



GEZE SLIMDRIVE SL SLIDING DOOR SYSTEMS
PERFECTION – EXTREMELY COMPACT



GEZE SLIMDRIVE SL AND VARIANTS

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Triangel Köln, Germany

INTRODUCTION



GEZE Slimdrive – Perfection extremely compact

GEZE is the first manufacturer to offer a complete series of automatic door drives in the 7-cm range. The Slimdrive product range comprises automatic door systems for side hung doors and sliding doors, including telescopic and circular sliding doors as well as folding doors. The extremely slim design makes it possible for the designer and architect to locate the drives so that they are nearly invisible in the elevation. This series of drives distinguishes GEZE as a one-port call for all fittings requirements, offering the designer the largest possible design freedom as well as individual design solutions.

The Slimdrive SL hides the powerful drive system for automatic sliding doors in only 7 cm, which fits elegant into each straight façade and therefore makes room for your own design. Furthermore, large opening widths can be realized with the Slimdrive SL sliding door system. The cover height of only 7 cm also houses the safety system for sliding doors on escape and rescue routes, called Slimdrive SL-FR.

The Slimdrive SL allows the use of GEZE IGG, which makes fittings disappear between the panes. Thus the idea for an all-glass façade is consequently applied to the door sector.

All members of the Slimdrive product family are open to retro-fitting into existing façades. The processor will benefit, among others, a small number of profiles and consistent modularity. Fast fabrication of customized opening widths and the simple installation of the mechanical drive components reduce the installation time considerably.

GEZE offers a fast, skilled and comprehensive service.

GEZE SLIMDRIVE SL AND VARIANTS

PRODUCT BENEFITS



DIN 18650

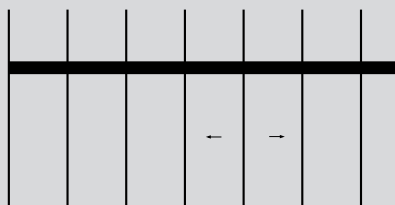


The reduction to the essential optimises technique and out appearance thus making room for new freedom of façade design and offering noteworthy ecological and economical advantages:

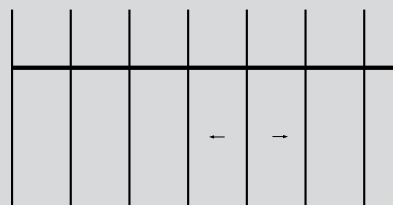
- Environment-friendly due to economical use of material and energy
- Tailored-to-size system fabrication
- Simple and quick mounting as well as initial installation
- Safe maintenance diagnosis

When SIZE presents an obstacle**Rather unsightly:**

This is how it used to be: A façade entrance with a colossal visual interference.
To blame is the rather generous size of conventional drives used for automatic sliding doors.

**Less is more****Simply elegant:**

Slimdrive SL has shrunk the drive. The complete system is contained within an overall height of only 7 cm. This means that Slimdrive system can be concealed in any façade.

**Impeccable drive – impeccable function**

In order to guarantee our name for reliability, GEZE have introduced some good ideas. A low-wear and maintenance-free high-performance DC motor drives an almost silent running gear. Power is transmitted by means of a toothed belt, deflection rollers are positioned in precision ball bearings. The leaf-weight is distributed evenly via two double rollers in the track profile.



BBI Tower Airport Berlin, Germany

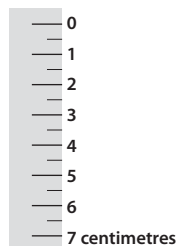
EXAMPLES OF USE

Slimdrive SL is extremely versatile. It is suitable for single-leaf or double-leaf doors consisting of ESG toughened safety glass with slim profile frame, 22 mm double-glazed glass or frameless door leaves with concealed fittings. The Slimdrive SL is equally suitable for interior and exterior doors.

Combinations: The Slimdrive SL can be combined with the GEZE SecuLogic RWS emergency exit system (Slimdrive SL-FR-RWS) as well as with the GEZE SecuLogic access control system and the GEZE SecuLogic building technology facility management system.

GEZE SLIMDRIVE SL AND VARIANTS

GEZE SLIMDRIVE SL



Assembly

The Slimdrive SL has been developed as a fully modular system with an all-aluminium finish. It consists of mounting profile, track profile, cover and side parts.

- Slim construction dimensions: 70 mm x 189 mm (height x depth)
- All components are plug-in units
- The drive unit is completely pre-assembled
- Power supply can be flange-mounted to track which does not make a drilling necessary
- Special profiles made from anodised aluminium
- Extruded profile cover

Colours

Slimdrive SL is available in anodised aluminium with anti-corrosion effect as well as all RAL colours.

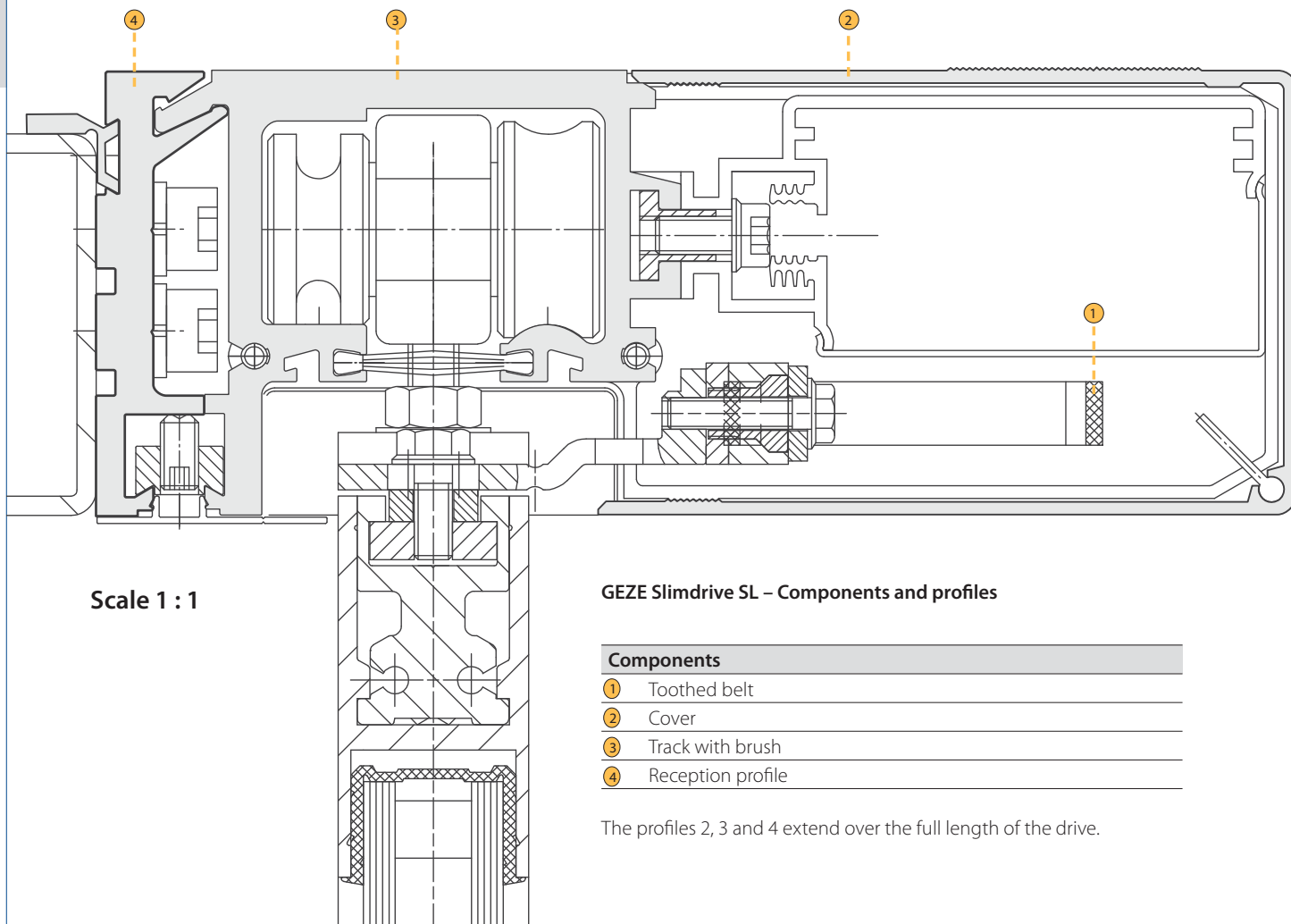
Installation

All components including the cover plate are installed onto the mounting profile. Using appropriate adapter profiles, Slimdrive SL is suitable for post-rail installations as well as wall and ceiling installation.

Maintenance

Slimdrive SL derives its low-maintenance character from the clearly designed and developed system with easily accessible components and full digital technology, amongst other factors.

- Convenient maintenance due to removable parts and a cover that can be locked into a secure position
- Easily accessible terminal strips with integrated cable duct
- System adjustment and maintenance diagnosis is carried out completely and exclusively using the display integrated with the programme switch
- Motor, gears and toothed belt are maintenance-free



GEZE Slimdrive SL – Components and profiles

Components

- | | |
|---|-------------------|
| ① | Toothed belt |
| ② | Cover |
| ③ | Track with brush |
| ④ | Reception profile |

The profiles 2, 3 and 4 extend over the full length of the drive.

GEZE SLIMDRIVE SL AND VARIANTS

Ideal ratio of leaf height and width for Slimdrive SL (recommended by GEZE)

	Passage height	Minimum opening width
Double-leaf	2200 mm	1000 mm
	2500 mm	1200 mm
	2900 mm	1400 mm

GEZE SLIMDRIVE SL-FR

**Design convinces – safety decides**

The drive measuring only 7 cm has been certified and approved for the use in escape and rescue routes according to German regulations. The Slimdrive SL-FR has identically features as the automatic sliding door system Slimdrive SL. With power failure or in the incident it is ensured by redundancy that the sliding door in the operation modes "Automatic" and "Shop closing time" opens surely automatically. In the program position "Night" prevents the bolting device unauthorized opening of the door.

Safety functions

- Automatic opening in the case of disturbing and emergency, with power failure by energy storage
- Static opening and closing force limitation < 150 N
- Light barrier fuse protection in accordance to ZH 1/494
- Automatic safety auto reverse when an obstacle is encountered in closing direction (adjustable reversing pressure)
- Electric emergency unlocking (option)
- Battery pack to open the door in case of failure even from the programme switch position "Night"

GEZE SLIMDRIVE SL-BO

The break-out sliding door

Fundamentally, Slimdrive SL-BO (Break-Out) exhibits identical features as Slimdrive SL-FR. The break out design makes it possible to swing the leaves open in direction of the emergency exit – basically a sliding door system with swing door hardware. The so-called Break-Out solution has of course been officially approved and certified for use on escape and rescue routes (German standard). Slimdrive SL-BO is available either single or double-leafed without side screens or alternatively swing out to fixed side as well as version Slimdrive SL-BI (Break-In).

TECHNICAL DATA

		Slimdrive SL	Slimdrive SL-FR	Slimdrive SL-BO
Opening width	1-leaf	700–2000 mm	1000–2000 mm	900–1400 mm
	2-leaf	900–3000 mm	1000–3000 mm	1000–2500 mm
Max. leaf weight	1-leaf	120 kg	120 kg	100 kg
	2-leaf	2 x 120 kg	2 x 120 kg	2 x 100 kg
Max. opening speed 2-leaf with 2 x 100 kg		0,7 m/s	0,7 m/s	0,7 m/s
Max. closing speed		0,4 m/s	0,4 m/s	0,4 m/s
Leaf height up to		approx. 3000 mm	approx. 3000 mm	approx. 2500 mm

Material of door leaf	Slimdrive SL	Slimdrive SL-FR	Slimdrive SL-BO
Glass doors consisting of slim framed ESG or ISO glass	●	●	●
Framed doors made of timber, metal or aluminium	●	●	○
Frameless double-glazed IGG doors	●	●	○

● = standard

○ = not possible with this variant

The largest possible design freedom

SLIMDRIVE IGG

Virtually invisible

The aesthetics and excellent physical properties of the material glass fascinate and inspire architects. From the inspiration transparent experience rooms are realised. To assure that flexibility, protection, warmth and comfort will not be lost innovative hardware systems have an essential role. With the IGG integrated glass system GEZE has developed a solution that supports the visual appearance of architecture, without a foreign element disturbing the aesthetics.

The IGG glass panels are held in place by technology embedded between two panes of glass. Transparency is all that remains due to ingenious ceramic coating. Innovative, elegant, reliable and completely transparent – with Slimdrive IGG (frameless glass) all this is no longer a contradiction.

Of course, the IGG system can even be used in conjunction with Slimdrive SL-FR for escape and rescue routes. By this means transparency, functionality and reliability combine to perfection.



Klinik Sonnenwende Bad Dürkheim · Slimdrive SL-IGG with special imprint



Trendpark Neckarsulm · Slimdrive SLV

SLIMDRIVE SLV

Room for design

The Slimdrive SLV from GEZE is the perfect solution for the use in corner sliding doors. Thanks to its overall height of 7 cm, the drive – like all other members of the Slimdrive family – simply disappears into the façade. It is replaced by transparency and aesthetics. More generously entrances become reality. The automatic corner sliding door drive Slimdrive SLV-FR is suitable for escape and rescue routes. This innovative technique requires absolute precision work. On request GEZE will meet its customers specific requirements and developed the perfect solution for each building situation.

- Corner sliding door system with an overall height of 7 cm (same as Slimdrive SL)
- Version Slimdrive SLV-FR for the use on emergency exits and escape routes on request
- Angle between 90° and 270°
- Opening width from 900 mm to 2000 mm
- Max. leaf weight 120 kg
- Door leaf of toughened safety glass with slim frame or 22 mm double-glazed safety glass
- Available in anodised aluminium as well as all RAL colours

Increased safety through smoke and burglar-proof

SLIMDRIVE SL-RD

Smoke-proof sliding door

GEZE Slimdrive SL is a tried and tested sliding door drive, which has proved to be very reliable. Another product of this series is Slimdrive SL-RD, featuring the same quality characteristics. The sliding door system Slimdrive SL-RD met the requirements for smoke control but is open to all design options – not least due to the drive construction height of only 7 cm. The Slimdrive SL-RD sliding door system consists of the drive and a filigree smoke-proof profile system.

- Height of drive only 7 cm
- Continuous floor guides as well as all round flexible seals ensure smoke proofing
- Actuation can be triggered via smoke detectors or external fire alarm system
- System for double-leaf doors available
- Versions: fine-framed double-glazed safety glass (ISO) or toughened safety glass (ESG)
- Type-tested according to DIN 18095

ESPAGNOLETTE LOCK FOR SLIMDRIVE SL

Espagnolette lock for Slimdrive SL and variants

The espagnolette locking system is designed for increased safety and protection against burglar. The multi-point locking system – to the top frame and into the floor – provides a solid resistance against burglar attempts. That does not mean that the 7-cm slimline look had to be compromised: The locking bar has been integrated invisibly into the slim-frame ISO profile system. Unlocking can be actuated electrically or mechanically. The espagnolette lock has been developed for the following GEZE products:

- **Slimdrive SL** drive system for automatic sliding doors
- **Slimdrive SLT** drive system for automatic telescopic sliding doors
- **Slimdrive SC/SCR** drive system for automatic circular sliding doors

Of course it is also possible to install the espagnolette locking system in combination with the automatic systems used for escape and rescue routes.



Espagnolette lock for Slimdrive SL

GEZE SLIMDRIVE SL AND VARIANTS

CONTROL AND FEATURES

Slimdrive	SL	SL-FR
Functions basic configuration		
Self-learning, complete with fitting plug		●
Rapid system commissioning via programme switch or service terminal ST220		●
Adjustment of parameters via programme switch, using a few function keys		●
Automatic error detection and emergency operating properties		●
Various hold-open times for different functions		●
Programme storage in Flash-Eprom allowing on-site programme updates		●
Movement parameters		
Opening speed per door leaf	max. 0,7 m/s	
Closing speed per door leaf	max. 0,4 m/s	
Automatic increase of hold-open time depending on traffic (selectable)		●
Safety functions		
Static opening/closing force limitation	max. 150 N	
Safety sensor with self-testing function (photoelectric barrier or light curtain)		●
Automatic reversing when an obstacle is detected		●
Anti-Lock in opening direction		●
Manual emergency unlocking (standard) with unlocking pin		●
Electric emergency unlocking (option)		●
Battery pack to open/close the door in case of power failure (no permanent operation)		●
Integrated mains switch		●
Automatic opening of the door in case of a failure or emergency owing to a dual-motor technology	○	●
Special functions		
Connection to fire alarm system via permanent potential-free contact		●
Link to burglar alarm system via permanent potential-free contact		●
Chemists' late night opening setting		●
Personnel locks	●	○
Draught lobbies	●	●
Tamper contact for external key-operated switch		●
Espagnolette lock (for double leaf version only)		●
Bottom locking		●
Fixed panel safeguarding via sensors	●	○
Emergency locking	●	○
Switching over to other modes of operation by means of timer	●	●

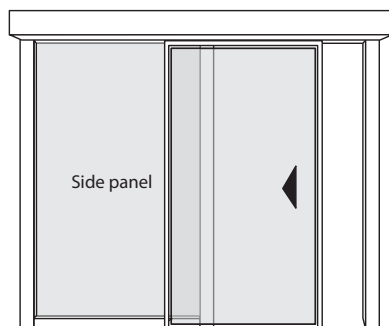
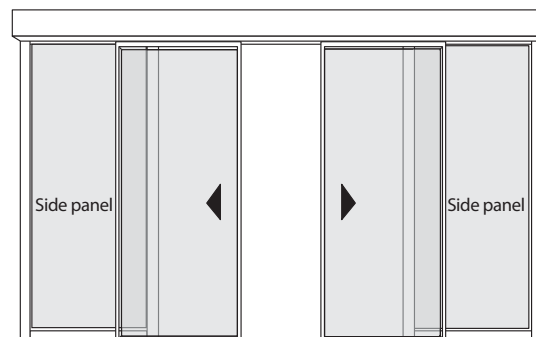
● = standard

● = conditionally possible with this variant

○ = not possible with this variant

MOUNTING EXAMPLES

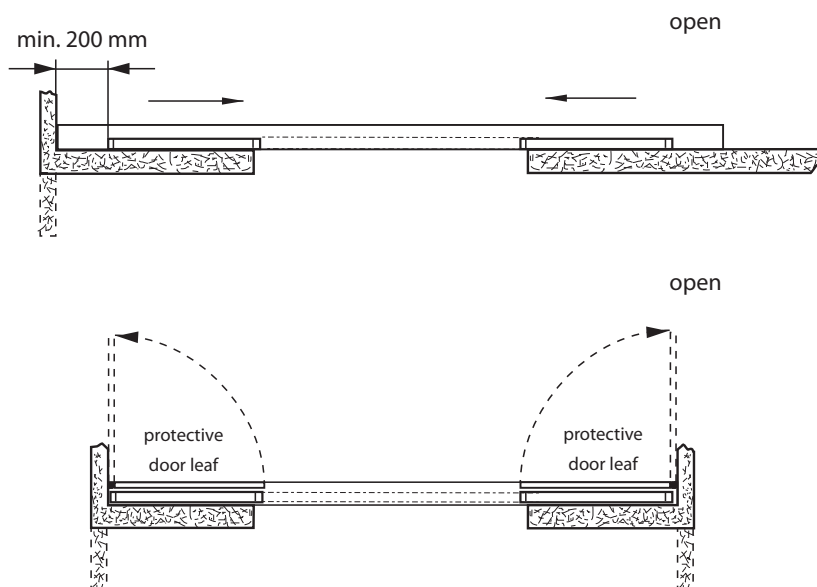
The linear sliding door systems Slimdrive SL/SL-FR are suitable for single-leaf or double-leaf doors, left-hand as well as right-hand closing, with or without side panel. The systems can be used in both interior and exterior areas.

View from inside**Single-leaf door, right-hand closing****Double-leaf door, with side panel****INSTALLATION VARIATIONS
SLIMDRIVE SL**

If the building is used by persons requiring a certain degree of protection in accordance with the building law, further protective measures than those mentioned below may become necessary.

Installation into lintel without side panel, double-leaf

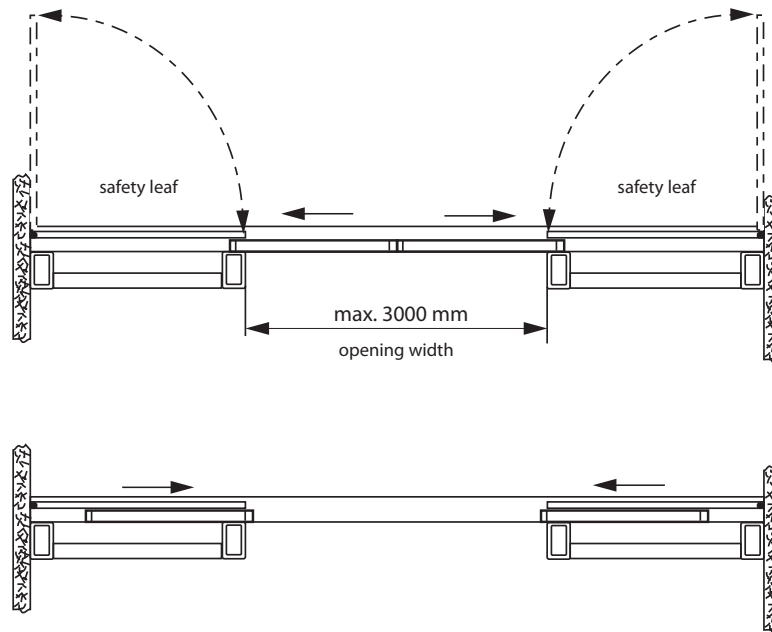
- without protective door leaf
- with protective door leaf



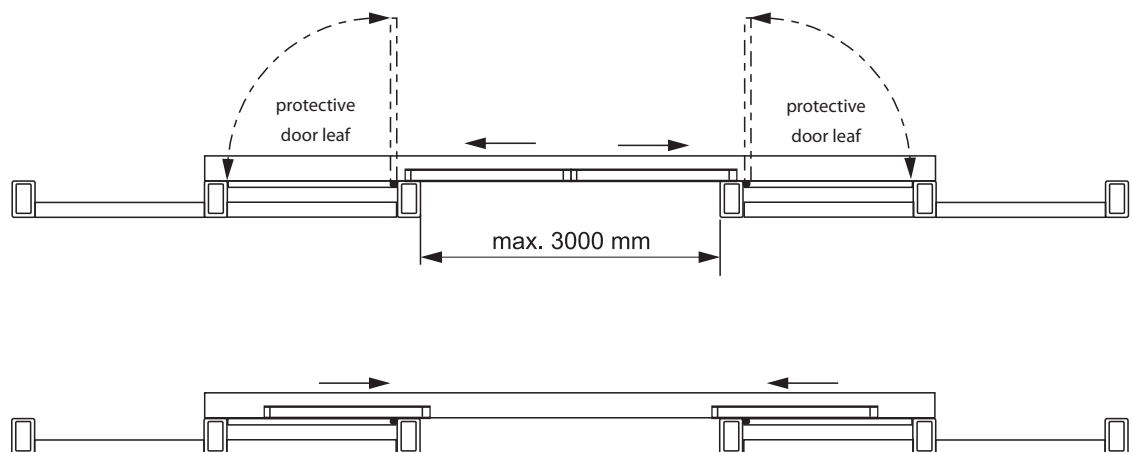
Protective door leaves and safety leaves are used when necessary according to DIN 18650.

**INSTALLATION VARIATIONS
SLIMDRIVE SL****Installation into façade construction, double-leaf**

- with safety leaf

**Installation into façade construction, double-leaf**

- with protective door leaf



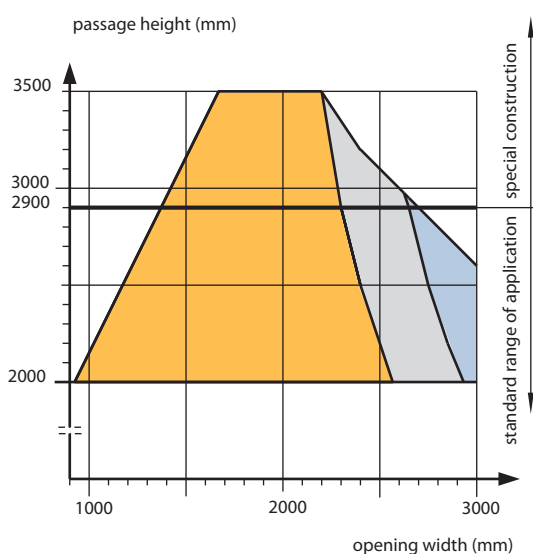
Protective door leaves and safety leaves are used when necessary according to DIN 18650.

**INSTALLATION VARIATIONS
SLIMDRIVE SL****Mounting to post-rail structure**

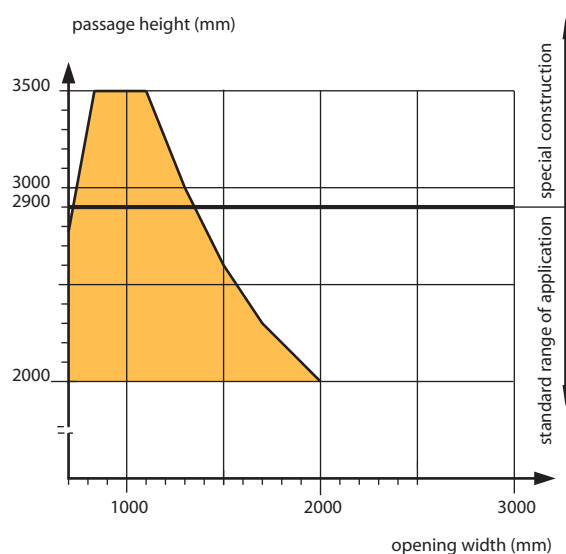
The following diagrams will only apply, if double-leaf drives are fixed to four posts or single-leaf drives are fixed to three posts.

Double-leaf

- Max. door leaf weight 2×120 kg
- Max. ratio of leaf height/leaf width = 1 : 4
calculation based on leaf weight 30 kg/m^2

**Single-leaf**

- Max. door leaf weight 120 kg
- Max. ratio of leaf height/leaf width = 1 : 4
calculation based on leaf weight 30 kg/m^2

**LEGEND DIAGRAMS**

Application range	Profile
Standard range of application	
Extended range of application with reinforced rail (steel tube) within the passage area (provided by customer)	
Range of application with additional ceiling suspension	

The potential opening width is reduced by 15% if a shoot bolt lock is used.

GEZE SLIMDRIVE SL AND VARIANTS

INSTALLATION VARIATIONS
SLIMDRIVE SL

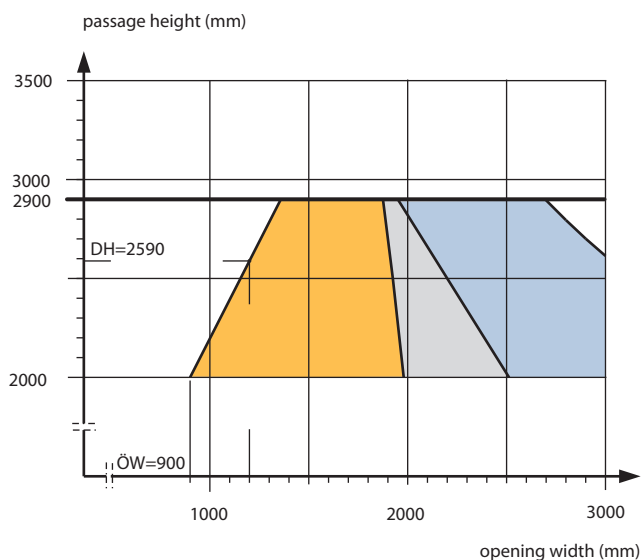
Mounting to self-supporting beam with and without fanlight

Example:

With an opening width of 1200 mm the max. clear passage height that can be obtained is approx. 2500 mm. The ratio door leaf height/door leaf width = 1 : 4

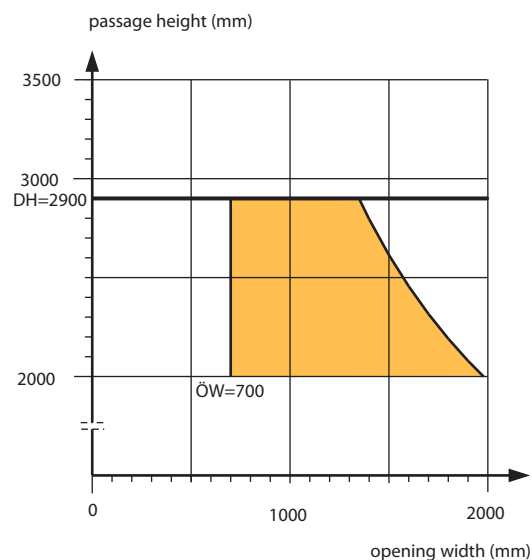
Double-leaf

- Max. door leaf weight 2 x 120 kg



Single-leaf

- Max. door leaf weight 120 kg

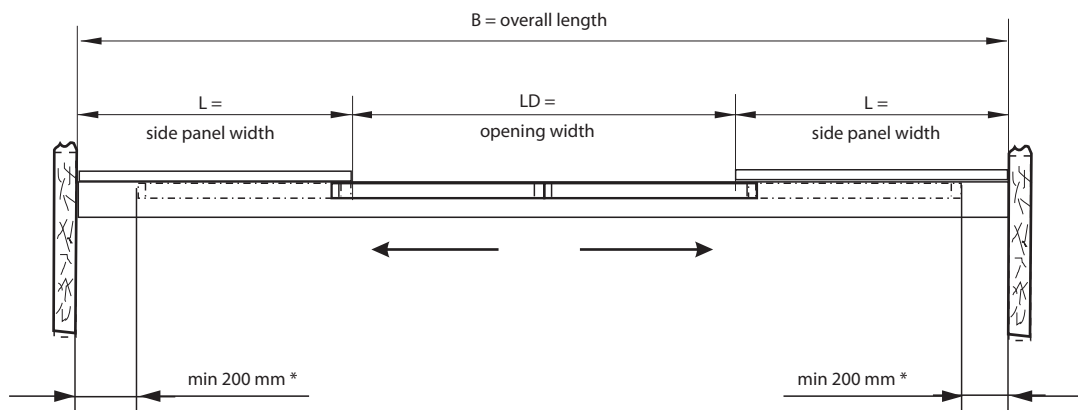


LEGEND DIAGRAMS

Application range	Profile
Standard range of application single carrier	
Additional range of application double carrier	
Single carrier, carrier and track additionally suspended from the ceiling	

**INSTALLATION VARIATIONS
SLIMDRIVE SL****Mounting to self-supported beam with and without fanlight**

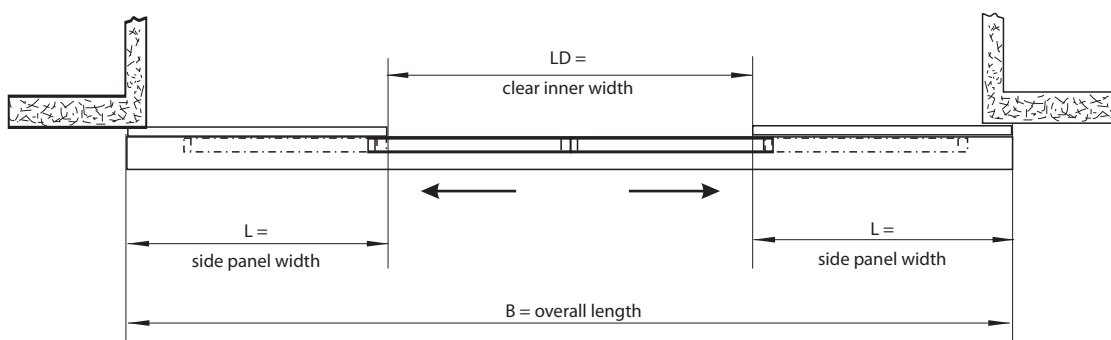
- Double-leaf, side panel width $L = (B - LD) / 2$
- With mounting on external façades: $LD = \text{max. } 2000 \text{ mm}$, $B = \text{max. } 4500 \text{ mm}$
- Height incl. fanlight = max. 3000 mm



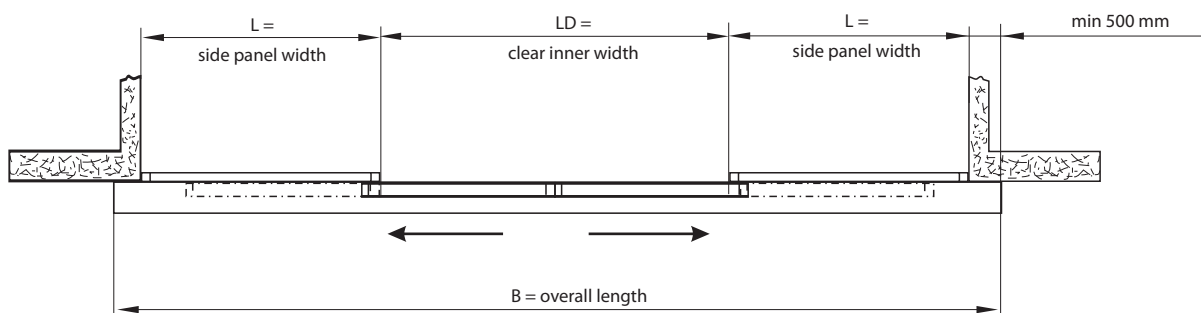
* an alternative safeguarding is possible

Wall mounting/lintel mounting, double-leaf

- Max. overall length $B = 6200 \text{ mm}$

**Wall mounting, side panels between the wall, double-leaf**

- Max. overall length
self-supporting $B = 4500 \text{ mm}$, lintel mounting $B = 6200 \text{ mm}$

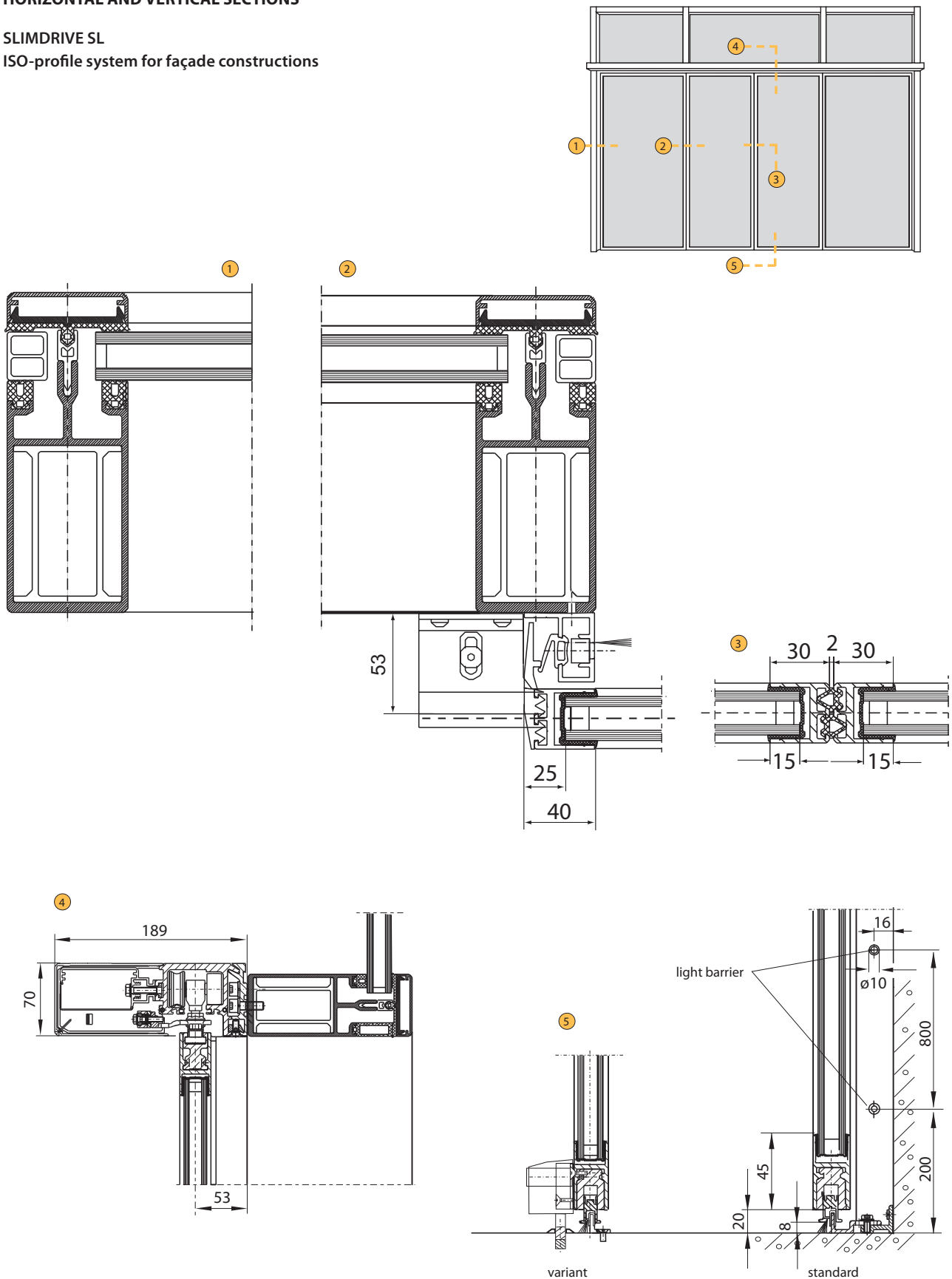


GEZE SLIMDRIVE SL AND VARIANTS

HORIZONTAL AND VERTICAL SECTIONS

SLIMDRIVE SL

ISO-profile system for façade constructions

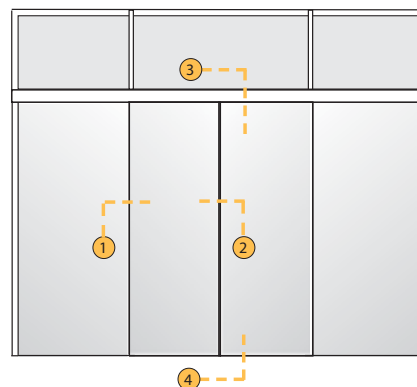
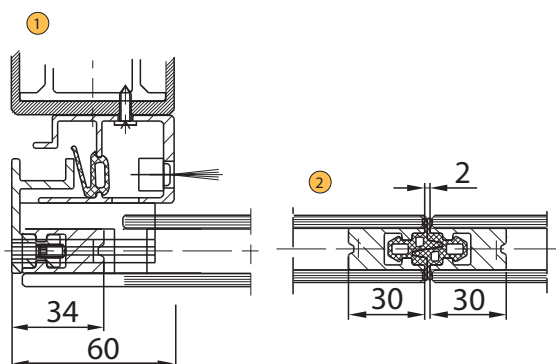


Hint: A shoot bolt lock can be used for the ISO-profile system. In this case the elevation width of the profiles at the main closing edge is 2 x 50 mm (instead of 2 x 30 mm).

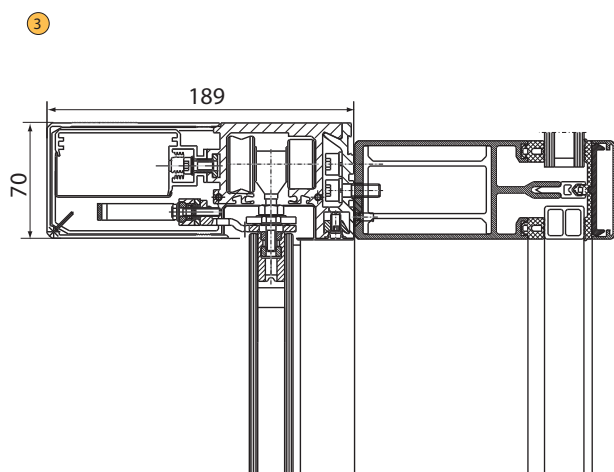
HORIZONTAL AND VERTICAL SECTIONS

SLIMDRIVE SL

Integrated all-glass system GEZE IGG

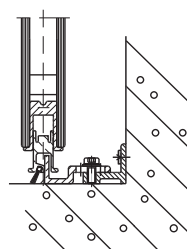


With IGG sliding leaves, two types for posts with the projection width 50 mm or 60 mm are available.



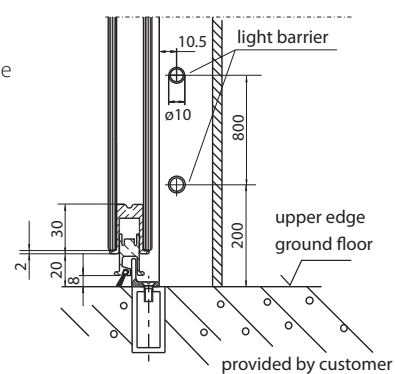
Variant 1

- Adjustable floor guide

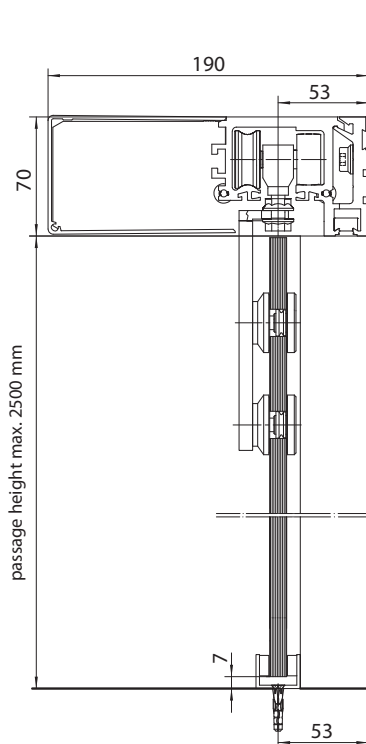


Variant 2

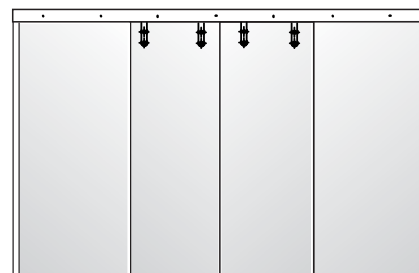
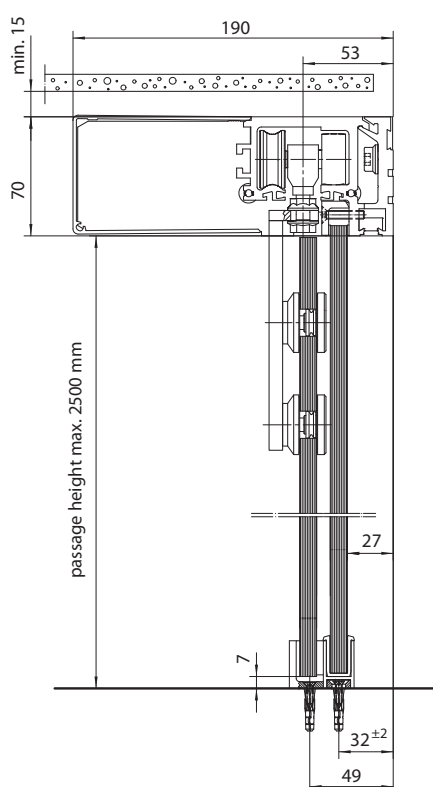
- Floor guide



SLIMDRIVE SL – Door leaf with GGS



SLIMDRIVE SL – Side panels with GGS

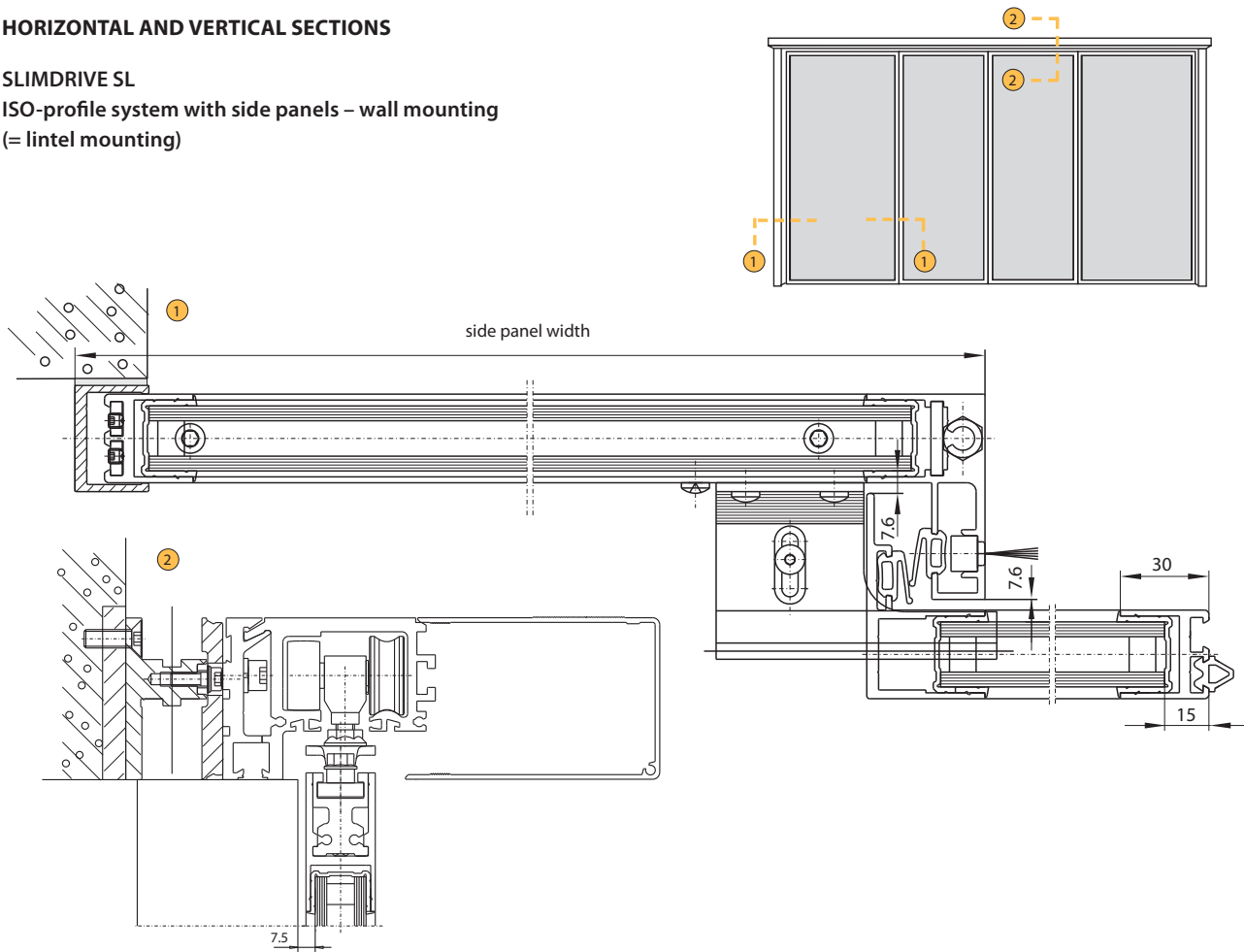


GEZE SLIMDRIVE SL AND VARIANTS

HORIZONTAL AND VERTICAL SECTIONS

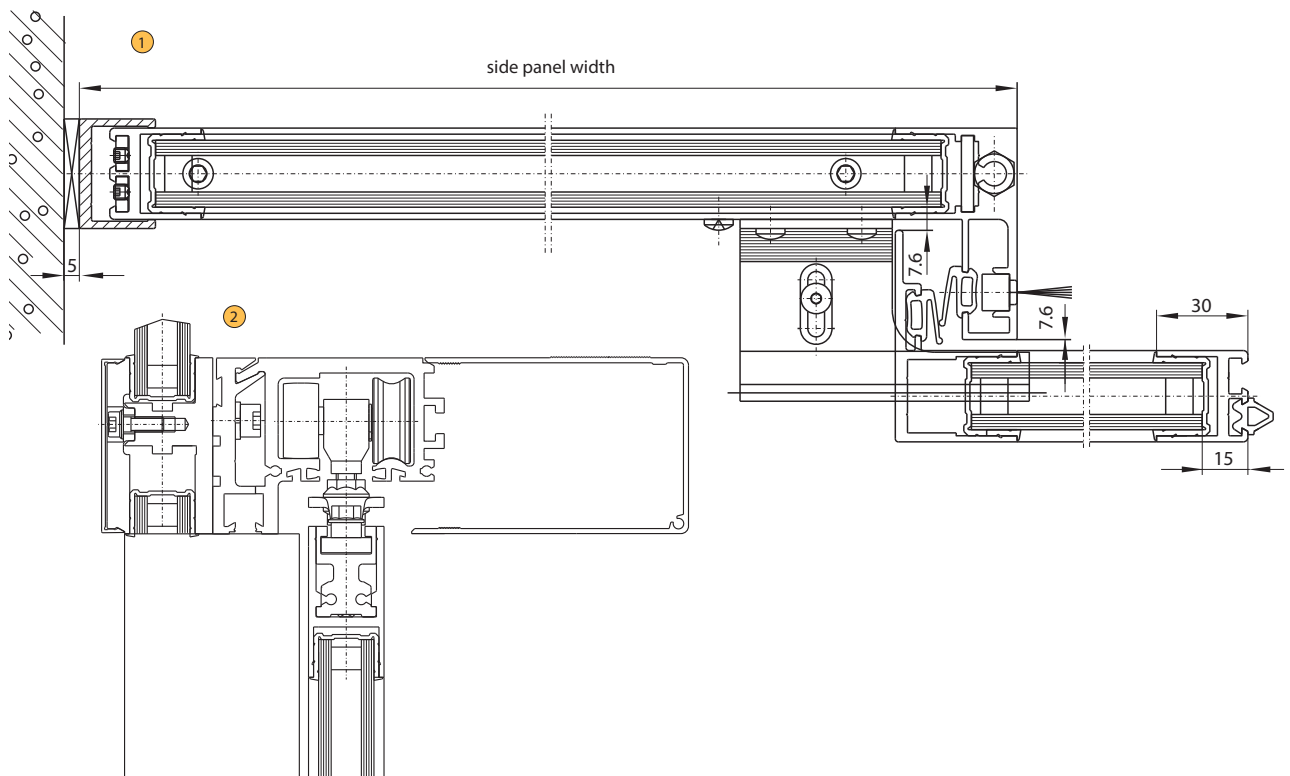
SLIMDRIVE SL

ISO-profile system with side panels – wall mounting
(= lintel mounting)



SLIMDRIVE SL

ISO-profile system with side panels – self-supporting mounting



**CALCULATION
SLIMDRIVE SL****Calculation of the overall length of the complete system (AL)**

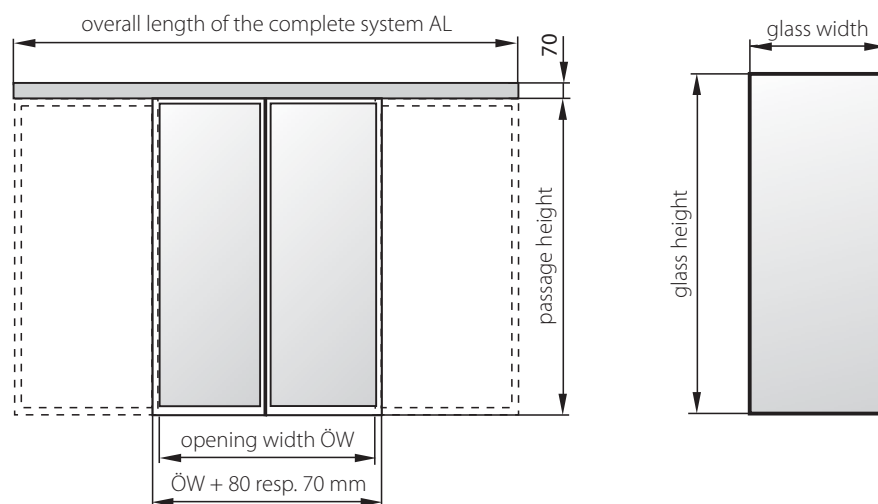
	Slimdrive SL	Slimdrive SL-FR	Slimdrive SL-GGS
Double-leaf	$\ddot{O}W = 900 - 1100$	$\ddot{O}W = 900 - 1100$	$\ddot{O}W = 1200 - 3000$ $AL = 2 \times \ddot{O}W + 200$
	$AL = \ddot{O}W + 1100$	$AL = \ddot{O}W + 1100$	
	$\ddot{O}W = 1000 - 3000$	$\ddot{O}W = 1000 - 3000$	
	$AL = 2 \times \ddot{O}W + 100$	$AL = 2 \times \ddot{O}W + 100$	
Single-leaf right-hand closing	$\ddot{O}W = 700 - 2000$ $AL = 2 \times \ddot{O}W + 50$	$\ddot{O}W = 700 - 800$	$\ddot{O}W = 700 - 1500$ $AL = 2 \times \ddot{O}W + 320$
		$AL = \ddot{O}W + 850$	
		$\ddot{O}W = 800 - 2000$	
		$AL = 2 \times \ddot{O}W + 50$	
Single-leaf left-hand closing	$\ddot{O}W = 700 - 2000$ $AL = 2 \times \ddot{O}W + 50$	$\ddot{O}W = 700 - 800$	$\ddot{O}W = 700 - 1500$ $AL = 2 \times \ddot{O}W + 540$
		$AL = \ddot{O}W + 850$	
		$\ddot{O}W = 800 - 2000$	
		$AL = 2 \times \ddot{O}W + 50$	

Hint: Opening widths ($\ddot{O}W$) of sliding doors on escape routes > 1000 mm are only admissible in special cases. The minimum opening widths have to comply with the requirements of the building regulations.

Calculation of glass dimensions for sliding leaf (ISO-glass profile system)

Width	single-leaf	glass width = opening width
	double-leaf	glass width = opening width / 2 ^{*)}
Height	single-leaf or double-leaf	glass height = passage height - 107 mm

^{*)} In combination with the shoot bolt lock the glass width = opening width / 2 - 20 mm




Zertifikat Nr.: P-2654/06

(Nur gültig mit umseitigen Bedingungen)

Genehmigungsinhaber : GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Fertigungsstätte : GEZE GmbH
Reinhold-Vöster-Straße 21-29; 71229 Leonberg

Baumusterprüfzeichen

Geltungsdauer
31.12.2010



Erzeugnis : Automatische Linearschiebetür
Typ : Slimdrive SL

Prüfgrundlagen :

- DIN 18650-1/2: 2005-12
Schlösser und Baubeschläge - Automatische Türsysteme
- BGR 232:
Kraftbetätigte Fenster, Türen und Tore,
- DIN EN 60 335-1: 2003-07
Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke
Teil 1: Allgemeine Anforderungen
- DIN EN 60 950: 2003-03
Sicherheit von Einrichtungen der Informationstechnik

sowie in vorgenannten Prüfgrundlagen aufgeführte mitgeltende Normen, Vorschriften und Richtlinien.

Prüfergebnis :

Die in den Prüfgrundlagen gestellten Anforderungen werden im Ergebnis der Baumusterprüfung und bei Einhaltung der Bedingungen der Baumusterprüfbescheinigung P-2654/06 von dem ganzen Erzeugnis erfüllt.

Die Genehmigung, das oben abgebildete Prüfzeichen gemäß den umseitig abgedruckten Bedingungen zu verwenden, wird hiermit erteilt.

Arnstadt, 19.05.2006

TÜV Thüringen Anlagentechnik GmbH
Prüfstelle für Gerätesicherheit

Dipl.-Ing. Sorge
Leiter der Prüfstelle





Zertifikat Nr.: P-2658/06
(Nur gültig mit umseitigen Bedingungen)

Genehmigungsinhaber : GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Fertigungsstätte : GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Baumusterprüfzeichen

Geltungsdauer
31.12.2010



Erzeugnis : Automatische Linear-schiebetür zum Einsatz in Rettungswegen
Typ : Slimdrive SL-FR 2M ein-/zweiflügelig

Prüfgrundlagen :

- Richtlinie über automatische Schiebetüren in Rettungswegen (AutSchR) (Mitteilung des DIBt Heft Dez/1998)
- DIN 18650-1/2: 2005-12
Schlösser und Baubeschläge - Automatische Türsysteme
- BGR 232
Kraftbetätigte Fenster, Türen und Tore,
- DIN EN 60 335-1: 2003-07
Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke
Teil 1: Allgemeine Anforderungen
- DIN EN 60 950: 2003-03
Sicherheit von Einrichtungen der Informationstechnik

sowie in vorgenannten Prüfgrundlagen aufgeführte mitgeltende Normen, Vorschriften und Richtlinien.

Prüfergebnis :

Die Prüfstelle für Bauprodukte des TÜV Thüringen e.V., als vom Deutschen Institut für Bautechnik Berlin unter THU 08 benannte PÜZ-Stelle mit den angeschlossenen Prüflaboratorien bestätigt:

> Das Baumuster entspricht den Vorschriften nach Bauregelliste A Teil 1 Nr. 6.18 für geregelte Bauprodukte <

Die in den Prüfgrundlagen gestellten Anforderungen werden im Ergebnis der Baumusterprüfung und bei Einhaltung der Bedingungen der Baumusterprüfbescheinigung P-2658/06 von dem ganzen Erzeugnis erfüllt.
Die Genehmigung, das oben abgebildete Prüfzeichen gemäß den umseitig abgedruckten Bedingungen zu verwenden, wird hiermit erteilt.

Zella-Mehlis, 19.05.2006

Technischer Überwachungsverein Thüringen e.V.
Prüfstelle für Bauprodukte

Dipl.-Ing. (FH) Reichelt
Leiter der Prüfstelle



GEZE SLIMDRIVE SL AND VARIANTS

GEZE Slimdrive SL/SL-FR WK2



DIN18650



The new GEZE Slimdrive SL WK2 sliding door system makes life difficult for burglars. The burglar resistant automatic linear sliding door system GEZE Slimdrive SL WK2 and the emergency exit variant SL-FR WK2 are just as stylish and unobtrusive as the tried and tested standard Slimdrive SL variants. With an unrivalled low overall height of only seven centimetres, the drive of the Slimdrive SL WK2 sliding door system is perfect for glass façades with slender profiles in post-rail structures.

The new system provides particular protection against burglary and vandalism. It has been especially developed for building entrances with increased security requirements, such as banks, dispensing chemists, jewellers, petrol stations or interiors with contents requiring particular protection, for example, computer rooms.

Slimdrive SL WK2 and SL-FR WK2 have been tested for component resistance class 2 (WK2) in accordance with prEN 1627 to 1630. This means that they successfully withstand burglary attempts with WK2 class tools such as screwdrivers, pipe wrenches and wedges and the static and dynamic loads. Opportunistic intruders are effectively stopped and security services gain response time.



Slimdrive SL WK2

TECHNICAL DATA

Slimdrive	SL WK2	SL-FR WK2
Dimensions	70 x 189 mm	
For single-leaf/double-leaf door systems	● / ●	
Max. door leaf weight per leaf	120 kg	
Opening width	900 - 3000 mm	
Passage height	max. 3000 mm	
With side panels	●	
With safety leaf / with door protection leaf	○ / ●	
With fanlight	○	
Types of mouting		
- self-supporting mouting	○	
- wall mouting	●	
- mounting on profile system	●	

● = standard

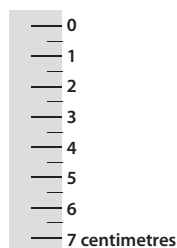
● = option

○ = not possible with this variant

GEZE SLIMDRIVE SL AND VARIANTS

GEZE SLIMDRIVE SL/-FR WK2

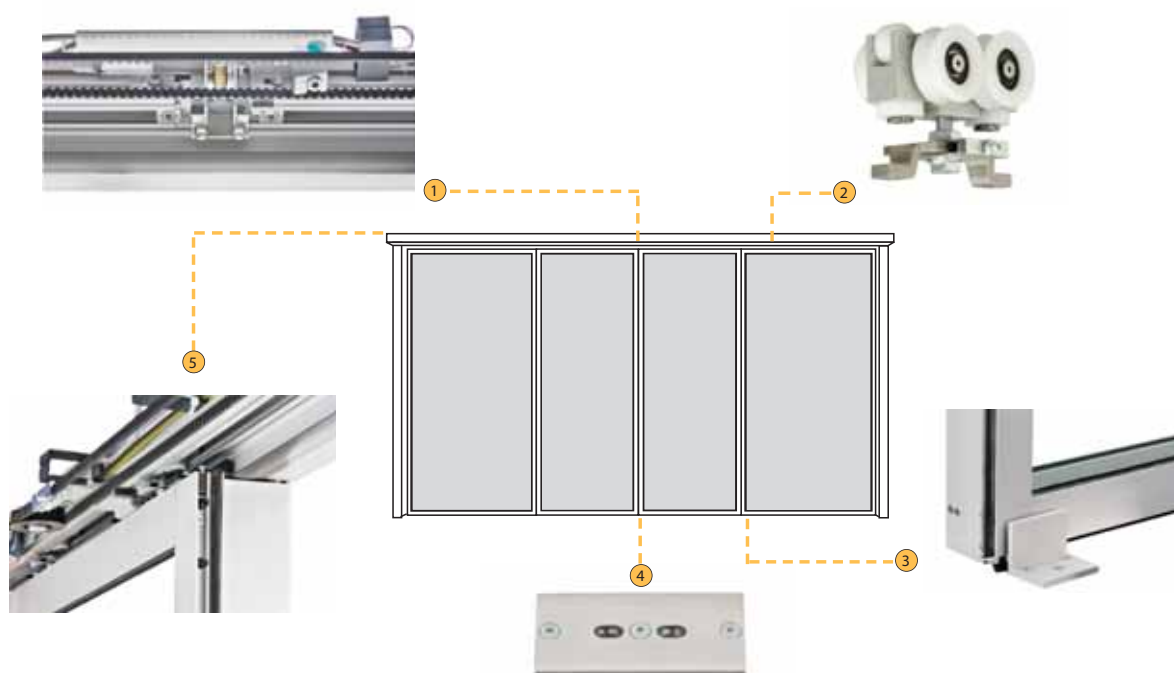
Burglar resistant sliding door system with an overall height of only 7cm and thin-framed hardware system tested to resistance class 2.

**Product features**

- Certified in accordance with DIN 18650
- Stylish, unobtrusive 7cm look with thin-framed ISO hardware system
- Certified burglary resistance to resistance class 2 (prEN 1627 to 1630)
- Passage height up to 3000 mm available with MONO safety glass for WK2 (laminated safety glass (VSG) 55.4) or ISO safety glass for WK2 (VSG 44.4 + air space (SZR) 8 + single pane toughened safety glass (ESG) 5)
- Reinforced anti-tilt roller carriage version
- Additional slide protection at the door suspension plate against pressing in of the moving leaves
- Additional mechanical access protection in the area of the top door shoe against manipulation of the roller carriages
- Reinforced bi-stable electromechanical rod lock invisibly integrated in the profile system with manual emergency unlocking in the drive and optional potential-free contact for lock monitoring and signalling of the door state to an alarm system or to a building management system
- Selective point floor guide with reinforced support angle bracket to protect as anti-lift/anti-separation protection for the moving leaf
- Optional installation base for support angle bracket and floor plate for rod lock for stable fixing on unfinished floors

With Slimdrive SL-FR WK2 version

- Escape route function with redundant drive and wear-resistant two-motor technology, also available in the RWS, LL and DUO variants.

**GEZE Slimdrive SL WK2 – Burglary resistant components**

Components	
①	Rod lock
②	Anti-tilt roller carriage
③	Angle floor guide with reinforcing angle bracket
④	Reinforced floor plate
⑤	Slide protection and access protection

INSTALLATION VARIATIONS

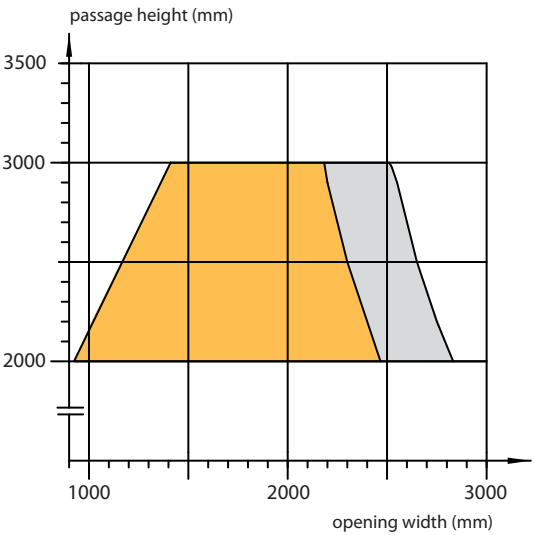
SLIMDRIVE SL WK2

Mounting to post-rail structure

The following diagrams will only apply, if double-leaf drives are fixed to four posts or single-leaf drives are fixed to three posts.

Double-leaf

- Max. door leaf weight 2 x 120 kg
- Max. ratio of leaf height/leaf width = 1 : 4
calculation based on a leaf weight of 30 kg/m²



LEGEND DIAGRAMS

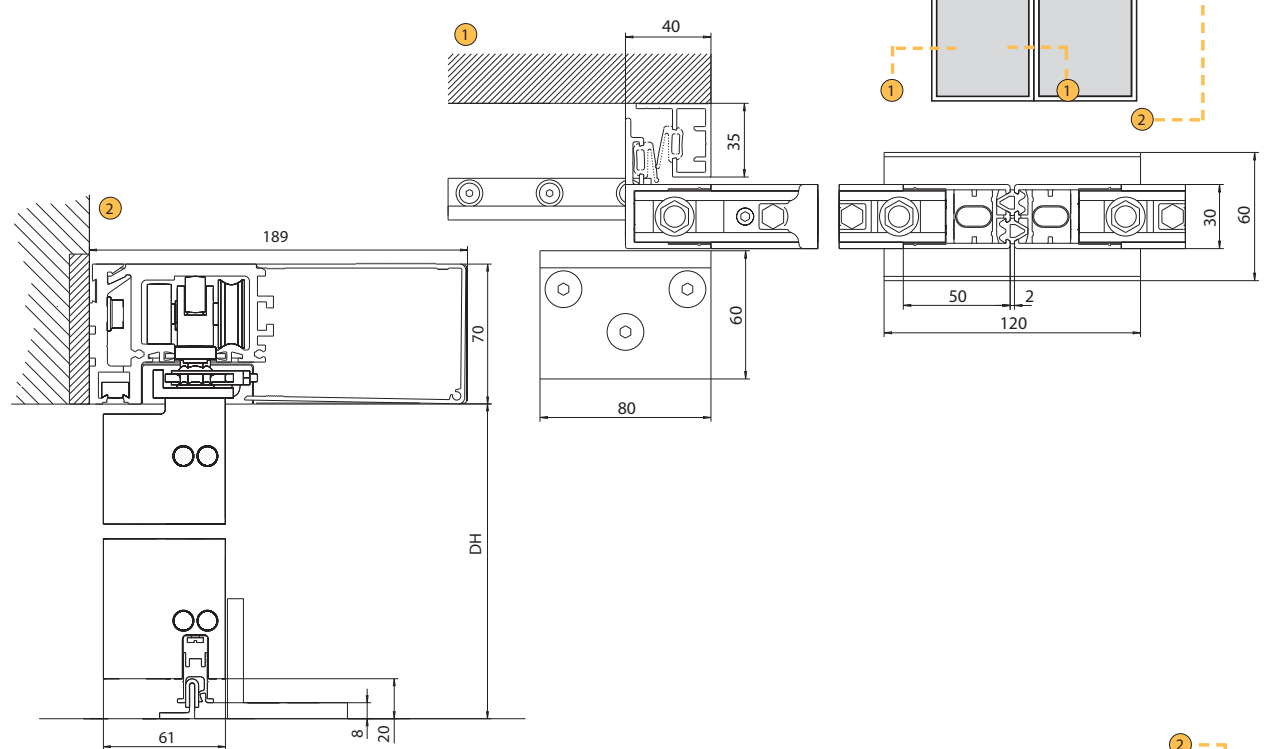
Application range	Profile
Standard range of application	
Extended range of application with reinforced rail (steel tube) within the passage area (provided by customer)	

GEZE SLIMDRIVE SL AND VARIANTS

HORIZONTAL AND VERTICAL SECTIONS

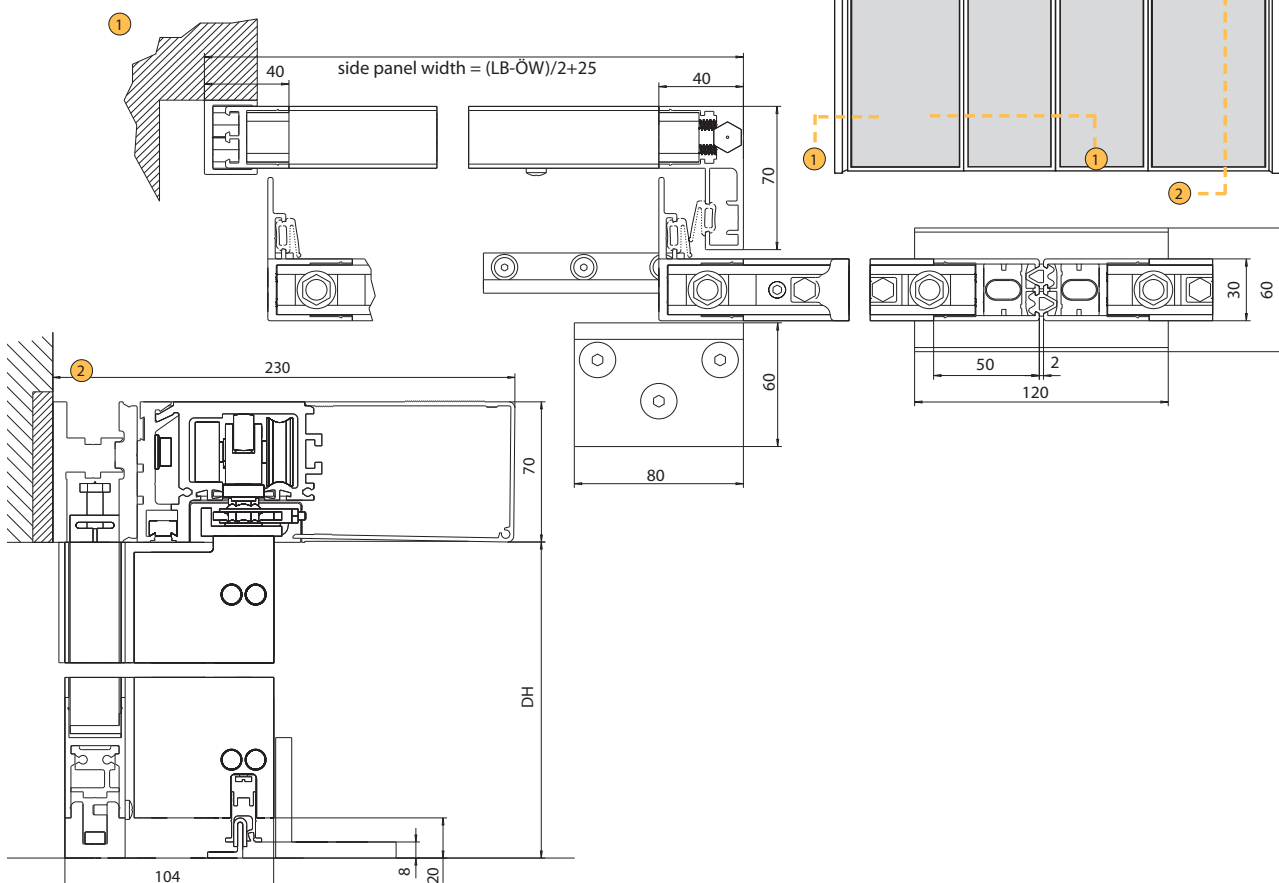
SLIMDRIVE SL WK2

with finely framed ISO-/ MONO-glass door leaves



SLIMDRIVE SL WK2

with finely framed ISO-/ MONO-glass door leaves and side panels



GEZE SLIMDRIVE SL AND VARIANTS

**CALCULATION
SLIMDRIVE SL WK2****Calculation of the overall length of the complete system (AL)**

Min. overall length with ISO-glass profile system

Slimdrive SL WK2		
Double-leaf		$\ddot{O}W = 900 - 1000$
		$AL = \ddot{O}W + 1100$
		$\ddot{O}W = 1000 - 3000$
		$AL = 2 \times \ddot{O}W + 100$
Double-leaf	Slimdrive SL-FR WK2 (2M, DUO)	Slimdrive SL-FR WK2 (RWS, LL)
	$\ddot{O}W = 900 - 1000$	$\ddot{O}W = 900 - 1220$
	$AL = \ddot{O}W + 1100$	$AL = \ddot{O}W + 1320$
	$\ddot{O}W = 1000 - 3000$	$\ddot{O}W = 1220 - 3000$
	$AL = 2 \times \ddot{O}W + 100$	$AL = 2 \times \ddot{O}W + 100$

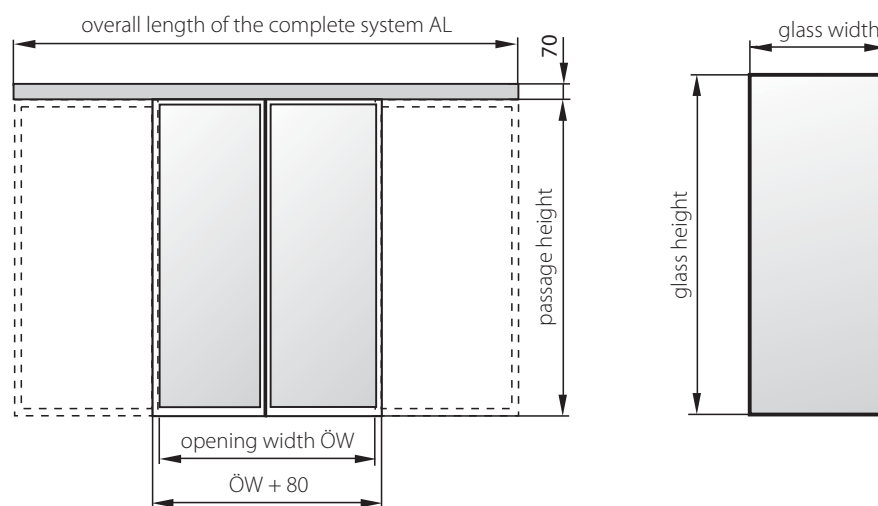
Hint: Opening widths ($\ddot{O}W$) of sliding doors on escape routes > 1000 mm are only admissible in special cases. The minimum opening widths have to comply with the requirements of the building regulations.

Calculation of glass dimensions for sliding leaf (ISO-glass profile system)

Width	double-leaf	glass width = opening width / 2 - 20 mm
Height	double-leaf	glass height = passage height - 107 mm
Thickness	double-leaf	glass thickness = max. 23,5 mm

Calculation of glass dimensions for side panels (ISO-glass profile system)

Width	double-leaf	glass width = side panel width - 50 mm
Height	double-leaf	glass height = passage height - 50 mm
Thickness	double-leaf	glass thickness = max. 23,5 mm



Nachweis einbruchhemmende Eigenschaften

Prüfbericht 211 38447



Auftraggeber **GEZE GmbH**
Reinhold-Vöster-Str. 21 - 29

71229 Leonberg

Grundlagen

DIN V ENV 1627 : 1999
Fenster, Türen, Abschlüsse -
Einbruchhemmung - Anforder-
ungen und Klassifizierung
DIN V ENV 1628 : 1999
DIN V ENV 1629 : 1999
DIN V ENV 1630 : 1999

Produkt **Linearschiebetür, 2-flg., einbruchhemmend, WK2**
Bezeichnung **Slimdrive SL/-FR WK2**

Darstellung



Außenmaß (B x H) **2875 mm x 2600 mm**
(Rahmen) **Aluminium,**
Material, System **GEZE ISO- Profilsystem / GEZE Antriebsprofile SL- Serie**
Angriffsseite **Außenseite**
Öffnungsart **zweiflügelig, seitlich (Linearbewegung)**
Verglesung **Klasse P4 A nach DIN EN 356**
Beschlüge **mit 6 Verriegelungspunkten und 4 Rollwagen**
Montage **Gemäß der Montageanleitung von 2009 der Firma GEZE GmbH**
Besonderheiten **-/-**

Verwendungshinweise

Dieser Prüfbericht dient zum Nachweis der einbruchhemmenden Eigenschaften.

Gültigkeit

Die genannten Daten und Ergebnisse beziehen sich ausschließlich auf den geprüften und beschriebenen Probekörper. Die Prüfung der Einbruchhemmung ermöglicht keine Aussage über weitere leistungs- und qualitätsbestimmende Eigenschaften der vorliegenden Konstruktion.

Abweichend von geprüften Ausführung sind folgende Größenänderungen zulässig:
In der Breite +10% und -20%
In der Höhe +10% und -20%

Einbruchhemmung



Widerstandsklasse 2

Veröffentlichungshinweise

Es gilt das ift-Merkblatt „Bedingungen und Hinweise zur Benutzung von ift-Prüf-dokumentationen“. Das Deckblatt kann als Kurzfassung verwendet werden.

ift Rosenheim
14. Oktober 2009

Christian Kehr

Christian Kehr, Dipl.-Ing. (FH)
Prüfstellenleiter
ift Zentrum Türen, Tore, Sicherheit

K. Quering

Konrad Quering, Dipl.-Ing. (FH)
Prüfingenieur
ift Zentrum Türen, Tore, Sicherheit

Inhalt

Der Nachweis umfasst insgesamt 28 Seiten

- 1 Gegenstand
- 2 Durchführung
- 3 Einzelergebnissen
- 4 Beurteilung
- Anlage 1 (12 Seiten)
- Anlage 2 (2 Seiten)



PTe Rosenheim GmbH
ift Zentrum - Türen Tore Sicherheit
Geschäftsführer:
Dr. Jochen Peschl

Theodor-Giertl-Str. 7 - 9
D-83026 Rosenheim
Tel.: +49 (0)8031/261-0
Fax: +49 (0)8031/261-200
www.pte-rosenheim.de

Str. 83026 Rosenheim
AG Traunstein, HRB 14822
Sparkasse Rosenheim
Kto. 500 435 805
BLZ 711 500 00

Notified Body Nr.: 0757
Anerkannte PUZ-Stelle: BAY 18
 DAP-PLD808.00

**Zertifikat P-3659/09**

(Nur gültig mit umseitigen Bedingungen)

Genehmigungsinhaber: GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Fertigungsstätte: GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Baumusterprüfzeichen:Geltungsdauer bis:**31.12.2013**

Erzeugnis: Automatische Linearschiebetür mit Einbruchhemmung WK2

Typ: Slimdrive SL WK2

Prüfgrundlagen:

- DIN 18650-1/2: 2005-12
Schlösser und Baubeschläge - Automatische Türsysteme
- BGR 232: 2003
Kraftbetätigte Fenster, Türen und Tore,
- DIN EN 60335-1: 2007-02
Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke
Teil 1: Allgemeine Anforderungen
- DIN EN 60950-1: 2006-11
Sicherheit von Einrichtungen der Informationstechnik
- DIN EN ISO 13849: 2008
Sicherheit von Maschinen - Sicherheitsbezogene Teile von Steuerungen

Prüfergebnis:

Die in den Prüfgrundlagen gestellten Anforderungen werden von dem Erzeugnis erfüllt.

Die Genehmigung, das oben abgebildete Prüfzeichen gemäß den umseitig abgedruckten Bedingungen zu verwenden, wird hiermit erteilt.

Zella-Mehlis, 04.12.2009

Technischer Überwachungsverein Thüringen e.V.
Prüfstelle für Bauprodukte

Dipl.-Ing. (FH) Reichelt
Leiter der Prüfstelle





Zertifikat P-3660/09

(Nur gültig mit umseitigen Bedingungen)

Genehmigungsinhaber: GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Fertigungsstätte: GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Baumusterprüfzeichen:



Geltungsdauer bis:

31.12.2013

Erzeugnis: Automatische Linearschiebetür zum Einsatz in Flucht- und Rettungswegen mit Einbruchhemmung WK2

Typ: Slimdrive SL-FR WK2

Prüfgrundlagen:

- Richtlinie über automatische Schiebetüren in Rettungswegen (AutSchR): 1998-10
- DIN 18650-1/2: 2005-12
Schlösser und Baubeschläge - Automatische Türsysteme
- BGR 232: 2003
Kraftbetätigte Fenster, Türen und Tore,
- DIN EN 60335-1: 2007-02
Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke
Teil 1: Allgemeine Anforderungen
- DIN EN 60950-1: 2006-11
Sicherheit von Einrichtungen der Informationstechnik
- DIN EN ISO 13849: 2008
Sicherheit von Maschinen - Sicherheitsbezogene Teile von Steuerungen

Prüfergebnis:

Die in den Prüfgrundlagen gestellten Anforderungen werden von dem Erzeugnis erfüllt.

Die Genehmigung, das oben abgebildete Prüfzeichen gemäß den umseitig abgedruckten Bedingungen zu verwenden, wird hiermit erteilt.

Zella-Mehlis, 04.12.2009

Technischer Überwachungsverein Thüringen e.V.
Prüfstelle für Bauprodukte

Dipl.-Ing. (FH) Reichelt
Leiter der Prüfstelle



GEZE SLIMDRIVE SL AND VARIANTS



DIN18650



Also functional in top form appears the sister system of Slimdrive SL – GEZE Slimdrive SLT is the drive for telescopic sliding doors.

Application range

- Office buildings and banks
- Airports and railway stations
- Hotels and restaurants
- Hospitals and care homes for the elderly or disabled
- Public buildings

The Slimdrive SLT system is used for double-leaf or four-leaf telescopic sliding doors made of 22 mm ISO glass or frameless leaves (GEZE IGG) with concealed fittings. Interior and exterior doors with leaf weights of max. 280 kg are moved reliably, unobtrusively and nearly invisible (overall height 70 mm) by the little one. Slimdrive SLT renders possible opening widths of up to 3600 mm.

Slimdrive SLT-FR means safety and in the case of emergency 7 cm can save lives. It is a small, strong piece of highly concentrated GEZE technology, approved for the use on escape and rescue routes.



Airport Köln-Bonn · Slimdrive SLT

TECHNICAL DATA

		Slimdrive SLT/SLT-FR
Opening width	double-leaf	1000 – 3000 mm
	four-leaf	2000 – 3600 mm
Max. door leaf weight	double-leaf	2 x 80 kg
	four-leaf	4 x 70 kg
Opening speed		0,7 m/s
Closing speed		0,4 m/s
Leaf height		up to approx. 3000 mm
Overall measurements (height x depth)		70 x 247 mm

GEZE SLIMDRIVE SL AND VARIANTS

GEZE SLIMDRIVE SLT/-FR

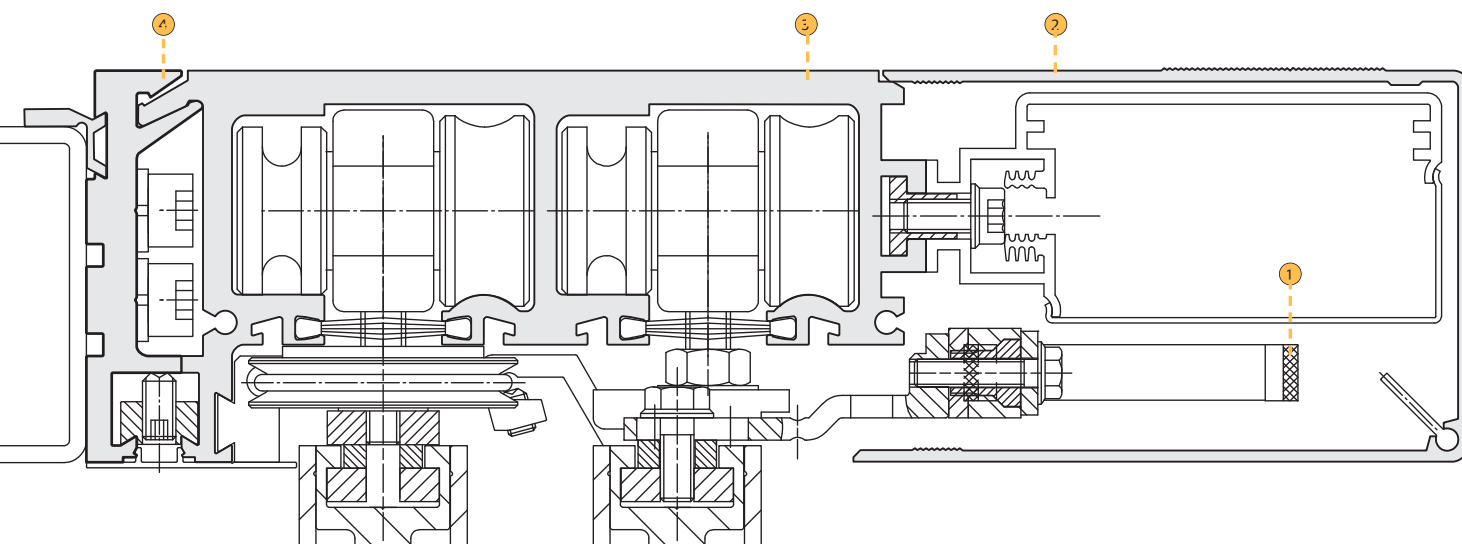
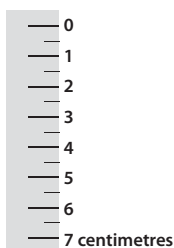
High performance drive for telescopic sliding doors – perfect integration even on slim glas façades and post-rail structures. It also is ideal for renovation, refurbishment and retrofitting of existing façades.

Product features

- Elegant drive design with just 7 cm overall height
- Space-saving door system for when space is at a premium
- Intelligent digital control (category 2 in accordance with DIN EN 954-1):
 - Self-learning
 - Optimal convenience thanks to automatic learning of door behaviour to the access frequencies
 - Can be networked and integrated into the building technology management systems via CAN bus
 - Independent error recognition and protocolling
 - Setting options for all movement parameters of the door
- Very quiet operating direct current drive; low-wear, maintenance free motor
- Integrated battery for emergency opening and closing in the event of a power failure
- Robust power supply with integrated all-pole mains switch and fuse
- Certified in accordance with DIN 18650
- Can be used in combination with the GEZE SecuLogic access control system and the GEZE SecuLogic building technology facility management system.

Variant Slimdrive SLT-FR

- Duplicate processing system by means of dual-motor technology/accumulator in connection with a redundant control
- Lockable programme switch
The programme switch may only be operated by authorized persons. For that reason a key-operated switch is absolutely necessary. The operating mode selected must be clearly identifiable.
- Self-monitoring movement detector (redundance)
The functionality must be controlled constantly. If an error is indicated the door moves into the open position (repair required).
- Information for the locking of emergency exit doors (mode of operation "Night"):
Automatic sliding doors for the use on escape and rescue routes may be locked, unless these doors are not required as emergency exit doors for this specific period of time. This is normally the case if there are no more people in the building or if another escape route is indicated.



GEZE Slimdrive SLT – Components and profiles

Components

- | | |
|---|-------------------|
| ① | Toothed belt |
| ② | Cover |
| ③ | Track with brush |
| ④ | Reception profile |

The profiles 2,3, and 4 are extend over the drive's full length.

Scale 1 : 1

GEZE SLIMDRIVE SL AND VARIANTS

MOUNTING EXAMPLES

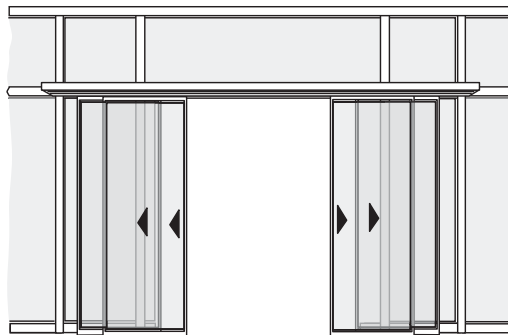
The telescopic sliding door systems Slimdrive SLT are suitable for double-leaf and four-leaf doors left-hand as well as right-hand closing, with or without fanlight. The systems can be used in both interior and exterior areas as well as with SLT-FR version for escape and rescue routes.

View from inside:

Double-leaf, right-hand closing



Four-leaf, with fanlight

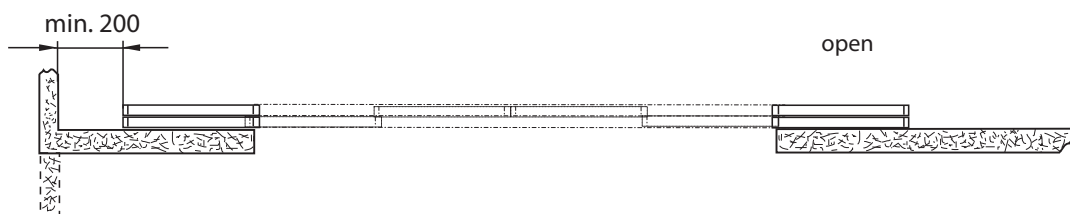


INSTALLATION VARIATIONS SLIMDRIVE SLT

If the building is used by persons requiring a certain degree of protection in accordance with the building law, further protective measures than those mentioned below may become necessary.

Installation into lintel without side panel, four-leaf

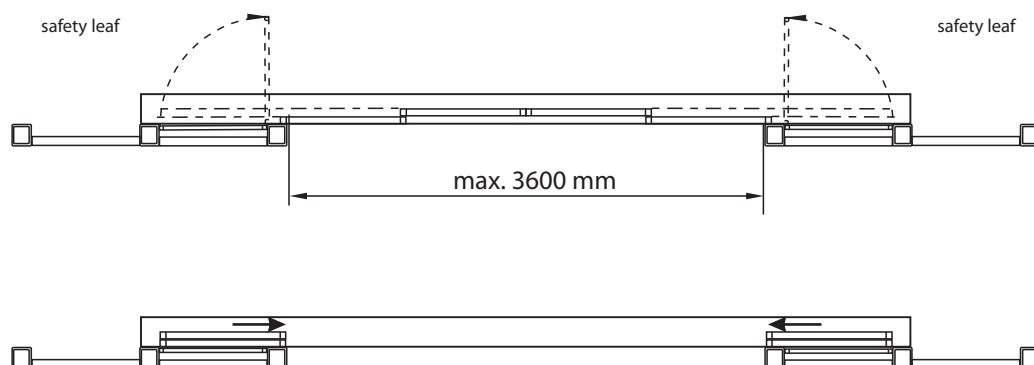
- without protective door leaf



Application of protective leaf is not possible for telescopic doors, because squeezing spots are occurring

Mounting on façade construction, four-leaf

- with safety leaf

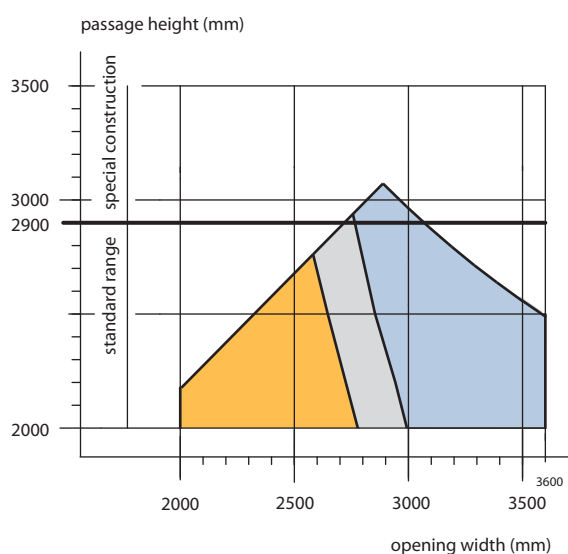


**MOUNTING VARIATIONS
SLIMDRIVE SLT****Mounting to post-rail structure**

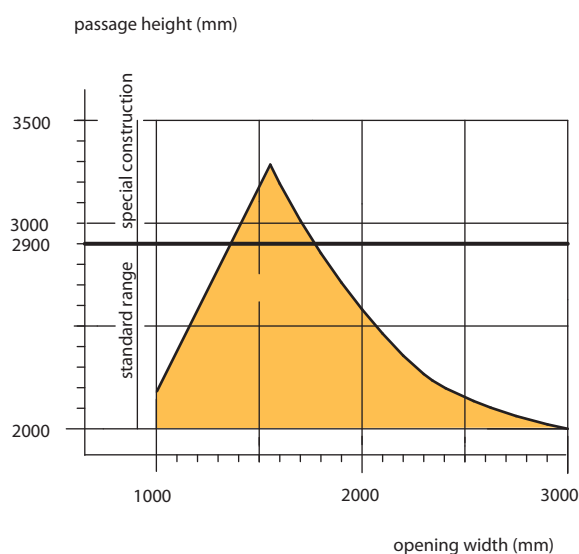
The following diagrams will only apply, if four-leaf drives are fixed to four posts or double-leaf drives are fixed to three posts.

Four-leaf

- Max. door leaf weight 4×70 kg
- Max. ratio of leaf height/leaf width = 1 : 4
calculation based on a leaf weight of 30 kg/m^2

**Double-leaf**

- Max. door leaf weight 2×80 kg
- Max. ratio of leaf height/leaf width = 1 : 4
calculation based on a leaf weight of 30 kg/m^2

**LEGEND DIAGRAMS**

Application range	Profile
Standard range of application	
Extended range of application with reinforcement 70 x 15 AlMgSi (provided by customer)	
Range of application with additional ceiling suspension	

The post-rail structure has to be application or reinforced regarding dynamic/static forces of sliding door, e.g. tubes in post-rail structures (provided by customer).

The potential opening width is reduced by 15% if a shoot bolt lock is used.

GEZE SLIMDRIVE SL AND VARIANTS

INSTALLATION VARIATIONS
SLIMDRIVE SLT

Mounting to self-supporting beam with and without fanlight

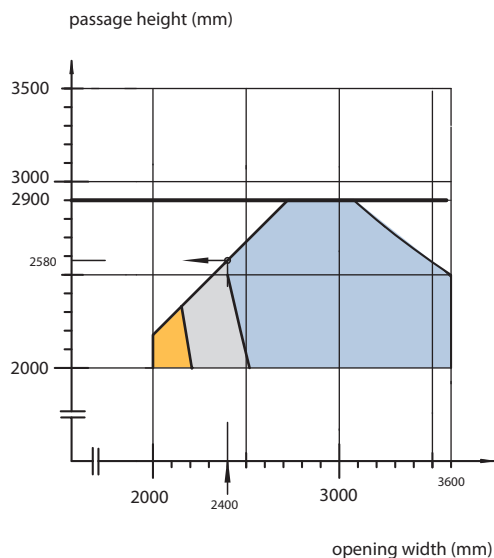
Example:

With an opening width of 2400 mm the max. clear passage height that can be obtained is approx. 2580 mm.

The ratio door leaf height/door leaf width = 1 : 4

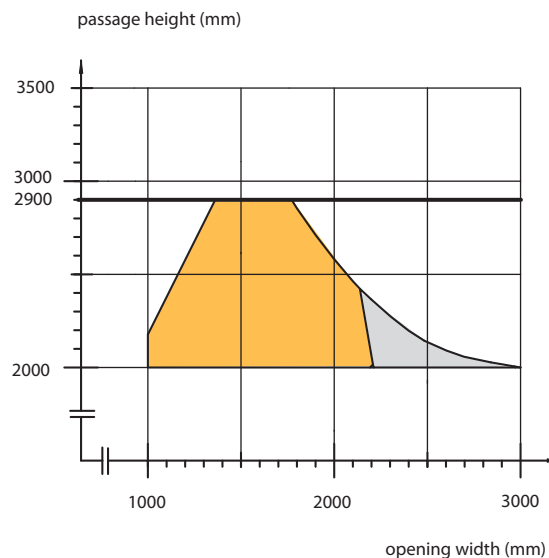
Four-leaf

- Max. door leaf weight 4 x 70 kg



Double-leaf

- Max. door leaf weight 2 x 80 kg

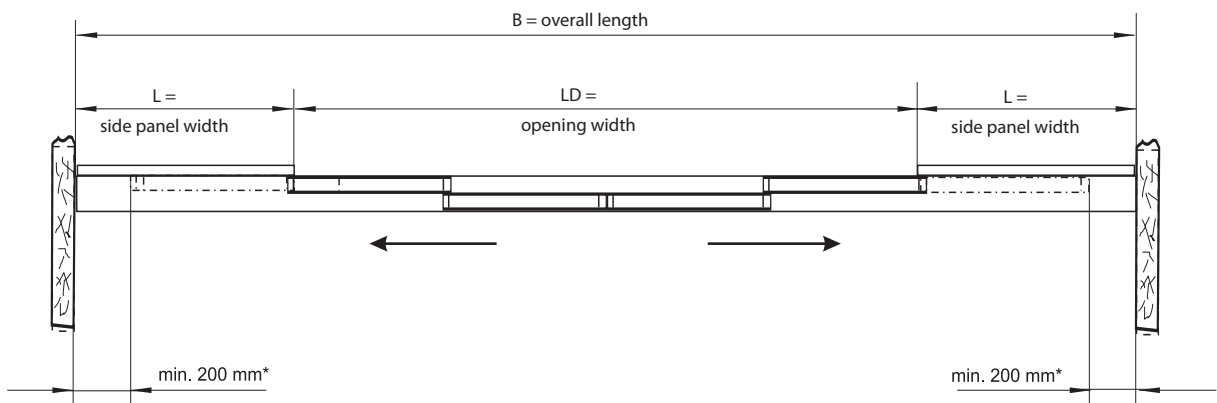


LEGEND DIAGRAMS

Application range	Profile
Standard range of application: single carrier	
Additional range of application: double carrier	
Single carrier, carrier and track additionally suspended from the ceiling	

**INSTALLATION VARIATIONS
SLIMDRIVE SLT****Mounting to self-supporting beam with and without fanlight**

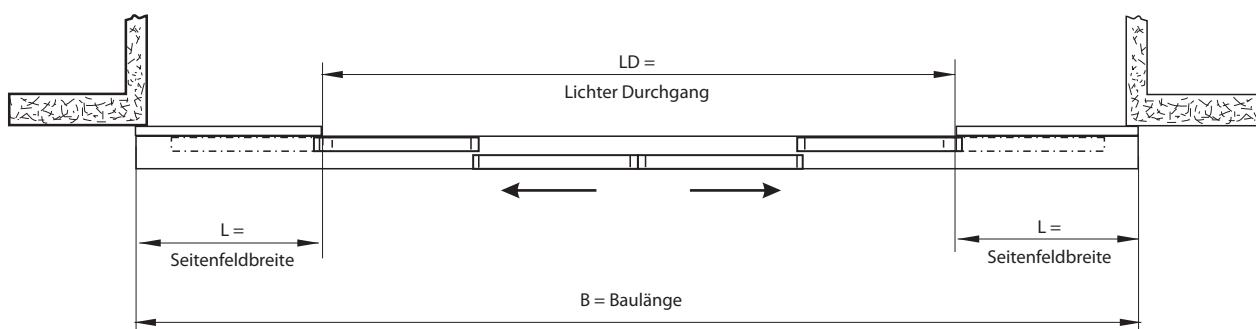
- Four-leaf, side panel width $L = (B - LD) / 2$
- When mounting on outside façade: $LD = \text{max. } 2000 \text{ mm}$, $B = \text{max. } 4500 \text{ mm}$
- Height incl. fanlight = max. 3000 mm



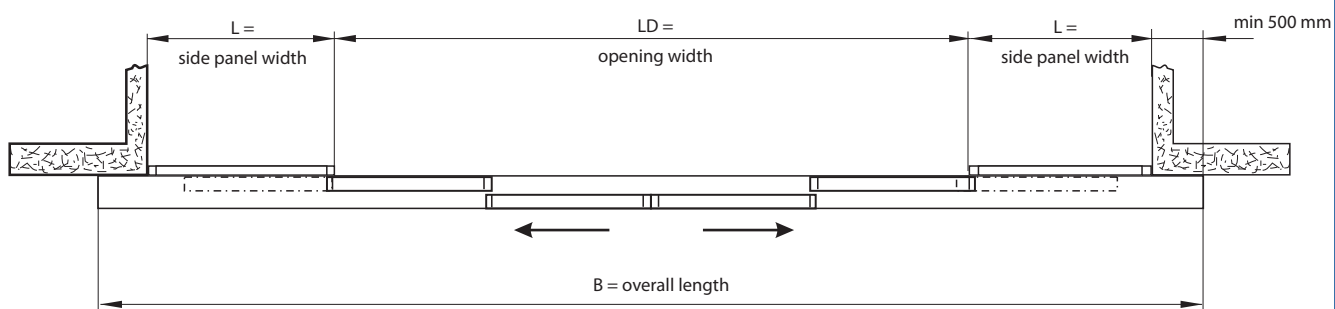
* an alternative safeguarding is possible

Wall mounting/lintel mounting, four-leaf

- Max. overall length $B = 6200 \text{ mm}$

**Wall mounting, side panels between the wall, four-leaf**

- Max. overall length
self-supporting $B = 4500 \text{ mm}$

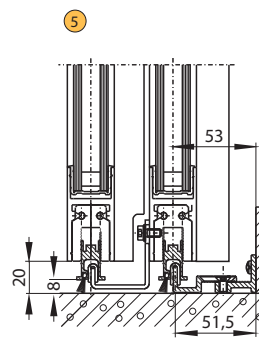
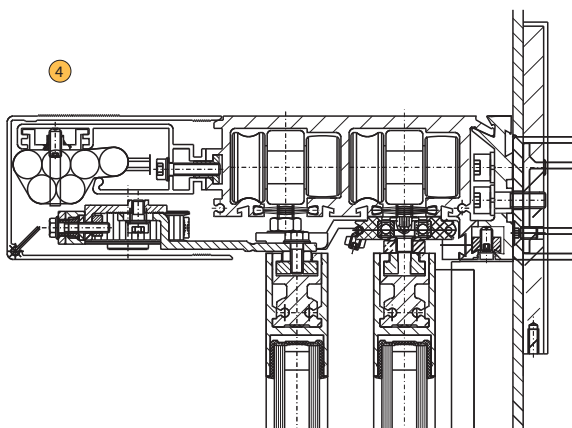
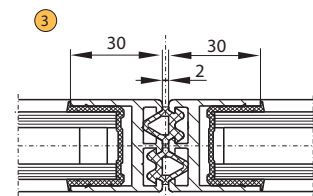
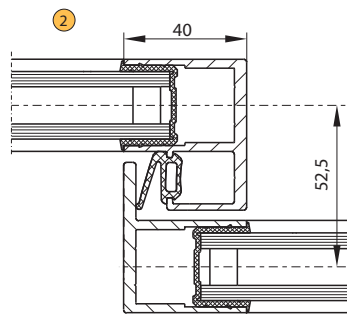
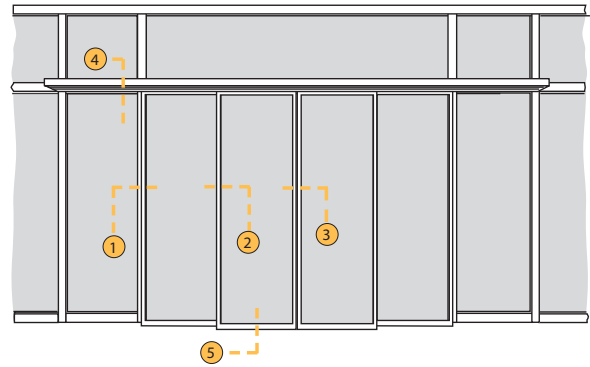
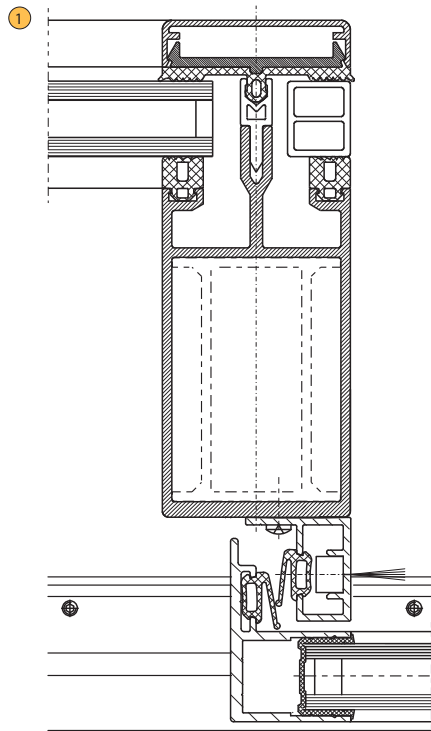


GEZE SLIMDRIVE SL AND VARIANTS

HORIZONTAL AND VERTICAL SECTIONS

SLIMDRIVE SLT

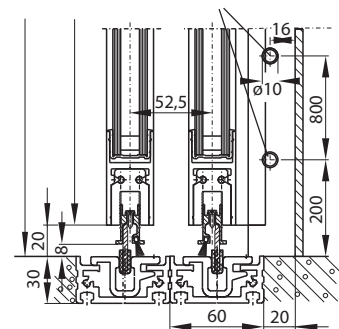
ISO-profile system for façade constructions



Variant 2

- Adjustable floor guide (not for outer doors)

Safety light barrier GZ 472



Variant 1

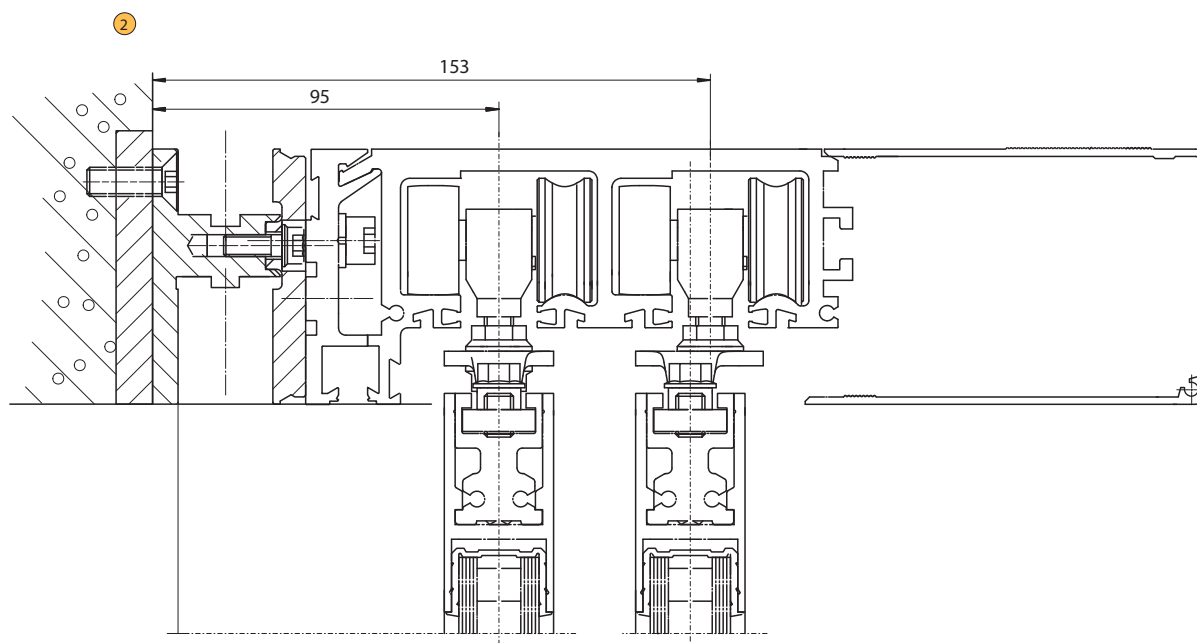
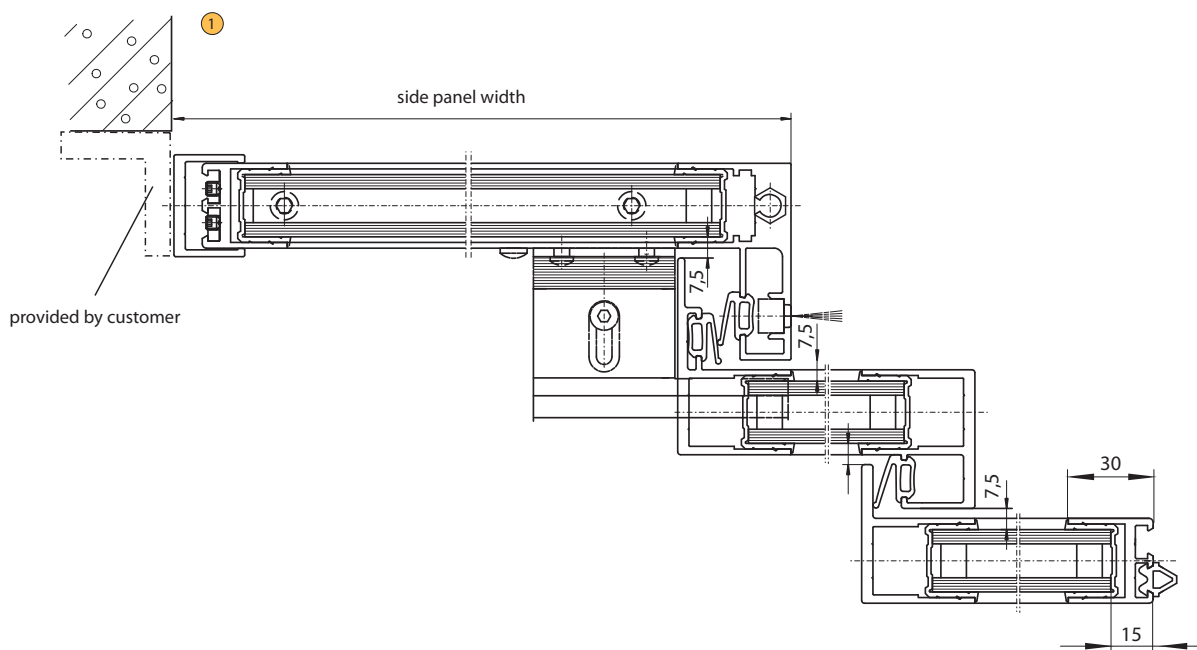
- Continuous floor guide

Hint: A shoot bolt lock can be used for the ISO-profile system. In this case the elevation width of the profiles at the main closing edge is 2 x 50 mm (instead of 2 x 30 mm).

HORIZONTAL AND VERTICAL SECTIONS

SLIMDRIVE SLT

ISO-profile system with side panels – wall mounting
(= lintel mounting)



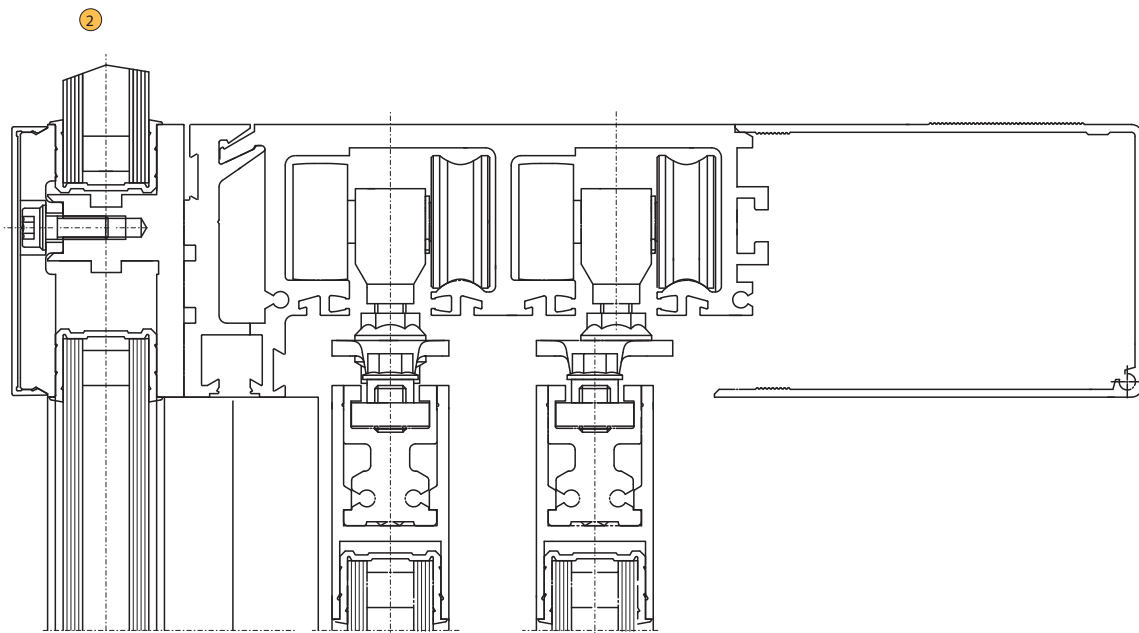
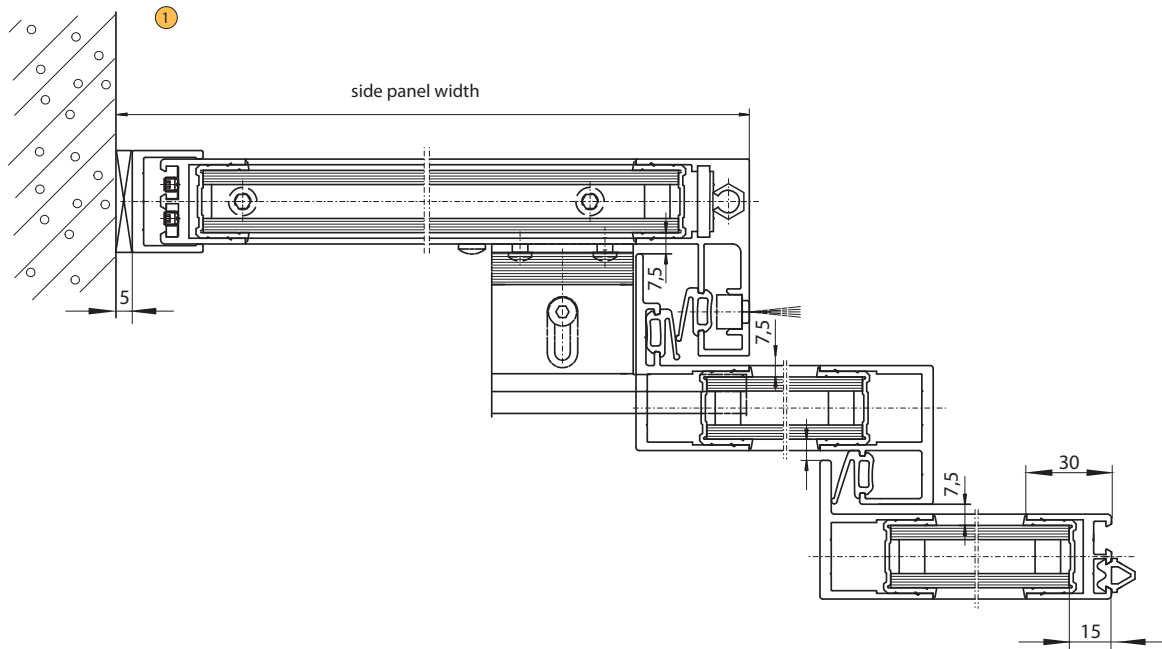
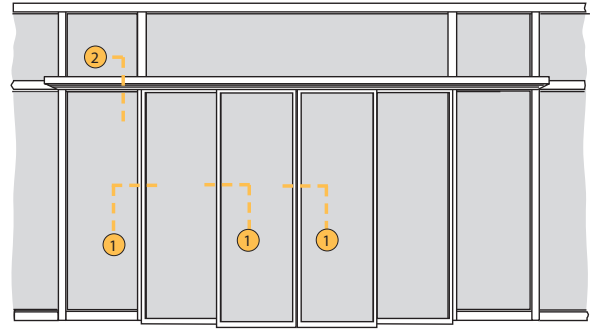
GEZE SLIMDRIVE SL AND VARIANTS

HORIZONTAL AND VERTICAL SECTIONS

SLIMDRIVE SLT

ISO-profile system with side panels

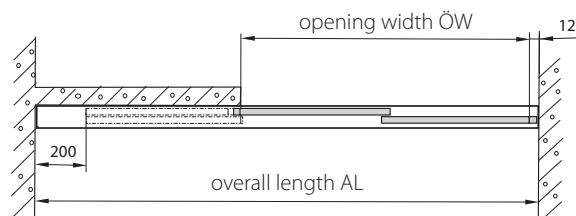
Mounting with self-supporting beam



**CALCULATION
SLIMDRIVE SLT****Calculation of the overall length of the complete system AL**

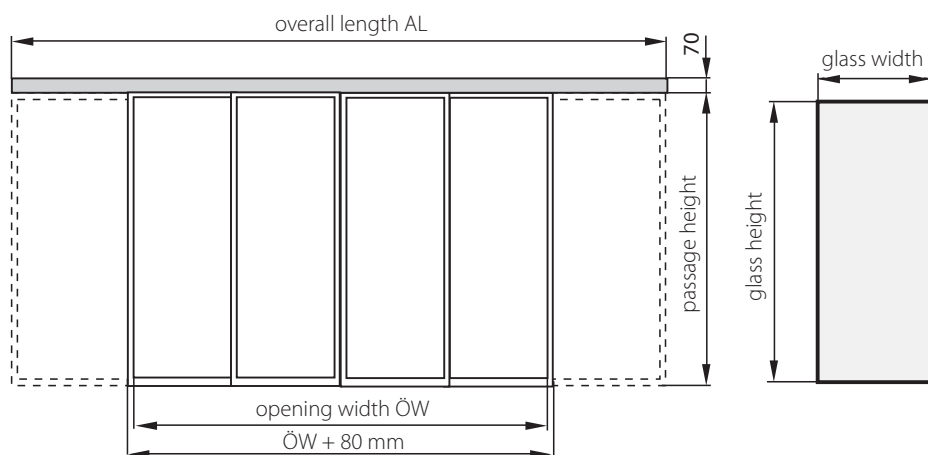
	Slimdrive SLT		Slimdrive SLT-FR	
	Safety margin 200 mm		Safety margin 200 mm	
	without	with	without	with
Four-leaf	$\ddot{O}W = 1600-1999$	$\ddot{O}W = 1600-3600$	$\ddot{O}W = 1600-1999$	$\ddot{O}W = 1600-3600$
	$AL = \ddot{O}W + 1180$	$AL = 1,5 \times \ddot{O}W + 482$	$AL = \ddot{O}W + 1180$	$AL = 1,5 \times \ddot{O}W + 482$
	$\ddot{O}W = 2000-3600$	$\ddot{O}W = 1600-3600$	$\ddot{O}W = 2000-3600$	$\ddot{O}W = 1600-3600$
	$AL = 1,5 \times \ddot{O}W + 150$	$AL = 1,5 \times \ddot{O}W + 482$	$AL = 1,5 \times \ddot{O}W + 150$	$AL = 1,5 \times \ddot{O}W + 482$
Double-leaf right-hand closing	$\ddot{O}W = 1000-1360$	$\ddot{O}W = 1000-1036$	$\ddot{O}W = 1000-1560$	$\ddot{O}W = 1000-1236$
	$AL = \ddot{O}W + 770$	$AL = \ddot{O}W + 770$	$AL = \ddot{O}W + 870$	$AL = \ddot{O}W + 870$
	$\ddot{O}W = 1360-3000$	$\ddot{O}W = 1036-3000$	$\ddot{O}W = 1560-3000$	$\ddot{O}W = 1236-3000$
	$AL = 1,5 \times \ddot{O}W + 90$	$AL = 1,5 \times \ddot{O}W + 252$	$AL = 1,5 \times \ddot{O}W + 90$	$AL = 1,5 \times \ddot{O}W + 252$
Double-leaf left-hand closing	$\ddot{O}W = 1000-1460$	$\ddot{O}W = 1000-1056$	$\ddot{O}W = 1000-1660$	$\ddot{O}W = 1000-1256$
	$AL = \ddot{O}W + 780$	$AL = \ddot{O}W + 780$	$AL = \ddot{O}W + 880$	$AL = \ddot{O}W + 880$
	$\ddot{O}W = 1460-3000$	$\ddot{O}W = 1056-3000$	$\ddot{O}W = 1660-3000$	$\ddot{O}W = 1256-3000$
	$AL = 1,5 \times \ddot{O}W + 50$	$AL = 1,5 \times \ddot{O}W + 252$	$AL = 1,5 \times \ddot{O}W + 50$	$AL = 1,5 \times \ddot{O}W + 252$

Hint: With using a self-supporting beam, additionally 20 mm resp. 40 mm are to be added to calculated overall length AL.

**Calculating the glass dimensions**

Depending on the width and the height of the leaf			
		Internal leaf	External leaf
Glass width	2-leaf	leaf width - 40 mm	leaf width - 50 mm
	4-leaf	leaf width - 40 mm	leaf width - 50 mm
Glass height	2- resp. 4-leaf	leaf height - 90 mm	leaf height - 90 mm

Depending on the opening width and the passage height			
		Internal leaf	External leaf
Glass width	2-leaf	opening width / 2	opening width / 2 - 10 mm
	4-leaf	opening width / 4	opening width / 4 - 10 mm
Glass height	2- resp. 4-leaf	passage height - 107 mm	passage height - 107 mm




Zertifikat Nr.: P-2655/06

(Nur gültig mit umseitigen Bedingungen)

Genehmigungsinhaber : GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Fertigungsstätte : GEZE GmbH
Reinhold-Vöster-Straße 21-29; 71229 Leonberg

Baumusterprüfzeichen

Geltungsdauer
31.12.2010



Erzeugnis : Automatische Teleskopschiebetür
Typ : Slimdrive SLT

- Prüfgrundlagen :
- DIN 18650-1/2: 2005-12
Schlösser und Baubeschläge - Automatische Türsysteme
 - BGR 232:
Kraftbetätigte Fenster, Türen und Tore,
 - DIN EN 60 335-1: 2003-07
Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke
Teil 1: Allgemeine Anforderungen
 - DIN EN 60 950: 2003-03
Sicherheit von Einrichtungen der Informationstechnik

sowie in vorgenannten Prüfgrundlagen aufgeführte mitgeltende Normen, Vorschriften und Richtlinien.

Prüfergebnis :

Die in den Prüfgrundlagen gestellten Anforderungen werden im Ergebnis der Baumusterprüfung und bei Einhaltung der Bedingungen der Baumusterprüfbescheinigung P-2655/06 von dem ganzen Erzeugnis erfüllt.

Die Genehmigung, das oben abgebildete Prüfzeichen gemäß den umseitig abgedruckten Bedingungen zu verwenden, wird hiermit erteilt.

Arnstadt, 19.05.2006

TÜV Thüringen Anlagentechnik GmbH
Prüfstelle für Gerätesicherheit

Dipl.-Ing. Sorge
Leiter der Prüfstelle




Zertifikat Nr.: P-2660/06

(Nur gültig mit umseitigen Bedingungen)

Genehmigungsinhaber : GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Fertigungsstätte : GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Baumusterprüfzeichen

Geltungsdauer
31.12.2010



Erzeugnis : Automatische Teleskopschiebetür zum Einsatz in Rettungswegen
Typ : Slimdrive SLT-FR 2M zwei-/vierflügelig

- Prüfgrundlagen :
- Richtlinie über automatische Schiebetüren in Rettungswegen (AutSchR) (Mitteilung des DIBt Heft Dez/1998)
 - DIN 18650-1/2: 2005-12
Schlösser und Baubeschläge - Automatische Türsysteme
 - BGR 232
Kraftbetätigte Fenster, Türen und Tore,
 - DIN EN 60 335-1: 2003-07
Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke
Teil 1: Allgemeine Anforderungen
 - DIN EN 60 950: 2003-03
Sicherheit von Einrichtungen der Informationstechnik

sowie in vorgenannten Prüfgrundlagen aufgeführte mitgeltende Normen, Vorschriften und Richtlinien.

Prüfergebnis :

Die Prüfstelle für Bauprodukte des TÜV Thüringen e.V., als vom Deutschen Institut für Bautechnik Berlin unter THU 08 benannte PÜZ-Stelle mit den angeschlossenen Prüflaboratorien bestätigt:

➤ Das Baumuster entspricht den Vorschriften nach Bauregelliste A Teil 1 Nr. 6.18 für geregelte Bauprodukte <

Die in den Prüfgrundlagen gestellten Anforderungen werden im Ergebnis der Baumusterprüfung und bei Einhaltung der Bedingungen der Baumusterprüfbescheinigung P-2660/06 von dem ganzen Erzeugnis erfüllt.
Die Genehmigung, das oben abgebildete Prüfzeichen gemäß den umseitig abgedruckten Bedingungen zu verwenden, wird hiermit erteilt.

Zella-Mehlis, 19.05.2006

Technischer Überwachungsverein Thüringen e.V.
Prüfstelle für Bauprodukte

Dipl.-Ing. (FH) Reichelt
Leiter der Prüfstelle



Controls

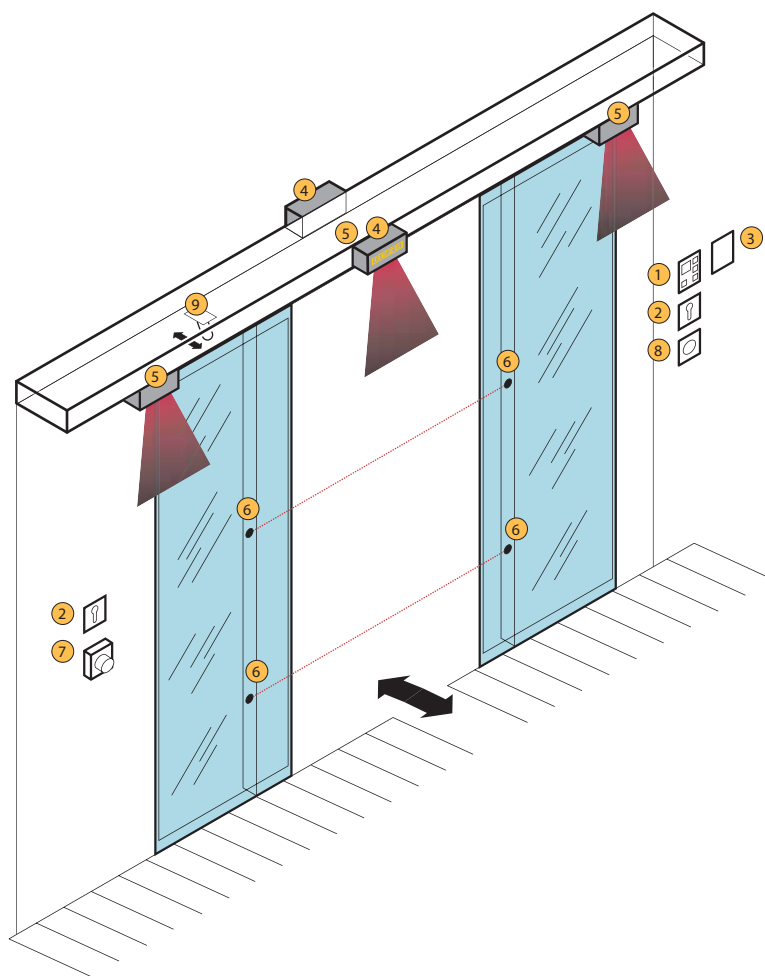
- ① Program selector
- ② Key-operated switch
- ③ Limited opening with button

Activation and safety

- ④ Motion detector
- ⑤ Infrared light curtain
- ⑥ Infrared light barrier (not permitted in DE according to DIN 18650)

Emergency controls

- ⑦ Emergency stop
- ⑧ Emergency up
- ⑨ Emergency unlocking

**Actuators for linear sliding doors****Combination devices**

Radar motion detector with light curtain for activation and protection

of automatic sliding doors	in emergency exits and escape routes
GEZE GC 362 R	GEZE GC 362 SF
GEZE Jupiter R	GEZE Jupiter SV

**Radar motion detector**

for activation

of automatic sliding doors	in emergency exits and escape routes
GEZE GC 302 R	GEZE GC 302 SV

**Light curtains**

for protecting the main and ancillary closing edges of automatic sliding doors

GEZE GC 333
GEZE Presence S

Program selector for selecting the operating status of automatic sliding doors

**Display programming switch**

Electronic user input using push buttons	Can be locked in emergency exits and escape routes
GEZE DPS	GEZE DPS-SCT

**Programming keypad**

Electronic user input using push buttons	Can be locked in emergency exits and escape routes
GEZE TPS	GEZE TPS-SCT

Mechanical program selector

Mechanical user input via rotary selector	Key-operated in emergency exits and escape routes
GEZE MPS	GEZE MPS-ST



The following modes can be set using the program selector:

Permanent hold-open mode

The door moves to the OPEN position and stays open. Motion detectors and opening sensors are deactivated.

Night mode

The motion detectors are set to inactive and the door closes.

Option: the door leaves are electrically locked to prevent them being forced open.

Shop closing time mode (one-way)

The door opens and only closes when a person goes out.

The outside motion detector is inactive, the inside detector is switched to active.

Automatic mode

The door opens as soon as the motion detector or sensor is triggered and closes again after a variable time. Safety sensors protect the door leaf travel path. If there is someone in the opening, the door will not close.

**Reduced opening width mode**

Activates or deactivates the settings made in Learn mode.

OFF mode (with TPS and MPS only)

The drive and sensors are switched off, but the door leaves can be moved manually.

Key-operated pushbutton

Program selector can be locked with a key-operated pushbutton (required on the FR variants)



Mobile, effortless commissioning and monitoring

SERVICE TERMINAL ST 220



Mobile, easily portable and uncomplicated. Programming the GEZE Slimdrive SL NT automatic sliding door system is simple with the ST 220 service terminal. The service terminal and sliding door terminal communicate and exchange data via an integral RS485 interface.

- Small size makes it easily portable: 80 x 125 x 37 mm (width x height x depth)
- Large, illuminated display with clear text display
- Read-out function for maintenance and diagnostic information
- IP 40 enclosure
- Powered via the door system
- Compatible with all drive and software versions from DCU software version 3.0 onwards.
- Password-protected to protect operating parameters and maintenance data against unauthorised changes.

New and impressive: GEZE automatic door systems with Bluetooth technology

GEZEconnects

Wireless connection! Bluetooth is an international, standardised short-range radio link with a range of up to 10 metres. The GEZEconnects software allows you to control and monitor GEZE automatic door systems wirelessly via Bluetooth. Programming, commissioning, monitoring and data updates are all easily carried out from a laptop or PC.

GEZEconnects | SOFTWARE



TÜRTECHNIK



AUTOMATISCHE TÜRSYSTEME



RISS UND LÜFTUNGSTECHNIK



SICHERHEITSTECHNIK



GLASSYSTEME

GEZEconnects | SOFTWARE
zur kabellosen Verbindung von GEZE Automatischen Türsystemen und PCs über Bluetooth

GEZE GmbH
Reinhold-Wöster-Str. 21-29
71229 Leonberg
Germany
Telefon: +49 (0)7152-203-0
Telefax: +49 (0)7152-203-310
www.geze.com

Systemvoraussetzungen:
PC mit Windows XP
Intel oder 100% kompatiblen
Prozessor
500 MB RAM
1,5 GHz
CD Laufwerk
Bluetooth Schnittstelle
150 MB freier Speicherplatz



GEZE
BEWEGUNG MIT SYSTEM

Other benefits of the forward-looking radio wireless technology

- Fast, efficient data transfer
- All default settings can be very simply adopted for other door systems.
- Time-saving updates possible for separate parameter settings.
- User-friendly documentation for commissioning, maintenance and diagnostic reports.
- All necessary statistics can be easily downloaded at any time.
- Password-protected to protect operating parameters and maintenance data against unauthorised changes.

Wireless control with system - reliable, convenient and secure at the touch of a button

GEZE RADIO PROGRAMME



Radio controlled operators for the various applications in our daily life make bring added convenience. Senior citizens, the disabled or physically weaker people can be afforded more quality of life, and they help make things easy for care staff. They are increasingly becoming standard fittings for barrier-free and age-suitable living.

With a new and innovative radio solution, GEZE has also adapted their range of control elements. The wireless control of doors and windows using the GEZE radio programme makes connection to a power supply superfluous. Thanks to the tiny dimensions of the radio modules, these can easily be integrated in a drive or an in-wall casing and can also be clipped directly into the elbow switch and mounted wirelessly on glass.

Examples of types of application

- Retro-fitting without needing to lay cables and using existing switches/buttons
- Mounting without connection to power, for example, on glass
- Individual or group control of doors and windows
- Combined control of doors and windows using a remote



Hygienically one step ahead - GEZE proximity switch AIR 12 Cleanscan

AIR 12 CLEANSKAN



Opening doors with a wave: The AIR 12 Cleanscan can be used to control interior doors with no requirement for haptic perception cleanly and conveniently. Thus, active infrared sensors ensure, for example, the bacteria-free access to the bathrooms as well as for germ-free conditions in hotel kitchens, swimming baths and doctor's surgeries.

The pulse generator is installed at hand height and is able to precisely recognise people and objects, regardless of the direction in which they are moving, both very close i.e. at a distance of just five centimetres or even as far as 0.6 metres. The differing detection distances can be adapted optimally to the actual ambient circumstances and the requirements of the user groups. The no-contact sensor system offers the highest possible level of operating convenience, simply moving towards the door is sufficient to activate the automated opening function. It also brings about the benefit of absolute hygiene.

- No-contact proximity switch
- Variable adjustment of the sensor range in two stages
- Precise detection of people and objects - regardless of the direction in which they are moving
- Can be used universally for either surface or flush mounting

GEZE SLIMDRIVE SL AND VARIANTS

DRAUGHT LOBBIES

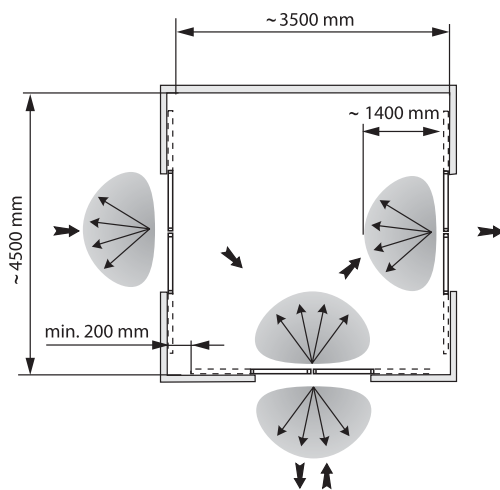
Draught lobbies are used to avoid draught and to reduce the exchange of heat. Ideally, only one door should be open.

Direction-sensing radar movement detectors only trigger the door if people approach door. Therefore the door closes sooner after the person has entered. A separate programme switch is required for each FR-door.

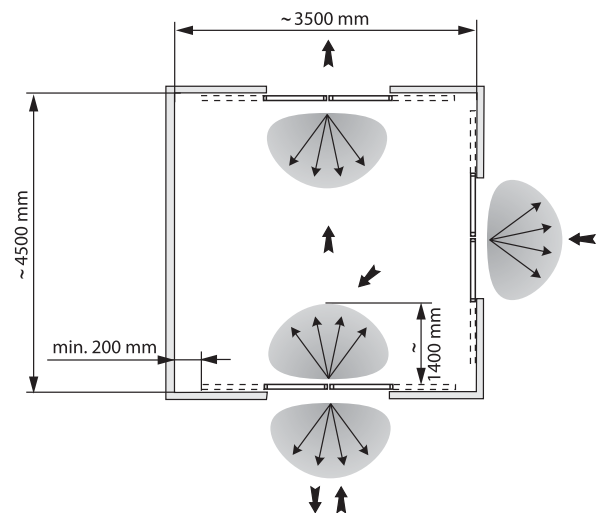
Legend

with directional
recognition

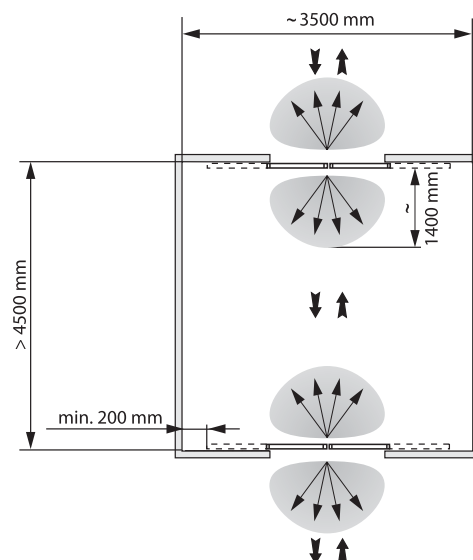
Example for possible combination 1



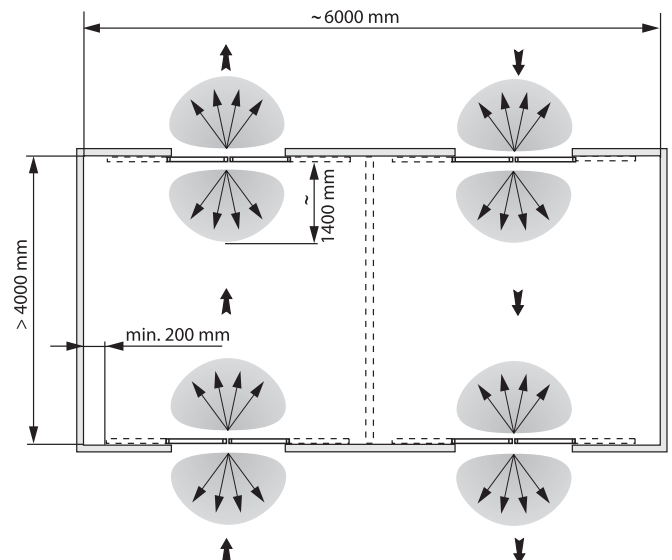
Example for possible combination 2



Example for possible combination 3



Example for possible combination 4



Cable plan DCU1, DCU1-2M

HS	Main switch
NS	Emergency stop button (optional)
DPS	Display programming switch
ST	Key programming switch
PS	Program selector
KA	Contact sensor, outside
KI	Contact sensor, inside
KB	Contact sensor, authorised
BM	Motion detector
SÖ	Safety sensor, "Open"
SM	Fault indicator Fault indicator lamp or klaxon
AÖ	Limited opening width
NÖ	Emergency opening
SIS	Light curtain with motion detector KA or KI
S/W	Draught lobby, draught-proofing
NV	Emergency lock

Notes:

- 1) Cable inlet through the side plate or on the left or right side, concealed from behind.
Avoid sharp edges or use edge protectors to protect the cables.
- 2) Max. cable length 100 m
- 3) Leave at least 5 m of signal cables and at least 2 m of power cables protruding from the wall.
- 4) Not for DCU1-2M
- 5) Required for DCU1-2M

Drawing no. 70484-9-9861

See wiring diagram

Standard drives (DCU1) 70484-9-9847, 105127

FR drives (DCU1-2M) 70484-9-9850, 105130

Safety notes:

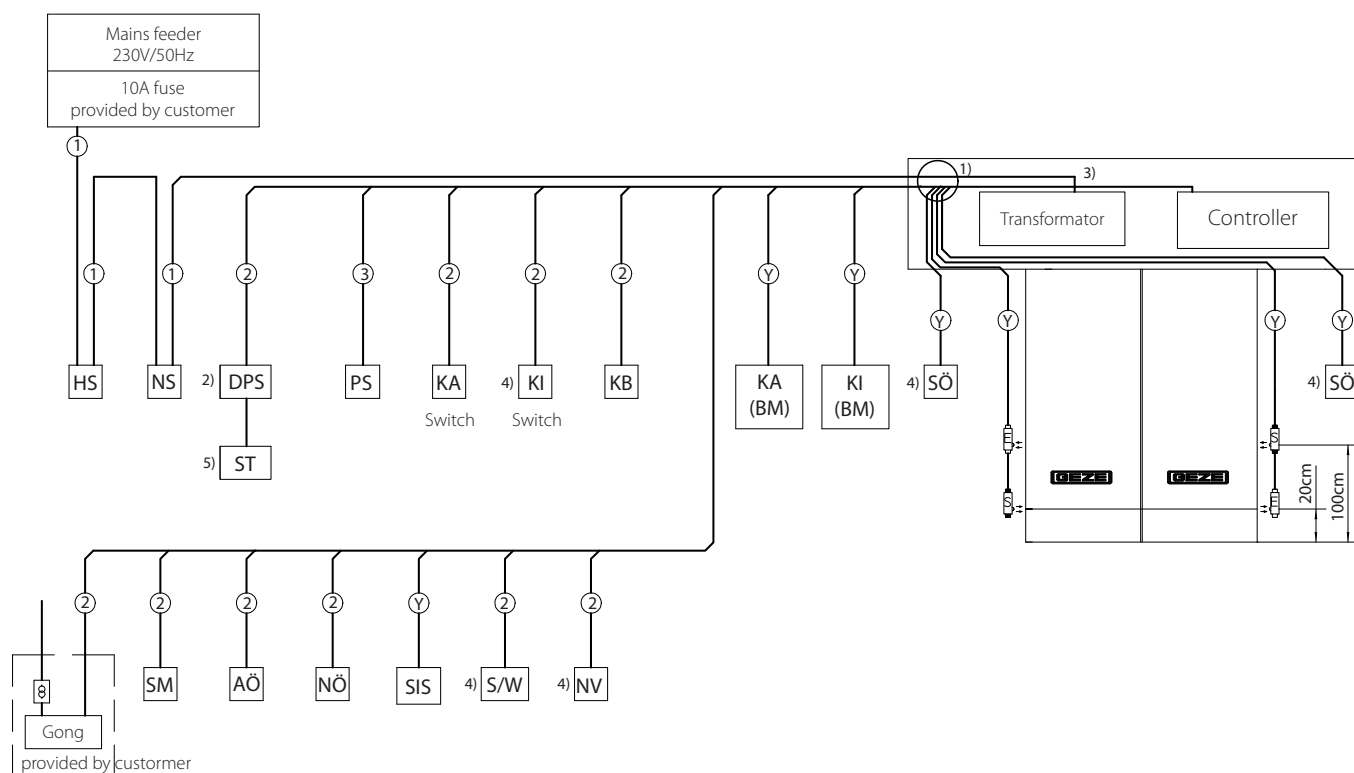
Run cables as per VDE 0100

The cables must be run, wired up and the system commissioned only by authorised and trained personnel.

We shall accept no warranty or service claims if GEZE products are used in combination with non-GEZE products.

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
- Ⓨ To be supplied by GEZE



GEZE GmbH
P.O. Box 1363
71226 Leonberg
Germany

GEZE GmbH
Reinhold-Vöster-Straße 21-29
71229 Leonberg
Germany
Telefon +49 (0) 7152-203-0
Telefax +49 (0) 7152-203-310

www.geze.com

Germany
GEZE Sonderkonstruktionen GmbH
Planken 1
97944 Boxberg-Schweigern
Tel. +49 (0) 7930-9294-0
Fax +49 (0) 7930-9294-10
E-Mail: sk.de@geze.com

GEZE GmbH
Niederlassung Nord/Ost
Bühningstraße 8
13086 Berlin (Weissensee)
Tel. +49 (0) 30-47 89 90-0
Fax +49 (0) 30-47 89 90-17
E-Mail: berlin.de@geze.com

GEZE GmbH
Niederlassung West
Nordsternstraße 65
45329 Essen
Tel. +49 (0) 201-83082-0
Fax +49 (0) 201-83082-20
E-Mail: essen.de@geze.com

GEZE GmbH
Niederlassung Mitte
Adenauerallee 2
61440 Oberursel (b. Frankfurt)
Tel. +49 (0) 6171-63610-0
Fax +49 (0) 6171-63610-1
E-Mail: frankfurt.de@geze.com

GEZE GmbH
Niederlassung Süd
Reinhold-Vöster-Straße 21-29
71229 Leonberg
Tel. +49 (0) 7152-203-594
Fax +49 (0) 7152-203-438
E-Mail: leonberg.de@geze.com

GEZE Service GmbH NL Südwest
Reinhold-Vöster-Straße 25
71229 Leonberg
Tel. +49 (0) 7152-92 33 34

GEZE Service GmbH NL Nord-Ost
Bühningstraße 8
13086 Berlin (Weissensee)
Tel. +49 (0) 30-47 02 17 32

GEZE Service GmbH NL West
Nordsternstraße 65
45329 Essen
Tel. +49 (0) 201-8 30 82 16

GEZE Service GmbH NL Mitte
Feldbergstrasse 59
61440 Oberursel
Tel. +49 (0) 6171-63 61 03

GEZE Service GmbH NL Süd
Keltenring 10
85658 Eggening
Tel. +49 (0) 8095-87 13 61

Austria
GEZE Austria GmbH
Mayrwiesstraße 12
5300 Hallwang b. Salzburg
Tel. +43-(0)662-663142
Fax +43-(0)662-663142-15
E-Mail: austria.at@geze.com

Baltic States
GEZE GmbH Baltic States office
Dzelzavas iela 120 S
1021 Riga
Tel. +371 (0) 67 89 60 35
Fax +371 (0) 67 89 60 36
E-Mail: office-latvia@geze.com

Benelux
GEZE Benelux B.V.
Leemkuil 1
Industrieterrein Kapelbeemd
5626 EA Eindhoven
Tel. +31-(0)40-26290-80
Fax +31-(0)40-26 290-85
E-Mail: benelux.nl@geze.com

Bulgaria
GEZE Bulgaria - Trade
Representative Office
61 Pirinski Prohod, entrance „B“,
4th floor, office 5,
1680 Sofia
Tel. +359 (0) 24 70 43 73
Fax +359 (0) 24 70 62 62
E-Mail: office-bulgaria@geze.com

China
GEZE Industries (Tianjin) Co., Ltd.
Shuangchenzhong Road
Beichen Economic Development
Area (BEDA)
Tianjin 300400, P.R. China
Tel. +86(0)22-26973995-0
Fax +86(0)22-26972702
E-Mail: Sales-info@geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
Branch Office Shanghai
Unit 25N, Cross Region Plaza
No 899, Ling Ling Road,
Xuhui District
200030 Shanghai, P.R. China
Tel. +86 (0)21-523 40 960
Fax +86 (0)21-644 72 007
E-Mail: chinasales@geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
Branch Office Guangzhou
Room 17C3
Everbright Bank Building, No.689
Tian He Bei Road
510630 Guangzhou
P.R. China
Tel. +86(0)20-38731842
Fax +86(0)20-38731834
E-Mail: chinasales@geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
Branch Office Beijing
Room 1001, Tower D
Sanlitun SOHO
No. 8, Gongti North Road,
Chaoyang District
100027 Beijing, P.R.China
Tel: +86 (0)10-5935 9300
Fax: +86 (0)10-5935 9322
E-Mail: chinasales@geze.com.cn

France
GEZE France S.A.R.L.
ZAC de l'Orme Rond
RN 19
77170 Servon
Tel. +33-(0)1-606260-70
Fax +33-(0)1-606260-71
E-Mail: france.fr@geze.com

Hungary
GEZE Hungary Kft.
Bartók Béla út 105-113.
Budapest
H-1115
Tel. +36 (1) 481 4670
Fax +36 (1) 481 4671
E-Mail: office-hungary@geze.com

Iberia
GEZE Iberia S.R.L.
Pol. Ind. El Pla
C/Comerc, 2-22, Nave 12
08980 Sant Feliu de Llobregat
(Barcelona)
Tel. +34(0)9-02194036
Fax +34(0)9-02194035
E-Mail: info@geze.es

India
GEZE India Private Ltd.
MF 2 & 3, Guindy Industrial Estate
Ekkattuthangal
Chennai 600 097
Tamilnadu
Tel. +91 44 3061 6900
Fax +91 44 3061 6901
E-Mail: office-india@geze.com

Italy
GEZE Italia Srl
Via Giotto, 4
20040 Cambiago (MI)
Tel. +3902950695-11
Fax +3902950695-33
E-Mail: italia.it@geze.com

GEZE Engineering Roma Srl
Via Lucrezia Romana, 91
00178 Roma
Tel. +3906-7265311
Fax +3906-72653136
E-Mail: roma@geze.biz

Poland
GEZE Polska Sp.z o.o.
ul. Annapol 21
03-236 Warszawa
Tel. +48 (0)22 440 4 440
Fax +48 (0)22 440 4 400
E-Mail: geze.pl@geze.com

Romania
GEZE Romania s.r.l.
IRIDE Business Park,
Str. Dimitrie Pompeiu nr. 9-9a,
Building 10, Level 2, Sector 2,
020335 Bucharest
Tel.: +40 (0) 21 25 07 750
Fax: +40 (0) 21 25 07 750
E-Mail: office-romania@geze.com

Russian Federation
GEZE GmbH Representative
Office Russia
Kolodesnij pereulok3, str. 25
Office Nr. 5201-5203
107076 Moskau
Tel. +7 (0) 49 55 89 90 52
Fax +7 (0) 49 55 89 90 51
E-Mail: office-russia@geze.com

Scandinavia – Sweden
GEZE Scandinavia AB
Mallslingan 10
Box 7060
18711 Täby, Sweden
Tel. +46(0)8-7323-400
Fax +46(0)8-7323-499
E-Mail: sverige.se@geze.com

Scandinavia – Norway
GEZE Scandinavia AB avd. Norge
Industriveien 34 B
2073 Dal
Tel. +47(0)639-57200
Fax +47(0)639-57173
E-Mail: norge.se@geze.com

Scandinavia – Finland
Branch office of GEZE Scandinavia AB
Herralantie 824
Postbox 20
15871 Hollola
Tel. +358(0)10-4005100
Fax +358(0)10-4005120
E-Mail: finland.se@geze.com

Scandinavia – Denmark
GEZE Danmark
Branch office of GEZE Scandinavia AB
Høje Taastrup Boulevard 53
2630 Taastrup
Tel. +45(0)46-323324
Fax +45(0)46-323326
E-Mail: danmark.se@geze.com

South Africa
DCLSA Distributors (Pty.) Ltd.
118 Richards Drive, Halfway House,
Ext 111
P.O. Box 7934, Midrand 1685
Tel. +27(0)113158286
Fax +27(0)113158261
E-Mail: info@dclsa.co.za

Switzerland
GEZE Schweiz AG
Bodenackerstrasse 79
4657 Dulliken
Tel. +41-(0)62-2855400
Fax +41-(0)62-2855401
E-Mail: schweiz.ch@geze.com

Turkey
GEZE GmbH Türkiye - İstanbul
İrtibat Bürosu
Ataşehir Bulvarı, Ata 2/3
Plaza Kat: 9 D: 84 Ataşehir
Kadıköy / İstanbul
Tel. + 90 (0) 21 64 55 43 15
Fax + 90 (0) 21 64 55 82 15
E-Mail: office-turkey@geze.com

Ukraine
Repräsentanz GEZE GmbH Ukraine
ul. Vikentija Hvoyki, 21,
office 151
04080 Kiev
Tel. +38 (0) 44 49 97 725
Fax +38 (0) 44 49 97 725
E-Mail: office-ukraine@geze.com

United Arab Emirates/GCC
GEZE Middle East
P.O. Box 17903
Jebel Ali Free Zone
Dubai
Tel. +971(0)4-8833112
Fax +971(0)4-8833240
E-Mail: geze@emirates.net.ae

United Kingdom
GEZE UK Ltd.
Blenheim Way
Fradley Park
Lichfield
Staffordshire WS13 8SY
Tel. +44(0)1543443000
Fax +44(0)1543443001
E-Mail: info.uk@geze.com

GEZE REPRESENTATIVE