GEZE SLIDING, TELESCOPIC AND FOLDING DOOR SYSTEMS

VERSATILE AND COMFORTABLE

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GEZE SLIDING, TELESCOPIC AND FOLDING DOORS

GEZE sliding door systems

For comfort and perfection

Sliding doors are space-saving, elegant and modern. Glass sliding doors are ideal when it comes to making good use of daylight and fulfilling optical criteria. Automatic sliding doors from GEZE can be used to implement the widest range of application requirements within a building.

The variations in the Slimdrive drive series, having an overall height of only seven centimetres, fit perfectly into any building's architecture and offer a wide range of application possibilities.

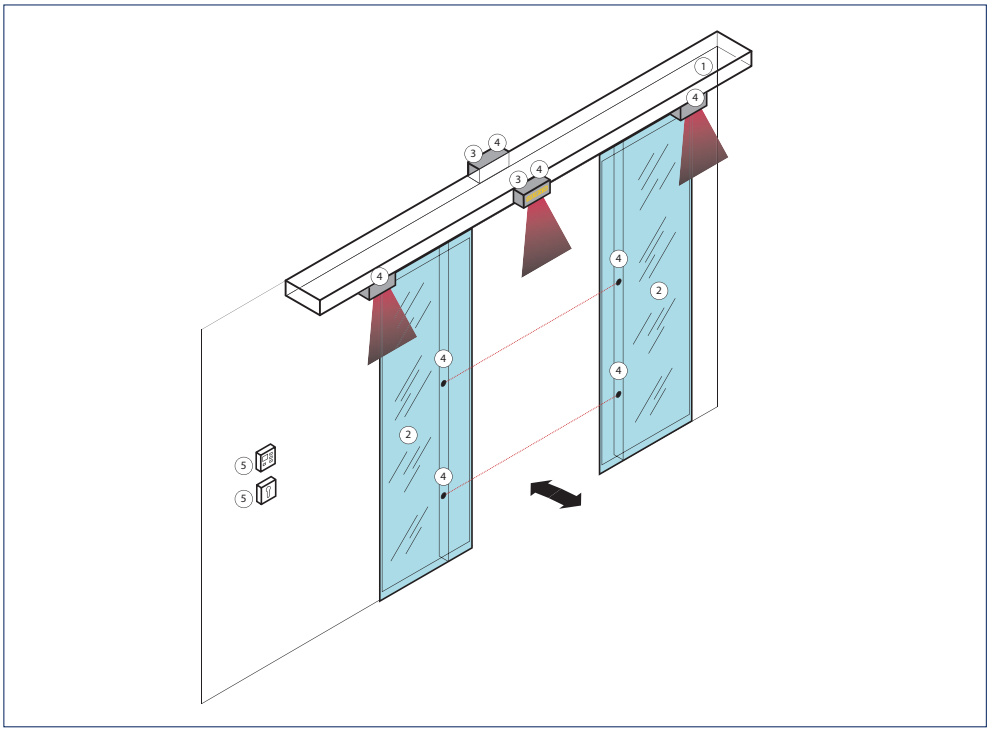
The ECdrive is economical and extremely reliable in its functionality.

The Powerdrive is a real 'power house' and is capable of moving heavy doors conveniently and safely.

DIN 18650

The industrial standard DIN 18650 was created to be able to guarantee operators and users of automatic doors optimum safety. GEZE sliding door systems have been type-tested to DIN 18650 and certified.

Design possibilities with the sliding door system



1 = Drive
2 = Fitting
3 = Actuation
4 = Safeguard / Note: According to DIN 18650, light barriers are not suitable for people in need of special protection!
5 = Operation

Overview table for automatic sliding door systems

	Slimdrive SL NT	ECdrive	Powerdrive PL	Page
Product features				
Dimensions (height x depth)	70 x 190 mm	120 x 175 mm 150 x 175 mm	150 x 185 mm 200 x 185 mm	
Opening width 1-leaf	700 - 3000 mm	700 - 3000 mm	700 - 3000 mm	
Opening width 2-leaf	900 - 3000 mm	900 - 3000 mm	800 - 3000 mm	
Leaf weight (max.) 1-leaf	125 kg	120 kg	200* kg	
Leaf weight (max.) 2-leaf	2 x 125 kg	2 x 120 kg	2 x 180* kg 2 x 200** kg	
Opening / closing speed (max.)	0.8 / 0.8 m/s	0.8 / 0.8 m/s	0.8 / 0.8 m/s	
Variants				
Automatic sliding doors (standard)	•	•	•	6
Emergency exit routes (FR)	•	•	•	7
FR locked (FR-RWS)	•	•	•	7
FR with locked shop closing (FR-LL)	•	•	•	8
FR in both directions (FR-DUO)	•	•	•	8
Break-out (BO)	•			9
CO48 (France)	•	•	•	9
Burglary resistant (WK2)	•			10
Smoke-impervious (RD)	•			10
Hermetic (HT)			•	11
Fire protection (T30)	•			11
Telescopic (SLT)	•			12
Folding (SF)	•			12
Corner sliding doors (SLV)	•			13
Inclined sliding doors (SL inclined)	•			13
Fitting				
ISO-glass fine-framed	•	•	•	
MONO-glass fine-framed	•	•	•	
ESG clamping profile		•	•	
All-glass system (GGS)	•			
Integrated all-glass system (IGG)	•			
Stainless steel			•	
On-site leaves	•	•	•	
Page	**16**	**54**	**68**	

• = Yes

* = max. 160 kg for FR variation, max. 120 kg for fine-framed leaves
** = increased opening and hold-open times if nec.

Note: Not all fittings can be combined with every drive variation!

GEZE SLIDING, TELESCOPIC AND FOLDING DOORS

Automatic sliding doors (standard)

Variety and safety

Automatic sliding door drives in particular often have to meet above-average demands in terms of functionality and economy. GEZE sliding door systems are suitable for universal use.

Automatic sliding doors from GEZE can be realised with the following drive series: Slimdrive, ECdrive and Powerdrive.

Standard sliding door

Hospital, Düsseldorf, Germany

Application range

- Public buildings and authorities
- Businesses and car dealerships
- Shopping centres and retail
- Airports and railway stations
- Health and care sector, e.g. hospitals, pharmacies
- Hotel and restaurants
- Banks and education institutes e.g. schools, universities
- Industrial buildings
- Vestibule systems

Redundant sliding doors for emergency exit routes (FR)

Function maintained in the event of a power failure thanks to several different drive components

To guarantee the safety of emergency escape routes, extra redundant components are integrated into the complete system. This redundancy guarantees that in the event of a power failure or fault, the sliding door will automatically open safely in the operating modes "Automatic" and "Shop closing". In the operating mode "Night" the locking system prevents unauthorised opening of the door. There is no emergency escape function in this operating mode.

This variation can be realised using the following drive series: Slimdrive, ECdrive and Powerdrive.

FR sliding door

Kolbenschmidt Pierburg, Neckarsulm, Germany

Redundant sliding doors for locked emergency exit routes (FR-RWS)

Additional locking with duplicate processing system and redundant emergency opening key

With the FR-RWS variation for automatic GEZE sliding doors, the door system can be adjusted by an intelligent control unit and monitored locking system in such a way that it is only possible to pass through the door on request. In the event of a power failure or other problems, the door reliably opens as part of the escape route. FR-RWS sliding doors are used particularly in airports, railway stations, nursing and care homes.

This variation can be realised using the following drive series: Slimdrive, ECdrive and Powerdrive.

FR-RWS sliding door

Cologne-Bonn airport, Germany

GEZE SLIDING, TELESCOPIC AND FOLDING DOORS

Redundant sliding doors for emergency exit routes with locked shop closing function (FR-LL)

Protected against forced opening from the outside through permanent locking with duplicate processing

This GEZE solution allows door systems on emergency escape routes that are set in the operating mode „Shop closing" (one-way) to be locked via the intelligent control and monitored locking system. This increases the protection of the door against unauthorised opening from the outside. This type-tested FR-LL variation is ideal for use in areas where the shop closing operating mode is to be used over a longer period. FR-LL sliding doors are used especially in banks, theatres and universities.

This variation can be realised using the following drive series: Slimdrive, ECdrive and Powerdrive.

FR-LL sliding door

Sparkasse bank, Ulm

Redundant sliding doors for emergency exit routes in both directions (FR-DUO)

For public buildings with several emergency exit routes

This GEZE solution for special applications can be used in public buildings. Depending on how the rooms or building sections are used, escape routes in both directions are often required. The type-tested GEZE automatic sliding door can be used as an escape route door in both directions by using two monitored movement detectors on both sides. FR-DUO sliding doors are used especially in offices, airports and railways stations.

This variation can be realised using the following drive series: Slimdrive, ECdrive and Powerdrive.

FR-DUO sliding door

Cafe Luitpold, Munich

Sliding doors for emergency exit routes with break-out function (BO)

Emergency opening by pivoting leaves and sides open

GEZE sliding doors with break-out function are used on emergency escape routes. The BO function allows the leaves to be pivoted open in the direction of escape – as a sliding door system with a swing fitting, so to speak. Sliding doors with BO function have pivoted side parts and are available for 1 or 2-leaf door systems. Doors with escape route requirements are used in regions where redundant drives are not recognised. They are also used in entrance areas where a large opening width is required, e.g. in car dealerships.

This variation can be realised using the following drive series: Slimdrive.

BO sliding door

Rechts der Isar Hospital of the Technical University of Munich

Sliding doors for emergency exit routes according to CO48 (France)

Emergency opening using elastic rope

In the event of a power failure, the door can be opened once via the built-in elastic rope. CO48 sliding doors with escape route requirement are used in France and other regions where this solution is recognised.

This variation can be realised using the following drive series: Slimdrive, ECdrive and Powerdrive.

CO48 sliding door

Hippauf & Stegmüller, Arnstorf - exemplary picture

GEZE SLIDING, TELESCOPIC AND FOLDING DOORS

Sliding doors with burglar resistance in accordance with resistance class 2 (WK2)

Special protection from burglary and vandalism

The burglar-resistant automatic linear sliding door system GEZE Slimdrive SL WK2 and the emergency exit route variation SL-FR WK2 makes burglars' lives difficult. It was specially developed for building entrances with increased security requirements. Both variations have been tested according to component resistance class 2 (WK2) in line with DIN V ENV 1627 to 1630. This means that they can withstand attempts to be levered open using tools of the WK2 class such as screwdrivers, pliers and wedges, and can withstand static and dynamic loads. Burglars are stopped effectively and security companies gain reaction time. WK2 sliding doors are particularly used in banks, pharmacies, jewellers, petrol stations and IT rooms.

This variation can be realised using the following drive series: Slimdrive.

WK2 sliding door

Hycro Grand Centre, Zagreb

Smoke-proof sliding doors (RD)

Increased safety through smoke protection

Smoke-proof sliding doors from GEZE meet all smoke protection requirements and allow a wide range of versatile design possibilities, thanks in part to the 7 cm drive height of the Slimdrive product series. This sliding door system is made up of the drive and the sophisticated smoke-proof profile system. The continuous floor guide and all-round, flexible and heat-resistant seals guarantee smoke-proofness. In the event of a fire, release is via a smoke detector or external fire alarm system.

This variation can be realised using the following drive series: Slimdrive.

RD sliding door

Cologne Triangle

Hermetic sealed sliding doors (HT)

Tightly sealing for particularly sensitive areas

This tightly closing linear sliding door system from GEZE was developed especially for use in clean-room areas. The hermetic sliding doors are based on the tried-and-trusted principle of the lowering door leaf and can thus achieve a hermetic tightly sealing transition between two rooms with different pressure conditions with the aid of a special seal. The door leaf with the all-round seal is lowered and pressed onto the frame. The Powerdrive PL-HT sliding door system has hygienic stainless steel surfaces that are easy to keep clean and an almost invisible easy to clean floor guide. When closed, the door leaf is sealed to all sides without the seal permanently touching other components. This makes the special door suitable for high through-traffic volumes and a long service life. HT sliding doors are used particularly in hospitals, clinics, in semi-conductor manufacturing facilities and production rooms in the food, chemical and pharmaceutical industries.

This variation can be realised using the following drive series: Powerdrive.

HT sliding door

Hôpital d'Orsay, Paris

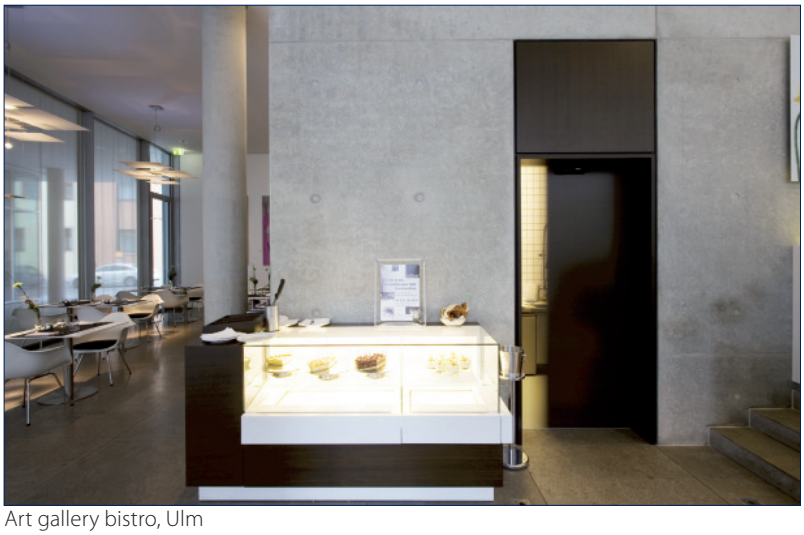
Fire protection sliding doors (T30)

With hold-open and release device, permanent closing in the event of a fire

Fire protection doors are used to stop fire getting through wall openings in fire-retardant walls. Fire protection doors of resistance class T30 are fire-retardant doors according to DIN 4102 and smoke-proof according to DIN 18095. The closing function is guaranteed in the event of a fire too. After the fire alarm has been raised and/or the mains supply voltage has failed, the door automatically closes by means of stored energy. The fire resistance class a door requires depends on what the building is used for and the requirements made on the wall where the door is installed. The T30 sliding door systems are offered in cooperation with partner companies.

This variation can be realised using the following drive series: Slimdrive.

T30 sliding door



Art gallery bistro, Ulm

GEZE SLIDING, TELESCOPIC AND FOLDING DOORS

Telescopic sliding doors (SLT)

Perfect integration even in the narrowest of glass facades

The GEZE drives for telescopic sliding doors are ideal for narrow glass facades in post-rail structures. These sliding doors are used on 2 or 4-leaf doors and allow opening widths of up to 3600 mm. Telescopic sliding doors are also suitable for retrofitting to existing facades and are thus the number one choice for renovation and conversion work.

This variation can be realised using the following drive series: Slimdrive.

Telescopic sliding door

Robert Bosch hospital, Stuttgart

Folding doors (SF)

Versatility for optimum use of space

Wherever maximum passage widths must be achieved in tight spaces, the use of automatic doors with horizontal folding door leaves is the optimum solution. The GEZE automatic folding door system, with the 7 cm drive height characteristic of the Slimdrive series, guarantees maximum passage height for conversions, for example. The low overall height of the drive makes it almost unnoticeable, yet it is highly efficient. Retrofitting to existing facades is no problem. The break axle locking ensures the door is locked safely at night.

This variation can be realised using the following drive series: Slimdrive.

Folding door

Spa hotel Fürst Pückler, Bad Muskau

Corner sliding doors (SLV)

Freedom of design – for angles between 90° and 270°

GEZE offers the perfect technical solution for the simple movement of corner sliding doors: The Slimdrive SLV drive – with an overall height of only 7 cm of course – is used wherever a special design is required or the entrance area has to follow certain architectural requirements. The Slimdrive version SLV-FR is used, the corner sliding door can also be used in emergency exit routes.

This variation can be realised using the following drive series: Slimdrive.

Corner sliding door

Trendpark, Neckarsulm

Inclined sliding doors (SL inclined)

Fancy appearance and perfect integration in inclined glass facades

The GEZE drives for inclined sliding doors are ideal for narrow glass facades in post-rail structures. These sliding doors are used on 2-leaf doors and allow opening widths of up to 2500 mm. Inclined sliding doors are framed and offer a sleek appearance in fancy application. They can be used for incline angle up to 9.9°. Larger angles are available on request.

This variation can be realised using the following drive series: Slimdrive SL inclined.

Inclined sliding door

Villa Soravia, Millstatt, Kärnten

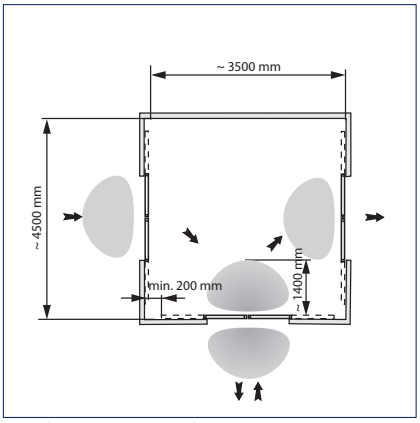
GEZE SLIDING, TELESCOPIC AND FOLDING DOORS

Vestibule systems

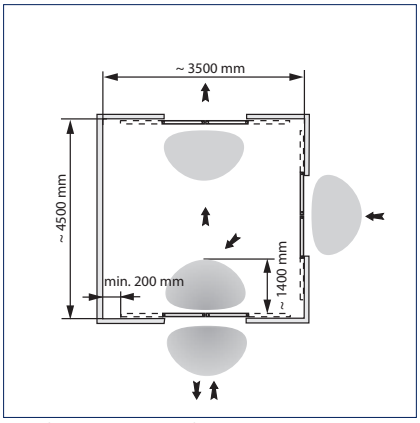
Vestibule systems are used to avoid draughts and reduce heat exchange. Preferably only one door should be opened.

Direction-detecting radar movement sensors only actuate the door when people move towards it. This means the door closes more quickly after people. A separate programme switch is compulsory for door systems in emergency exit routes.

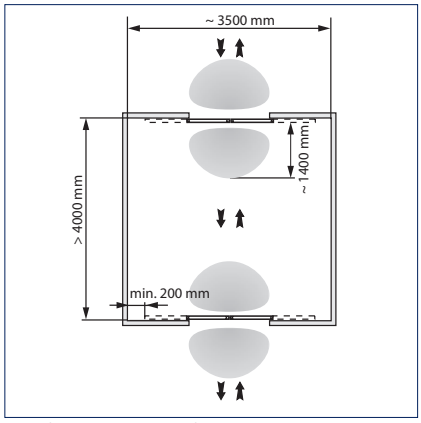
grey = Detection field



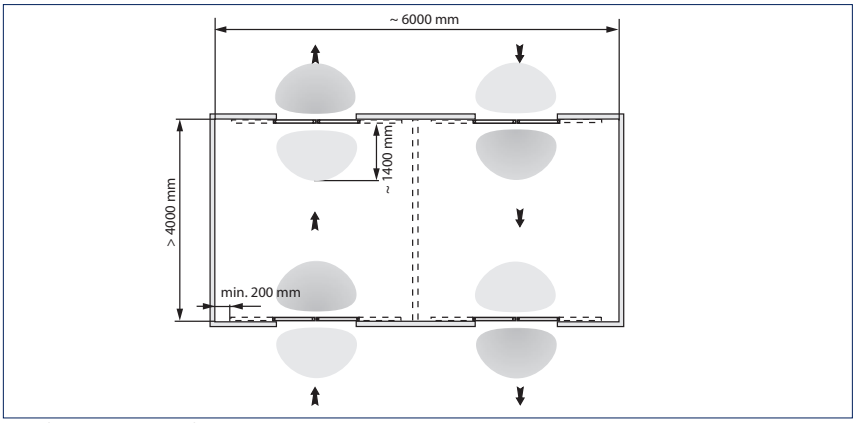
Combination example 1



Combination example 2



Combination example 3



Combination example 4

Special solutions

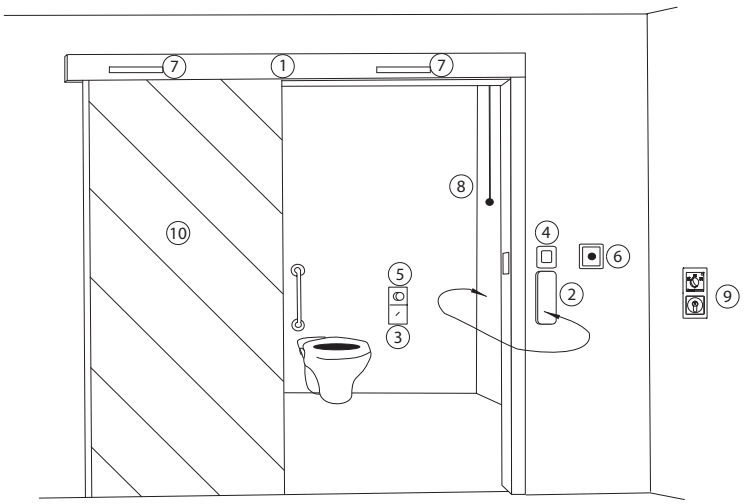
Toilets for the disabled

Toilets for the disabled must be designed in such a way that people with all sorts of different handicaps can use the facilities without needing help. GEZE sliding door drives provide an indispensable service for this application, and guarantee a high level of convenience.

Function description
The door opens automatically after the large-scale button on the outside of the toilet has been pressed, and closes automatically after the set hold-open time has passed.

When the user presses the switchover inside the toilet cubicle, the "occupied" sign outside the toilet is activated and the telltale lamp on the change-over switch comes on. At the same time, the large-scale button is deactivated on the outside and on the inside. This means the door cannot be opened by third parties nor by the user by mistake. When the user leaves the toilet, he presses the switchover again. The "occupied" sign outside and the telltale lamp inside both go off. The drive is actuated by pressing the large-scale OPEN DOOR button inside the cubicle, and the door opens immediately.

In the event of a power failure, the door can always be opened using the emergency open button. Light curtains monitor the passage area on the inside and outside (two units) as well as the sliding door's travel path in the „open" direction.



1 = Sliding door drive
2 = Large-scale OPEN DOOR button (inside and outside)
3 = Switchover: Lock/unlock door
4 = „Occupied" indicator light
5 = „Occupied" telltale lamp
6 = Emergency-stop switch (recommended installation height: 1600 mm)
7 = Light curtain
8 = Emergency pull switch (provided by customer)
9 = Programme switch with key-operated switch
10 = Sliding door leaf wooden leaf provided by customer, alternatively ISO/ESG fine-framed with satin-finish film

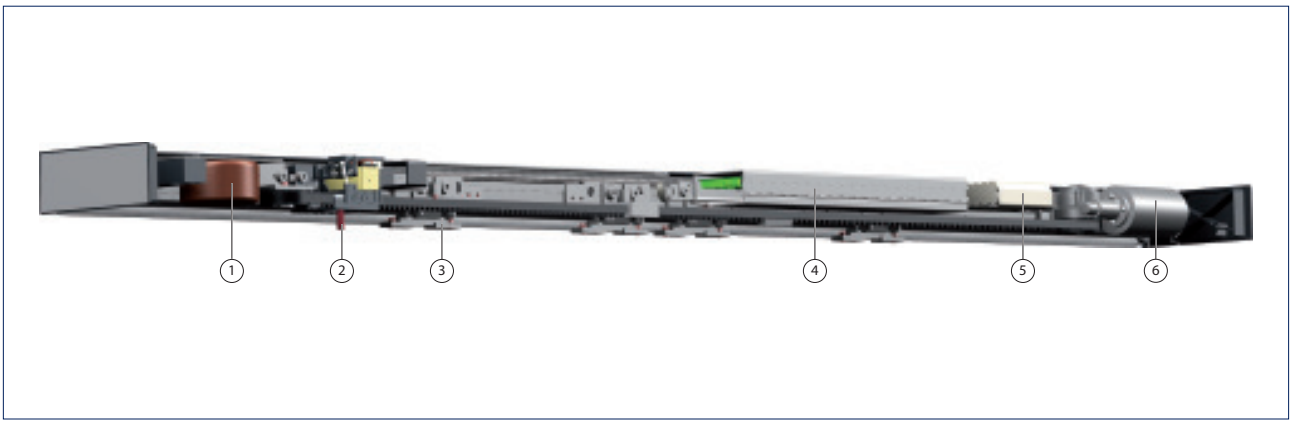
GEZE SLIMDRIVE SL NT

GEZE Slimdrive SL NT

Drive system for automatic linear sliding doors using the latest technology

Facades with slim post-rail structures seem even lighter and more inviting, and they discreetly and easily blend in with the building architecture. The new automatic sliding door system GEZE Slimdrive SL NT is idea – particularly in glass facades where large door leaves have to be moved and all components have to appear slim and delicate.

With its low drive height of only 7 cm, the Slimdrive SL NT can be integrated almost invisibly in the facade and moves door leaf weights of up to 125 kg. The new running rail makes mounting directly on the wall, facade or on cantilevered carriers easier. A new roller carriage has further optimised leaf adjustment. The standard self-cleaning roller guarantees smooth running and increases the roller carriage service life. An additional supporting roller increases steadiness.



1 = Transformer
2 = Locking
3 = Roller carriage
4 = Control
5 = Battery
6 = Motor

Drive components

Technical data	SL NT	SL NT-FR
Transformer	Ring core with fuse and main switch	
Voltage	230 V	
Frequency	50 – 60 Hz	
Capacity rating	150 W	
Locking	Toothed belt locking, electromagnetic, bi-stable	
Roller carriage		
Door leaf adjustment vertical	10 mm	
Door leaf adjustment horizontal	6 mm	
Anti-tilt protection	fitted as standard	
Self-cleaning	●	●
Control	DCU1	DCU1-2M
With fault memory	●	●
With memory for statistical data	●	●
Software update possible	●	●
Optional bus interface	●	●
Connection for fire alarm system	●	●
Power supply for peripherals	●	●
Programmable inputs	3 pc.	
Programmable outputs	2 pc.	
Battery	NiCd, 24 V, 700 mA	
Motor	Gear motor	Double gear motor
Torque	400 Ncm	

● = YES
- = NOT AVAILABLE

Technical data

Product features	SL NT	SL NT-FR
For 1-leaf door systems	●	●
For 2-leaf door systems	●	●
Height	70 mm	
Depth	190 cm	
Leaf weight (max.) 1-leaf	125 kg	
Leaf weight (max.) 2-leaf	125 kg	
Opening width 1-leaf	700 – 3000 mm	
Opening width 2-leaf	900 – 3000 mm	
Temperature range	-15 – 55 °C	
Enclosure rating	IP 20	
Disconnection from power supply	Main switch in the drive	
Opening speed (max.)	0,8 m/s	
Closing speed (max.)	0,8 m/s	
Hold-open time	0 – 60 S	
Adjustable opening and closing force (max.)	150 N	
Automatic adaptation to traffic flow	●	●
Automatic reversal when an obstacle is detected	●	●
Pharmacy opening	●	●
Lock function	●	-
Vestibule function	●	-
Automatic opening in the event of a power failure	adjustable	fitted as standard
Automatic closing in the event of a power failure	adjustable	not available
Function in the event of a power failure	adjustable for 30 min. / 30 cycles	Open
Automatic opening in the event of a fault	not available	fitted as standard
Approvals	DIN 18650BGR232 DIN EN ISO 13849: Performance Level D	DIN 18650 BGR232 DIN EN ISO 13849: Performance Level D AutSchR

● = YES
- = NOT AVAILABLE

Fitting variations

Fittings	SL NT
ISO-glass fine-framed	●
MONO-glass fine-framed	●
ESG clamping profile	-
All-glass system (GGS)	-
Integrated all-glass system (IGG)	●
Frame leaf (provided by customer)	-
Wooden leaf (provided by customer)	●
Hermetic leaf	-
Fire protection leaf T30 (Hörmann)	-

● = YES
- = NOT AVAILABLE

Calculations for Slimdrive SL NT

Drive length and glass dimensions

Calculation of the drive length (AL) in mm*

	Slimdrive SL NT	Slimdrive SL NT-FR**
2-leaf	ÖW = 900 - 1000, AL = ÖW + 1100	ÖW = 900 - 1070, AL = ÖW + 1170
	ÖW = 1000 - 3000, AL = 2 x ÖW + 100	ÖW = 1070 - 3000, AL = 2 x ÖW + 100
1-leaf, closing on the right	ÖW = 700 - 3000, AL = 2 x ÖW + 60	ÖW = 700 - 800, AL = ÖW + 860
		ÖW = 800 - 3000, AL = 2 x ÖW + 60
1-leaf, closing on the left	ÖW = 700 - 3000, AL = 2 x ÖW + 60	ÖW = 700 - 800, AL = ÖW + 860
		ÖW = 800 - 3000, AL = 2 x ÖW + 60

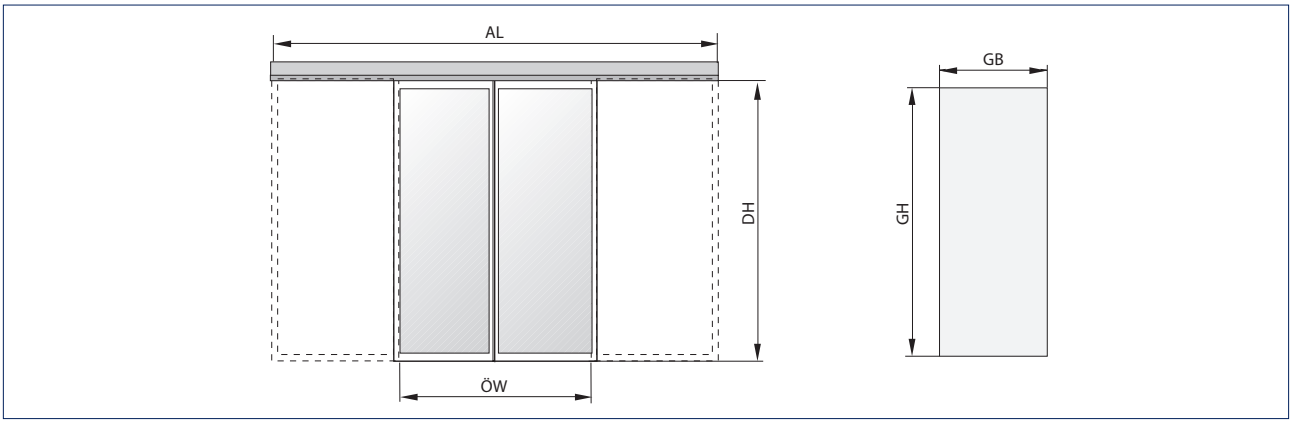
* Minimum overall lenght of the system with ISO-glass profil system
** Request drawing for the FR-RWS, FR-LL variations!

Note:
Opening widths of emergency route sliding doors < 1000 mm are only permitted in exceptional cases.
For external installations with an opening width of more than 2000 mm, a continuous floor guide is recommended.
The minimum opening widths depend on the requirements of building law.

Caculation of leaf and glass dimensions in mm (ISO-glass profile system)

		ISO-glass
Leaf width	1-leaf	ÖW + 35
	2-leaf	ÖW / 2 + 35
Leaf hight	1-leaf / 2-leaf	FH = DH - 2
Glass width	1-leaf	ÖW
	2-leaf	OW / 2
Glass height	1-leaf / 2-leaf	FH - 90
Glass thickness		22

Note:
max. leaf ratio width to height 1:4

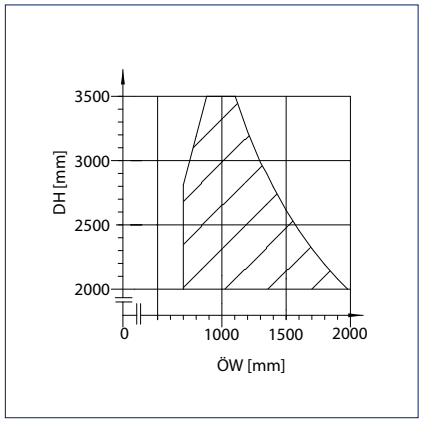


AL = Drive length
DH = Passage height
GB = Glass width
GH = Glass height
ÖW = Opening width

Areas of application for Slimdrive SL NT

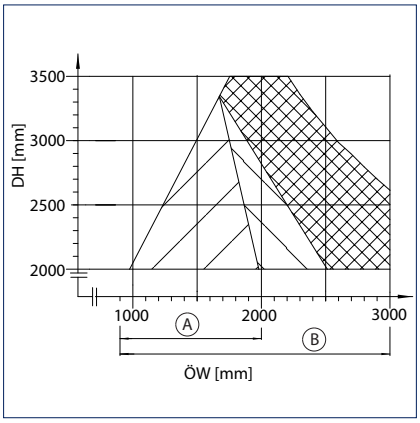
SL NT / FR with cantilever carrier, ISO glass fitting

1-leaf



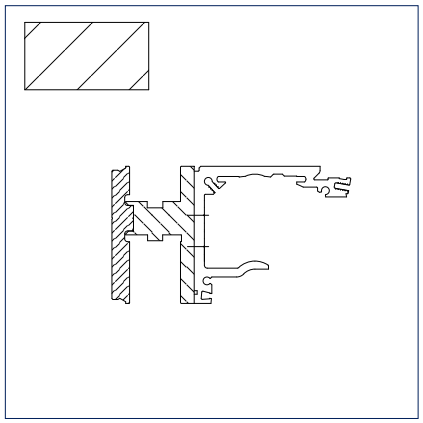
DH = Passage height
ÖW = Opening width

2-leaf

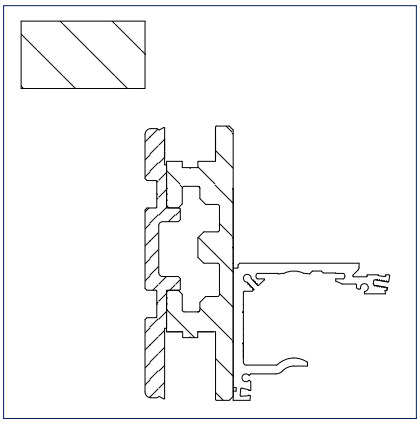


A = Outside area
B = Inside area
DH = Passage height
ÖW = Opening width

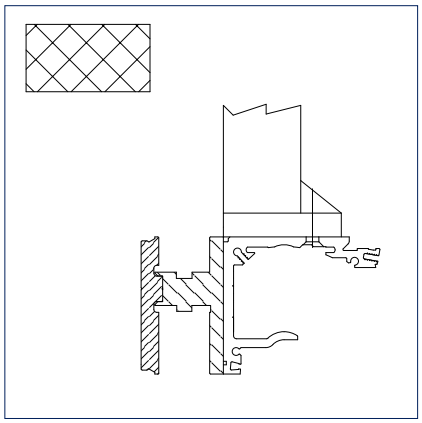
Profiles



Profile standard carrier SL NT



Additional carrier EC/SL

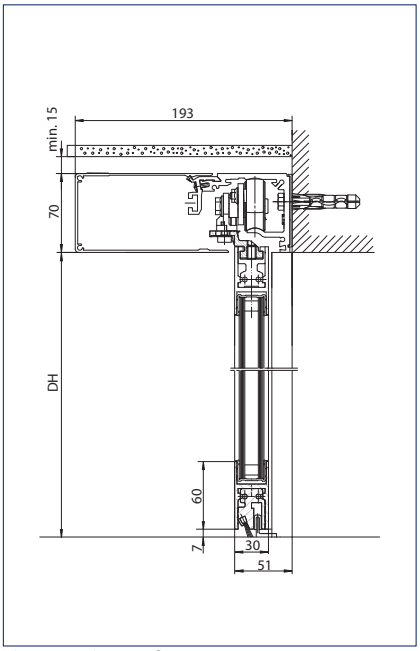


Profile for carrier and running rail additionally suspended from the ceiling

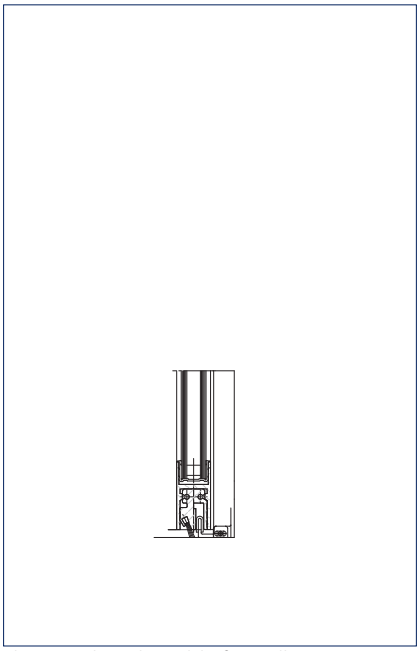
GEZE Slimdrive SL NT

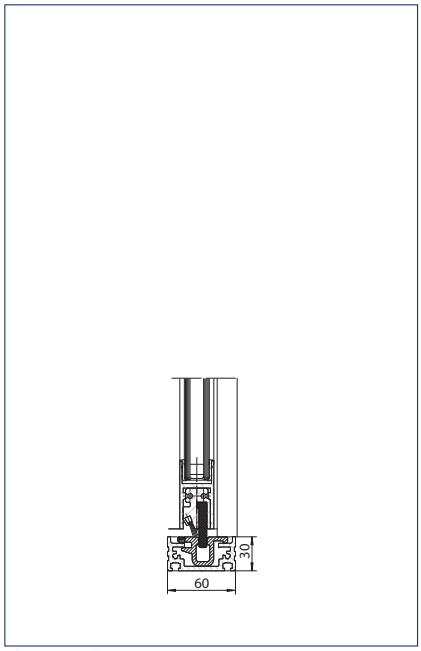
ISO/MONO-glass fitting

Door leaf
Drawing no. 70511-ep01

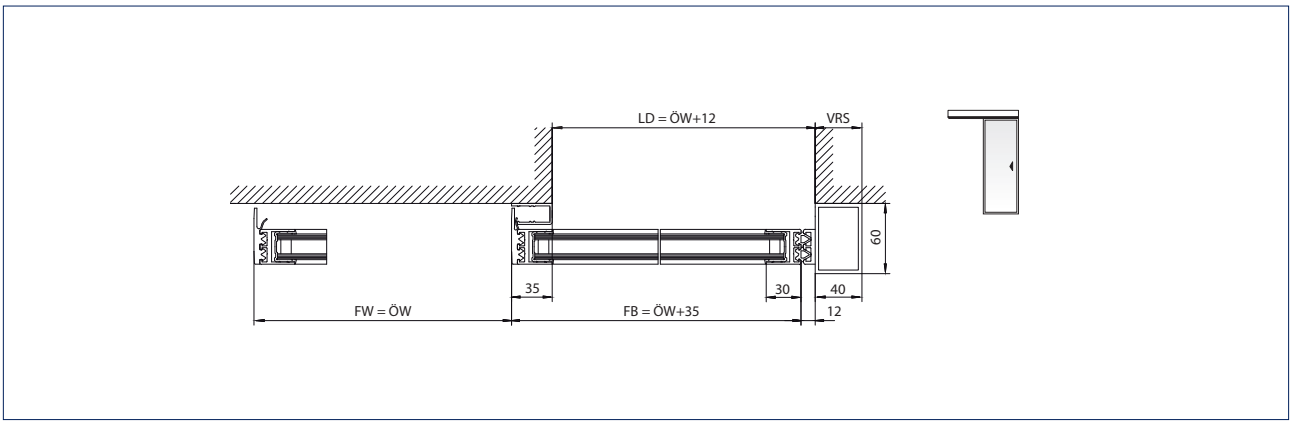


Floor guide: For floor mounting
DH = Passage height

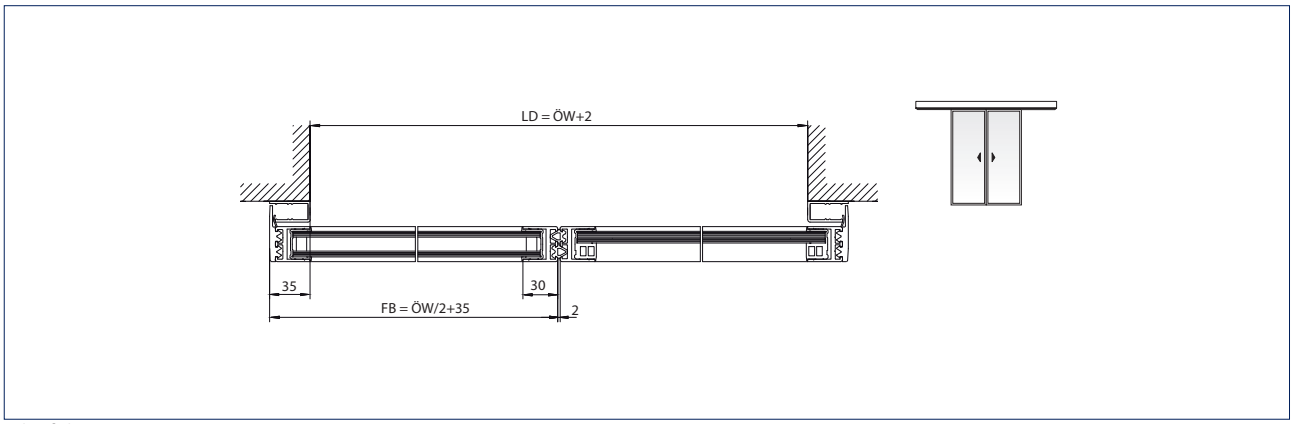

Floor guide: Adjustable for wall mounting



Floor guide: Continuous



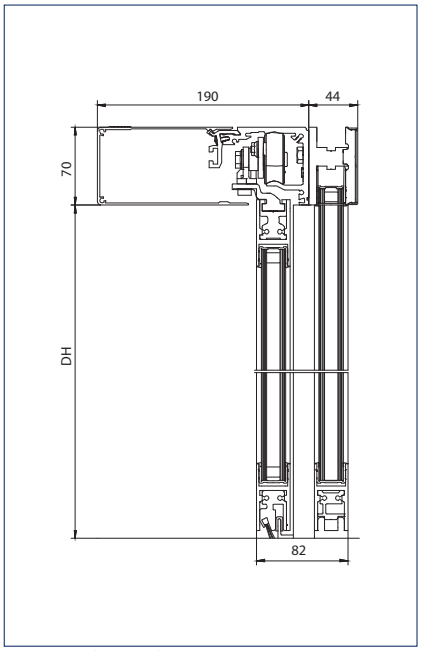
1-leaf door system
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width
VRS = Drive extension right



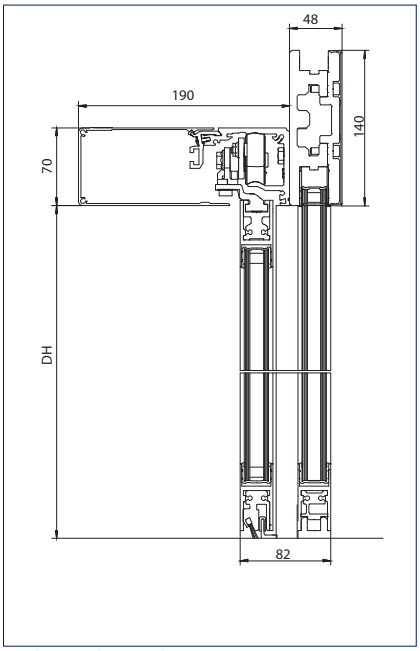
2-leaf door system
LD = Clear passage
FB = Leaf width
ÖW = Opening width

Door leaf and side parts

Drawing nos. 70511-ep02 + 70511-ep04



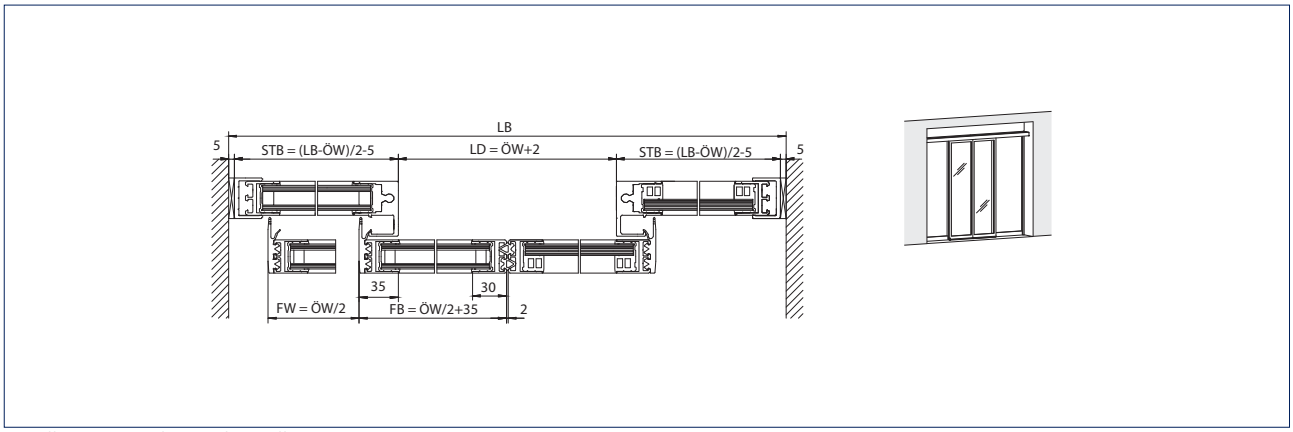
Low cantilevered carrier
DH = Passage height



High cantilevered carrier
DH = Passage height

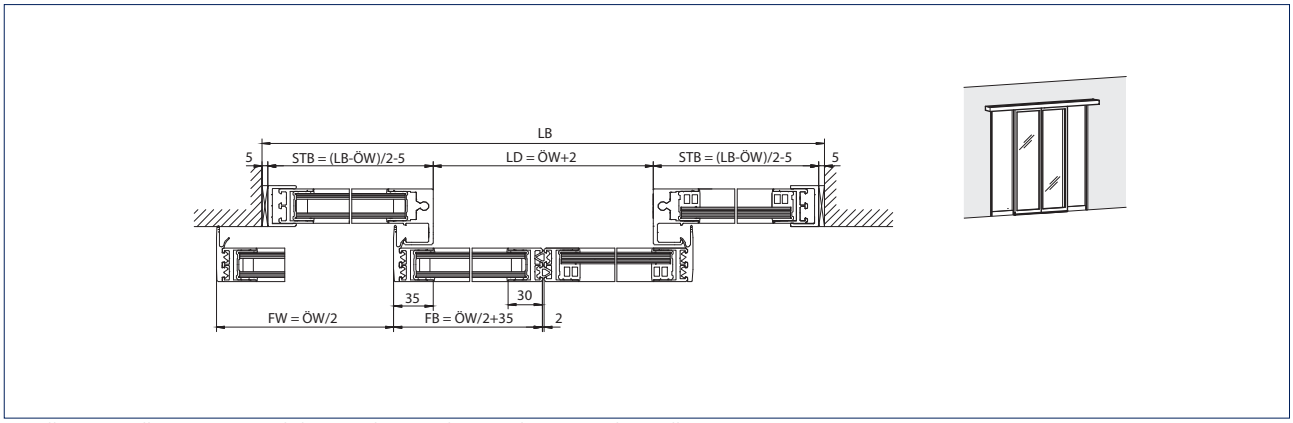
GEZE SLIMDRIVE SL NT

Note: See installation drawing for area of application

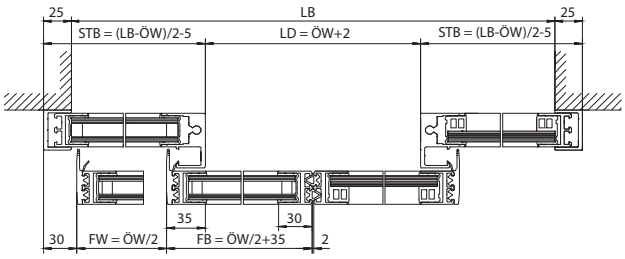


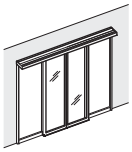
Installation: Cantilevered installation
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

Note: See installation drawing for area of application



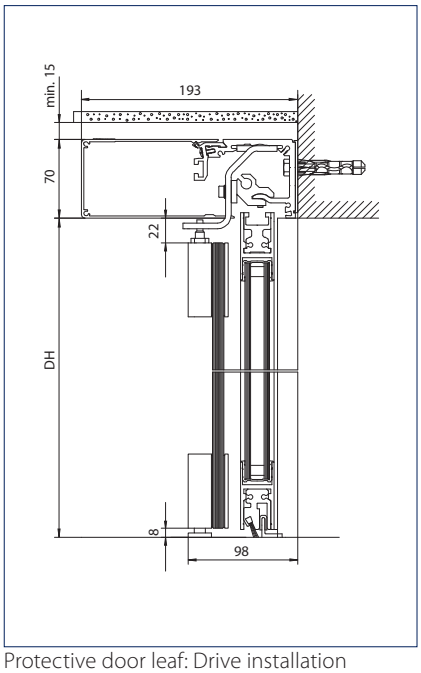
Installation: Wall mounting with longer drive and carrier between the walls
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width



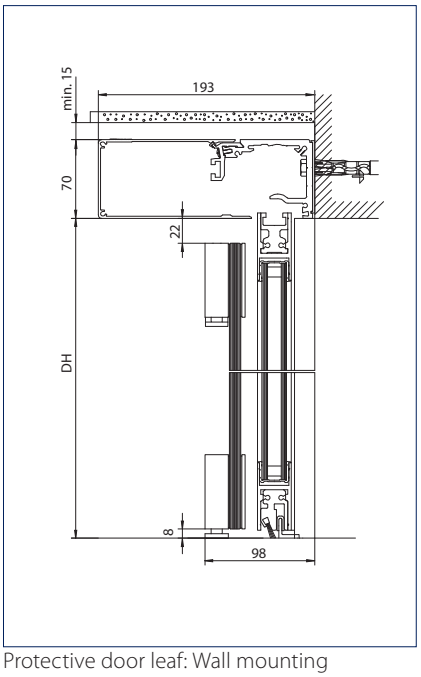


Installation: Wall mounting
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

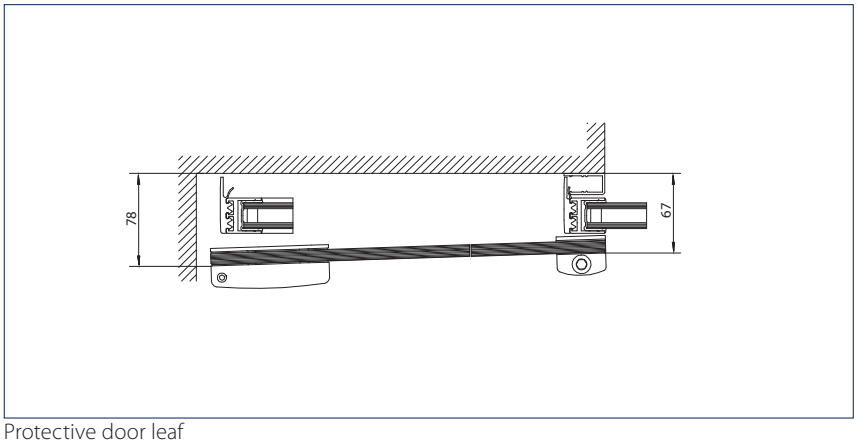
Door leaf and protective door leaf
Drawing no. 70511-ep07



Protective door leaf: Drive installation
DH = Passage height



Protective door leaf: Wall mounting
DH = Passage height

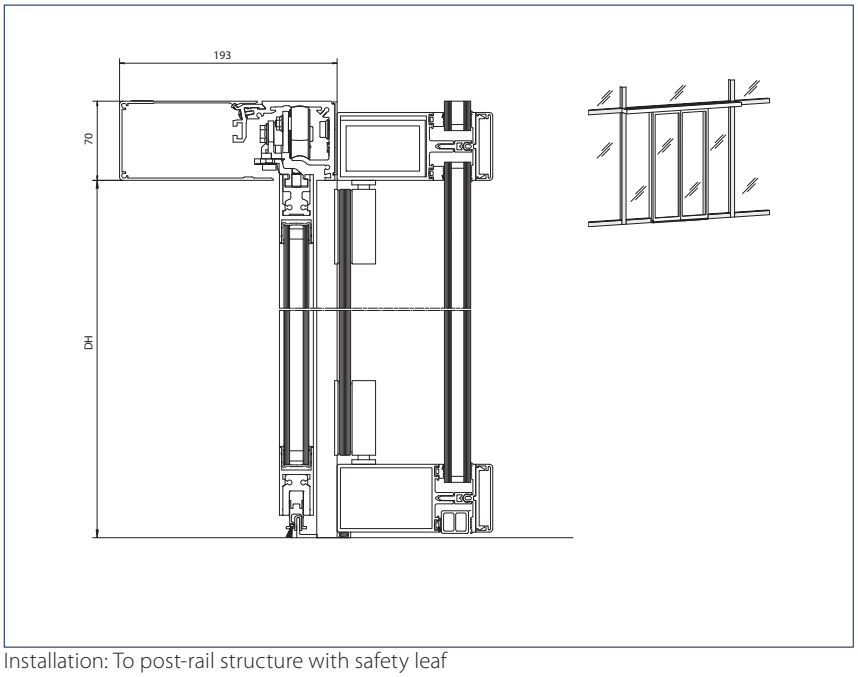


Protective door leaf

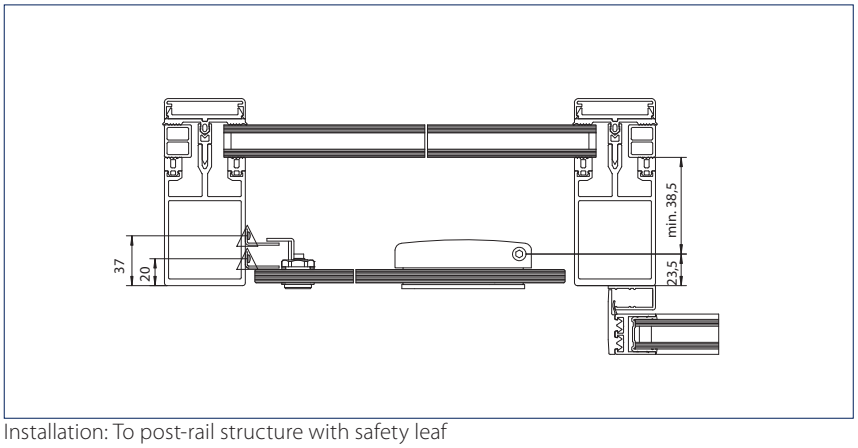
GEZE SLIMDRIVE SL NT

Door leaf and safety leaf
Drawing no. 70511-ep03

Note: See installation drawing for area of application



Installation: To post-rail structure with safety leaf
DH = Passage height

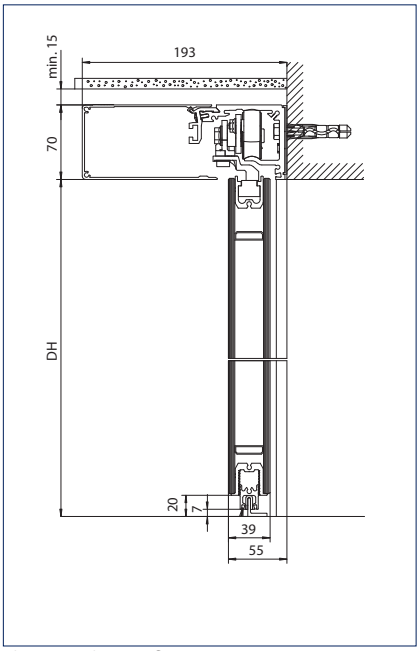


Installation: To post-rail structure with safety leaf

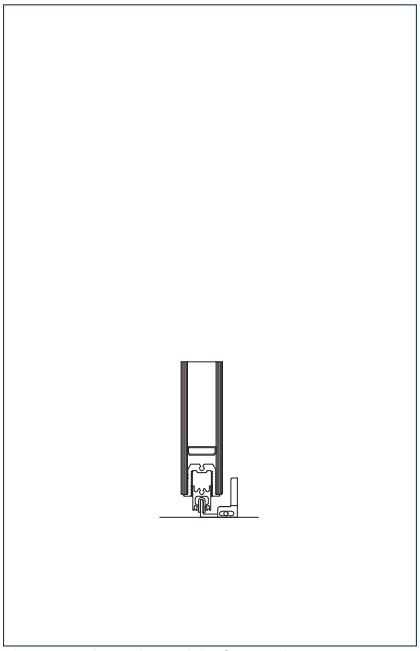
GEZE Slimdrive SL NT

Integrated all-glass system (IGG)

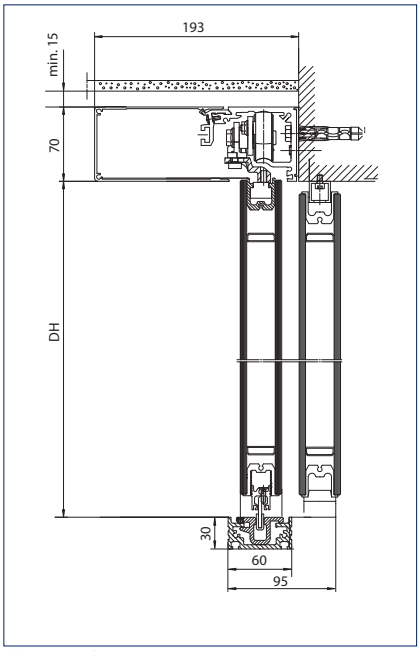
Door leaf and side parts
Drawing no. 70511-ep05



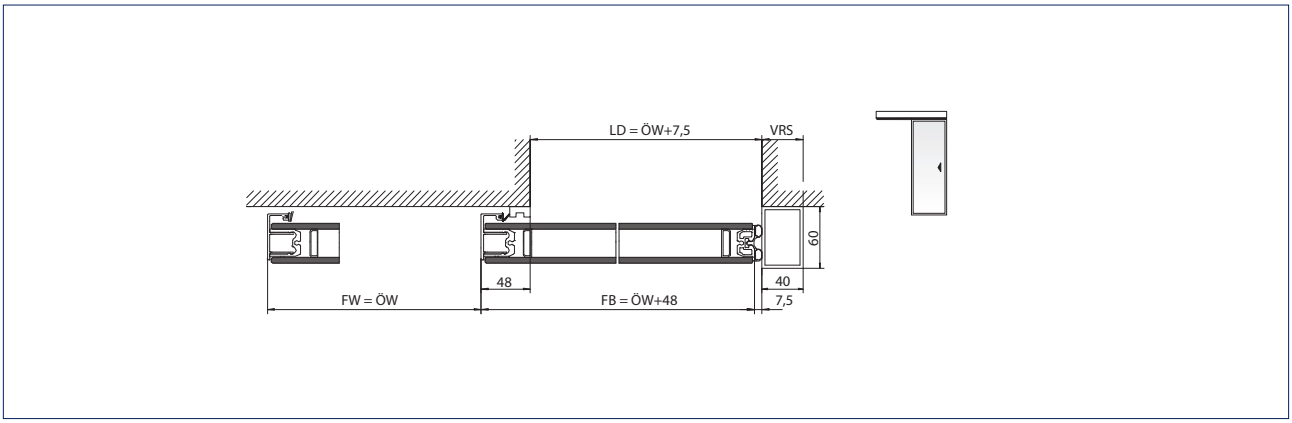
Floor guide: For floor mounting
DH = Passage height



Floor guide: Adjustable for wall mounting

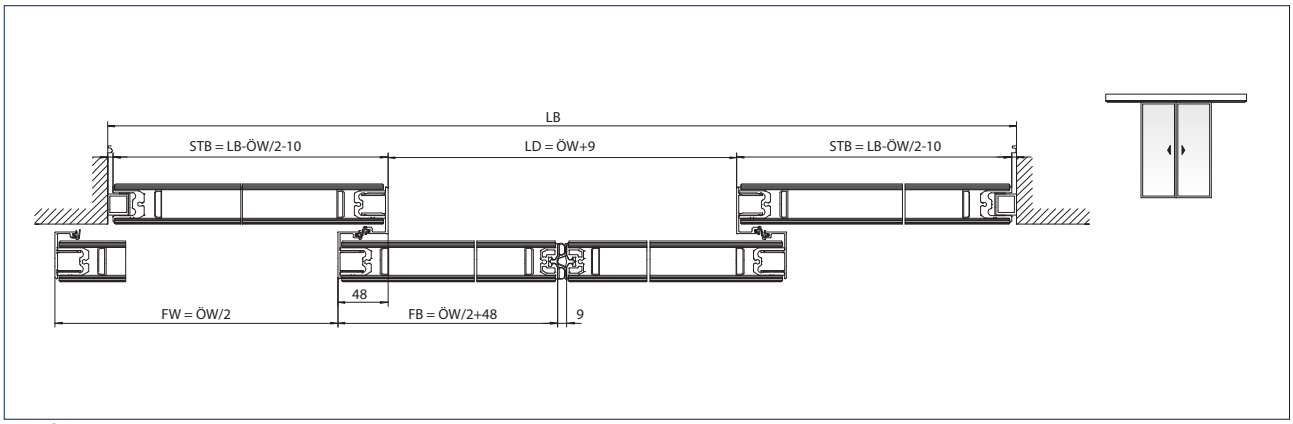


Floor guide: Continuous
DH = Passage height



1-leaf door system
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width
VRS = Drive extension right

GEZE SLIMDRIVE SL NT



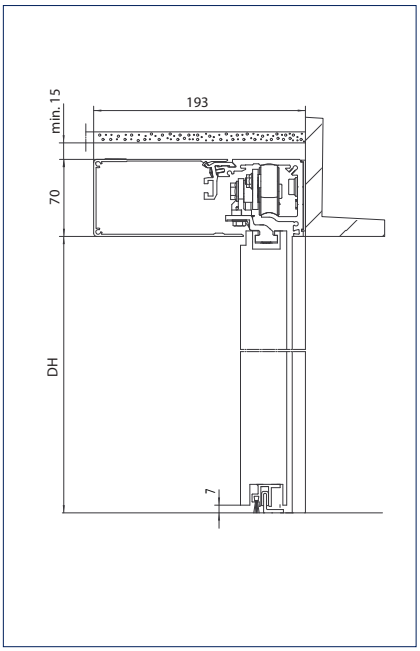
2-leaf door system
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

Slimdrive SL NT with IGG, GEZE GmbH, Leonberg, Germany

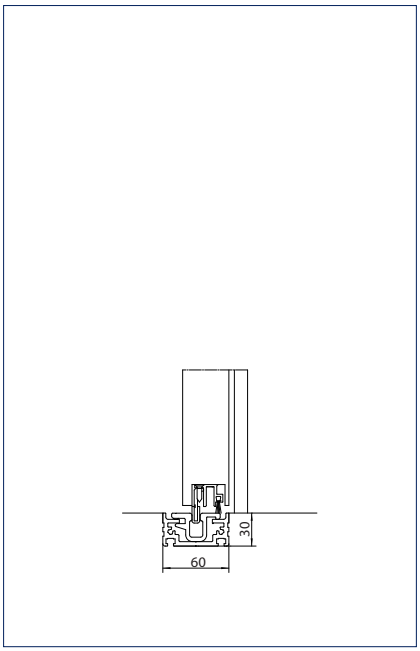
GEZE Slimdrive SL NT

Wooden leaves

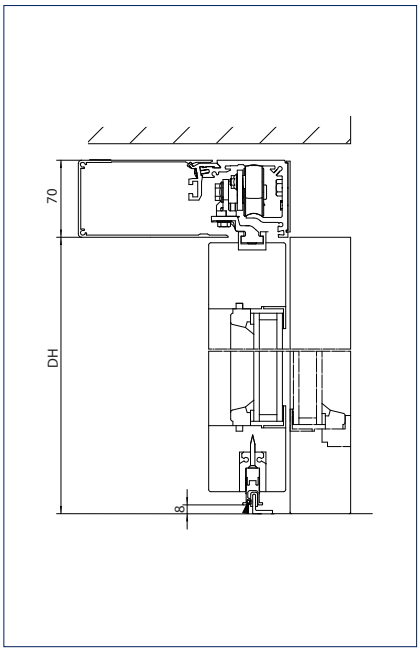
Drawing no. 70511-ep08



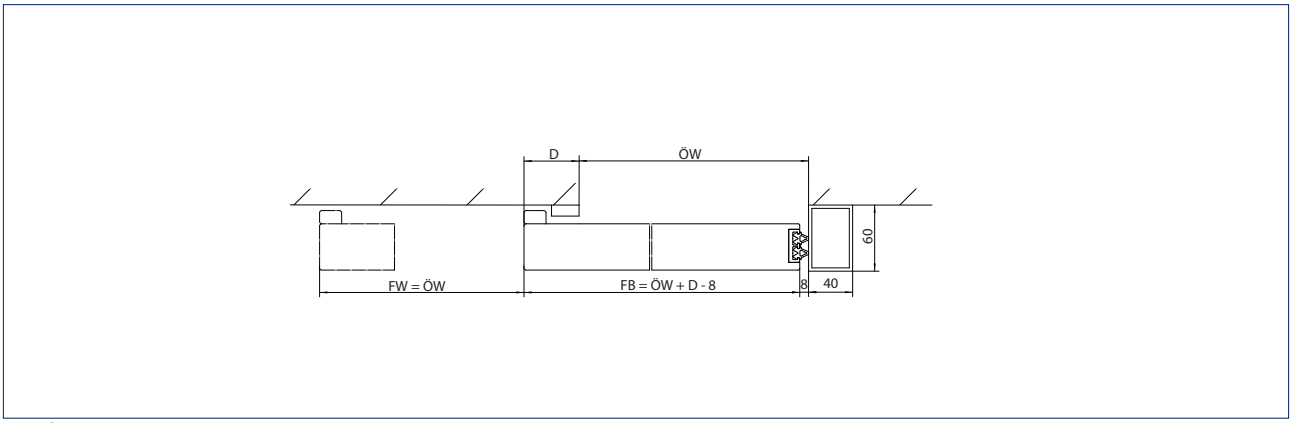
Installation variant for slimmer wooden leaves and floor guide for floor mounting
DH = Passage height



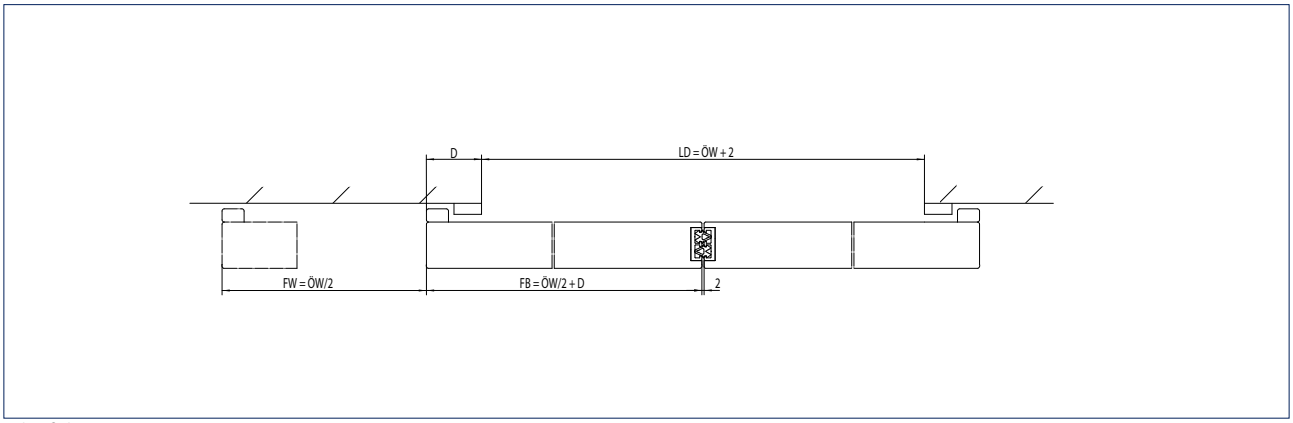
Alternatively with continuous floor guide



Installation variant for thicker wooden leaves and floor guide for floor mounting
DH = Passage height



1-leaf door system
D = Projection
FB = Leaf width
FW = Travel path
ÖW = Opening width

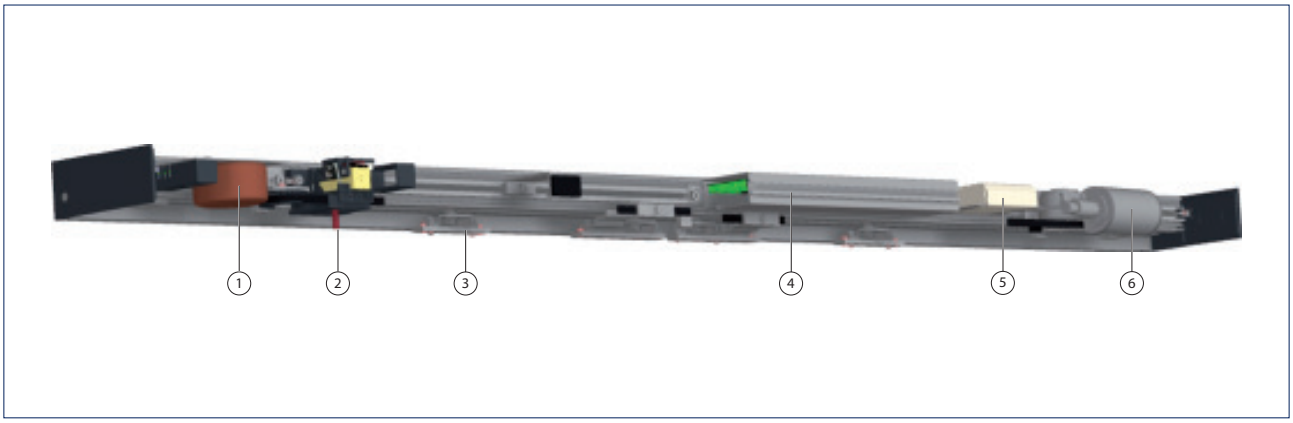


2-leaf door system

GEZE Slimdrive SL

Drive system for automatic linear sliding doors

The Slimdrive SL conceals a powerful drive system for automatic sliding doors in a unit only 7 cm high. It blends elegantly in with post-rail structures. Large opening widths can be achieved with the Slimdrive SL. The drive disappears in the facade, bestowing transparency and an aesthetic appearance. Bolt false edges and cross-bar profiles are things of the past. The Slimdrive SL makes large passage heights possible.



1 = Transformer
2 = Locking
3 = Roller carriage
4 = Control
5 = Battery
6 = Motor

Drive components

Technical data	SL	SL-FR
Transformer	Ring core with fuse and main switch	
Voltage	230 V	
Frequency	50 – 60 Hz	
Capacity rating	150 W	
Locking	Toothed belt locking, electromagnetic, bi-stable	
Roller carriage		
Door leaf adjustment vertical	7 mm	
Door leaf adjustment horizontal	7 mm	
Anti-tilt protection	Optional	
Self-cleaning	-	-
Control	DCU1	DCU1-2M
With fault memory	●	●
With memory for statistical data	●	●
Software update possible	●	●
Optional bus interface	●	●
Connection for fire alarm system	●	●
Power supply for peripherals	●	●
Programmable inputs	3 pc.	
Programmable outputs	2 pc.	
Battery	NiCd, 24 V, 700 mA	
Motor	Gear motor	Double gear motor
Torque	400 Ncm	

● = YES
- = NOT AVAILABLE

Technical data

Product features	SL	SL-FR
For 1-leaf door systems	●	●
For 2-leaf door systems	●	●
Height	70 mm	
Depth	189 mm	
Leaf weight (max.) 1-leaf	120 kg	
Leaf weight (max.) 2-leaf	120 kg	
Opening width 1-leaf	700 – 3000 mm	
Opening width 2-leaf	900 – 3000 mm	
Temperature range	-15 – 55 °C	
Enclosure rating	IP 20	
Disconnection from power supply	Main switch in the drive	
Opening speed (max.)	0,8 m/s	
Closing speed (max.)	0,8 m/s	
Hold-open time	0 – 60 S	
Adjustable opening and closing force (max.)	150 N	
Automatic adaptation to traffic flow	●	●
Automatic reversal when an obstacle is detected	●	●
Pharmacy opening	●	●
Lock function	●	-
Vestibule function	●	-
Automatic opening in the event of a power failure	adjustable	fitted as standard
Automatic closing in the event of a power failure	adjustable	not available
Function in the event of a power failure	adjustable for 30 min. / 30 cycles	Open
Automatic opening in the event of a fault	not available	fitted as standard
Approvals	DIN 18650 BGR232 DIN EN ISO 13849: Performance Level D	DIN 18650 BGR232 DIN EN ISO 13849: Performance Level D AutSchR

● = YES
- = NOT AVAILABLE

Fitting variations

Fittings	SL
ISO-glass fine-framed	●
MONO-glass fine-framed	●
ESG clamping profile	-
All-glass system (GGS)	●
Integrated all-glass system (IGG)	●
Frame leaf (provided by customer)	●
Wooden leaf (provided by customer)	●
Hermetic leaf	-
Fire protection leaf T30 (Hörmann)	●

● = YES
- = NOT AVAILABLE

Calculations for Slimdrive SL

Drive length and glass dimensions

Calculation of drive length AL in mm*

	Slimdrive SL	Slimdrive SL-FR**	Slimdrive SL-GGS
2-leaf	ÖW = 900 - 1100, AL = ÖW + 1100	ÖW = 900 - 1000, AL = ÖW + 1100	ÖW = 1200 - 3000, AL = 2 x ÖW + 200
	ÖW = 1000 - 3000, AL = 2 x ÖW + 100	ÖW = 1000 - 3000, AL = 2 x ÖW + 100	
1-leaf, closing on the right	ÖW = 700 - 2000, AL = 2 x ÖW + 50	ÖW = 700 - 800, AL = ÖW + 850	ÖW = 700 - 1500, AL = 2 x ÖW + 320
		ÖW = 800 - 2000, AL = 2 x ÖW + 50	
1-leaf, closing on the left	ÖW = 700 - 2000, AL = 2 x ÖW + 50	ÖW = 700 - 800, AL = ÖW + 850	ÖW = 700 - 1500, AL = 2 x ÖW + 380
		ÖW = 800 - 2000, AL = 2 x ÖW + 50	

* Minimum overall length of the system with ISO-glass profile system
** Request drawing for FR variations (FR-RWS, FR-LL)!

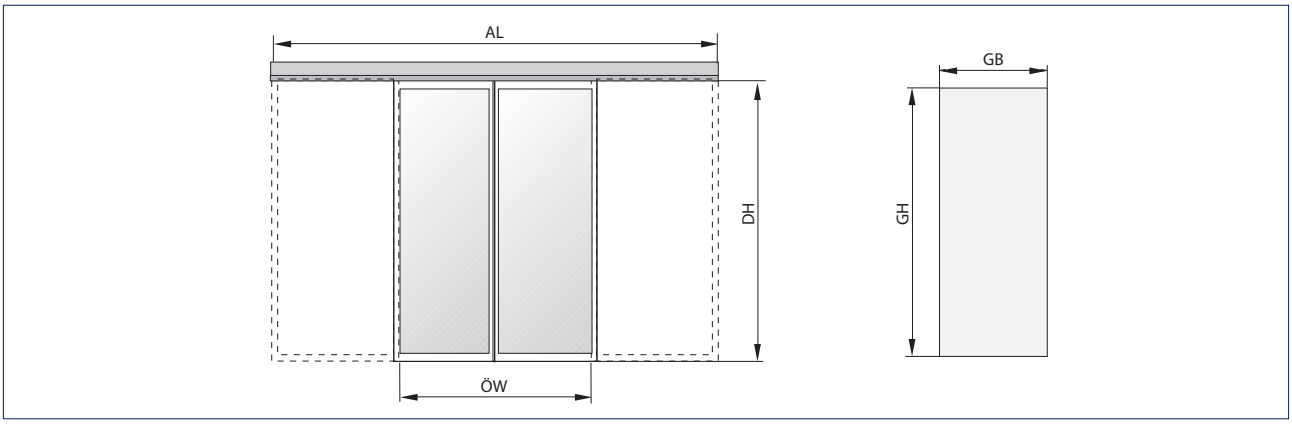
Note:
Opening widths of emergency route sliding doors < 1000 mm are only permitted in exceptional cases.
For external installations with an opening width of more than 2000 mm, a continuous floor guide is recommended.
The minimum opening widths depend on the requirements of building law.

Calculation of leaf and glass dimensions in mm (ISO-glass profile system)

		ISO-glass with Alu-NSK	ISO-glass with rubber-NSK
Leaf width	1-leaf	ÖW + 40	ÖW + 35
	2-leaf	ÖW / 2 + 40	ÖW / 2 + 35
Leaf height	1-leaf / 2-leaf	DH - 17	DH - 17
Glass wisdth	1-leaf	ÖW	ÖW
	2-leaf	ÖW / 2*	ÖW / 2
Glass height	1-leaf / 2-leaf	FH - 90	FH - 90
Glass thickness		22	22

* In connection with rod locking, the glass width = ÖW / 2 - 20 mm , NSK = secondary closing edge

Note:
max. leaf ratio width to height 1:4

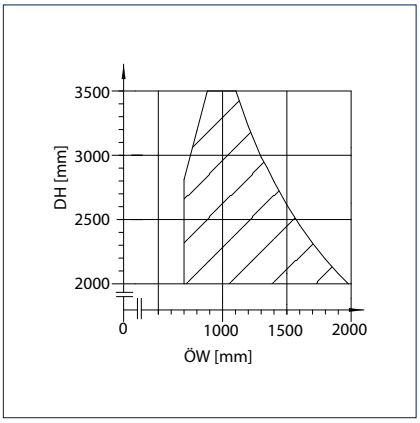


AL = Drive length
DH = Passage height
GB = Glass width
GH = Glass height
ÖW = Opening width

Areas of application for Slimdrive SL

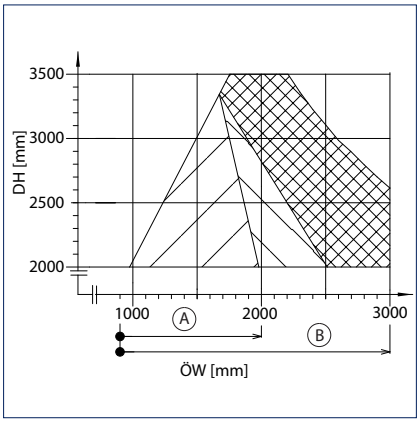
Cantilever carrier Slimdrive SL

1-leaf



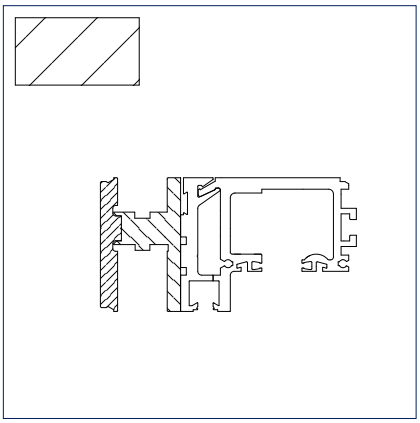
DH = Passage height
ÖW = Opening width

2-leaf

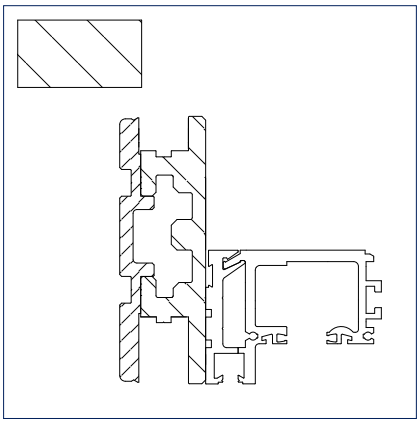


A = Outside area
B = Inside area
DH = Passage height
ÖW = Opening width

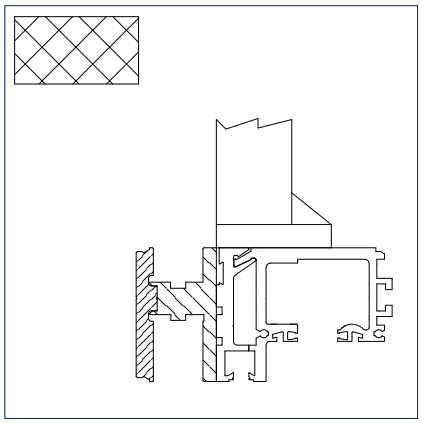
Profiles



Standard carrier SL



Additional carrier EC/SL



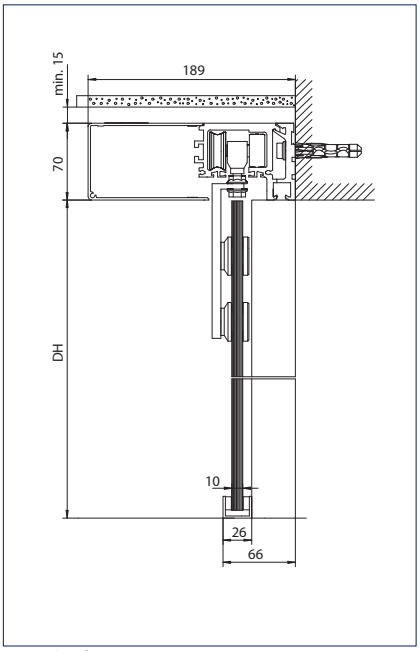
Carrier and running rail additionally suspended from the ceiling

GEZE Slimdrive SL

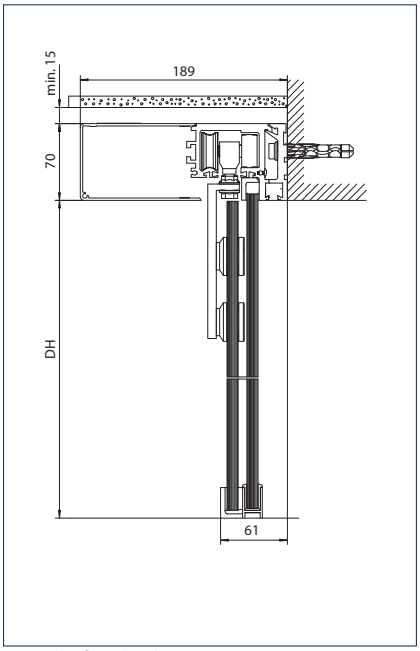
All-glass system (GGS)

Door leaf and side parts

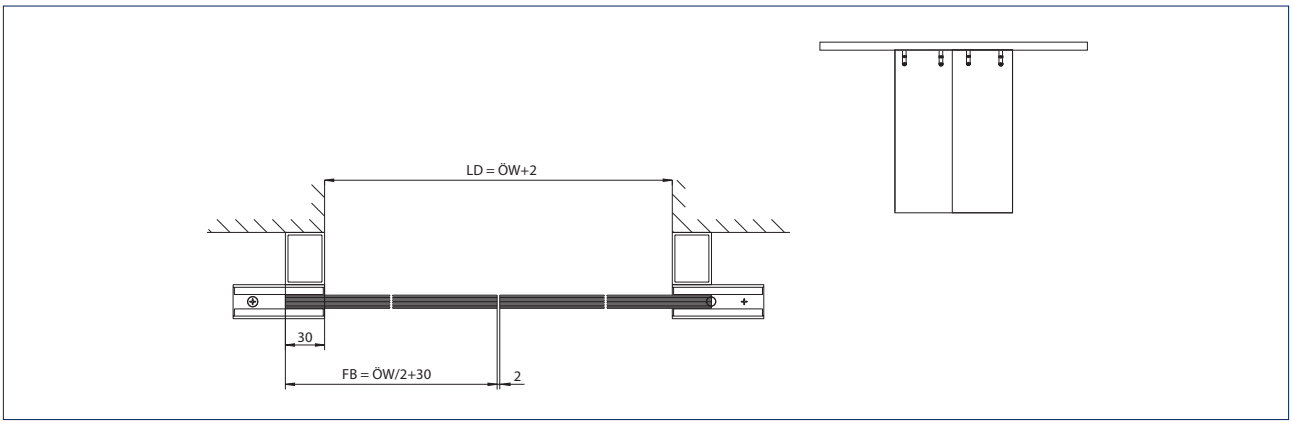
Drawing no. 70484-ep45



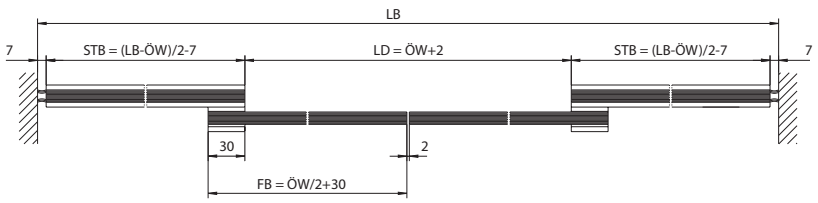
Door leaf
DH = Passage height

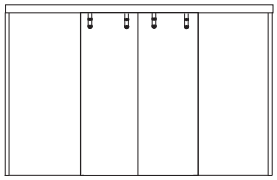


Door leaf and side parts
DH = Passage height



2-leaf door system with door leaf
LD = Clear passage
FB = Leaf width
ÖW = Opening width





2-leaf door system with door leaf and side parts
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FB = Leaf width
ÖW = Opening width

Calculations for Slimdrive SL WK2

Drive length and glass dimensions

Calculation of the drive length AL in mm*

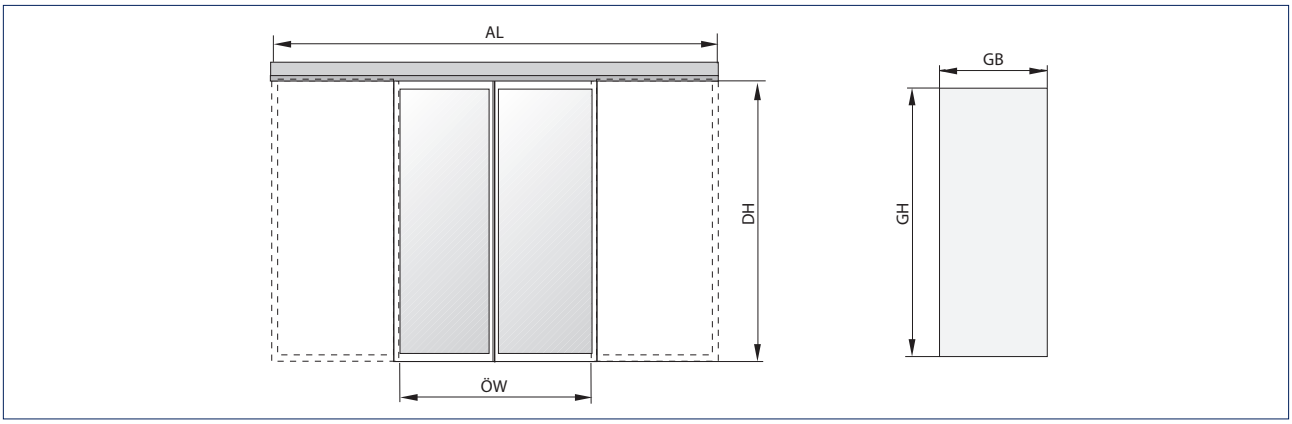
	Slimdrive SL WK2	Slimdrive SL-FR WK2**
2-leaf	ÖW = 900 - 1000, AL = ÖW + 1100	ÖW = 900 - 1000, AL = ÖW + 1100
	ÖW = 1000 - 3000, AL = 2 x ÖW + 100	ÖW = 1000 - 3000, AL = 2 x ÖW + 100
* Minimum overall length of the system with ISO-glass profile system		
** Request drawing for FR variations (FR-RWS, FR-LL)!		

Note:
Opening widths of emergency route sliding doors < 1000 mm are only permitted in exceptional cases.
For external installations with an opening width of more than 2000 mm, a continuous floor guide is recommended.
The minimum opening widths depend on the requirements of building law.

Calculation of leaf and glass dimensions in mm (ISO-glass profile system)

		ISO-glass (according to WK2)
Leaf width	2-leaf	ÖW / 2 + 40
Leaf height		DH - 17
Glass width		ÖW / 2 - 20
Glass height		FH - 90
Glass thickness		max. 23.5

Note:
max. leaf ratio width to height 1:4

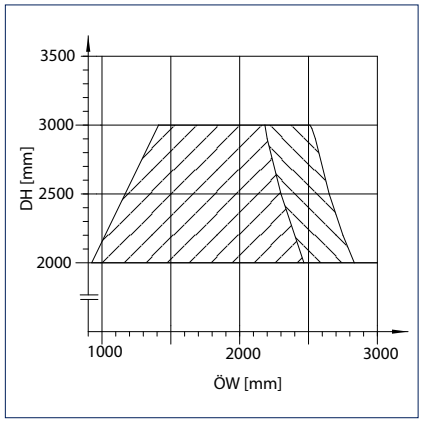


AL = Drive length
DH = Passage height
GB = Glass width
GH = Glass height
ÖW = Opening width

Areas of application Slimdrive SL WK2

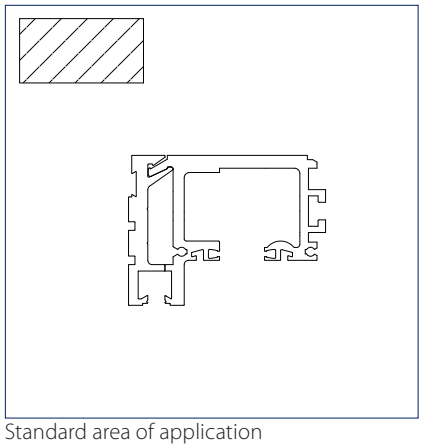
Slimdrive SL/-FR WK2

2-leaf

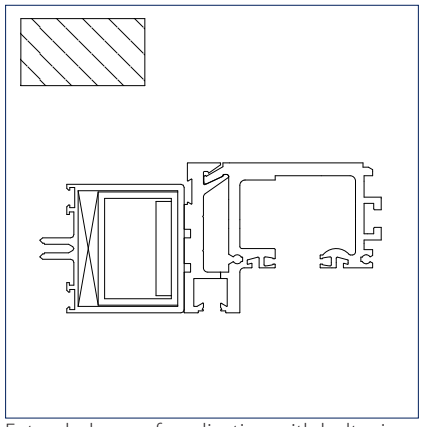


DH = Passage height
ÖW = Opening width

Profiles



Standard area of application



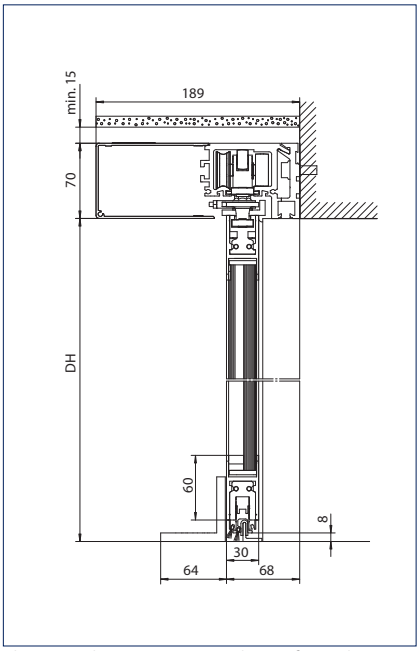
Extended area of application with bolt reinforcement (steel tube) in the passage area (provided by customer).

GEZE Slimdrive SL WK2

ISO/MONO-glass fitting

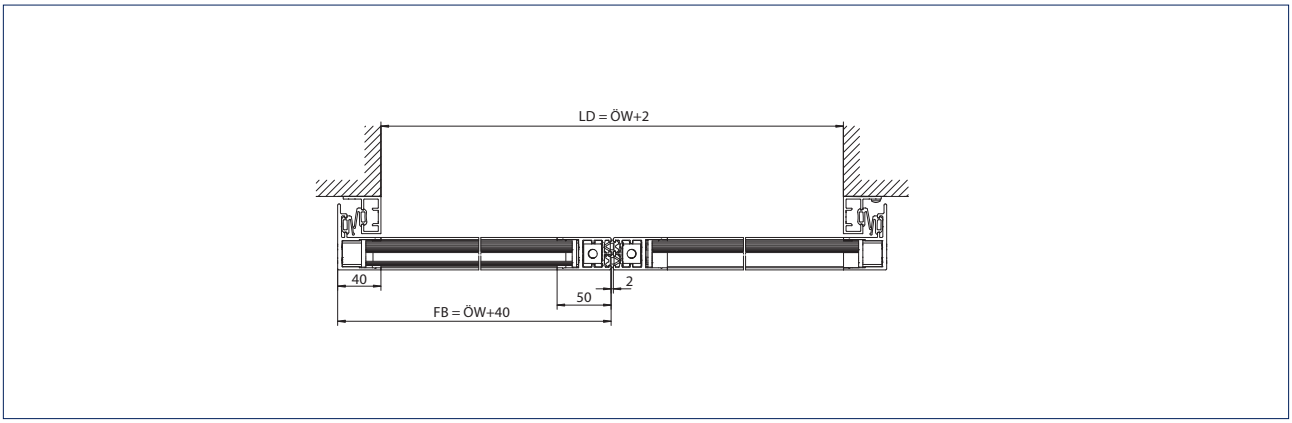
Door leaf

Drawing no. 70484-ep-46



Floor guide: Pointwise with reinforced supporting bracket

DH = Passage height



2-leaf door system

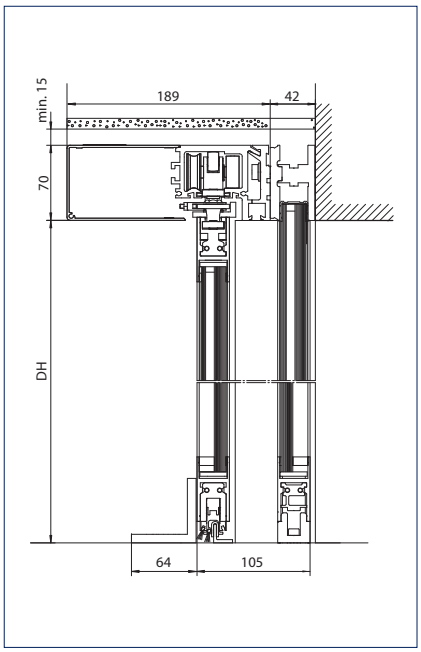
LD = Clear passage

FB = Leaf width

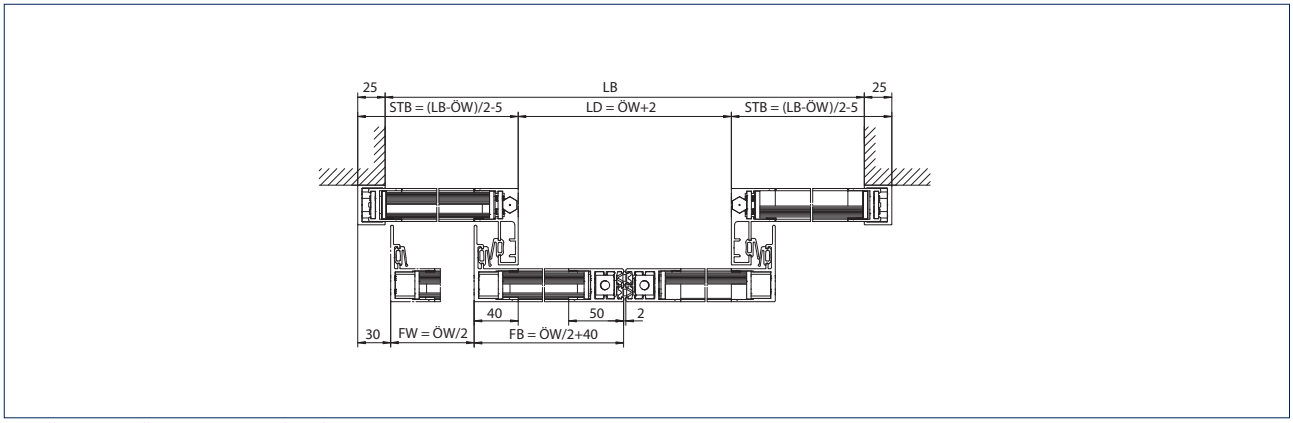
ÖW = Opening width

Door leaf and side parts
Drawing no. 70484-ep-46

Note: See installation drawing for area of application



Floor guide: Pointwise with reinforced supporting bracket
DH = Passage height

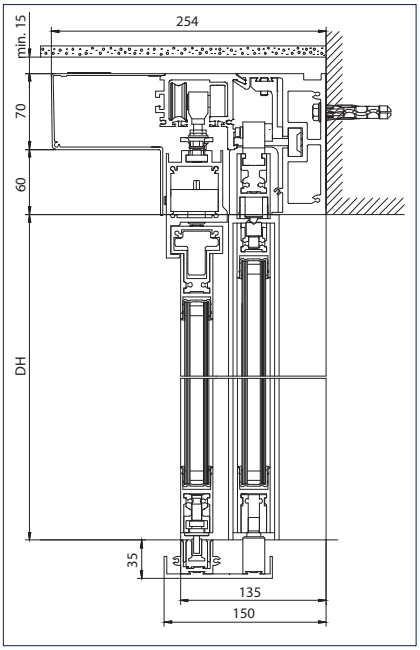


Installation: Wall mounting with side parts
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

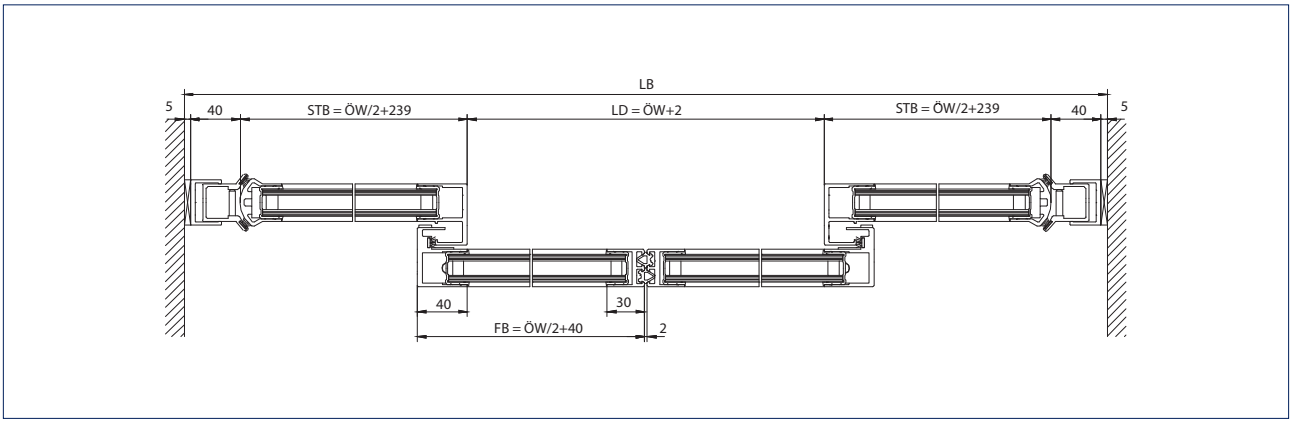
GEZE Slimdrive SL-BO

ISO/MONO-glass fine-framed

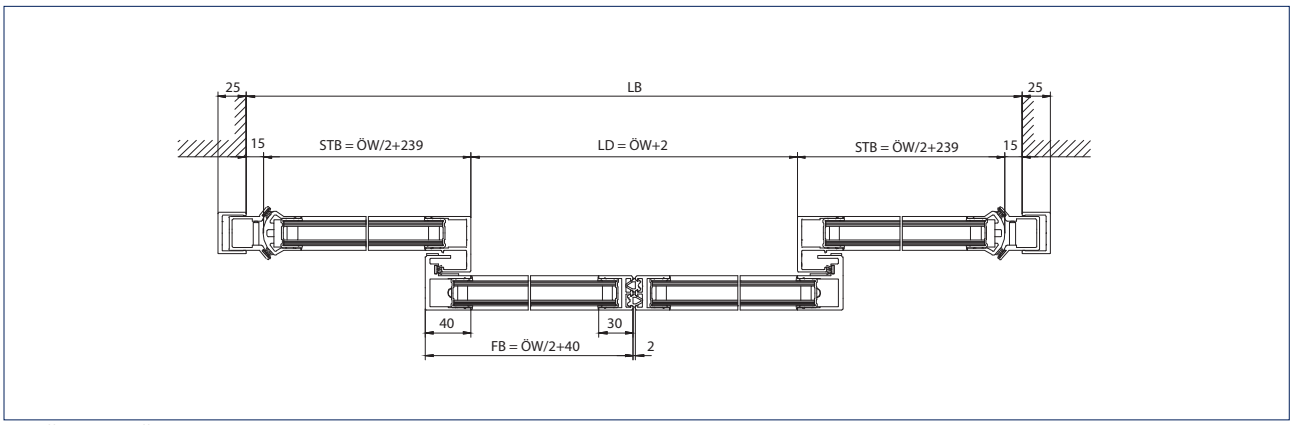
Door leaf and side parts
Drawing no. 70485-ep51



Door system with door leaf and side parts
DH = Passage height



Installation: Cantilevered installation



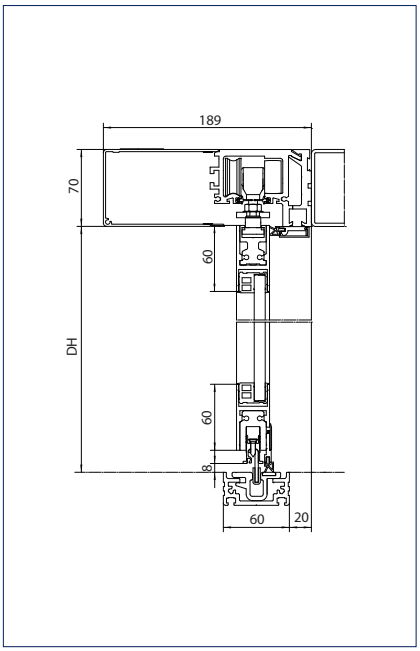
Installation: Wall mounting

LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FB = Leaf width
ÖW = Opening width

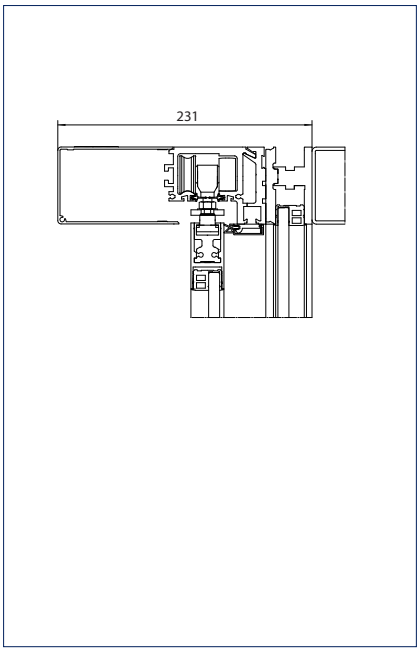
GEZE Slimdrive SL-RD

ISO/MONO-glass fine-framed

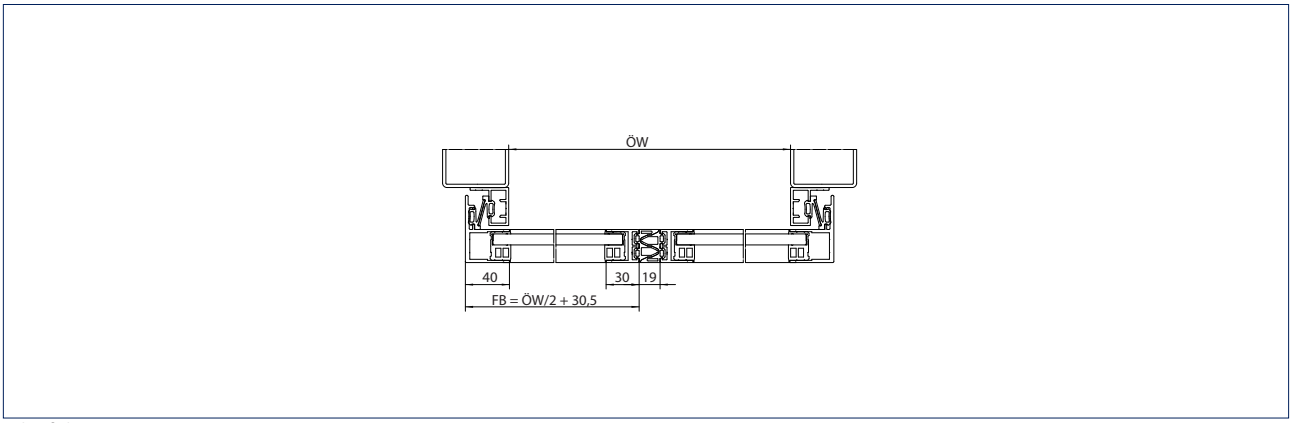
Drawing no. 70484-ep39



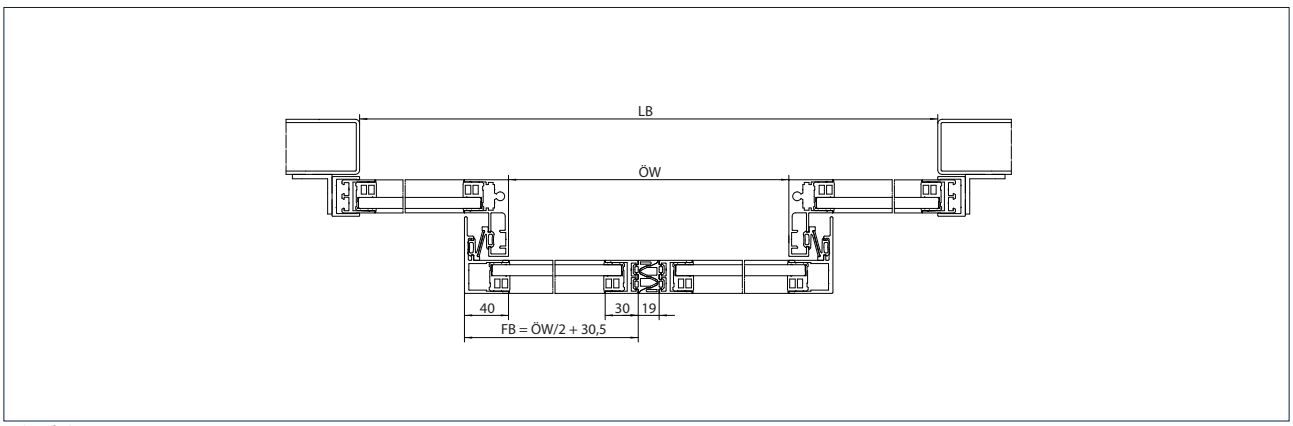
Drive on bolt profile
DH = Passage height



Drive with side parts on bolt profile



2-leaf door system
FB = Leaf width
ÖW = Opening width



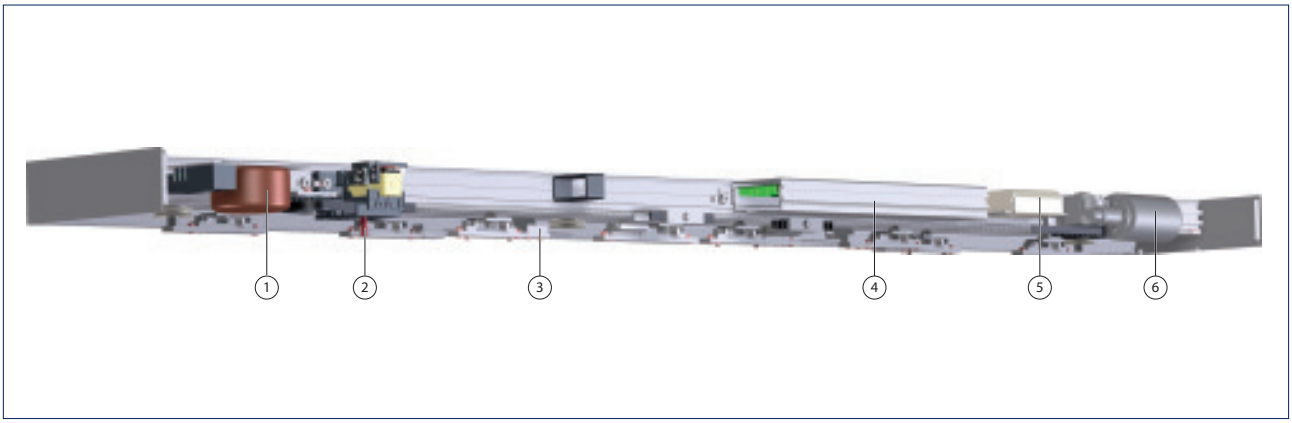
4-leaf door system
FB = Leaf width
LB = Clear passage width
ÖW = Opening width

GEZE SLIMDRIVE SLT

GEZE Slimdrive SLT

Drive system for automatic telescopic sliding doors

The GEZE Slimdrive SLT is used on 2 or 4-leaf telescopic sliding doors made of 22 mm insulated glass or frameless door leaves with concealed fittings (IGG). The Slimdrive SLT moves internal and external doors with leaf weights of up to a 320 kg reliably, inconspicuously and invisibly, thanks to the low overall height of only 7 cm. The drive makes opening widths of up to 3600 mm possible.



1 = Transformer
2 = Locking
3 = Roller carriage
4 = Control
5 = Battery
6 = Motor

Drive components

Technical data	SLT	SLT-FR
Transformer	Ring core with fuse and main switch	
Voltage	230 V	
Frequency	50 – 60 Hz	
Capacity rating	150 W	
Locking	Toothed belt locking, electromagnetic, bi-stable	
Roller carriage		
Door leaf adjustment vertical	7 mm	
Door leaf adjustment horizontal	7 mm	
Anti-tilt protection	Optional	
Self-cleaning	-	-
Control	DCU1	DCU1-2M
With fault memory	●	●
With memory for statistical data	●	●
Software update possible	●	●
Optional bus interface	●	●
Connection for fire alarm system	●	●
Power supply for peripherals	●	●
Programmable inputs	3 pc.	
Programmable outputs	2 pc.	
Battery	NiCd, 24 V, 700 mA	
Motor	Gear motor	Double gear motor
Torque	400 Ncm	

● = YES
- = NOT AVAILABLE

Technical data

Product features	SLT	SLT-FR
For 1-leaf door systems	-	-
For 2-leaf door systems	●	●
For 4-leaf door systems	●	●
Height	70 mm	
Depth	247 mm	
Leaf weight (max.) 2-leaf	80 kg	
Leaf weight (max.) 4-leaf	80 kg	
Opening width 2-leaf	1000 – 3000 mm	
Opening width 4-leaf	1600 – 3600 mm	
Temperature range	-15 – 55 °C	
Disconnection from power supply	Main switch in the drive	
Opening speed (max.)	0,8 m/s	
Closing speed (max.)	0,8 m/s	
Hold-open time	0 – 60 S	
Adjustable opening and closing force (max.)	150 N	
Automatic adaptation to traffic flow	●	●
Automatic reversal when an obstacle is detected	●	●
Pharmacy opening	●	●
Lock function	●	-
Vestibule function	●	-
Automatic opening in the event of a power failure	adjustable	fitted as standard
Automatic closing in the event of a power failure	adjustable	not available
Function in the event of a power failure	adjustable for 30 min. / 30 cycles	Open
Automatic opening in the event of a fault	not available	fitted as standard

● = YES
- = NOT AVAILABLE

Fitting variations

Fittings	SLT
ISO-glass fine-framed	●
MONO-glass fine-framed	-
ESG clamping profile	-
All-glass system (GGS)	-
Integrated all-glass system (IGG)	●
Frame leaf (provided by customer)	-
Wooden leaf (provided by customer)	-
Hermetic leaf	-
Fire protection leaf T30 (Hörmann)	-

● = YES
- = NOT AVAILABLE

Calculations for Slimdrive SLT

Drive length and glass dimensions

Calculation of the drive length AL in mm*

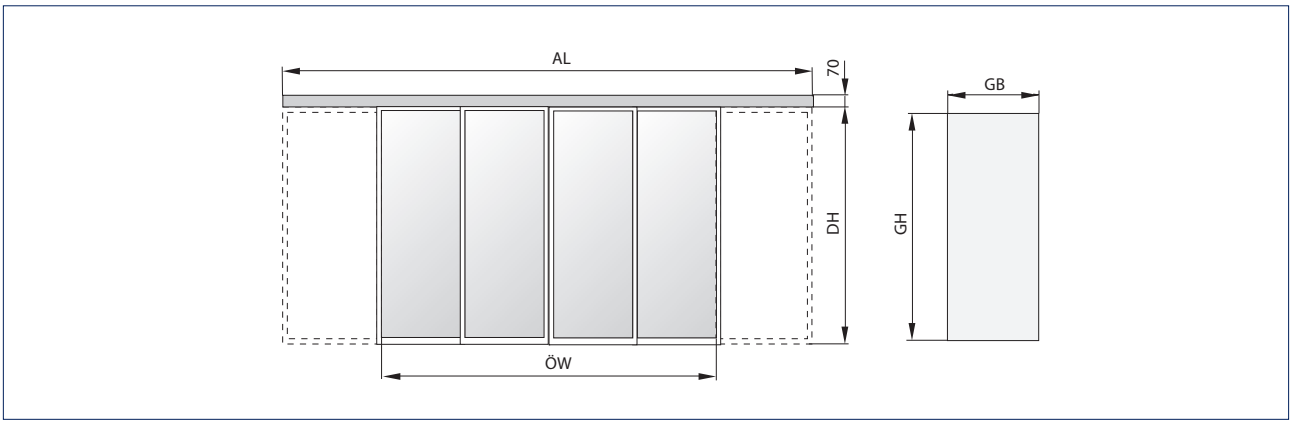
	Slimdrive SLT	Slimdrive SLT-FR
4-leaf	ÖW = 1600 - 1999, AL = ÖW + 1180	ÖW = 1600 - 1999, AL = ÖW + 1180
	ÖW = 2000 - 3600, AL = 1,5 x ÖW + 150	ÖW = 2000 - 3600, AL = 1,5 x ÖW + 150
2-leaf, closing on the right	ÖW = 1000 - 1360, AL = ÖW + 770	ÖW = 1000 - 1560, AL = ÖW + 870
	ÖW = 1360 - 3000, AL = 1,5 x ÖW + 90	ÖW = 1560 - 3000, AL = 1,5 x ÖW + 90
2-leaf, closing on the left	ÖW = 1000 - 1460, AL = ÖW + 780	ÖW = 1000 - 1660, AL = ÖW + 880
	ÖW = 1460 - 3000, AL = 1,5 x ÖW + 50	ÖW = 1660 - 3000, AL = 1,5 x ÖW + 50
* Minimum overall length of the system with ISO-glass profile system		

Note:
Opening widths of emergency route sliding doors < 1000 mm are only permitted in exceptional cases.
A continuous floor guide is generally recommended for outdoor systems.
The minimum opening widths depend on the requirements of building law.

Calculation of leaf and glass dimensions in mm

depending on the opening width and passage height			
		Internal leaf	External leaf
Leaf width	2-leaf	ÖW / 2 + 40	
	4-leaf	ÖW / 4 + 40	
Leaf height	2 or 4-leaf	DH - 17	
Glass width	2-leaf	ÖW / 2	ÖW / 2 - 10
	4-leaf	ÖW / 4	ÖW / 4 - 10
Glass height	2 or 4-leaf	FH - 90	FH - 90
Glass thickness		22	22

Note:
max. leaf ratio width to height 1:4 or 1:5 in the case of 4-leaf systems, ÖW 1600 - 2000 mm

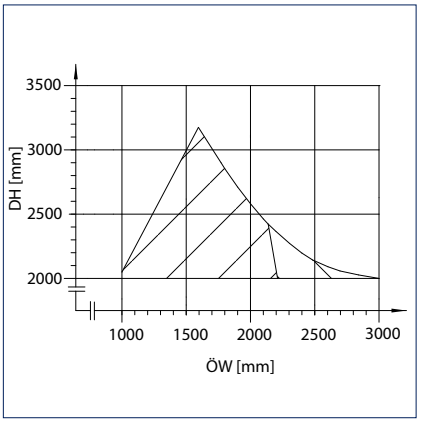


AL = Drive length
DH = Passage height
GB = Glass width
GH = Glass height
ÖW = Opening width

Areas of application for Slimdrive SLT

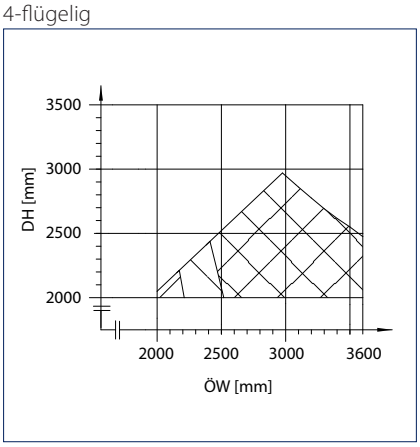
Cantilever carrier Slimdrive SLT

2-leaf



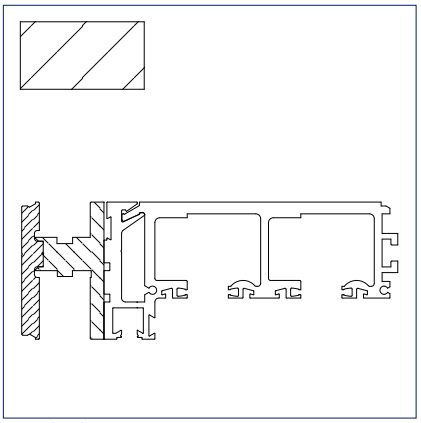
DH = Passage height
ÖW = Opening width

4-flügelig

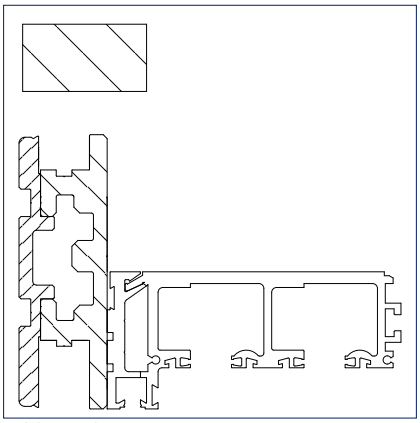


DH = Passage height
ÖW = Opening width

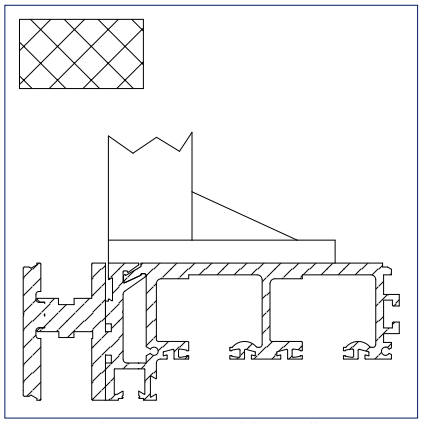
Profiles



Standard carrier SL



Additional carrier EC/SL



Carrier and running rail additionally suspended from the ceiling

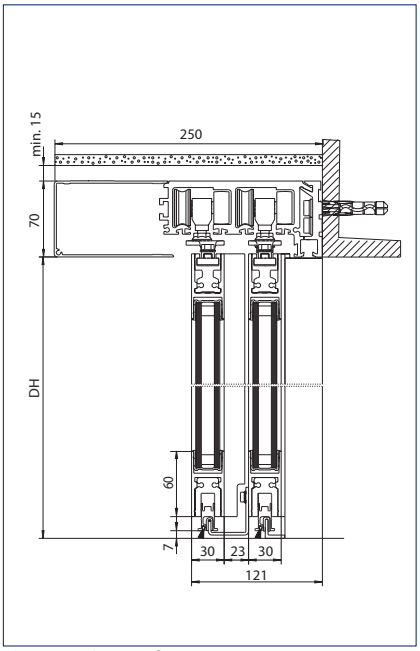
GEZE SLIMDRIVE SLT

Slimdrive SLT

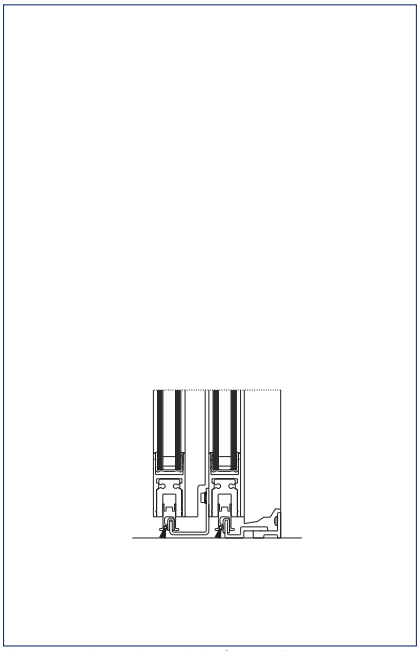
ISO/MONO-glass fitting

Door leaf

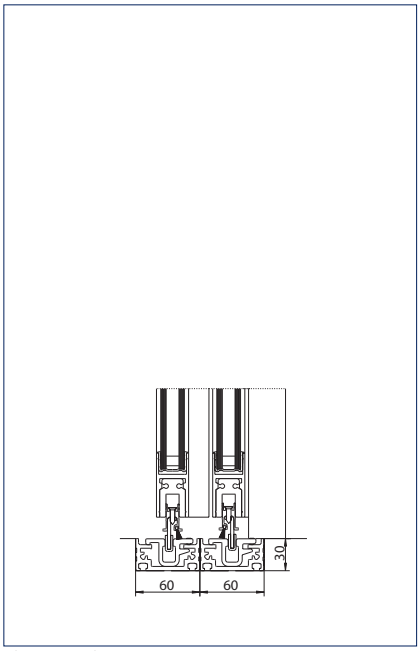
Drawing no. 70487-ep01



Floor guide: For floor mounting

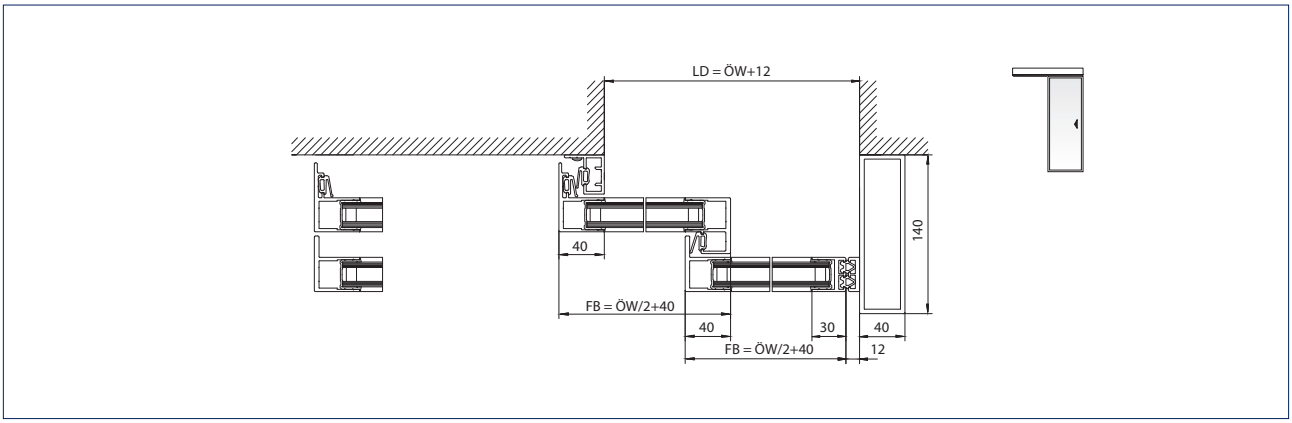


Floor guide: Adjustable for wall mounting



Floor guide: Continuous

DH = Passage height

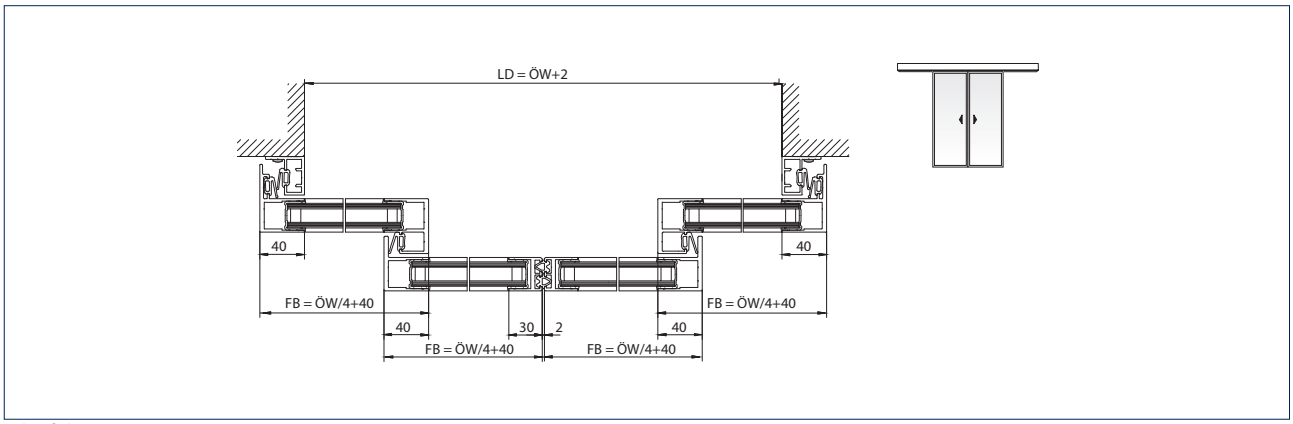


1-leaf door system

LD = Clear passage

FB = Leaf width

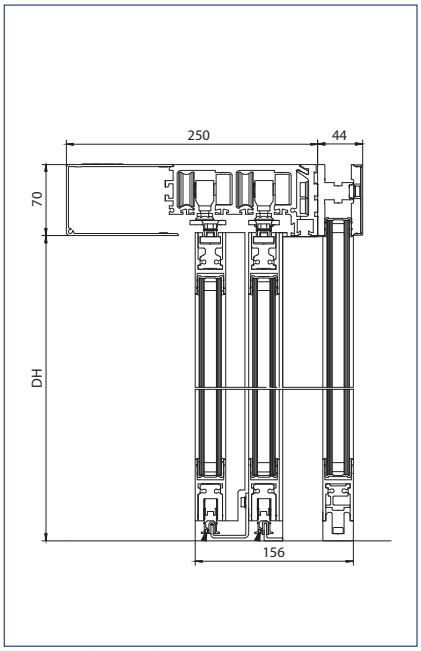
ÖW = Opening width



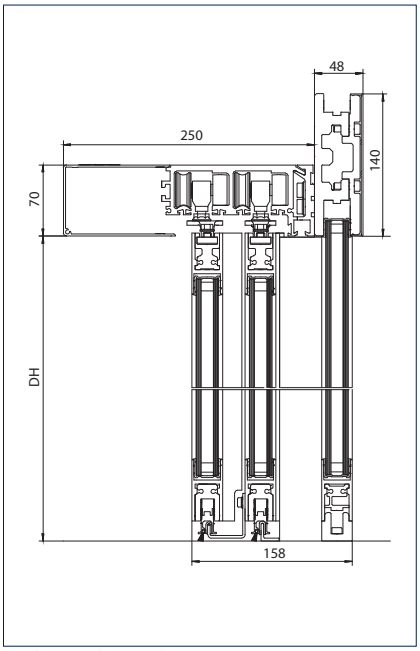
2-leaf door system
LD = Clear passage
FB = Leaf width
ÖW = Opening width

Door leaf and side parts

Drawing nos. 70717-ep02 + 70717-ep04

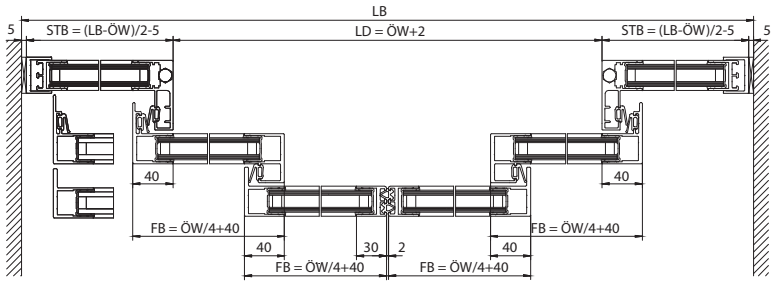


Low cantilevered carrier
DH = Passage height



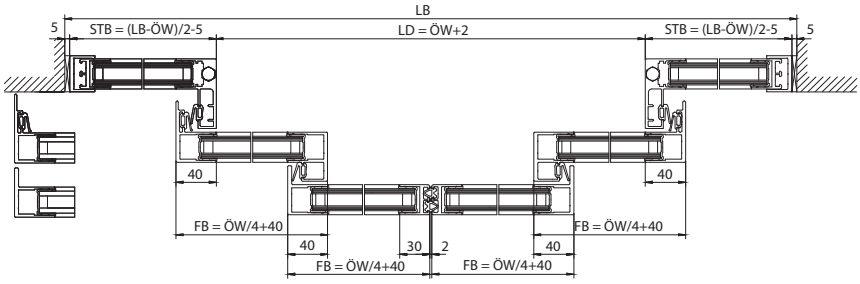
High cantilevered carrier
DH = Passage height

GEZE SLIMDRIVE SLT



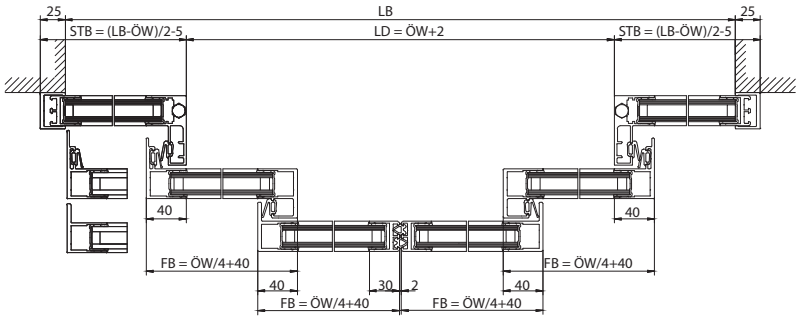
Installation: Cantilevered installation
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FB = Leaf width
ÖW = Opening width

Note: See installation drawing for area of application



Installation: Wall mounting with longer drive and carrier between the walls
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FB = Leaf width
ÖW = Opening width

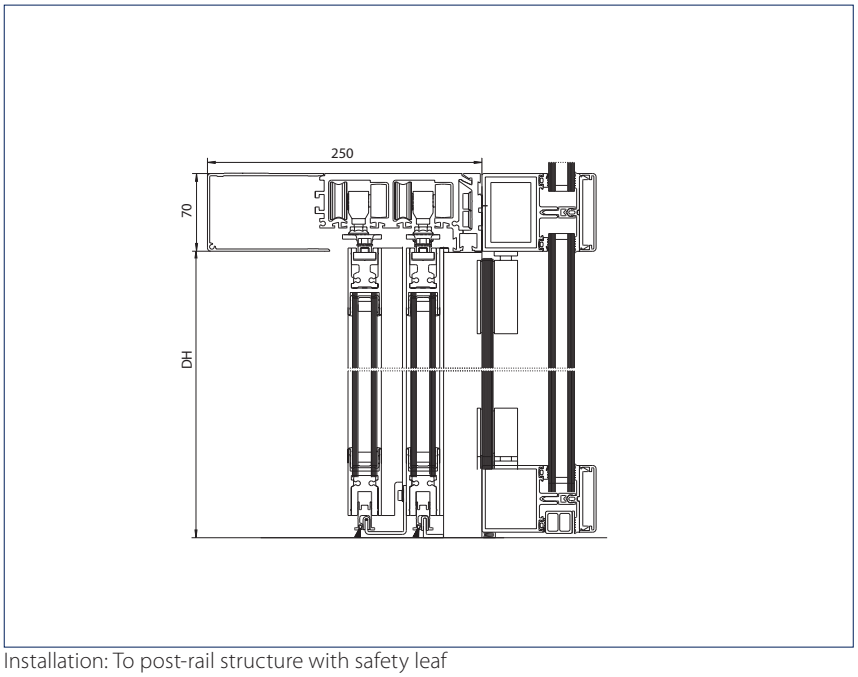
Note: See installation drawing for area of application



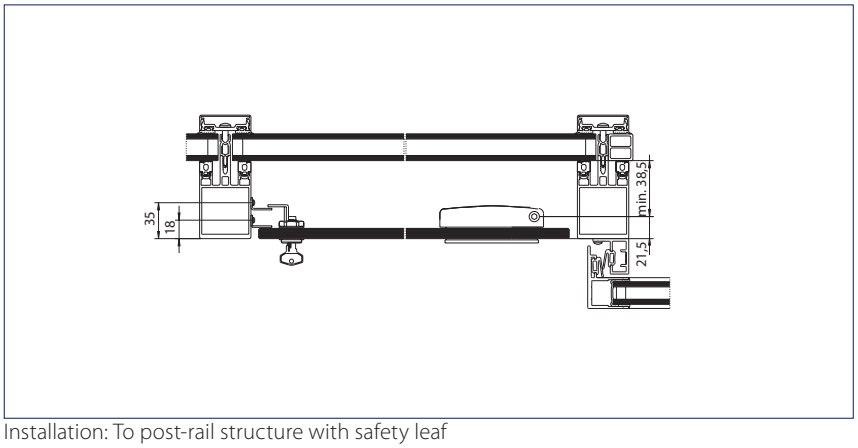
Installation: Wall mounting
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FB = Leaf width
ÖW = Opening width

Door leaf and safety leaf
Drawing no. 70487-ep01

Note: See installation drawing for area of application



Installation: To post-rail structure with safety leaf
DH = Passage height



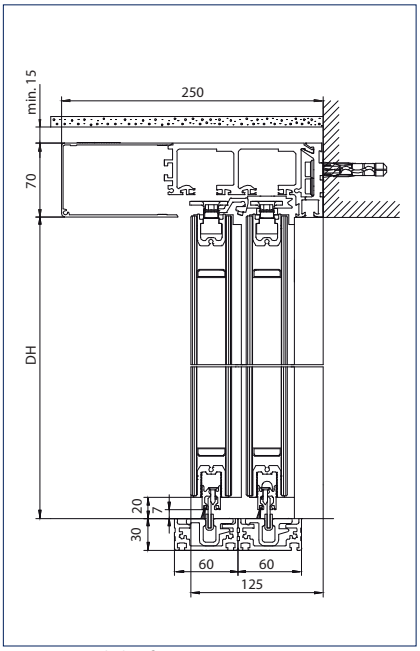
Installation: To post-rail structure with safety leaf

GEZE Slimdrive SLT

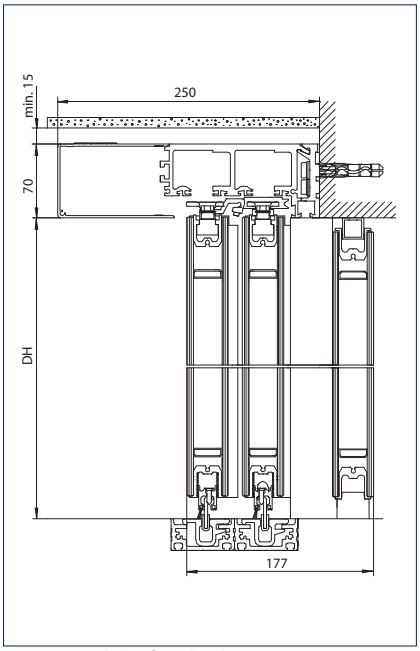
Integrated all-glass system (IGG)

Door leaf and side parts

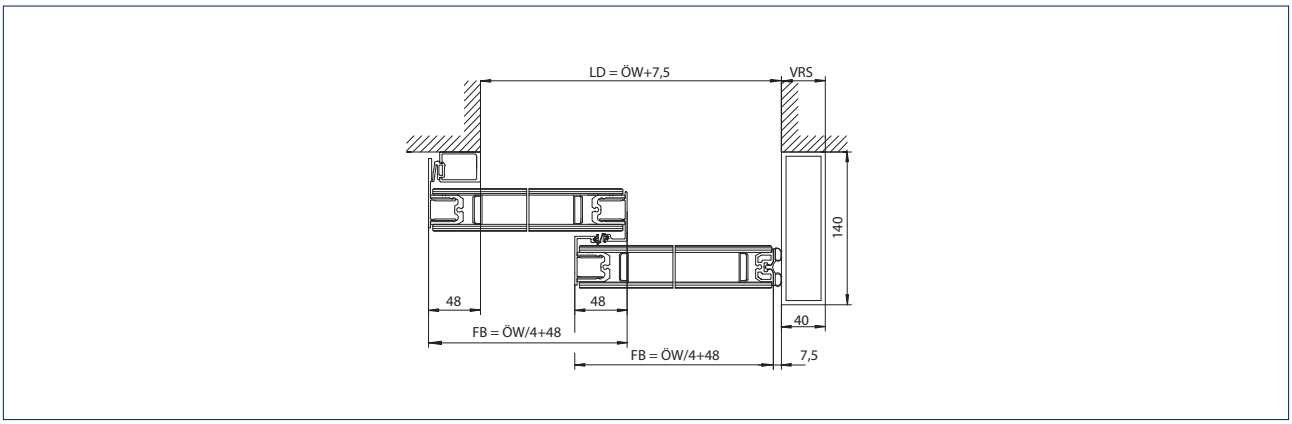
Drawing no. 70487-ep07



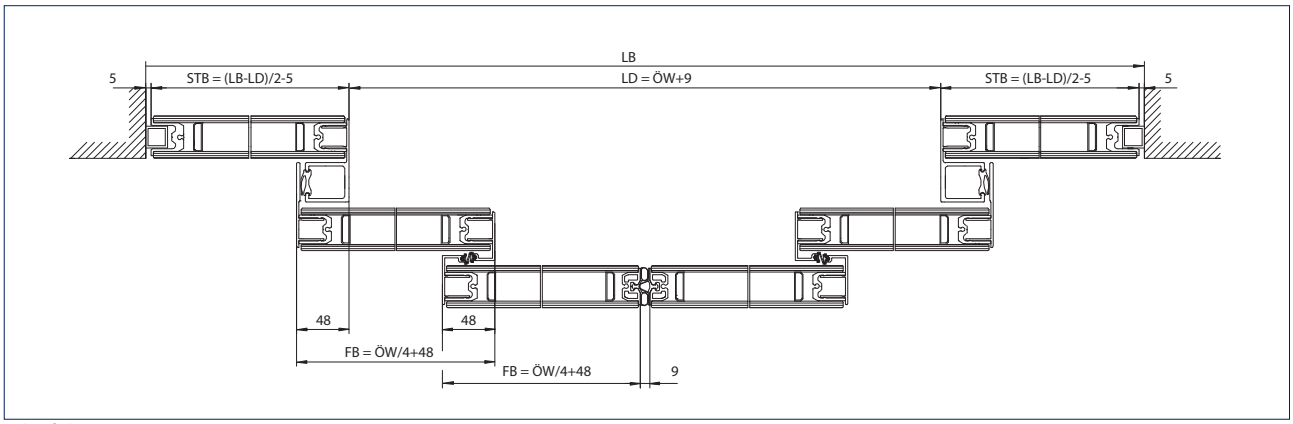
Version with leaf
DH = Passage height



Version with leaf and side parts
DH = Passage height



2-leaf door system
LD = Clear passage
FB = Leaf width
ÖW = Opening width
VRS = Drive extension right



4-leaf door system
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
ÖW = Opening width
FB = Leaf width

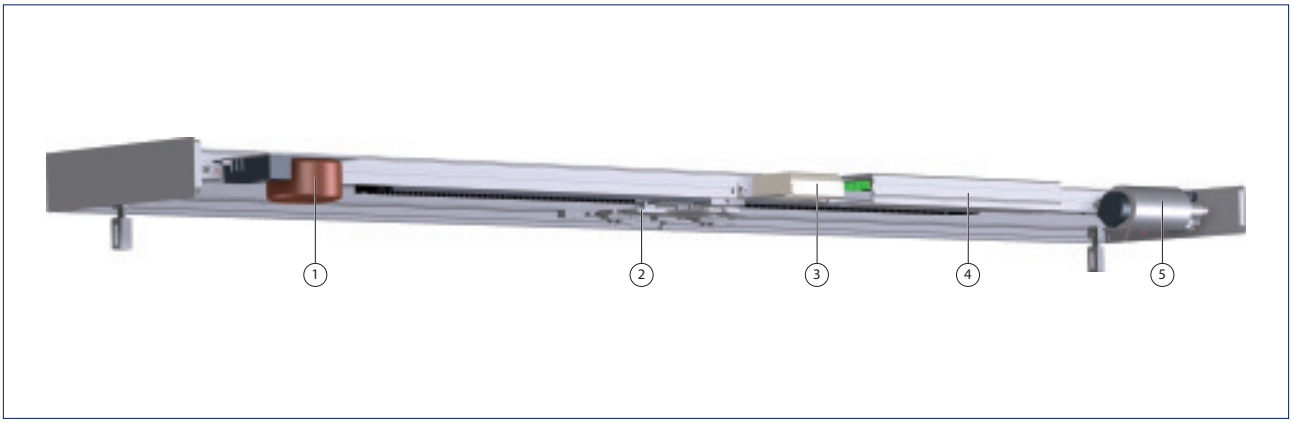
Slimdrive SLT with IGG, Cafe Luitpold Munich, Germany

GEZE SLIMDRIVE SF

GEZE Slimdrive SF

Drive system for automatic folding doors

Wherever maximum passage widths must be achieved in tight spaces, the use of automatic doors with horizontal folding door leaves is the optimum solution. The GEZE automatic folding door system with the 7 cm drive height characteristic of the Slimdrive family guarantees maximum passage height for conversions, for example. The low overall height of the drive makes it almost unnoticeable, yet it is highly efficient. Retrofitting to existing facades is no problem. The optional break axle feature ensures the door is locked safely at night.



1 = Transformer
2 = Roller carriage
3 = Battery
4 = Control
5 = Motor

Drive components

Technical data	SF	SF-FR
Transformer	Ring core with fuse and main switch	
Voltage	230 V	
Frequency	50 – 60 Hz	
Capacity rating	150 W	
Roller carriage		
Control	DCU1	DCU1-2M
With fault memory	●	●
With memory for statistical data	●	●
Software update possible	●	●
Optional bus interface	●	●
Connection for fire alarm system	●	●
Power supply for peripherals	●	●
Programmable inputs	3 pc.	
Programmable outputs	2 pc.	
Battery	NiCd, 24 V, 700 mA	
Motor	Gear motor	Double gear motor
Torque	400 Ncm	

● = YES
- = NOT AVAILABLE

Technical data

Product features	SF	SF-FR
For 1-leaf door systems	-	-
For 2-leaf door systems	-	-
For 4-leaf door systems	●	●
Height	70 mm	
Depth	282 mm	
Leaf weight (max.) 4-leaf	40 kg	
Opening width 4-leaf	900 – 2000 mm	
Passage height (max.)	2200 mm	
Temperature range	-15 – 55 °C	
Enclosure rating	IP 20	
Disconnection from power supply	Main switch in the drive	
Opening speed (max.)	0,8 m/s	
Closing speed (max.)	0,8 m/s	
Hold-open time	0 – 60 S	
Adjustable opening and closing force (max.)	150 N	
Automatic adaptation to traffic flow	●	●
Automatic reversal when an obstacle is detected	●	●
Pharmacy opening	●	●
Lock function	●	-
Vestibule function	●	-
Automatic opening in the event of a power failure	adjustable	fitted as standard
Automatic closing in the event of a power failure	adjustable	not available
Function in the event of a power failure	adjustable for 30 min. / 30 cycles	Open
Automatic opening in the event of a fault	not available	fitted as standard

● = YES
- = NOT AVAILABLE

Fitting variations

Fittings	SF
ISO-glass fine-framed	●
MONO-glass fine-framed	●
ESG clamping profile	-
All-glass system (GGS)	-
Integrated all-glass system (IGG)	-
Frame leaf (provided by customer)	-
Wooden leaf (provided by customer)	-
Hermetic leaf	-
Fire protection leaf T30 (Hörmann)	-

● = YES
- = NOT AVAILABLE

Calculations for Slimdrive SF

Drive length and glass dimensions

Calculation of the drive lenght (AL) in mm*

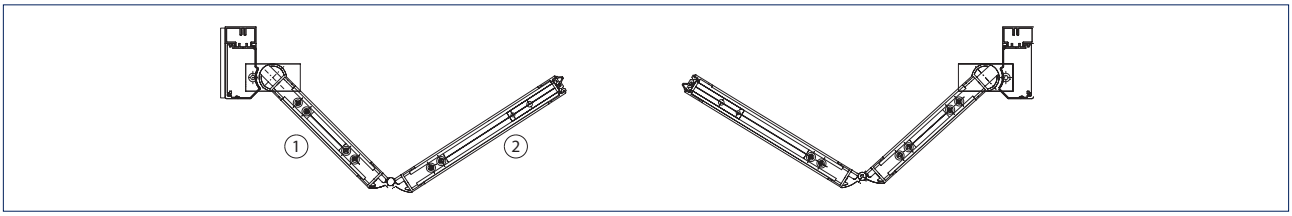
	Slimdrive SF
4-leaf	ÖW = 900 - 2000*, AL = ÖW + 334
* Minimum overall length of the system with ISO-glass profile system	

Note:
Opening widths of emergency route sliding doors < 1000 mm are only permitted in exceptional cases.
A continuous floor guide is generally recommended for outdoor systems.
A continuous floor guide is recommended from 1400 mm for indoor use.
The minimum opening widths depend on the requirements of building law.

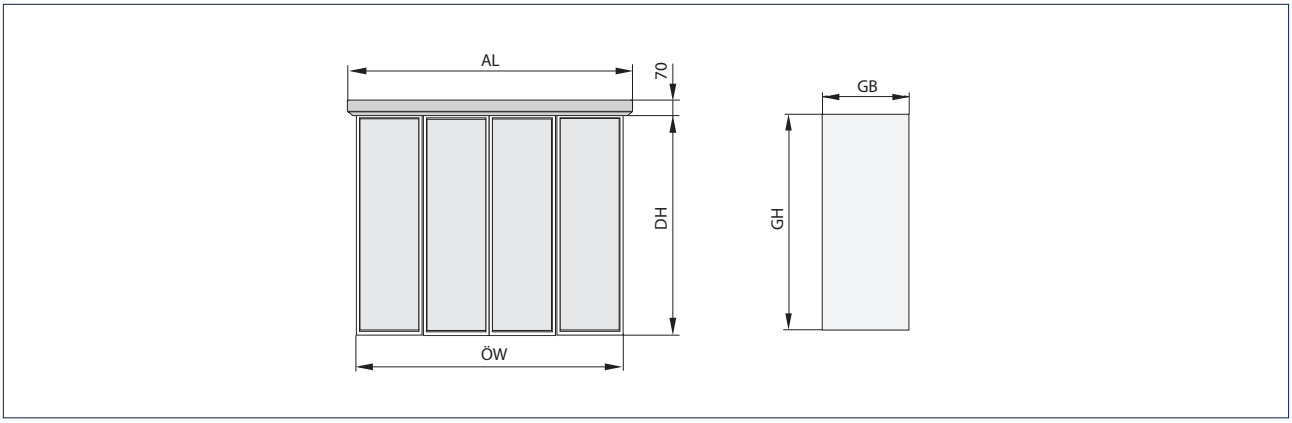
Calculation of leaf and glass dimensions in mm

	Slimdrive SF
Driving leaf	Glass width = ÖW / 4 + 10.5
Following leaf	Glass width = ÖW / 4 + 1.5
Glass height	DH - 82
Glass thickness ISO-glass	22
Glass thickness ESG/VSG	10

Note:
max. leaf ratio width to height 1:4



1 = Following leaf
2 = Driving leaf



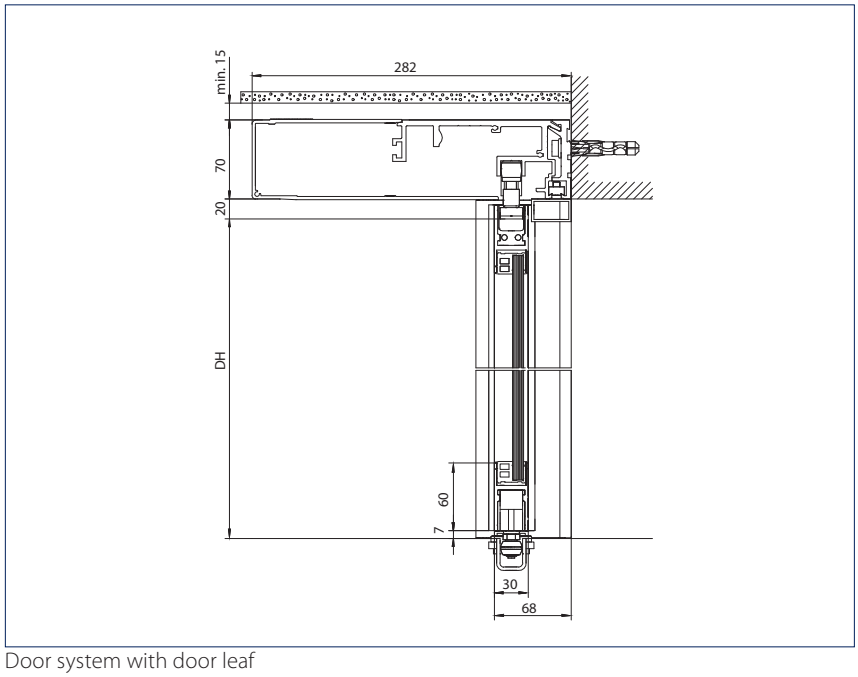
AL = Drive length
DH = Passage height
GB = Glass width
GH = Glass height
ÖW = Opening width

GEZE Slimdrive SF

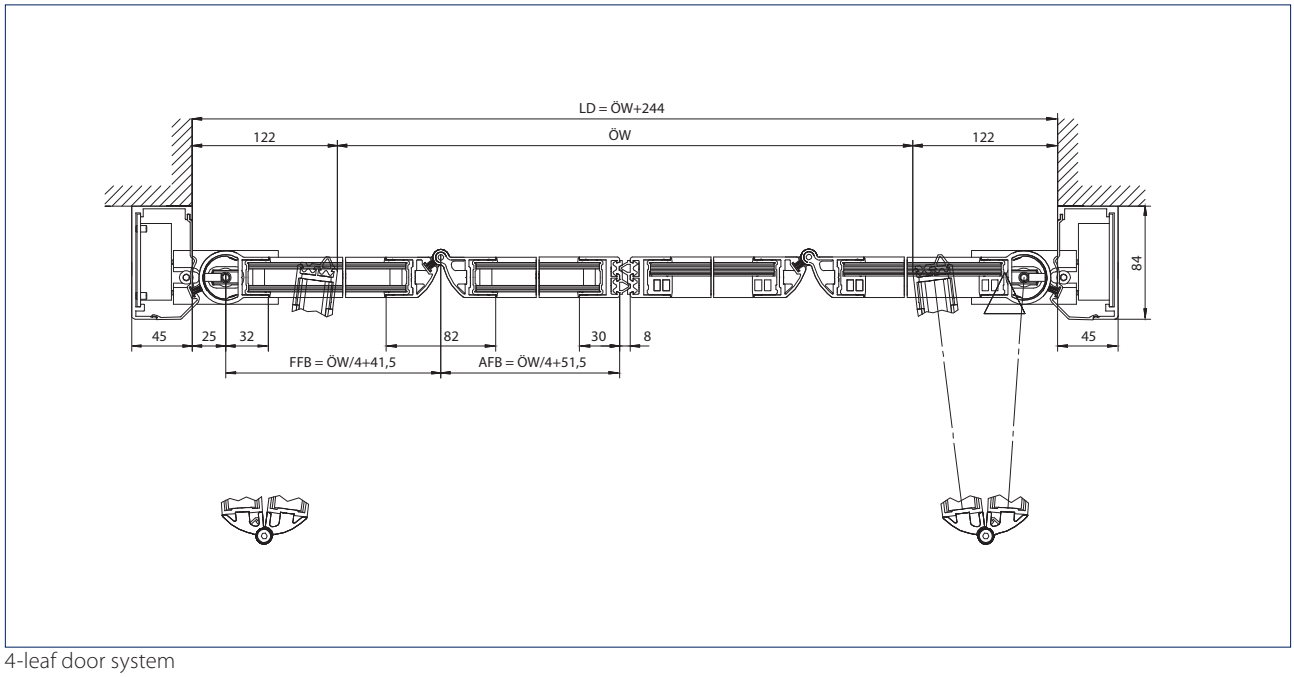
ISO/MONO-glass fitting

Door leaf

Drawing no. 70497-ep01 + 70497-ep02



Door system with door leaf
DH = Passage height

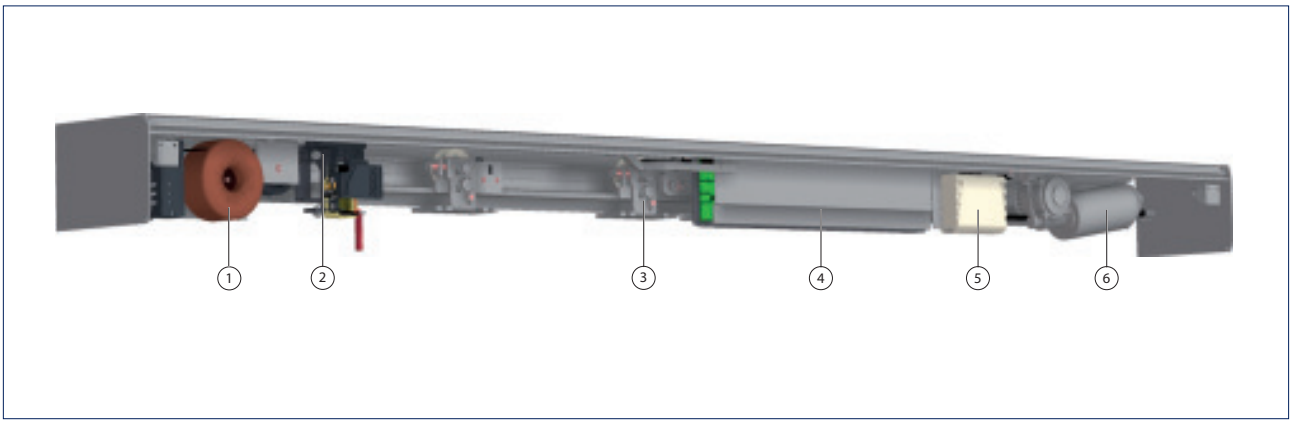


4-leaf door system
LD = Clear passage
ÖW = Opening width
FFB = Width of following leaf
AFB = Width of driving leaf

GEZE ECdrive

Drive system for linear sliding doors in high traffic areas

The linear sliding door system GEZE ECdrive offers numerous convincing benefits at an excellent cost/performance ratio. The drive is suitable for doors in high traffic areas. The ECdrive covers door leaf weights of up to 120 kg and is uncompromisingly reliable. High-quality materials and the latest control technology guarantee high efficiency. Servicing costs are considerably reduced thanks to the self-cleaning roller carriage. The rounded hood in the elegant GEZE design gives the system an attractive appearance.



1 = Transformer
2 = Locking
3 = Roller carriage
4 = Control
5 = Battery
6 = Motor

Drive components

Technical data	ECdrive	ECdrive FR
Transformer	Ring core with fuse and main switch	
Voltage	230 V	
Frequency	50 – 60 Hz	
Capacity rating	150 W	
Locking	Toothed belt locking, electromagnetic, bi-stable	
Roller carriage		
Door leaf adjustment vertical	10 mm	
Door leaf adjustment horizontal	15 mm	
Anti-tilt protection	fitted as standard	
Self-cleaning	●	●
Control	DCU1	DCU1-2M
With fault memory	●	●
With memory for statistical data	●	●
Software update possible	●	●
Optional bus interface	●	●
Connection for fire alarm system	●	●
Power supply for peripherals	●	●
Programmable inputs	3 pc.	
Programmable outputs	2 pc.	
Battery	NiCd, 24 V, 700 mA	
Motor	Gear motor	Double gear motor
Torque	400 Ncm	

● = YES
- = NOT AVAILABLE

Technical data

Product features	ECdrive	ECdrive FR
For 1-leaf door systems	●	●
For 2-leaf door systems	●	●
Height	120 / 150 mm	
Depth	175 mm	
Leaf weight (max.) 1-leaf	120 kg	
Leaf weight (max.) 2-leaf	120 kg	
Opening width 1-leaf	700 – 3000 mm	
Opening width 2-leaf	900 – 3000 mm	
Temperature range	-15 – 55 °C	
Enclosure rating	IP 20	
Disconnection from power supply	Main switch in the drive	
Opening speed (max.)	0,8 m/s	
Closing speed (max.)	0,8 m/s	
Hold-open time	0 – 60 S	
Adjustable opening and closing force (max.)	150 N	
Automatic adaptation to traffic flow	●	●
Automatic reversal when an obstacle is detected	●	●
Pharmacy opening	●	●
Lock function	●	-
Vestibule function	●	-
Automatic opening in the event of a power failure	adjustable	fitted as standard
Automatic closing in the event of a power failure	adjustable	not available
Function in the event of a power failure	adjustable for 30 min. / 30 cycles	Open
Automatic opening in the event of a fault	not available	fitted as standard
Approvals	DIN 18650 BGR232 DIN EN ISO 13849: Performance Level D	DIN 18650 BGR232 DIN EN ISO 13849: Performance Level D AutSchR

● = YES
- = NOT AVAILABLE

Fitting variations

Fittings	ECdrive
ISO-glass fine-framed	●
MONO-glass fine-framed	●
ESG clamping profile	●
All-glass system (GGS)	-
Integrated all-glass system (IGG)	-
Frame leaf (provided by customer)	●
Wooden leaf (provided by customer)	●
Hermetic leaf	-
Fire protection leaf T30 (Hörmann)	-

● = YES
- = NOT AVAILABLE

Calculations for ECdrive

Drive length and glass dimensions

Calculation of the drive length (AL) in mm*

	ECdrive	ECdrive-FR**
2-leaf	ÖW = 900 - 3000, AL = 2 x ÖW + 100	ÖW = 900 - 3000, AL = 2 x ÖW + 100
1-leaf	ÖW = 700 - 3000, AL = 2 x ÖW + 60	ÖW = 700 - 3000, AL = 2 x ÖW + 60

* Minimum overall length of the system with ISO-glass profile system
** Request drawing for the variations!

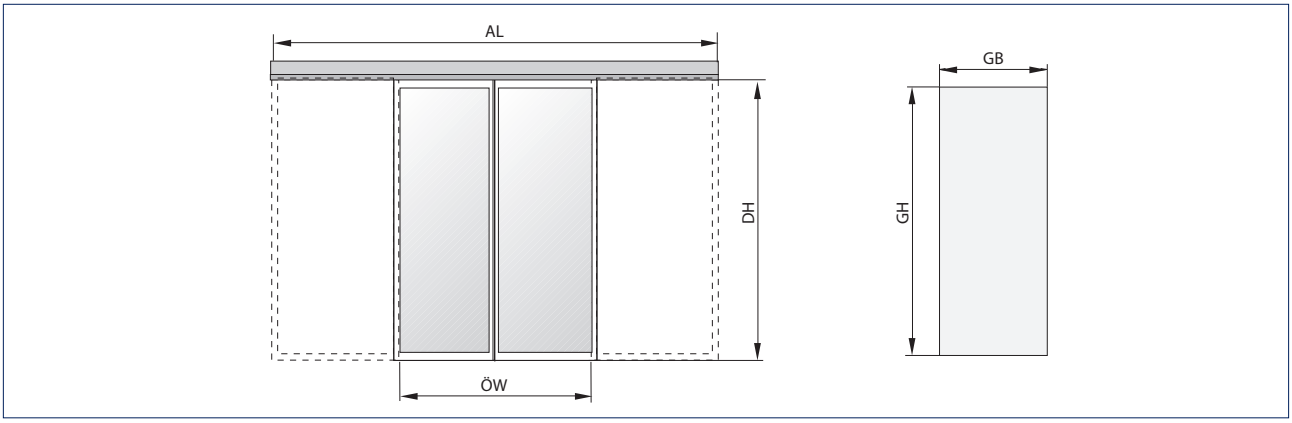
Note:
Opening widths of emergency route sliding doors < 1000 mm are only permitted in exceptional cases.
For external installations with an opening width of more than 2000 mm, a continuous floor guide is recommended.
The minimum opening widths depend on the requirements of building law.

Calculation of leaf and glass dimension in mm

		ISO-glass with Alu-NSK	ISO-glass with rubber NSK	ESG
Leaf width	1-leaf	ÖW + 40	ÖW + 35	ÖW + 35
	2-leaf	ÖW / 2 + 40	ÖW / 2 + 35	ÖW / 2 + 35
Leaf height	with hood 120 mm	DH + 25		
	with hood 150 mm	DH + 55		
Glass width	1-leaf	ÖW	ÖW	ÖW + 9
	2-leaf	ÖW / 2	ÖW / 2	ÖW / 2 + 9
Glass weight		FH - 90	FH - 90	FH - 85
Glass thickness		22	22	10, 12

NSK = secondary closing edge

Note:
max. leaf ratio width to height 1:4

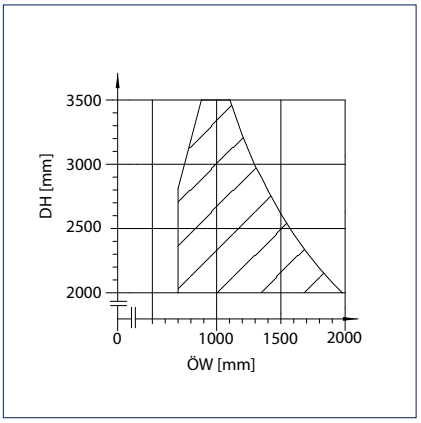


AL = Drive length
DH = Passage height
GB = Glass width
GH = Glass height
ÖW = Opening width

Areas of application ECdrive

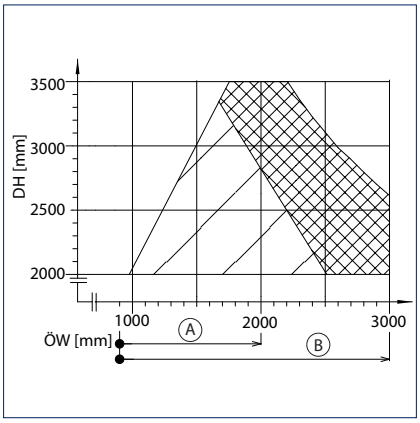
Cantilevered ECdrive ISO-glass fitting

1-leaf



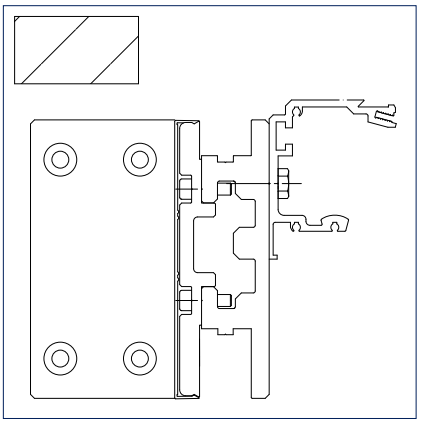
DH = Passage height
ÖW = Opening width

2-leaf

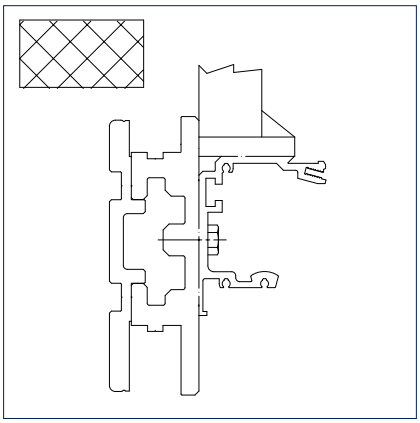


A = Outside area
B = Inside area
DH = Passage height
ÖW = Opening width

Profiles



Standard



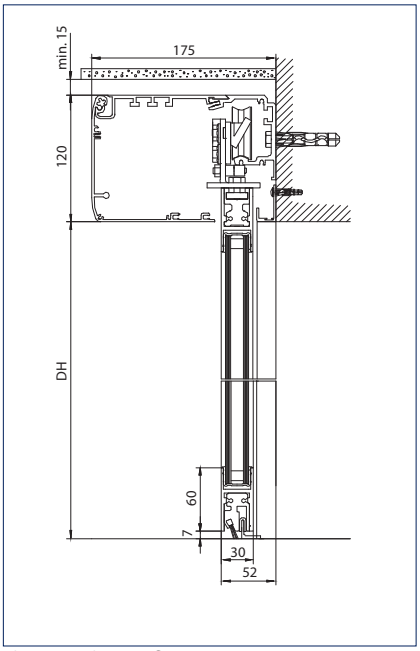
Carrier and running rail additionally suspended from the ceiling

GEZE ECdrive

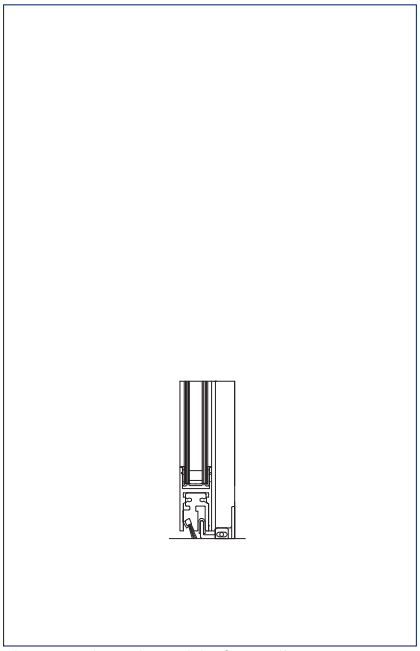
ISO/MONO-glass fitting

Door leaf

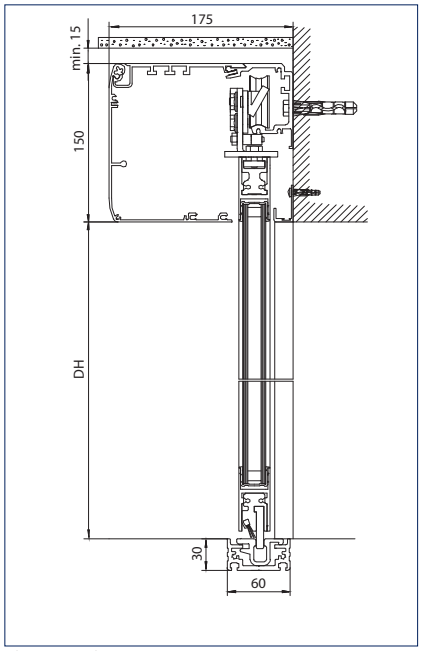
Drawing no. 70504-ep01



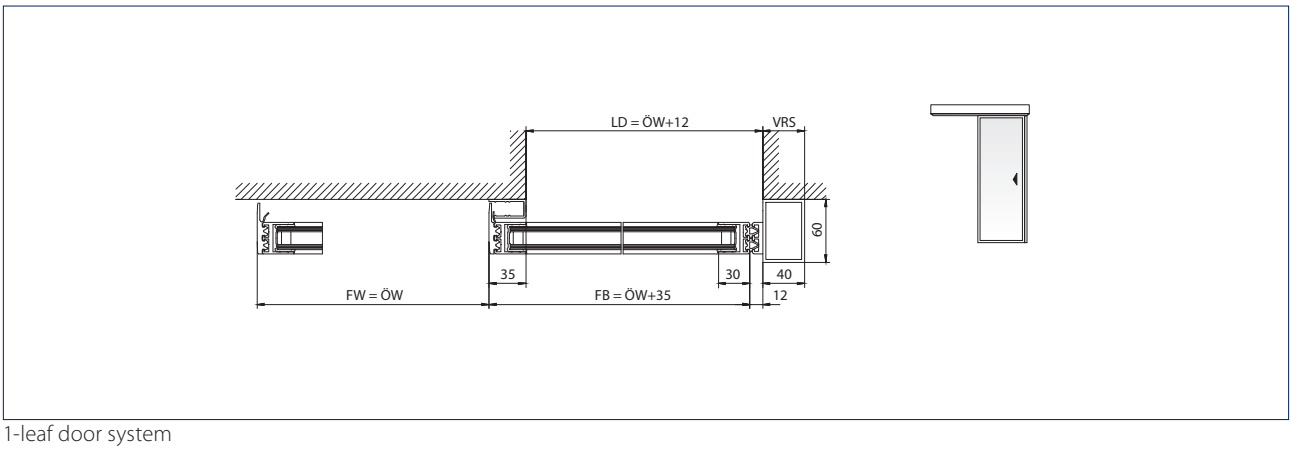
Floor guide: For floor mounting
DH = Passage height



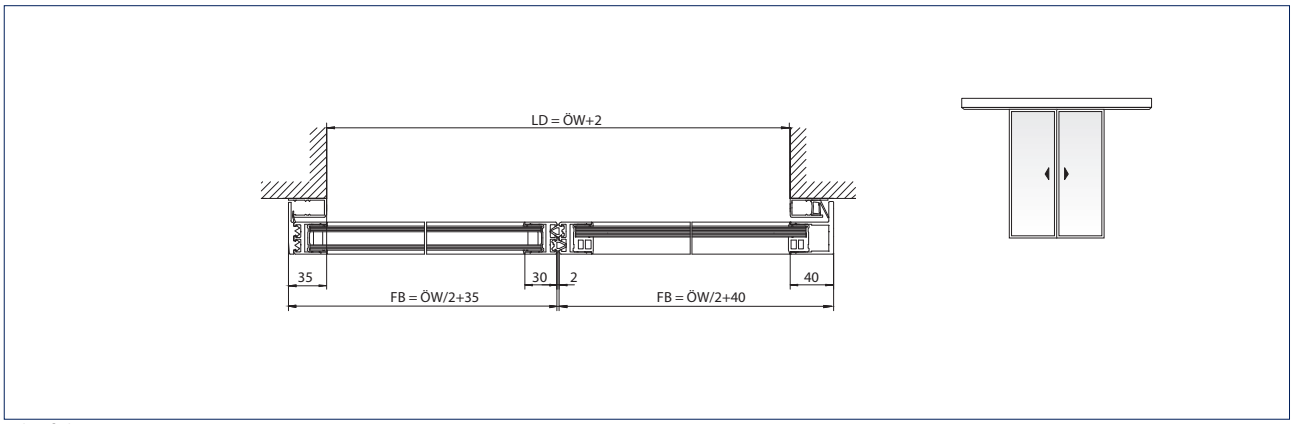
Floor guide: Adjustable for wall mounting



Floor guide: Continuous
DH = Passage height

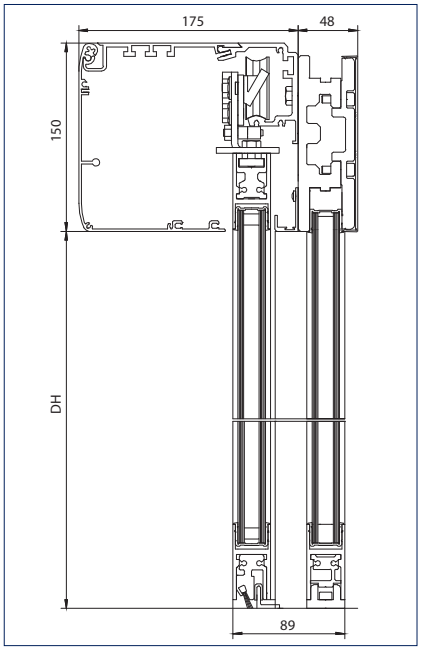


1-leaf door system
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width
VRS = Drive extension right

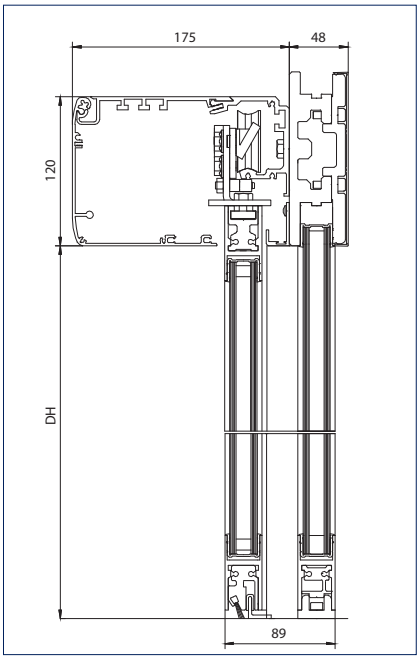


2-leaf door system
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

Door leaf and side parts
Drawing no. 70504-ep12

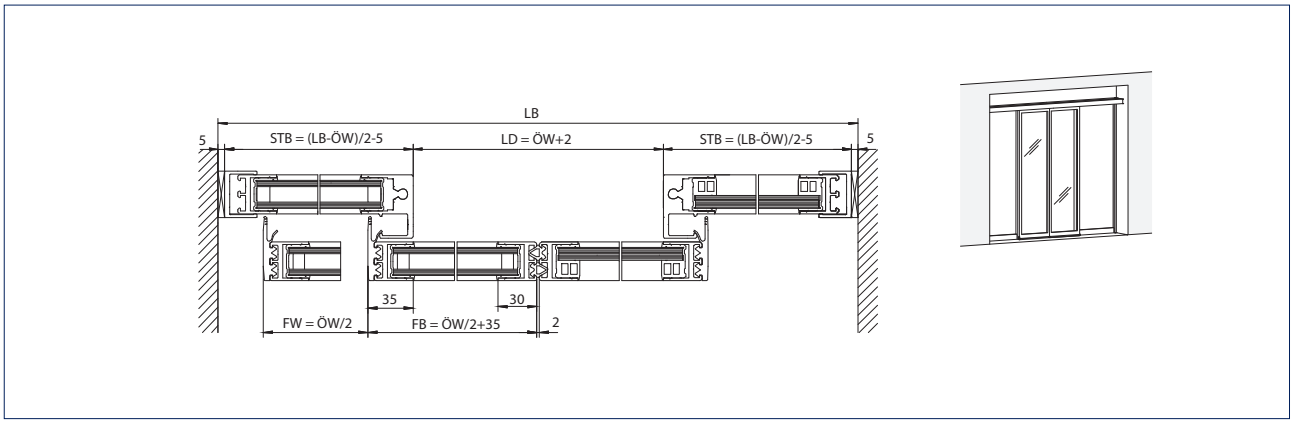


Low cantilevered carrier
DH = Passage height



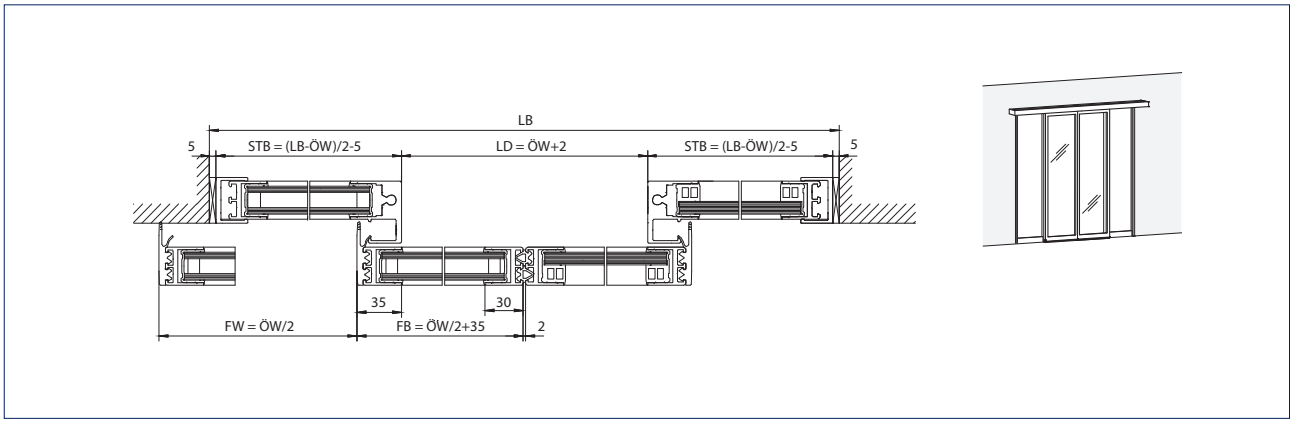
High cantilevered carrier
DH = Passage height

Note: See installation drawing for area of application



Installation: Cantilevered installation
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

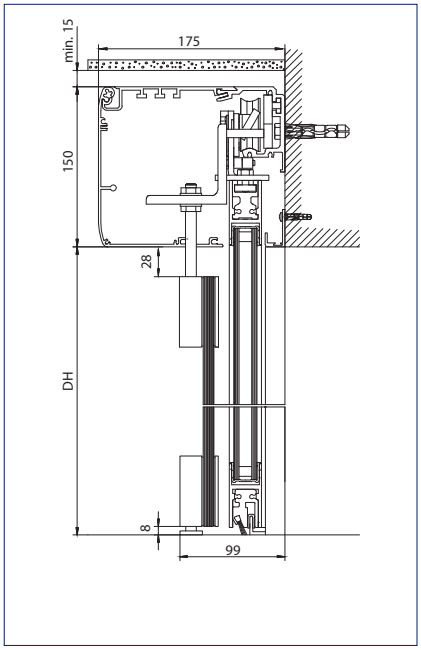
Note: See installation drawing for area of application



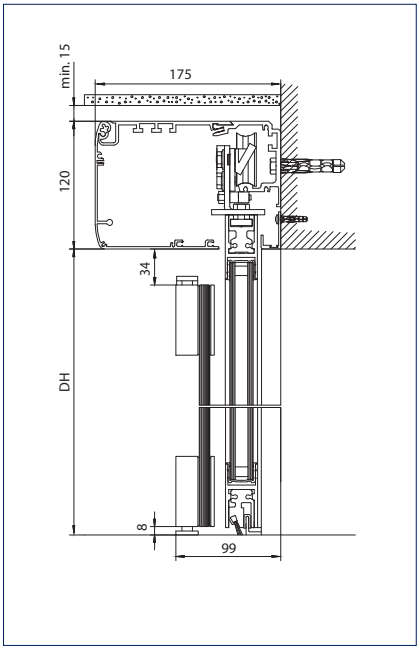
Installation: Wall mounting with longer drive and carrier between the walls
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

Door leaf and protective door leaf

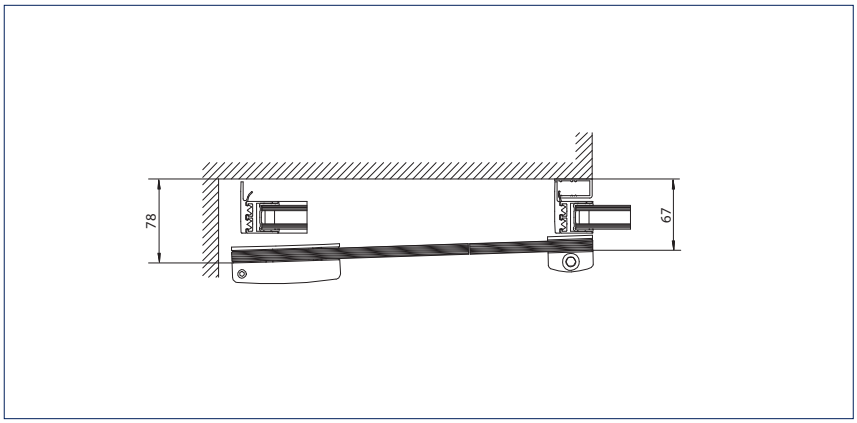
Drawing no. 70504-ep11



Protective door leaf: Drive installation
DH = Passage height



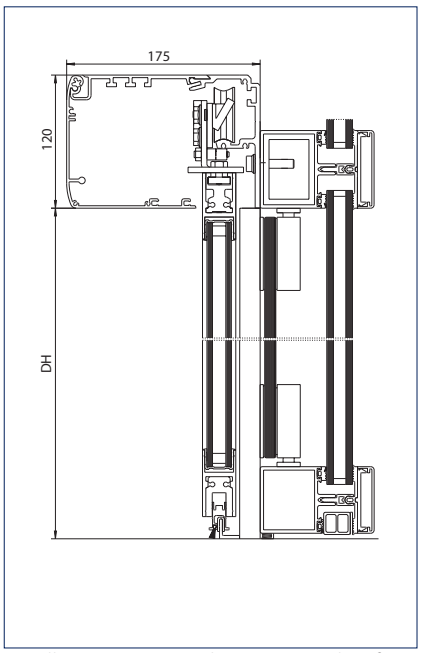
Protective door leaf: Wall mounting
DH = Passage height



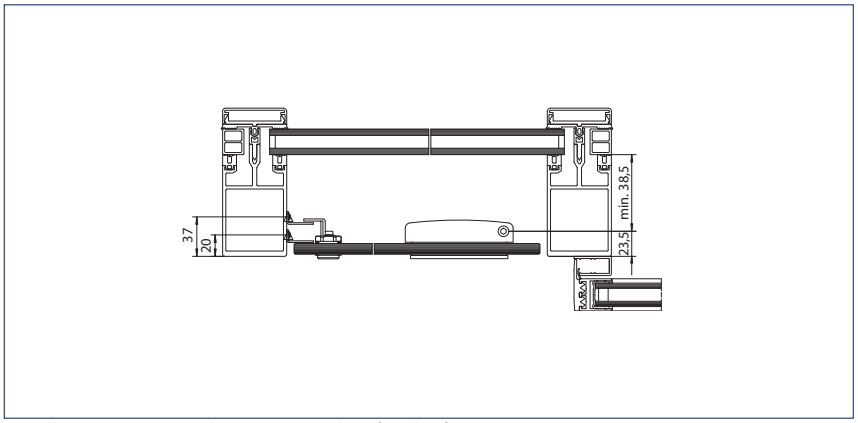
Protective door leaf

Door leaf and safety leaf
Drawing no. 70504-ep14

Note: See installation drawing for area of application



Installation: To post-rail structure with safety leaf
DH = Passage height



Installation: To post-rail structure with safety leaf

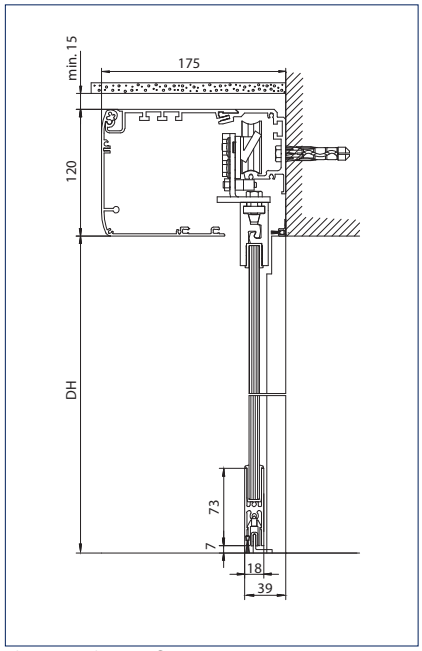
ECdrive with protective door leaf, Finanzakademie, Bonn, Germany

GEZE ECdrive

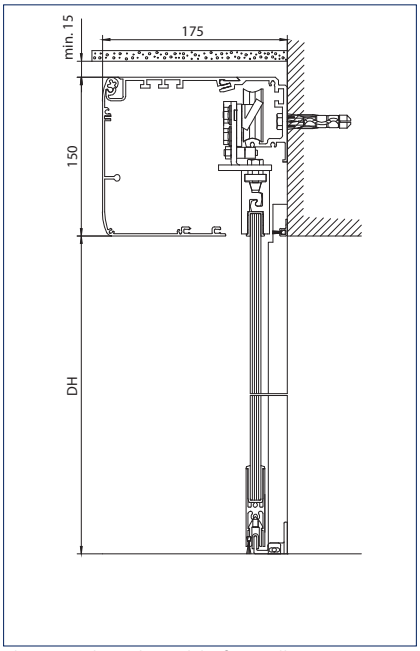
ESG-clamp fitting

Door leaf

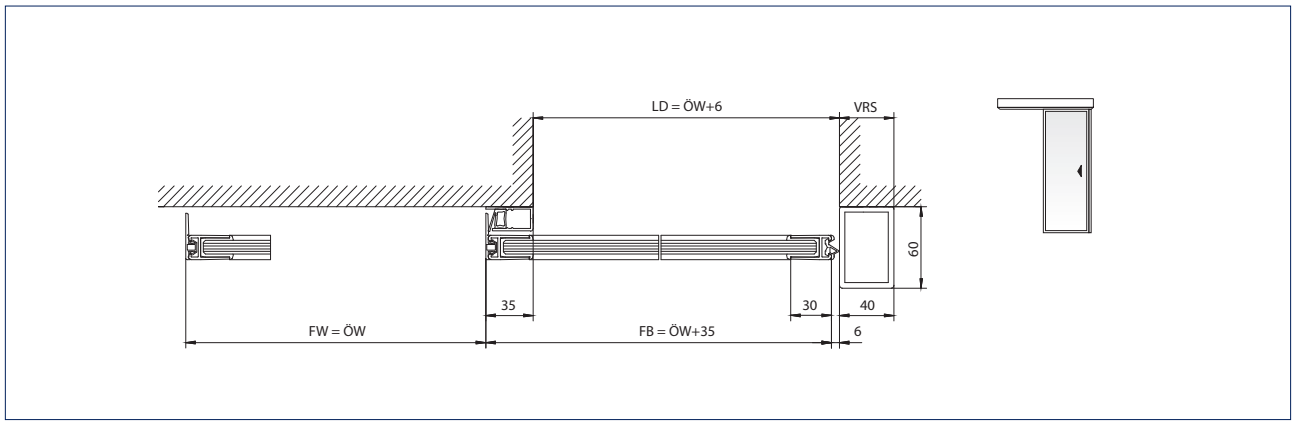
Drawing no. 70506-ep03



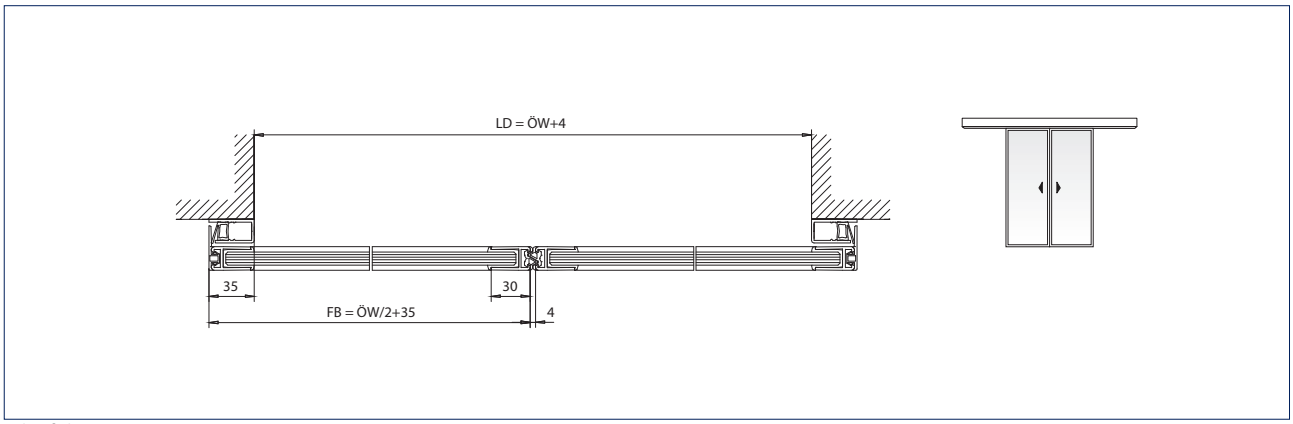
Floor guide: For floor mounting
DH = Passage height



Floor guide: Adjustable for wall mounting
DH = Passage height



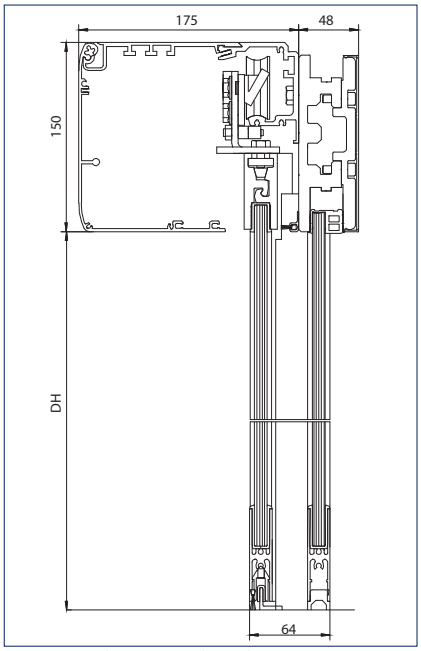
1-leaf door system
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width
VRS = Drive extension right



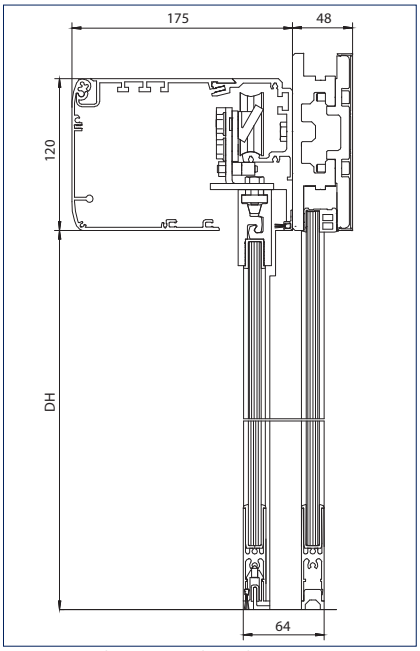
2-leaf door system
LD = Clear passage
FB = Leaf width
ÖW = Opening width

Door leaf and side parts

Drawing no. 70504-ep13



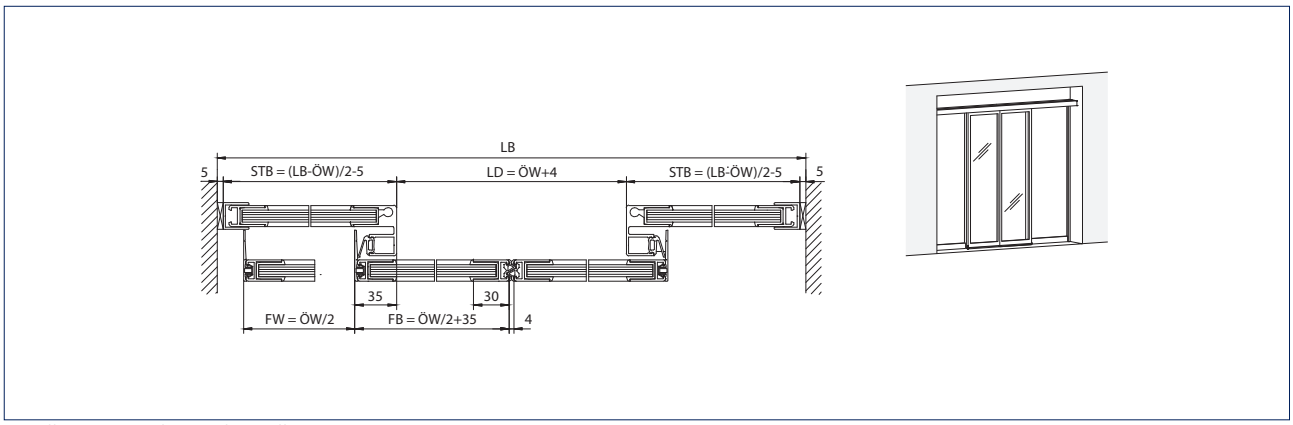
Version with 120 mm hood
DH = Passage height



Version with 150 mm hood
DH = Passage height

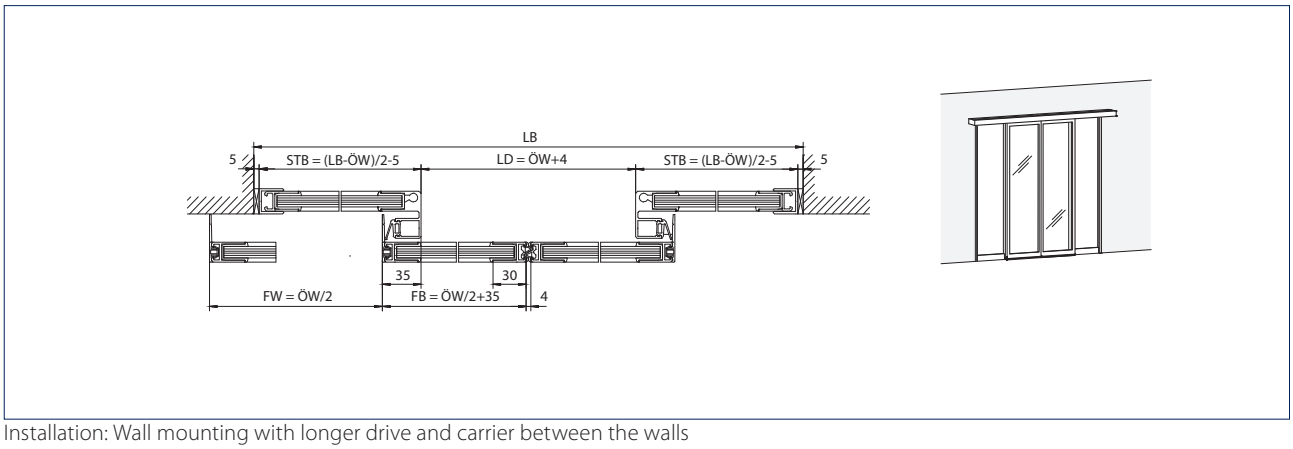
GEZE ECdrive

Note: See installation drawing for area of application



Installation: Cantilevered installation
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

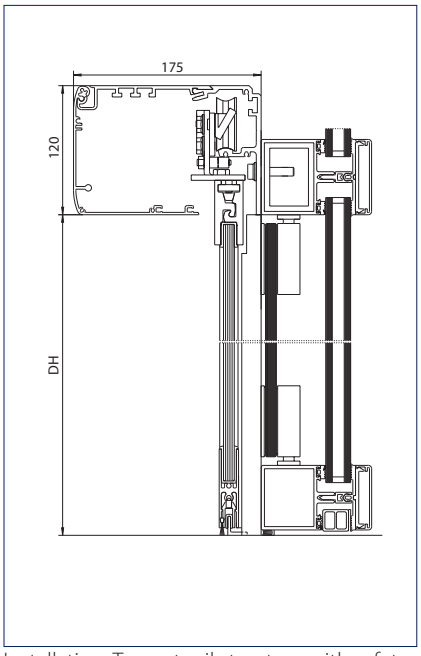
Note: See installation drawing for area of application



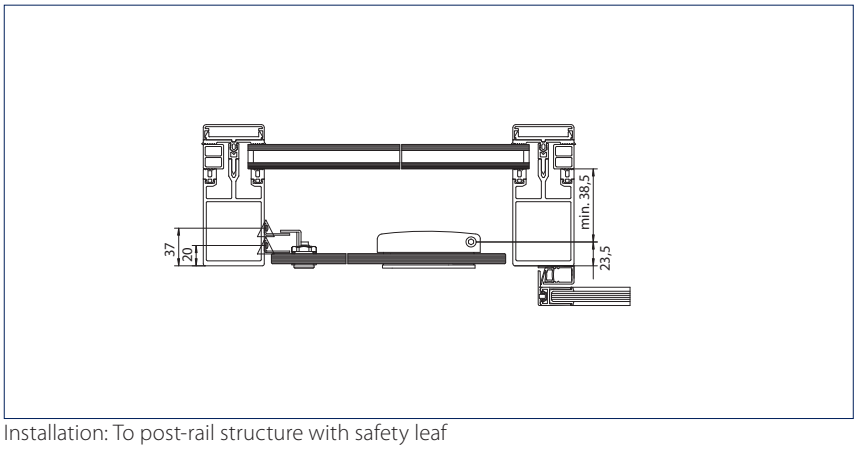
Installation: Wall mounting with longer drive and carrier between the walls

Door leaf and safety leaf

Drawing no. 70504-ep14



Installation: To post-rail structure with safety leaf



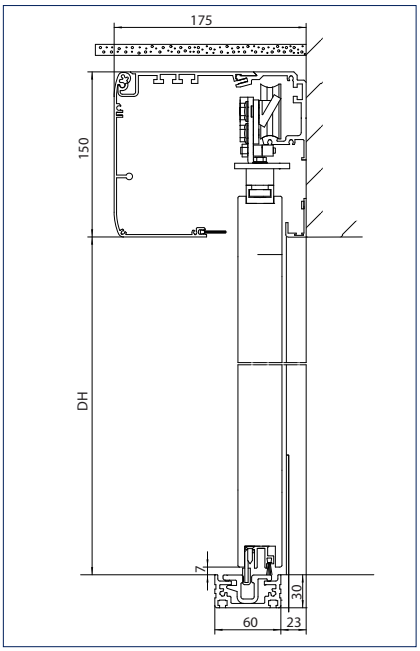
Installation: To post-rail structure with safety leaf

DH = Passage height

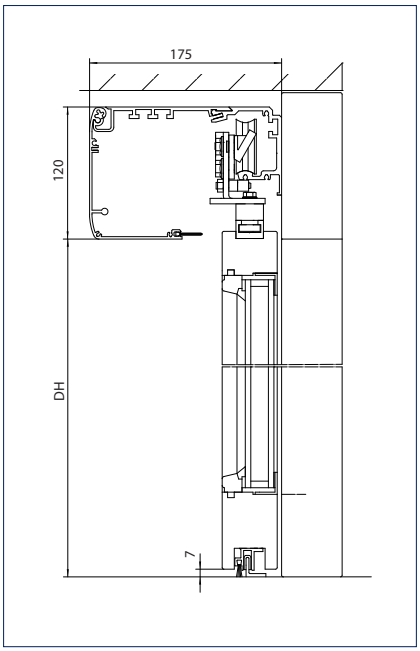
GEZE ECdrive

Wooden leaves

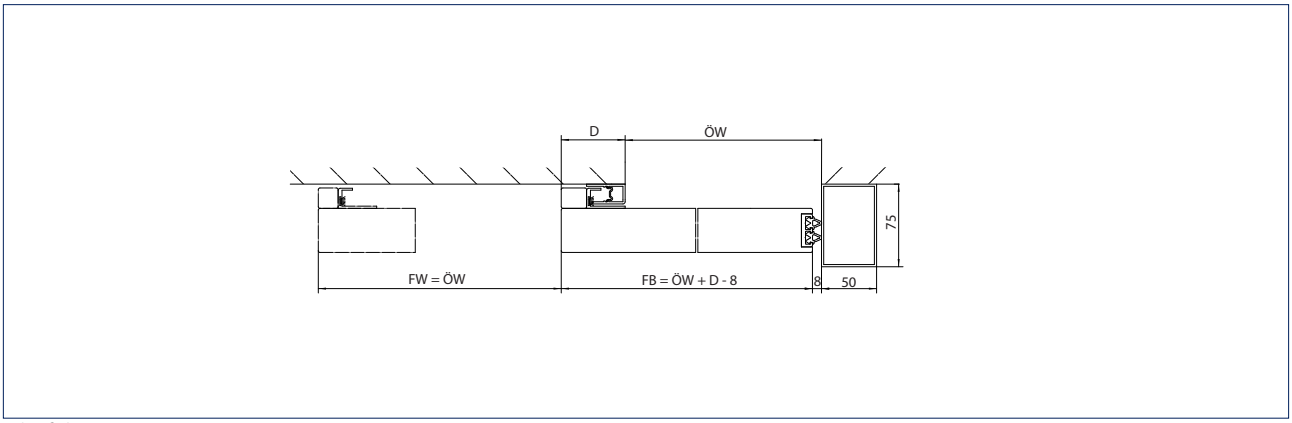
Drawing no. 70504-ep09



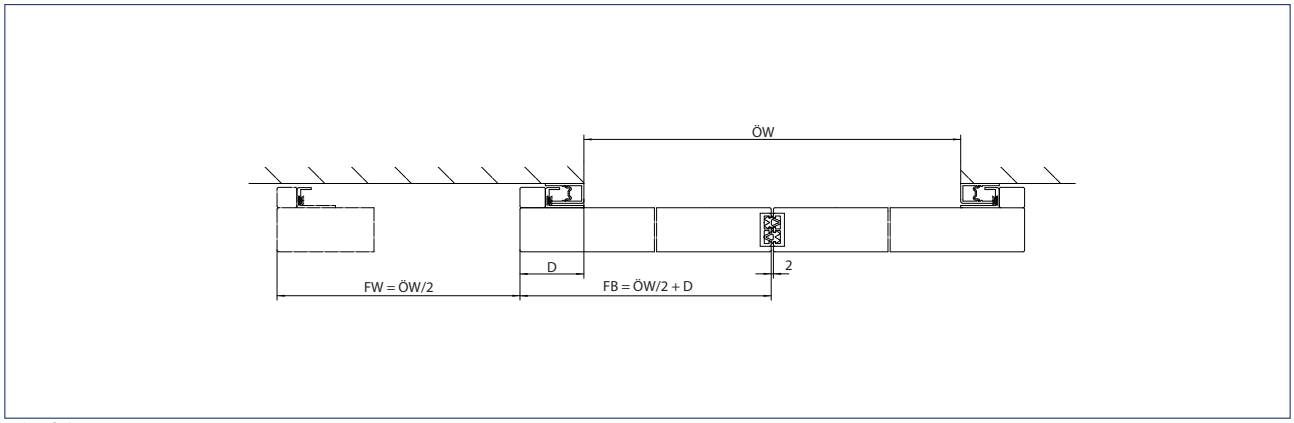
Version with 150 mm hood and continuous floor guide
DH = Passage height



Version with 120 mm hood and floor guide for floor mounting
DH = Passage height



1-leaf door system
D = Projection
FB = Leaf width
FW = Travel path
ÖW = Opening width



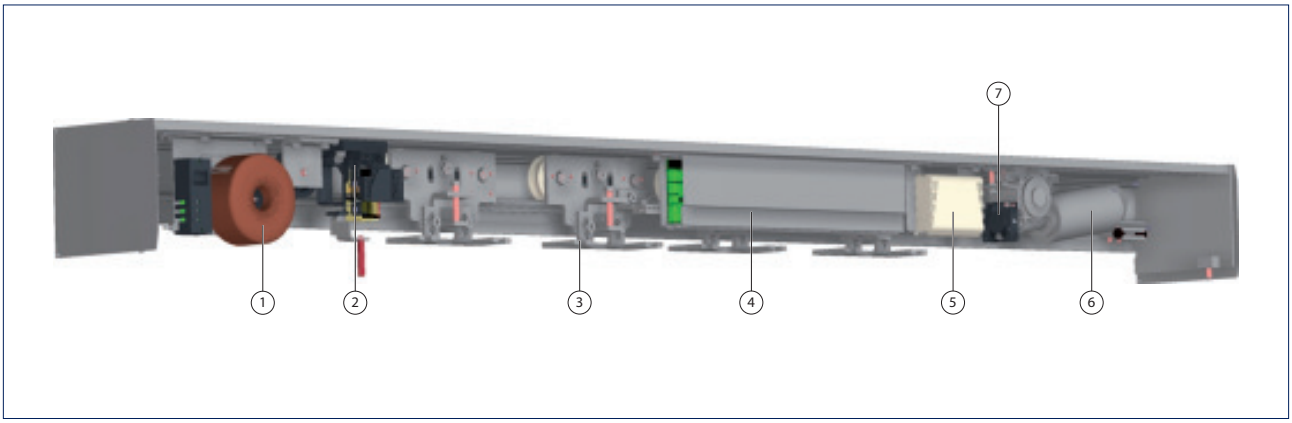
2-leaf door system

GEZE POWERDRIVE PL

GEZE Powerdrive PL

Drive system for automatic linear sliding doors with large, heavy leaves

The trademarks of the Powerdrive series are convenience and safety even for heavy doors. Large entrances and opening widths combined with high leaves make special demands on door drive technology. And this is exactly where the strengths of the Powerdrive come into their own. Economic and powerful, this drive moves heavy door leaves up to 200 kg (in the emergency exit route version up to 160 kg). Optimum running characteristics and low wear thanks to compatible profiling of the rollers and running rail allows use in areas with a high through-traffic volume.



1 = Transformer
2 = Locking
3 = Roller carriage
4 = Control
5 = Battery
6 = Motor
7 = Fan

Drive components

Technical data	PL	PL-FR	PL-HT
Transformer	Ring core with fuse and main switch		
Voltage	230 V		
Frequency	50 – 60 Hz		
Capacity rating	200 W		
Locking	Toothed belt locking, electromagnetic, bi-stable		
Roller carriage			
Door leaf adjustment vertical	12 mm		
Door leaf adjustment horizontal	40 mm		
Anti-tilt protection	fitted as standard		
Self-cleaning	●	●	●
Control	DCU1	DCU1-2M	DCU1
With fault memory	●	●	●
With memory for statistical data	●	●	●
Software update possible	●	●	●
Optional bus interface	●	●	●
Connection for fire alarm system	●	●	●
Power supply for peripherals	●	●	●
Programmable inputs	3 pc.		
Programmable outputs	2 pc.		
Battery	NiCd, 24 V, 700 mA		
Motor	Gear motor	Double gear motor	Gear motor
Torque	400 Ncm		

● = YES
- = NOT AVAILABLE

Technical data

Product features	PL	PL-FR	PL-HT
For 1-leaf door systems	●	●	●
For 2-leaf door systems	●	●	-
Height	150 / 200 mm		300 mm
Depth	185 mm		
Leaf weight (max.) 1-leaf	200 kg	160 kg	200 kg
Leaf weight (max.) 2-leaf	200 kg	160 kg	
Opening width 1-leaf	700 – 3000 mm		800 – 2500 mm
Opening width 2-leaf	800 – 3000 mm		
Passage height (max.)			2800 mm
Temperature range	-15 – 55 °C		
Enclosure rating	IP 20		
Disconnection from power supply	Main switch in the drive		
Opening speed (max.)	0,8 m/s		
Closing speed (max.)	0,8 m/s		
Hold-open time	0 – 60 S		
Adjustable opening and closing force (max.)	150 N		
Automatic adaptation to traffic flow	●	●	●
Automatic reversal when an obstacle is detected	●	●	●
Pharmacy opening	●	●	●
Lock function	●	-	●
Vestibule function	●	-	●
Automatic opening in the event of a power failure	adjustable	fitted as standard	adjustable
Automatic closing in the event of a power failure	adjustable	not available	adjustable
Function in the event of a power failure	adjustable for 30 min. / 30 cycles	Open	adjustable for 30 min. / 30 cycles
Automatic opening in the event of a fault	not available	fitted as standard	not available
Approvals	DIN 18650 BGR232 DIN EN ISO 13849: Performance Level D	DIN 18650 BGR232 DIN EN ISO 13849: Performance Level D AutSchR	DIN 18650 BGR232 DIN EN ISO 13849: Performance Level D

● = YES
- = NOT AVAILABLE

Fitting variations

Fittings	PL
ISO-glass fine-framed	●
MONO-glass fine-framed	●
ESG clamping profile	●
All-glass system (GGS)	-
Integrated all-glass system (IGG)	-
Frame leaf (provided by customer)	●
Wooden leaf (provided by customer)	●
Hermetic leaf	●
Fire protection leaf T30 (Hörmann)	-

● = YES
- = NOT AVAILABLE

Calculations for Powerdrive PL

Drive length and glass dimensions

Calculation of the drive length AL in mm*

Powerdrive	PL	PL-FR**
2-leaf	ÖW = 800 - 3000, AL = 2 x ÖW + 100	ÖW = 800 - 3000, AL = 2 x ÖW + 100
1-leaf	ÖW = 700 - 3000, AL = 2 x ÖW + 65	ÖW = 700 - 3000, AL = 2 x ÖW + 65

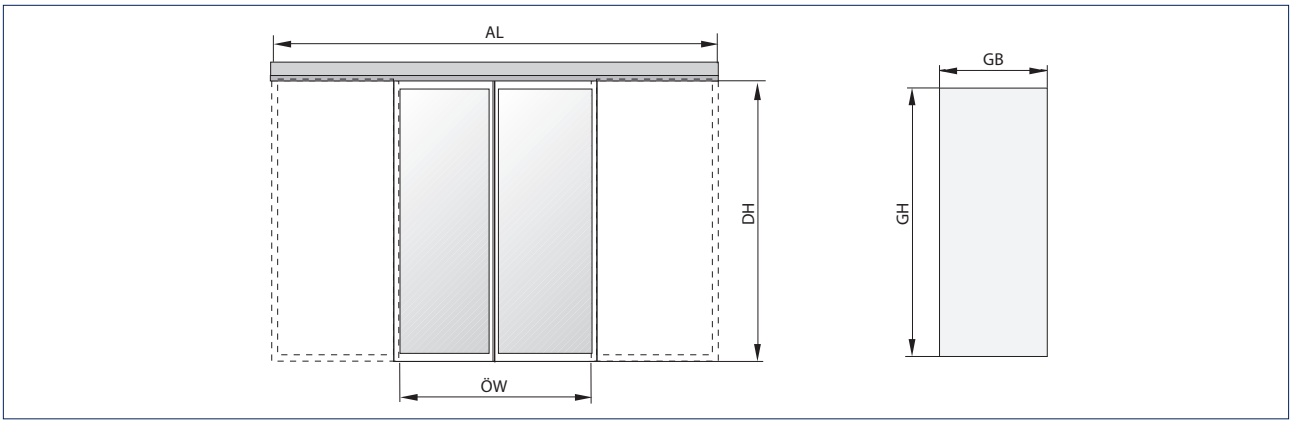
* Minimum overall length of the system with ISO-glass profile system
** Request drawing for FR variations (FR-RWS, FR-LL)!

Note:
Opening widths of emergency route sliding doors < 1000 mm are only permitted in exceptional cases.
For external installations with an opening width of more than 2000 mm, a continuous floor guide is recommended.
The minimum opening widths depend on the requirements of building law.

Calculation of leaf and glass dimension in mm

		ISO-glass with ALu-NSK	ISO-glass with rubber-NSK	ESG
Leaf width	1-leaf	ÖW + 40	ÖW + 35	ÖW + 35
	2-leaf	ÖW /2 + 40	ÖW / 2 +35	ÖW / 2 +35
Leaf height	with hood 150 mm	DH		
	with hood 200 mm	DH + 50		
Glass width	1-leaf	ÖW	ÖW	ÖW + 9
	2-leaf	ÖW / 2	ÖW / 2	ÖW / 2 + 9
Glass height		FH - 90	FH - 90	FH - 85
Glass thickness		22	22	10, 12

Note:
max. leaf ratio width to height 1:4



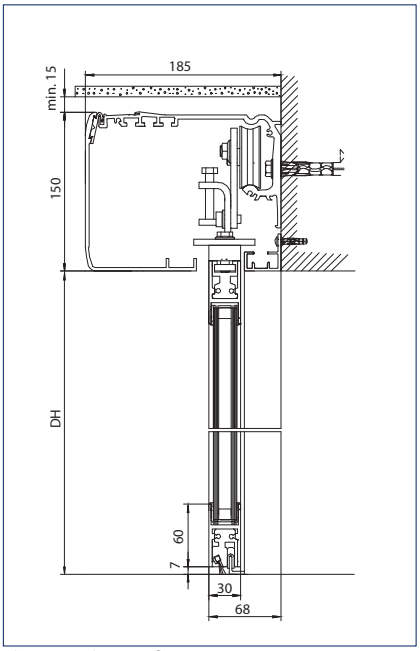
AL = Drive length
DH = Passage height
GB = Glass width
GH = Glass height
ÖW = Opening width

GEZE Powerdrive PL

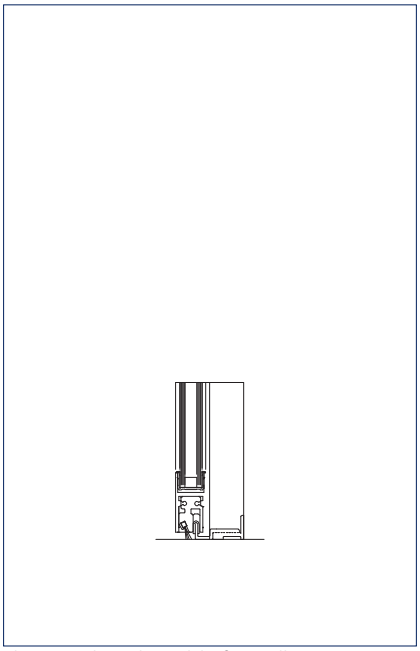
ISO/MONO-glass fitting

Door leaf

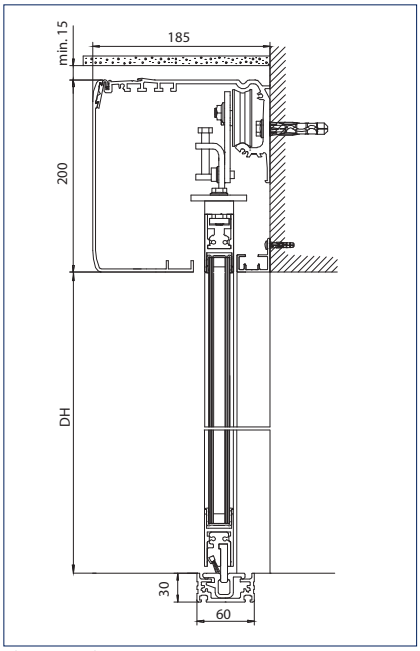
Drawing no. 70506-ep01



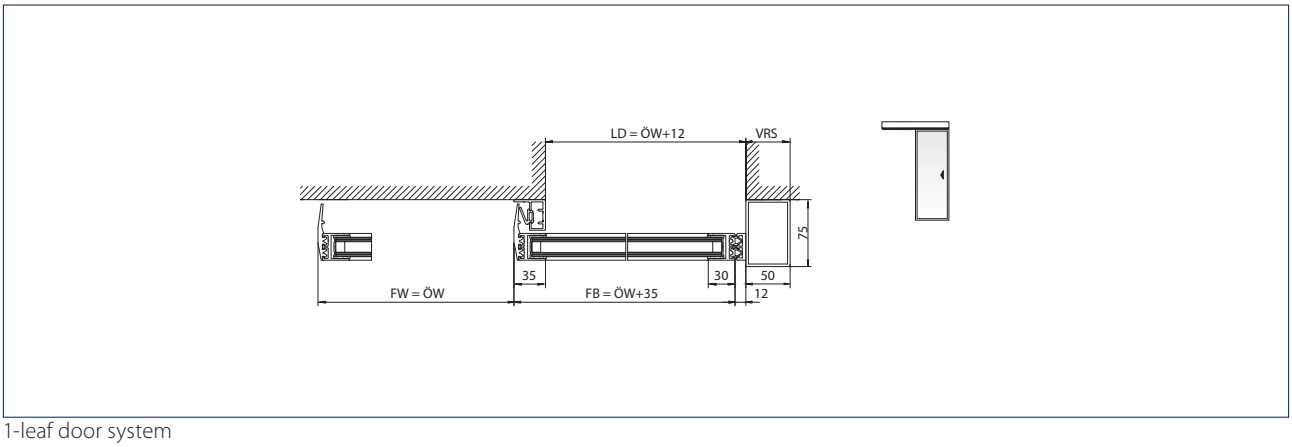
Floor guide: For floor mounting
DH = Passage height



Floor guide: Adjustable for wall mounting

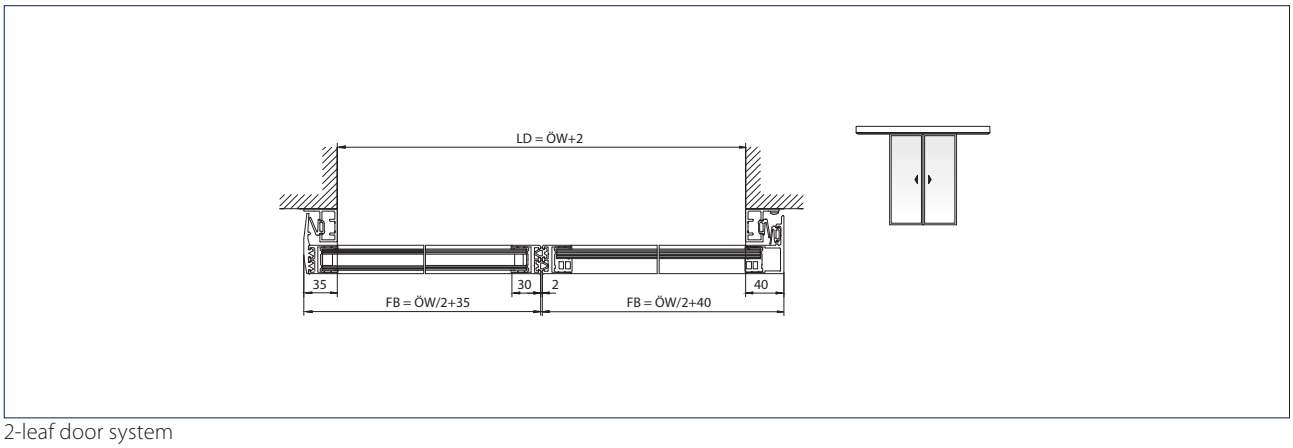


Floor guide: Continuous
DH = Passage height



1-leaf door system
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width
VRS = Drive extension right

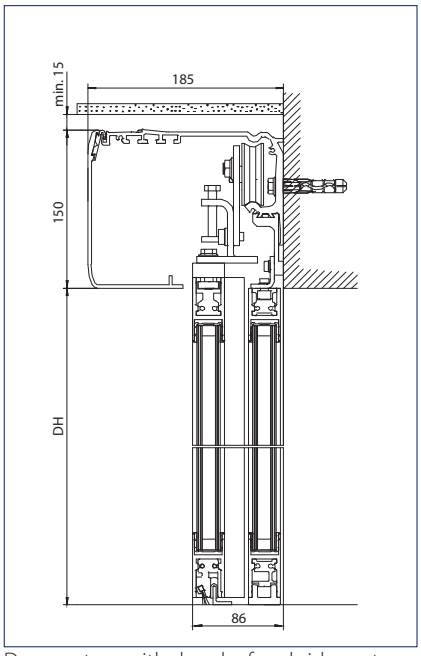
GEZE POWERDRIVE PL



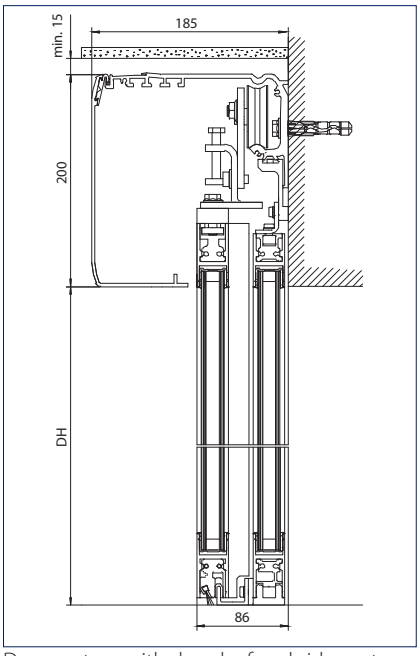
2-leaf door system
LD = Clear passage
FB = Leaf width
ÖW = Opening width

Door leaf and side parts

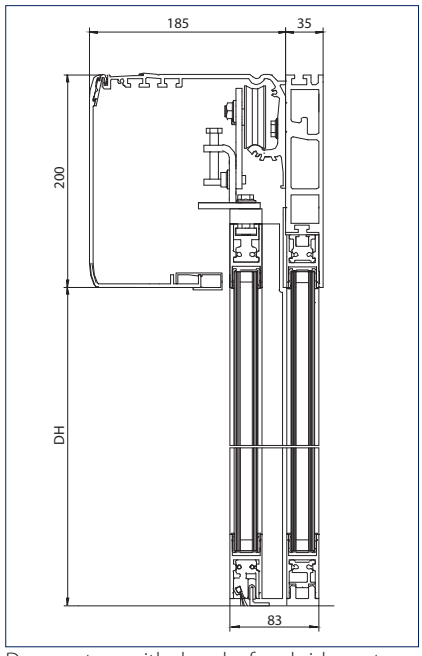
Drawing no. 70506-ep02



Door system with door leaf and side parts under drive
DH = Passage height

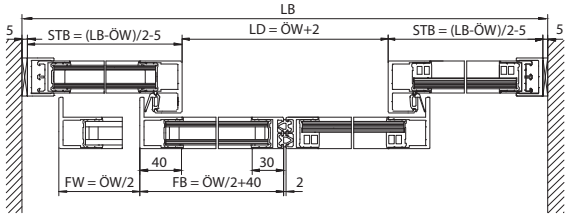


Door system with door leaf and side parts under drive
DH = Passage height



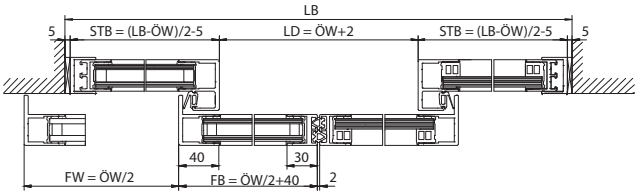
Door system with door leaf and side parts under carrier
DH = Passage height

Note: See installation drawing for area of application



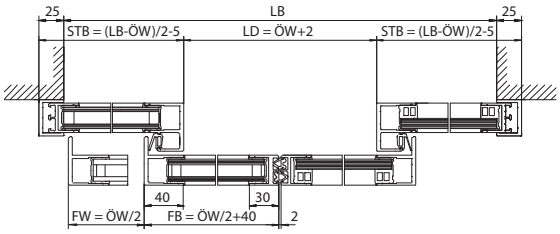
Installation: Cantilevered installation
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FB = Leaf width
ÖW = Opening width

Note: See installation drawing for area of application



Installation: Wall mounting with longer drive and carrier between the walls
LB = Clear overall width
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

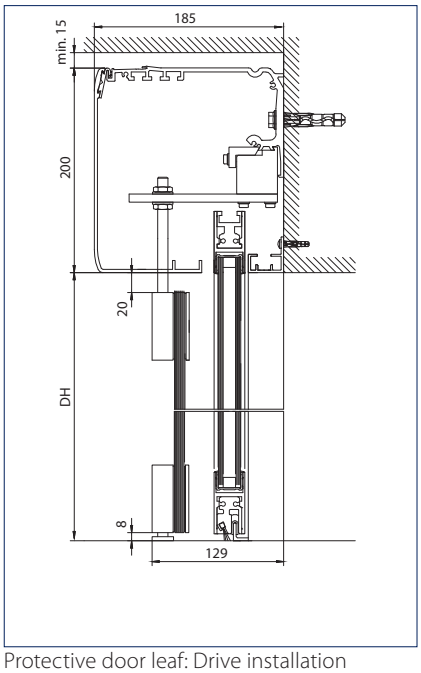
GEZE POWERDRIVE PL



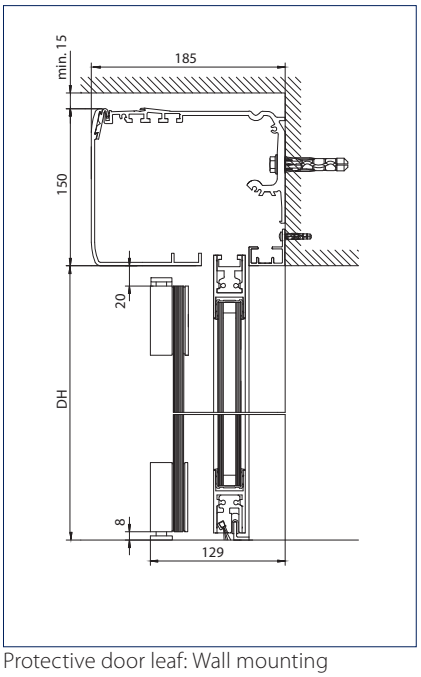
Installation: Wall mounting
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

Door leaf and protective door leaf

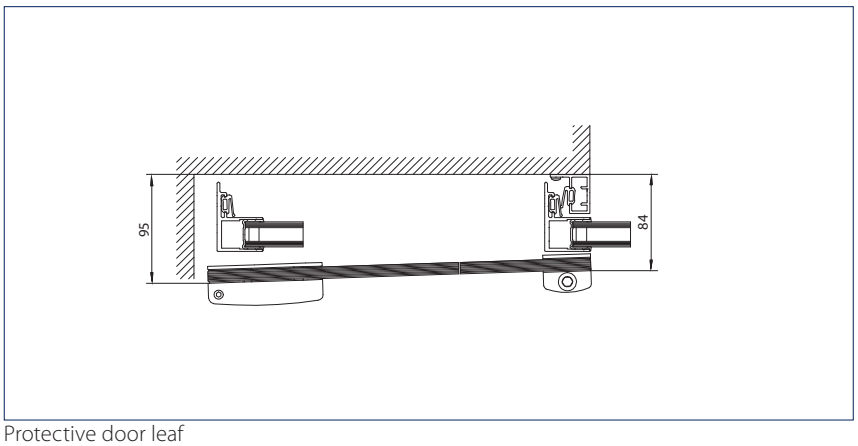
Drawing no. 70499-ep05



Protective door leaf: Drive installation
DH = Passage height



Protective door leaf: Wall mounting
DH = Passage height

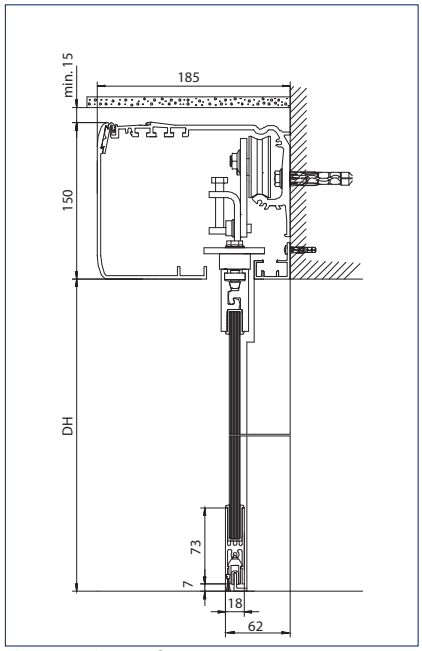


Protective door leaf

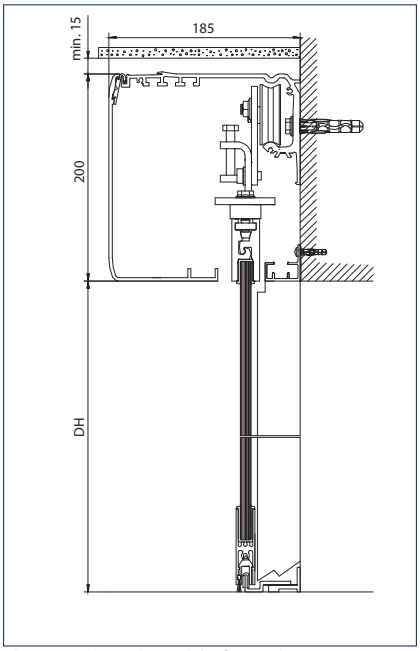
GEZE Powerdrive PL

ESG-clamp fitting

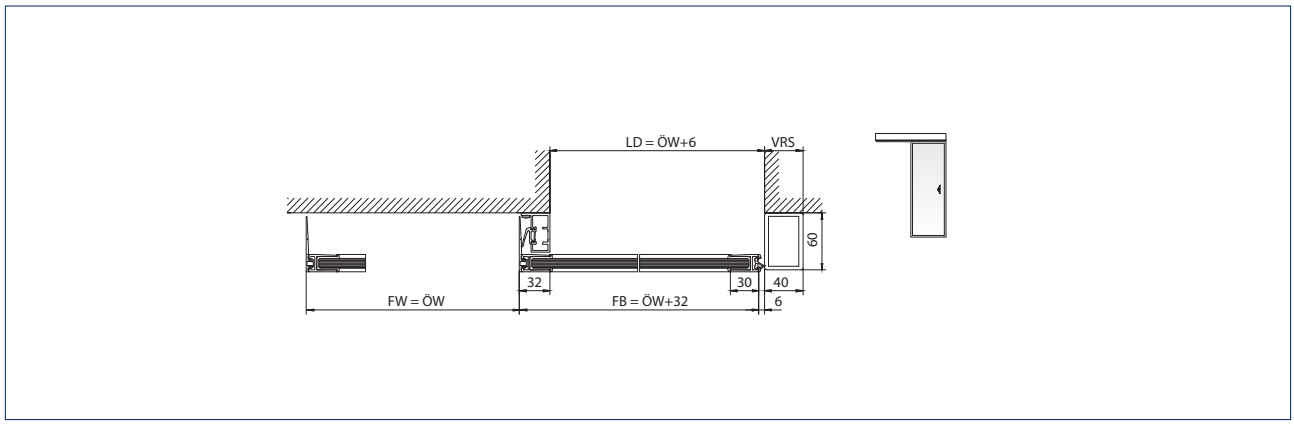
Door leaf
Drawing no. 70506-ep03



Floor guide: For floor mounting
DH = Passage height

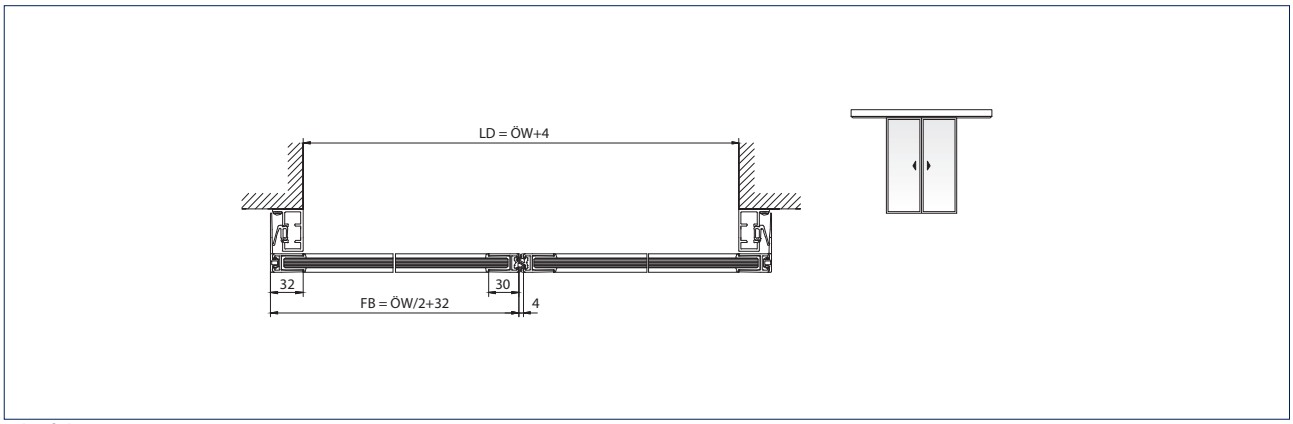


Floor guide: Adjustable for wall mounting
DH = Passage height



1-leaf door system
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width
VRS = Drive extension right

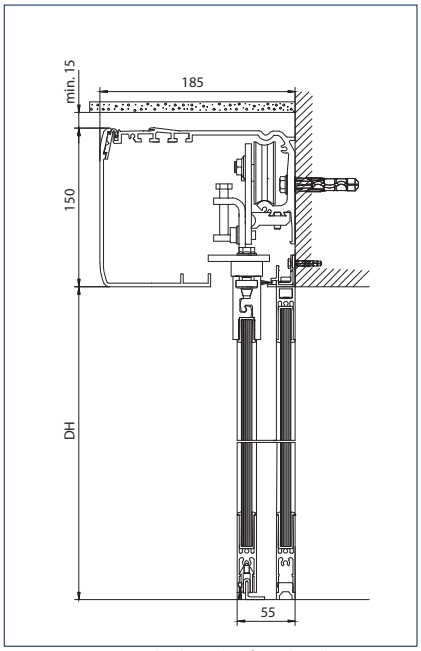
GEZE POWERDRIVE PL



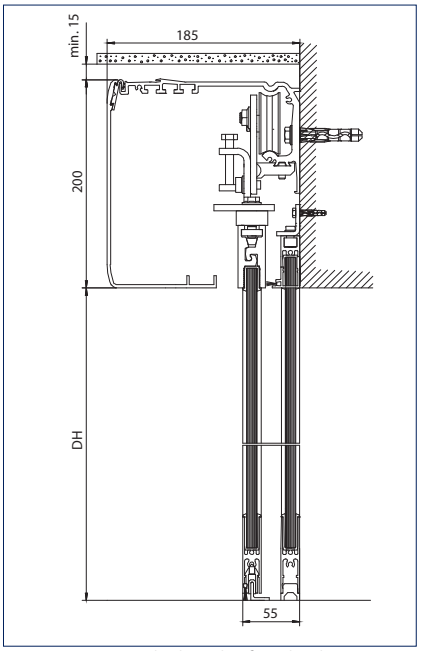
2-leaf door system
LD = Clear passage
FB = Leaf width
ÖW = Opening width

Door leaf and side parts

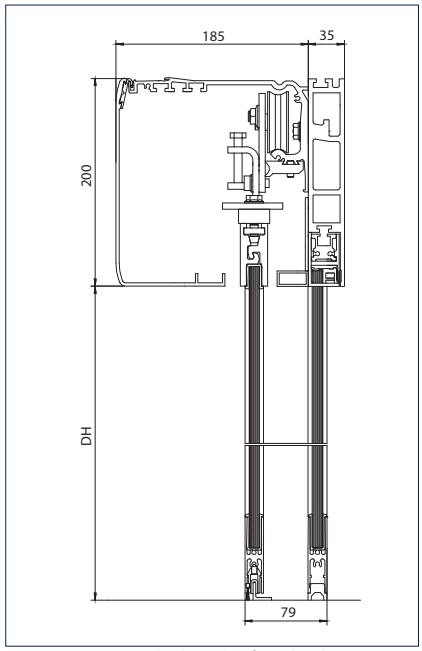
Drawing no. 70506-ep04



Door system with door leaf and side parts under drive
DH = Passage height

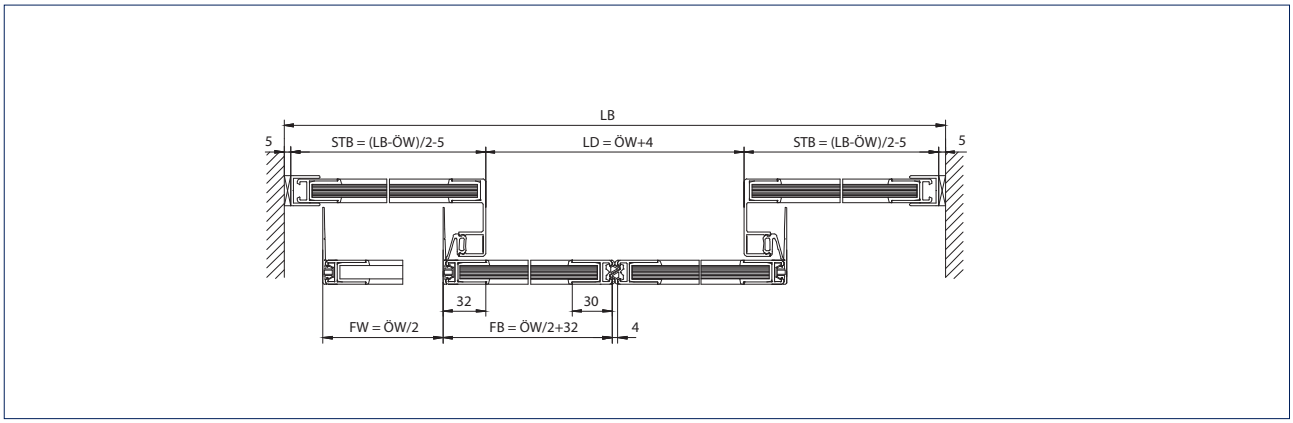


Door system with door leaf and side parts under drive
DH = Passage height



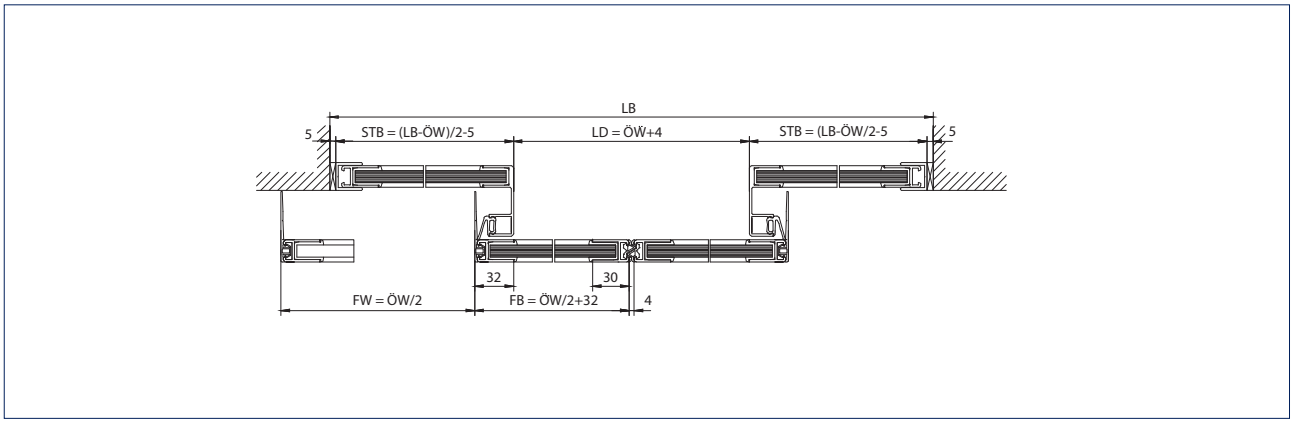
Door system with door leaf and side parts under carrier
DH = Passage height

Note: See installation drawing for area of application

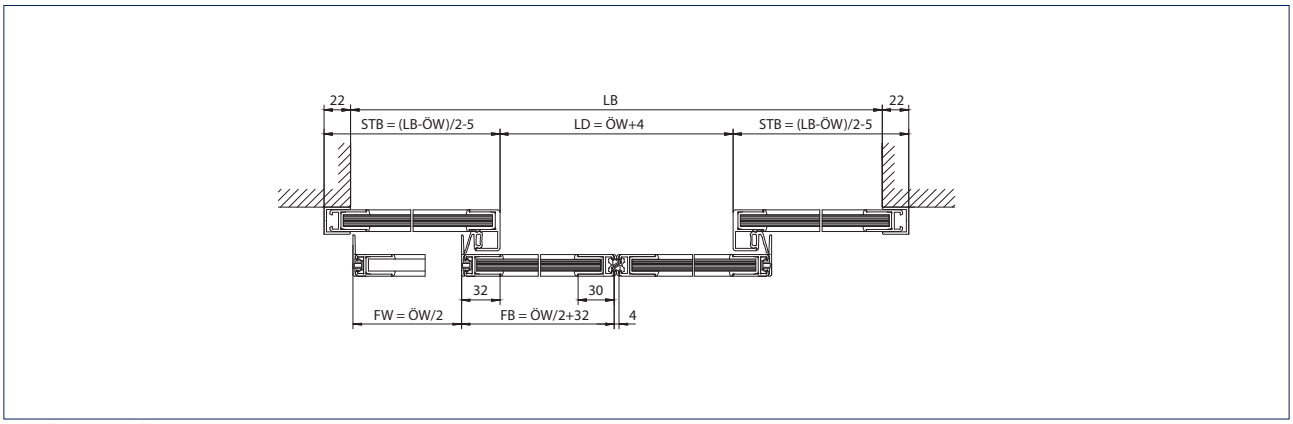


Installation: Cantilevered installation
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

Note: See installation drawing for area of application



Installation: Wall mounting with longer drive and carrier between the walls
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

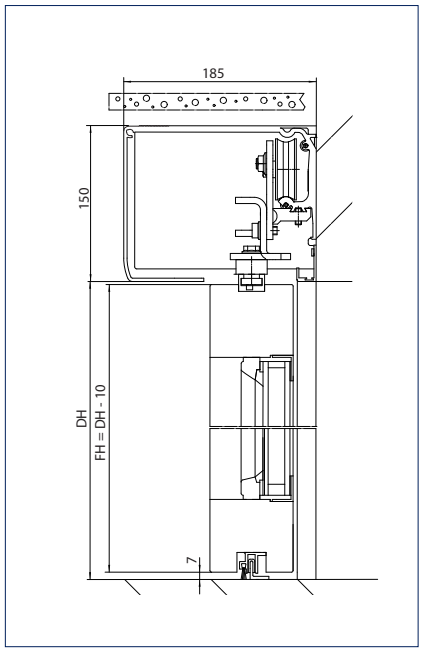


Installation: Wall mounting
LB = Clear overall width
STB = Width of side parts
LD = Clear passage
FW = Travel path
FB = Leaf width
ÖW = Opening width

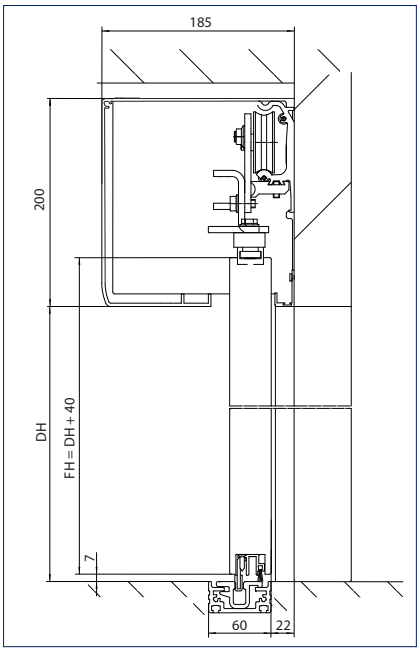
GEZE Powerdrive PL

Wooden leaves

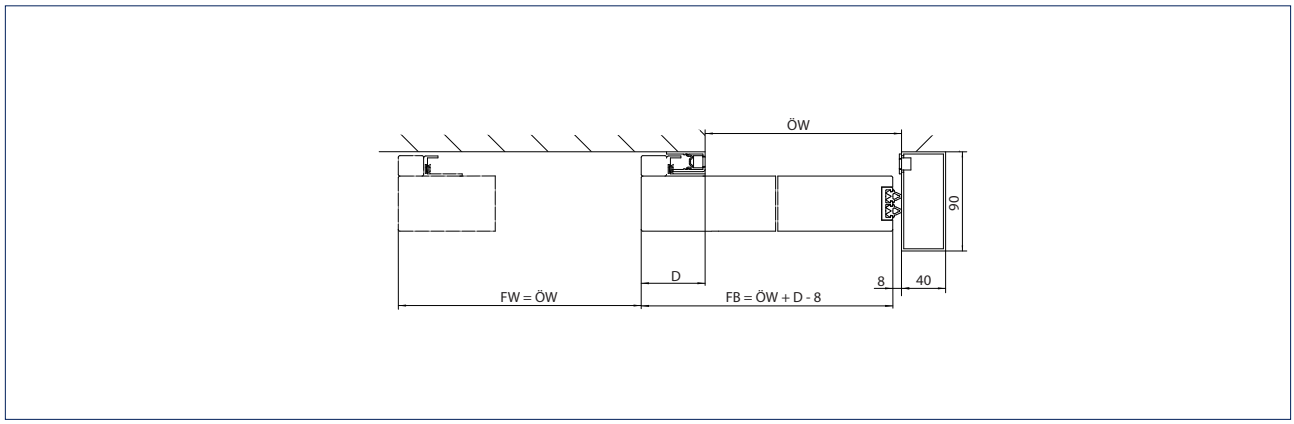
Drawing no. 70506-ep09



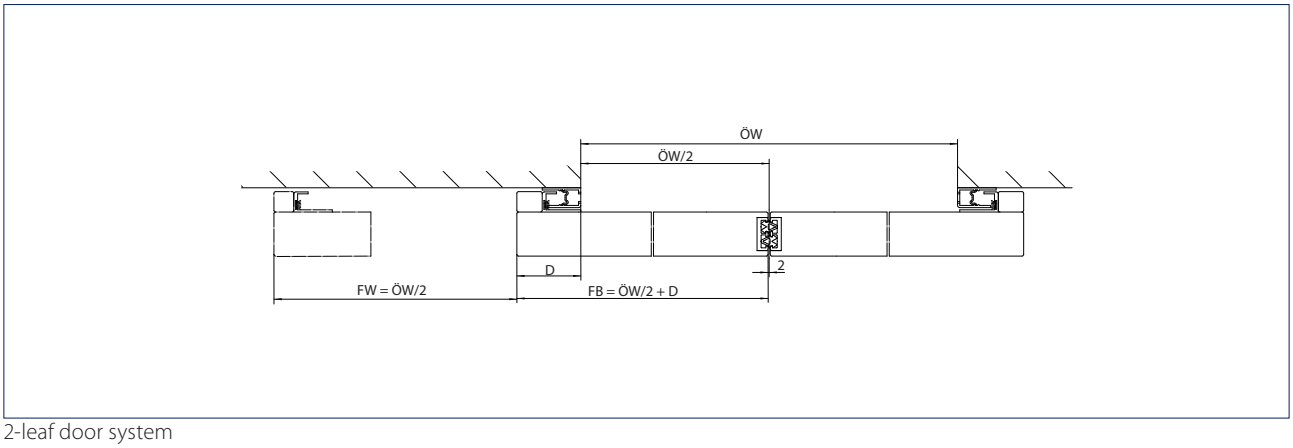
Version with 150 mm hood and floor guide for floor mounting
DH = Passage width
FH = Leaf height



Version with 200 mm hood and continuous floor guide
DH = Passage height
FH = Leaf height



1-leaf door system
D = Projection
FB = Leaf width
FW = Travel path
ÖW = Opening width



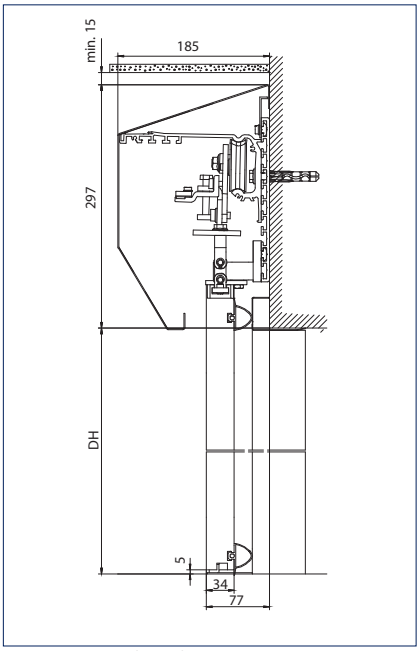
2-leaf door system

GEZE Powerdrive PL-HT

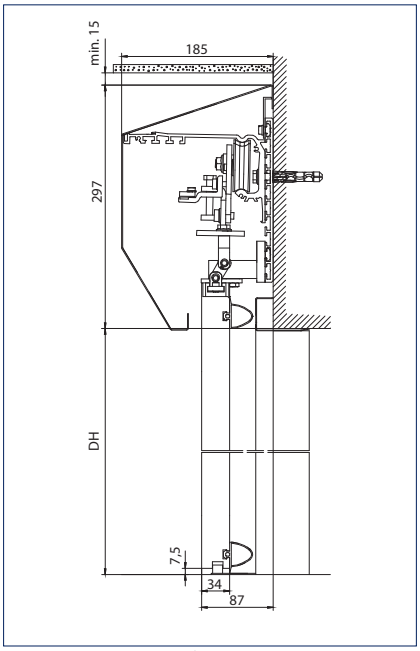
Hermetic leaf stainless steel/aluminium/wood

Door leaf

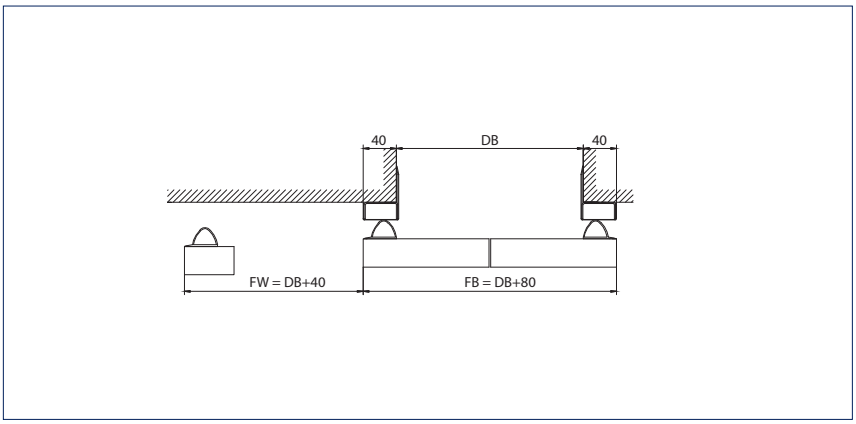
Drawing no. 70722-9-0950



Door system closed
DH = Passage height



Door system opened
DH = Passage height



1-leaf door system
DB = Passage width
FW = Travel path
FB = Leaf width
ÖW = Opening width

GEZE SLIDING, TELESCOPIC AND FOLDING DOORS

Sliding door hardware

Complete design freedom thanks to innovative hardware systems

GEZE supplies the following fitting variations for all sliding door systems:

Door leaf with ISO-glass fine-framed
Attractive door leaves with an extremely slim aluminium frame. They combine the advantages of the frame (e.g. seals) with an inconspicuous design.

Door leaf with MONO-glass fine-framed
The same frame as with the ISO variation but with one single glass pane made of 10 mm ESG or VSG.
VSG = Verbund-Sicherheits-Glas (= laminated safety glass)
ESG = Einscheiben-Sicherheits-Glas (= toughened safety glass)

Door leaf with ESG clamping profile fine-framed
Profile system for 10 mm or 12 mm ESG. The glass pane is clamped in place near the top. Additional aluminium profiles at the sides and bottom ensure tightness, floor guide and compatibility with DIN 18650.

Frame leaf
The drive can be combined with door leaves made of a wide range of different frame profile systems, also thermally separated.

Wooden leaves
The drive can be combined with door leaves provided by the customer made of a wide range of materials e.g. wood.

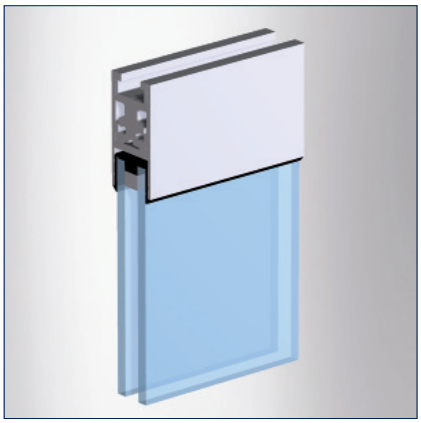
Integrated all-glass system (IGG)
The profiles and the fittings system are integrated invisibly between the panes – without protruding or visible parts on the glass surface.

All-glass system (GGS)
All-glass design fittings for single point fixing offer maximum transparency. All the visible fittings are made of solid stainless steel.

Fitting variations

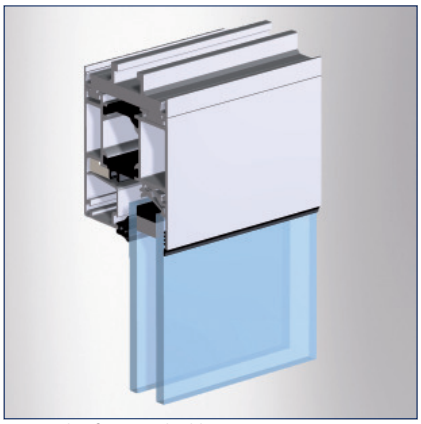
	SL NT	SL	SL-BO	SL-RD	SLT	SF	ECdrive	PL	PL-HT
ISO-glass fine-framed	●	●	●	●	●	●	●	●	-
MONO-glass fine-framed	●	●	-	●	-	●	●	●	-
ESG clamping profile	-	-	-	-	-	-	●	●	-
All-glass system (GGS)	-	●	-	-	-	-	-	-	-
Integrated all-glass system (IGG)	●	●	-	-	●	-	-	-	-
Frame leaf (provided by customer)	-	●	-	-	-	-	●	●	-
Wooden leaf (provided by customer)	●	●	-	-	-	-	●	●	-
Hermetic leaf	-	-	-	-	-	-	-	●	●
Fire protection leaf T30 (Hörmann)	-	●	-	-	-	-	-	-	-

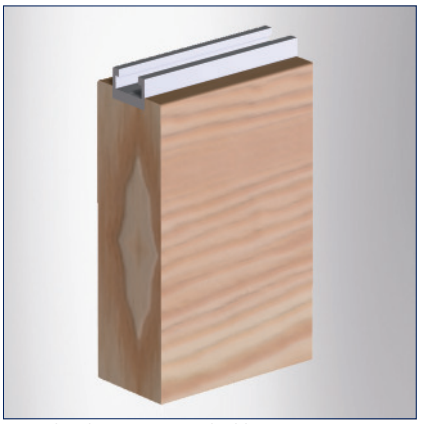
● = YES
- = NOT AVAILABLE

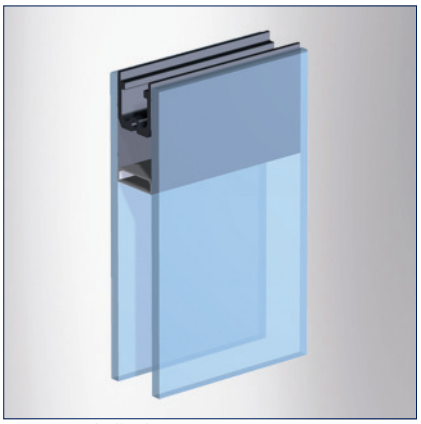

ISO-glass fine-framed

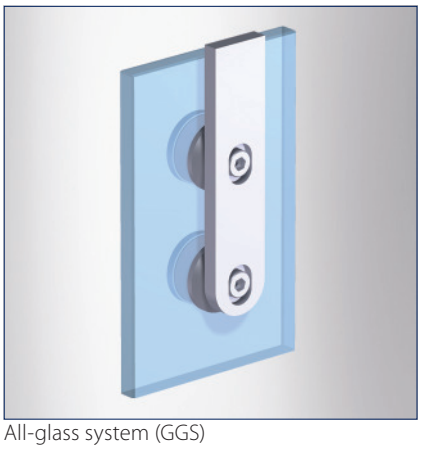

MONO-glass fine-framed

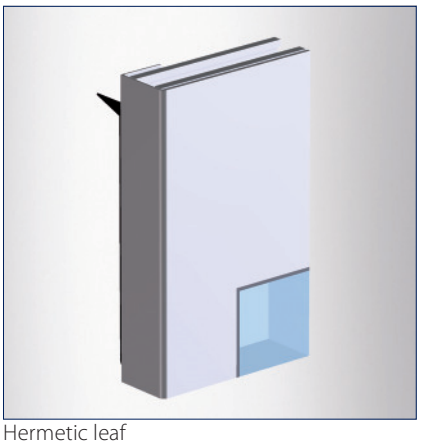

ESG clamping profile


Frame leaf (provided by customer)


Wooden leaves (provided by customer)


Integrated all-glass system (IGG)


All-glass system (GGS)


Hermetic leaf

ACCESSORIES

Operating automatic sliding doors

GEZE offers programme switches for a wide range of individual requirements. The switches are suitable for universal use – for surface-mounted or flush-mounted installation. The following switch types are available:

Display programme switch (DPS)
Key programme switch (TPS)
Mechanical programme switch (MPS)

The following operating modes can be set:

"Permanently open"
The door moves to the OPEN position and remains open. Movement detector or opening button are deactivated.

"Night"
The movement detectors are switched inactive, the door closes.
Option: The door leaves are locked electrically to prevent forced opening.

"Shop closing" (one-way)
The door only opens and closes when someone goes out from the inside.
The movement detector outside is switched inactive, the one inside is switched active.

"Automatic"
The door opens as soon as it is actuated via the movement detector or keys, and closes after a certain individually adjustable time. Safety sensors protect the leaves' travel path. If there is someone in the door opening, the door will not close.

"Reduced opening width"
The settings determined in teach mode are activated or deactivated.

"OFF" (only with TPS and MPS)
Drive and sensors are switched off, the door leaves can be moved manually.

Key switch
The programme switch can be disabled using a key switch.

Securing the programme switches
Automatic sliding doors in emergency exit routes must be secured against operation by unauthorised people. The mechanical programme switch (MPS) is also available in a lockable version. The display programme switch (DPS) and key programme switch (TPS) can be combined with a key switch. Alternatively, these programme switches can be secured using a code.


Display programme switch (DPS)


Key programme switch (TPS)


Mechanical programme switch (MPS)

Automatic actuation

Reliable actuation with GEZE sensors

Combined detector

Combined detectors are radar movement detectors using an infrared light curtain. Actuation and protection are integrated in the sensor, reducing installation efforts. Individual attachment possibilities through wall, ceiling or integrated ceiling recess installation provide lots of design freedom. The use of a remote control guarantees quick and easy commissioning. The sensor is actuated reliably on the basis of direction of movement and the fading out of cross-traffic. Slow movements can be detected thanks to the "slow motion detection" feature. The protection area can be configured as required. Combined detectors for emergency exit routes offer maximum safety through integrated self-monitoring.

Radar movement detector

Radar movement detectors register all objects that move within the radar field. All movements within the radiation range cause a time-delayed reflection which is forwarded as a door opening signal. The pre-programmed convenience setting of the GEZE radar movement detectors ensures they can be put into operation quickly. Automatic configuration is possible via keys or a remote control. Reliable detection is achieved with a clearly defined radar field. Energy can be saved through detection of people's direction of movement. Excessive door opening is avoided since cross-traffic can be faded out.

Combined detector (radar movement detector with light curtain)

Radar movement detector

ACCESSORIES

Manual actuation

Push buttons
GEZE push buttons for the wireless actuation of system doors – reliable, convenient and safe at the push of a button.

Non-contact capacitive push button
The design-oriented and sturdy LED sensor button makes intuitive and straightforward operation possible. No great efforts are required for actuation – touching the button slightly is sufficient. Suitable for use both indoors and outdoors, the LED sensor button can be recognised easily in the dark thanks to the blue LED lighting. In addition, the sensor has raised Braille lettering on it. An acoustic and visual signal initiates actuation through the push button. The push button is waterproof, impact-resistant and vandalism-proof. This makes it very well suited for outdoor use or installation in the floor.

Non-contact infrared-sensor
Open doors in a flash: With GEZE infrared sensors, internal doors without precise perception requirement can be actuated cleanly and comfortably. Active infrared sensors ensure hygienic access to toilet facilities, for example. The risks of infection are also minimised in hotel kitchens, hospitals and doctors' surgeries. The impulse generator is installed at hand height and precisely detects people and objects – independently of their direction of movement – both in the direct vicinity of only 5 cm as well as 0.6 m away. The different scanning ranges can be optimally adapted to existing environmental conditions and the wishes of the user groups. The non-contact sensor system provides maximum operating convenience – people only need to approach them to trigger the automatic opening mechanism. The optimum system structure permits simple and time-saving installation in the flush-mounted box.

Radio actuation
GEZE radio transmitters are used for wireless actuation of doors and windows as a multi-channel solution. For every additional channel, an additional electrical device or function can be switched at the push of a button. Thanks to the very small size of the radio modules, radio transmitters can easily be integrated in the drive or in a flush-mounted box. They can also be clipped directly into the elbow switched and mounted without wires on glass.


Push buttons


Non-contact capacitive push button


Non-contact infrared sensor


Radio actuation


Large-scale button made of plastic


Large-scale button made of stainless steel

Electronic protection

Infrared light curtain
GEZE light curtains are used to secure posts, main and secondary closing edges both inside and outside. The light curtains have an invisible and non-contact protective device. Precise detection is possible through a clearly defined field, the size of which can be adjusted. Individual applications allow the use of light curtains as protective sensors or opening impulse generators.

Infrared light barrier
GEZE safety light barriers are available as single-beam and double-beam versions. This guarantees the easy and reliable protection of main closing edges with tried-and-trusted technology. The design permits flexible installation in different door profiles. The integrated electronics guarantee fast installation and compact space requirements.
Note: In Germany the use of light barriers is not permitted according to DIN 18650.

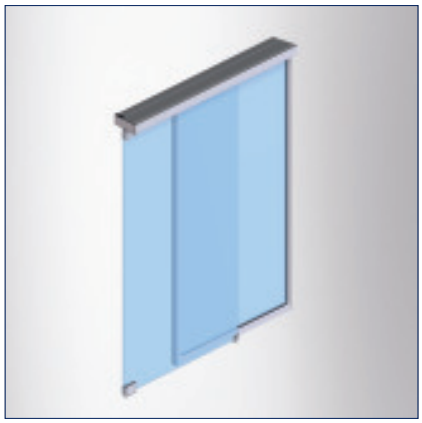

Infrared light curtain

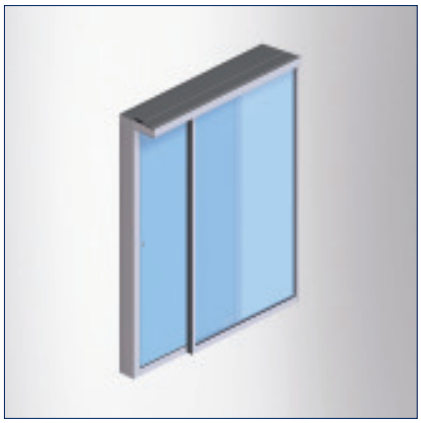

Infrared light barrier

Mechanical protection

Protective door leaf
Protective door leaves are used on escape and rescue routes if it is not possible to secure the secondary closing edges using light curtains. Automatic sliding doors on escape and rescue routes must be able to be opened at any time.

Safety leaf
Safety leaves are used to secure the cavities behind automatic sliding doors in post-rail structures.


Protective door leaf


Safety leaf

ACCESSORIES

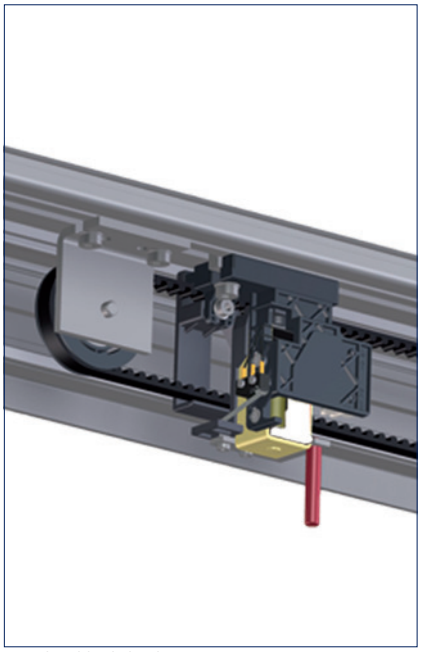
Automatic locking

Toothed belt locking

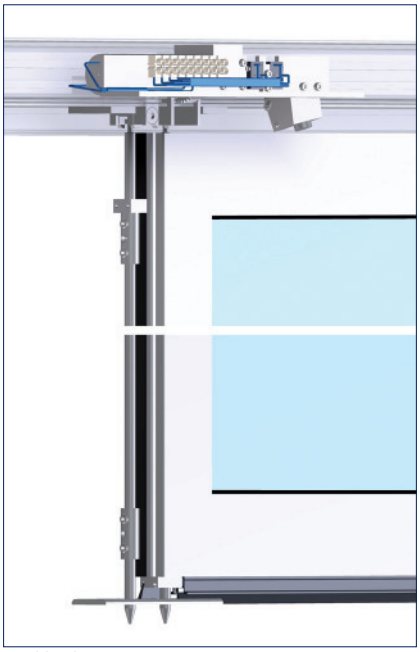
This electromagnetic bi-stable locking system ensures more safety, because it stays locked even without electric current. Manual emergency unlocking is possible at any time. Typical for this type of locking is permanent monitoring by the control unit. Up to two contacts for external applications (e.g. alarm systems) can be integrated as an option. Thanks to the free choice of positioning in the drive, the toothed belt unit is not only easy to install, it also makes special locking functions possible, e.g. locked pharmacy opening of the sliding doors.

Rod locking

Rod locking increases safety and burglary protection. The multi-point lock – both upwards and in the ground – provides solid resistance against attempts to be levered open. The locking rod is integrated invisibly in the fine-framed ISO profile system. The system can be unlocked both electrically or mechanically. Rod locking can be used in the Slimdrive SL and Slimdrive SLT drives. Emergency exit routes can also be protected by rod locking.



Toothed belt locking



Rod locking

Manual locking

Floor lock

The GEZE floor lock is used to lock door leaves with the fine-framed ISO profile system easily at floor level. Standard profile cylinders can be used for the floor locks. This means the solution is suitable for optimum integration in locking systems. Operation is manual, with the key, either only from the inside or from the inside and outside.

Floor lock

Service Tools

GEZEconnects

Bluetooth is an internationally standardised short-distance radio signal with a range of up to ten metres. The software GEZEconnects makes wireless connection via Bluetooth possible between a computer and the automatic door systems from GEZE. All door system settings can be carried out via an intuitive graphic interface, stored, sent by e-mail and transferred to a word processing programme as a protocol. Diagnosis functions show the most important function parameters of the door system in real time, so that problems are recognised at a glance and can be eliminated. All the pre-settings can be taken over very easily for further door systems. The convenient documentation of initial operation, servicing and diagnosis protocols as well as all statistical data can be downloaded at any time. Password protection to freeze operating parameters and servicing data guarantees there will be no unauthorised modifications made.

Service terminal ST 220

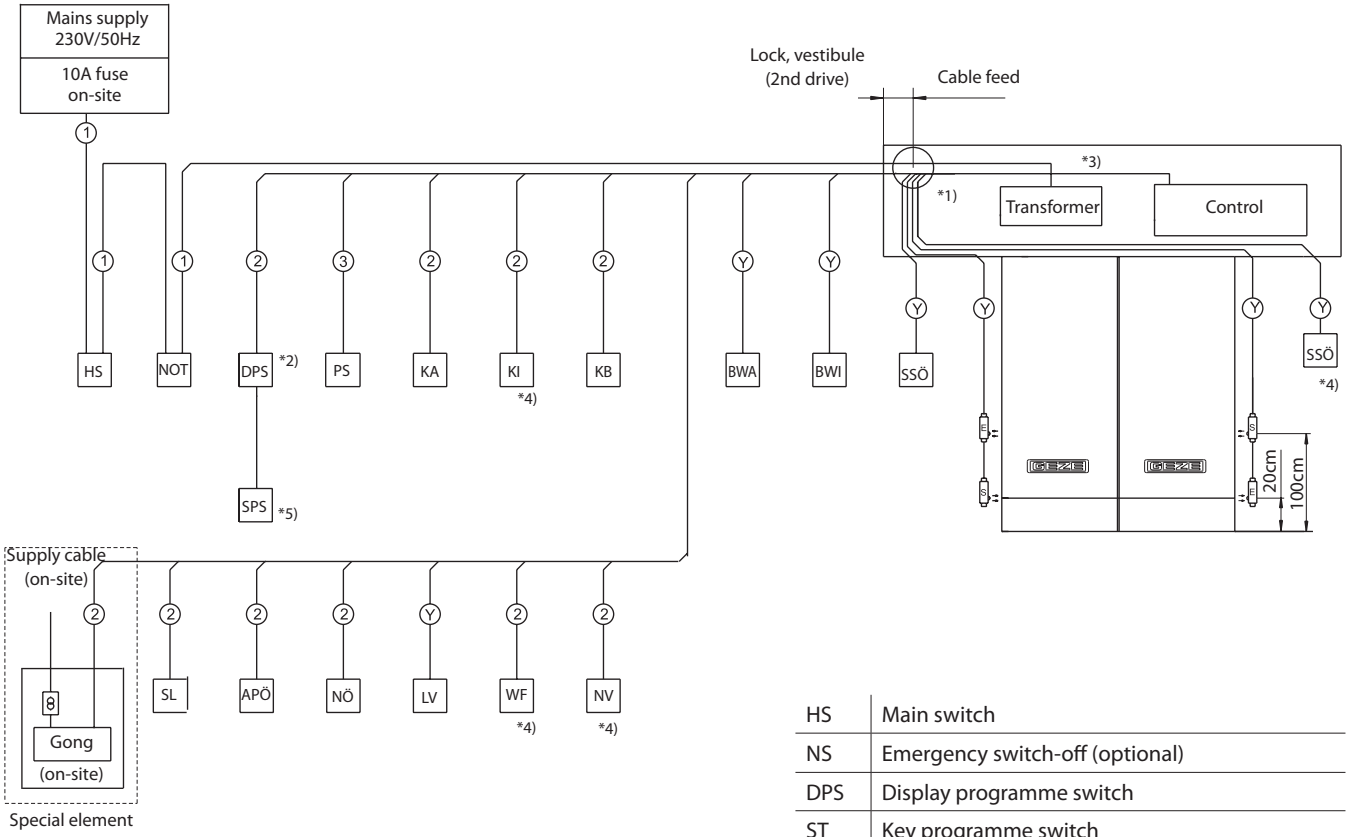
Mobile, handy and straightforward – that is parameter setting for the automatic GEZE door systems using the service terminal ST 220. Communication and data exchange between the service terminal and the door drive is via an integrated RS485 interface. The large illuminated interface is easy to operate thanks to the plain text display. The service terminal is equipped with a readout function for servicing and diagnosis work. Power is supplied via the door system. Password protection to freeze operating parameters and servicing data guarantees there will be no unauthorised modifications made.

GEZEconnects

Service terminal ST 220

Cable diagram DCU1, DCU1-2M

For more detailed information about connection of the actuation elements and sensors see the connection diagram 134365 (German version).



HS	Main switch
NS	Emergency switch-off (optional)
DPS	Display programme switch
ST	Key programme switch
PS	Programme switch
KA	Contact sensor outside
KI	Contact sensor inside
KB	Contact sensor “authorised”
BM	Movement detector
SO	Safety sensor “Open”
SM	Fault indicator Fault lamp or fault horn
AÖ	Pharmacy opening
NÖ	Emergency opening
SIS	Light curtain with movement detector KA or KI
S/W	Lock, vestibule
NV	Emergency locking

Wire cross-section:

(1) NYM-J 3 x 1.5 mm²

(2) I-Y(ST)Y 2 x 2 x 0.6 mm

(3) I-Y(ST)Y 3 x 2 x 0.6 mm

(Y) Scope of supply GEZE

Safety
- Cable routing according to VDE 0100
- Cable routing, connection and initial operation may only be carried out by authorised specialists.
- GEZE does not accept any warranty and service performances in combination with external brands.

Notes
1) Cable feed through the side plate or through the running rail on the left. To protect the cables, avoid sharp edges or use edge protection.
2) Cable length max. 100 m
3) Allow signal cables to protrude at least 5 m and mains cables at least 2 m out of the wall
4) Not for DCU1-2M
5) Required for DCU1-2M

References

Slimdrive SL NT with vestibule, Augustinum, Stuttgart, Germany

ECdrive, Augustinum, Stuttgart, Germany

POTENTIAL APPLICATIONS OF GEZE PRODUCTS

You will find more product information in the relevant brochures, see ID numbers.

Door technology	
01	Overhead door closers ID 091593, ID 091594
02	Hold-open systems ID 091593, ID 091594
03	Integrated door closers ID 091609
04	Floor springs ID 091607
05	Sliding door gear systems and linear guides ID 123605, ID 008770, ID 000586
Automatic door systems	
06	Swing doors ID 144785
07	Sliding, telescopic and folding doors ID 143639
08	Circular and semi-circular sliding doors ID 135772
09	Revolving doors ID 132050
10	Actuation devices and sensors ID 142655
Smoke and heat extraction and window technology	
11	Fanlight opening systems ID 127787
12	Electric opening and locking systems ID 127785, ID 127789
13	Electrical spindle and linear drives ID 127785, ID 127789
14	Electric chain drives ID 127785, ID 127789
15	Smoke and heat extraction systems ID 127785, ID 139075
Safety technology	
16	Emergency exit systems ID 132408
17	Access control systems ID 132158
18	Panic locks ID 132848
19	Electric strikes ID 148666
20	Building management system ID 132408
Glass systems	
21	Manual sliding wall systems (MSW) ID 104377
22	Integrated all-glass systems (IGG) ID 104366
23	GEZE Patch fittings mono glass systems ID 122521

POTENTIAL APPLICATIONS OF GEZE PRODUCTS

Door technology

The functionality, superior performance and reliability of GEZE door closers are impressive. A common design across the range, the ability to use them on all common door leaf widths and weights, and the fact that they can be individually adjusted makes their selection simple. They are continually being improved and enhanced with up-to-date features. For example, the requirements of fire protection and accessibility are fulfilled with a door closer system.

Automatic door systems

GEZE automatic door systems open up a huge variety of options in door design. The latest, innovative high-performance drive technology, safety, ease of accessibility and first class universal drive design set them apart. GEZE offers complete solutions for individual requirements. A dedicated division is responsible for the development and construction of individual special designs.

Smoke and heat extraction and window technology

GEZE smoke and heat extraction systems and ventilation technology provide complete systems solutions combining the many requirements of different types of windows. We supply a full range from energy efficient drive systems to natural ventilation and complete solutions for supplying and extracting air, also as certified SHEVs.

Safety technology

GEZE safety technology sets the standards where preventative fire protection, access control and anti-theft security in emergency exits are concerned. For each of these objectives GEZE offers tailored solutions, which combine the individual safety requirements in one intelligent system and close doors and windows in case of danger in a coordinated manner.

Building systems

In GEZE's Building Management System GEZE door, window and safety products can be integrated in to the security and control systems of the building. A central control and visualisation system monitors various automation components in the building and offers security through many different networking capabilities.

Glass systems

GEZE glass systems stand for open and transparent interior design. They can either blend discreetly into the architecture of the building or stand out as an accentuated feature. GEZE offers a wide variety of technologies for functional, reliable and aesthetic sliding wall or sliding door systems providing security with lots of design scope.

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