hold-open device
A headless screw is used for individual catch force setting of the hold-open device. This means individual adaptation to the door leaf used (depending on door weight) and respective door user is possible.

End cap
The push-on end cap gives the track a clean end.

Concealed carrier plate
The distance between the rail and the door leaf is minimised by the suspension being concealed in the wooden leaf. Visible carrier plates are a thing of the past, and on-site wooden cover panels are no longer required.

Stainless steel floor guide version

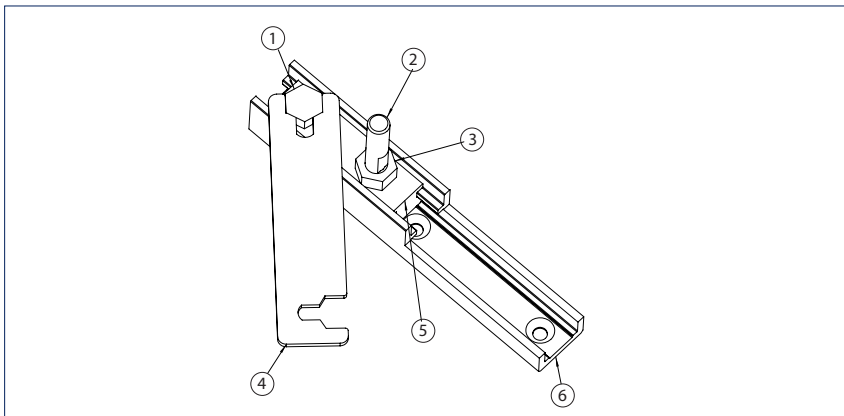Adjustable glass floor guide EV1

Adjustable hold-open device

End cap

Ceiling compensation set/ceiling spacer, stepless

Drawing No. 10421-ep06

Concealed carrier plate
1   = Hexagon screw, DIN 933 M8x16
2   = Countersunk screw M8x50 with open ended spanner size 6
3   = Hexagon nut DIN 934 M8
4   = Open-ended spanner, SV 6/13
5   = Carrier plate slide
6   = Carrier plate rail

Order information

Description	Version	ID.No.
Concealed carrier plate set 2 pcs., for milling into the wooden leaf, including suspension bolts and flat open-ended spanner for height adjustment		138015
Perlan track end cap	black	119649
Adjustable hold-open device		069274
Hold-open spring		064242

GEZE GLASS CLAMPING PLATE
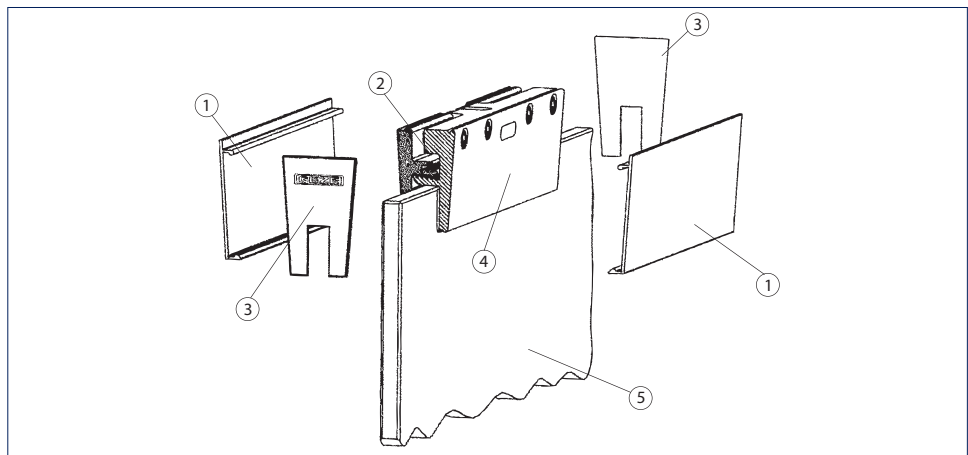
GEZE glass clamping plate 45 mm

Inconspicuous and easy to install

The GEZE glass clamping plate offers increased mounting convenience without the need for time-consuming glass work. The individual clamping platees can be covered or both patches can be concealed with a continuous cover. By completely covering the carrier plates, the visual effect is that 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 to fit a cover on site. The glass clamping plate can be used for all standard glass thicknesses. The clamping plate can be set to the respective glass thickness using the inside gearing. This facilitates installation and dismantling considerably.

GEZE glass clamping plate 45 mm

GEZE glass clamping plate 45 mm

1 = Cover profile
2 = Inside gearing
3 = End cover
4 = Glass clamping plate
5 = Glass pane

Application range

- For all GEZE sliding systems
- For ESG (toughened safety glass) 8, 10, 12 mm as well as laminated safety glass up to 12.76 mm with additional laminated safety glass adhesive kit (without glass preparation) and wooden leaf
- For leaf weights up to 140 kg (Rollan up to 80 kg)

Technical data

| Product features	GEZE glass clamping plate 45 mm
Door material	Glass
Automated	●
Fixed panel	●
Draw-in damping	●

● = YES

Standard installation of Perlan 140 on glass leaves

Drawing No. 10421-ep07

Note

The wall recesses must be made accessible by a removable cover. The door leaf must be stopped by a further angle buffer – in addition to the tube buffer. The buffer must be attached at the mid door height!

Mounting on a 1-leaf sliding door with glass leaf and carrier plate (manual):
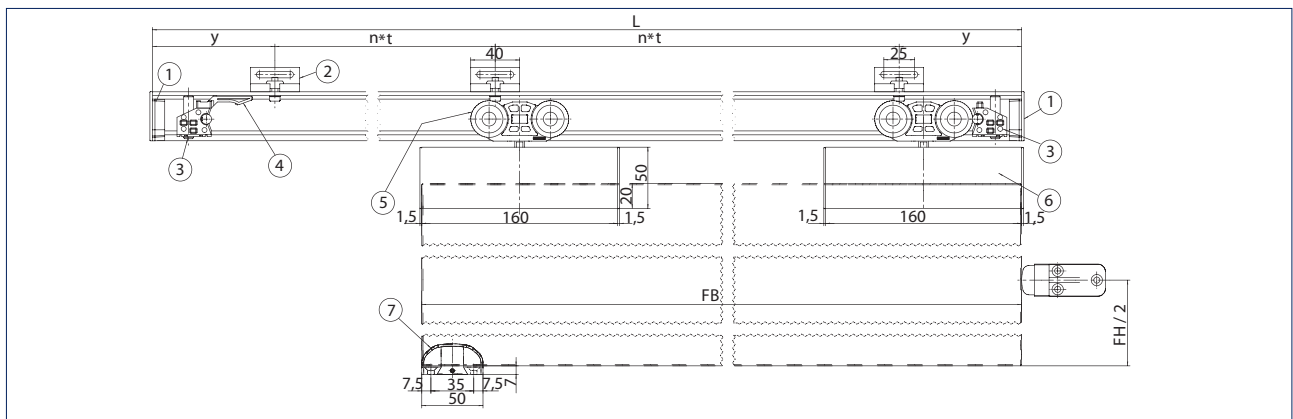
1 = End cap (optional)
2 = Wall attachment bracket Perlan 140
3 = Tube buffer
4 = Hold-open spring
5 = Double roller carriage
6 = Clamping plate
7 = Adjustable floor guide
L = Track length
y = Distance end of track to centre of first drilled hole
FB = Leaf width
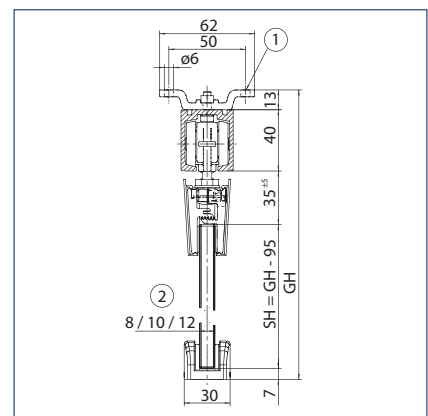FH = Leaf height
n = Quantity
t = Hole spacing

Can be fixed directly or with a plate on the ceiling or a bracket on the wall:
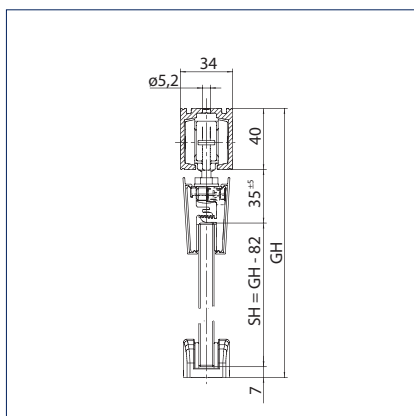
Direct ceiling mounting
SH = Panel height
GH = Total height
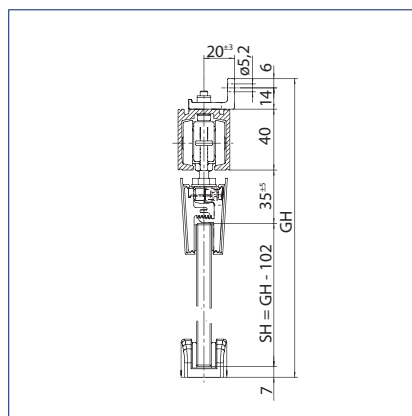
Wall mounting with angle
SH = Panel height
GH = Total height

Ceiling installation with plate
SH = Panel height
GH = Total height
1 = Ceiling attachment angle Perlan 140
2 = Thickness of glass