



INTEGRATED ALL-GLASS SYSTEMS GEZE IGG
INTELLIGENCE BETWEEN THE PANES



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GEZE IGG – Solutions for all-glass systems

Intelligence between the panes

Glass, besides timber and bricks, is one of the oldest building materials of mankind. Even today glass is still used - with upward tendency -, especially with regards to economical and ecological aspects. More than ever we take advantage of the outstanding physical properties of glass such as hardness, elasticity and the coefficient of heat transmission. Thus new and transparent living areas are created for people, animals and plants - without the need to make concessions to flexibility, protection, warmth or comfort. Modern production processes and hardware systems take an important share in this development.

GEZE IGG means that the profiles and hardware system are invisibly integrated in a gap of only 27 mm between two panes – without any protruding visible parts on the glass surface. A perimeter printing on the interior side of the panes makes the fittings completely invisible to the human eye. Wherever fittings and profiles spoiled the aesthetic appearance of glass elements in the past, GEZE IGG will allow freedom in design in future. The continuous design of façades can now be realised without incongruity of style, irrespective of whether sliding partitions, sliding doors, single-action or double-action doors are planned.



GEZE IGG SYSTEMS

Range of application

- For interior and exterior installations
- Automatic and manual sliding doors
- Manual sliding wall systems
- Automatic and manual hinged doors

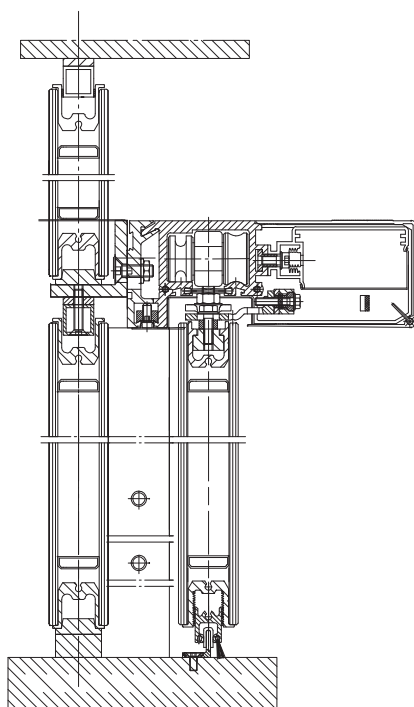
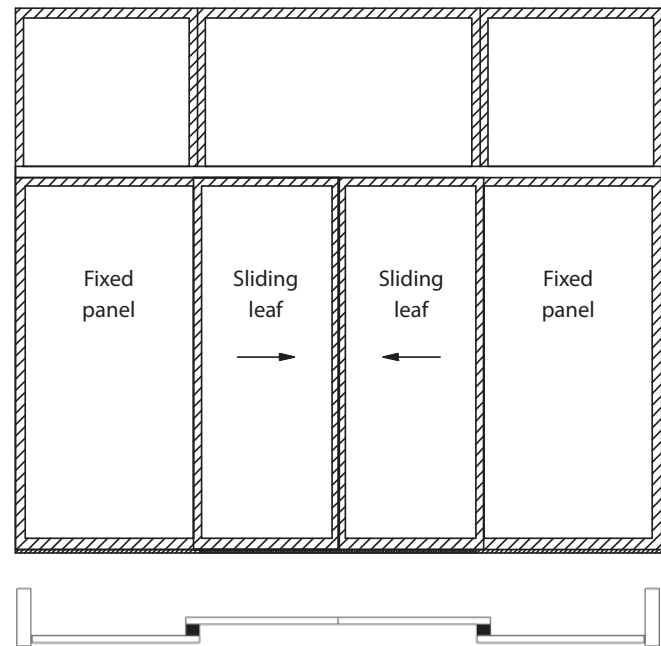
Structure of the elements

- Exterior pane (types of glass: toughened safety glass ESG-H or laminated glass VSG of ESG)
- Spacer
- Holding profiles for the fittings
- Interior pane (types of glass: toughened safety glass ESG-H or laminated glass VSG of ESG)
- Perimeter printing of the panes (min. width 30 mm)
- Perimeter printing in the gap between the panes
- Gap between the panes SZR 27 mm

GEZE Slimdrive SL NT/SL NT-FR and SLT/SLT-FR with IGG

Advanced design owing to optimised technology

GEZE Slimdrive SL stands for optimised sliding door technology. With a construction height of only 7 cm this driving system convinces by perfection, requiring only a minimum of space: control with 16 bit high-performance micro processor, various setting possibilities, high reliability with all function being maintained etc.



Product features

The reduction of the technology to the essential moreover offers considerable ecological and economical advantages:

- Environmentally friendly due to economical and ecological use of material and energy
- Tailored-to-size system production
- Simple, quick installation and adjustment
- Safe maintenance diagnosis

The Slimdrive SL (SLT for sliding doors with telescoping opening) is a fully modular, all-aluminium construction system and consists of mounting profile, track profile, cover and side parts.

The drive simply disappears in the façade thus creating transparency and consequent aesthetics. Beam extensions and mullion profiles are a thing of the past. What you get instead: frameless door leaves – without any compromises.

- Small dimensions: 70 mm x 188 mm (height x depth)
- All components are pluggable
- The drive unit is completely prefabricated
- The supply unit can be flanged to the guide rail without drilling

Simple mounting – flexible use

All components and the cover can be fitted from behind. The Slimdrive SL is suitable for column and beam mounting to almost all common façade profiles as well as for wall and ceiling installation owing to corresponding adapters.

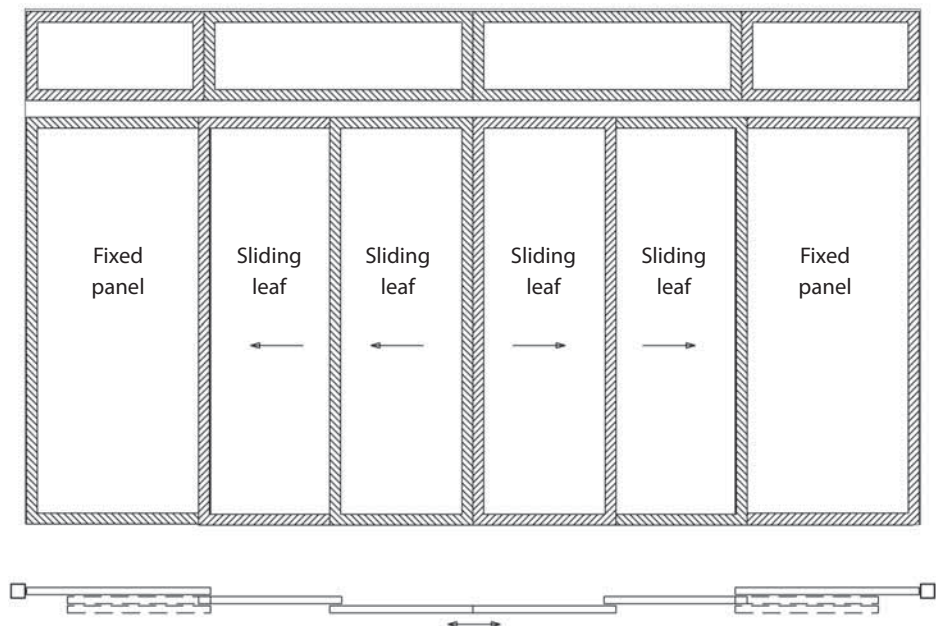
- Slimdrive SL NT-FR and SLT-FR are approved for the use on escape and rescue routes

TECHNICAL DATA

		Slimdrive SL NT/SL NT-FR	Slimdrive SLT/SLT-FR
Opening width	single-leaf	max. 2000 mm	max. 3000 mm
	double-leaf	max. 3000 mm	1600 – 3600 mm
Max. leaf weight	single-leaf	120 kg	2 x 80 kg
	double-leaf	2 x 120 kg	4 x 70 kg
Opening speed (double-leaf with 2 x 100 kg)		max. 0,7 m/s	max. 0,7 m/s
Closing speed		max. 0,4 m/s	max. 0,4 m/s
Height of door leaf		up to approx. 3000 mm	up to approx. 3000 mm
Door leaf IGG system		with concealed fittings	

IGG limits of application		
Max. weight of element	fixed panel	200 kg
	sliding leaf Slimdrive SL	120 kg
	sliding leaf Slimdrive SLT	70/80 kg
Max. side ratio	process-inherent	1 : 5
	optimum running smoothness Slimdrive SL	1 : 3
	max. for Slimdrive SL and SLT	1 : 4
Max. admissible deflection		8 mm oder 1/200
Standard values	weight per unit area for 2 x ESG 6 (IGG standard)	34 kg/m ²
	weight per unit area for 2 x ESG 8 (1 side > 3000 mm)	44 kg/m ²

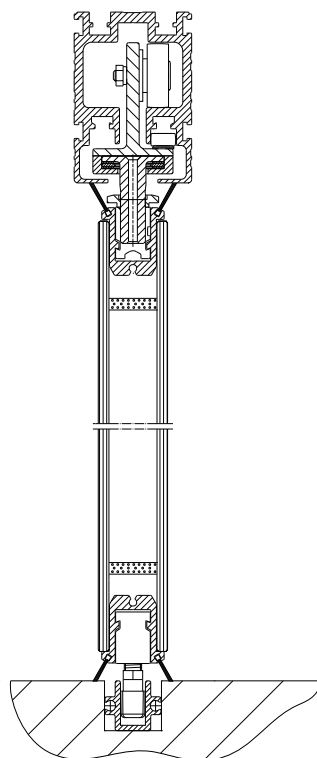
SLIMDRIVE SLT WITH IGG



GEZE Manual sliding wall system MSW with IGG

Transparent partition wall

GEZE MSW is the manual sliding wall system for transparent separation of rooms by means of moveable glass elements. A flexible modular system and the integration of leaf elements of different functions offer architects and designers the freedom to realise individual sliding walls. GEZE MSW offers optimum solutions for innovative all-glass design for pretentious building projects.



Product features

- Excellent running properties and almost silent operation thanks to the high-quality precise roller bearings
- Minimal use of force required to manually slide the glass elements
- The profiles and fitting system are integrated invisibly between the glass panes
- Max. leaf weight up to 150 kg (with dual roller)
- Suitable for door leaf heights up to 3500 mm and widths up to 1200 mm (hinged doors) resp. 1500 mm (sliding doors)
- Circumferential perimeter printing: horizontal min. 50 mm, vertical min. 30 mm
- Standard composition of panes: 2 x 6 mm toughened safety glass ESG-H, gap between the panes 27 mm
- Types of glass: ESG-H 6 mm (green glass) and ESG-H 6 mm (clear glass) for installation heights up to 3000 mm; ESG-H 8 mm (green glass) and ESG-H 8 mm (clear glass) for installation heights from 3000 mm to 3500 mm, other glass combinations possible (e.g. laminated glass VSG of ESG)
- Sealing: horizontally brush seals, vertically silicon seals
- Continuous floor guide as an option

Range of application

Light and transparent room partitioning in the form of an integrated all-glass system using a building block concept. The perfect partitioning wall for use in hotels, congress and shopping centres or airports.

- Combination with fixed panels, double-action, single-action, swing doors and sliding doors possible

GEZE Perlan 140 with IGG

Proven, robust and durable

GEZE Perlan 140 is a roller-guided sliding door system suitable for single, multiple and synchronous sliding doors. The elegant, understated design supports any desired spatial effect. The demanding technology, high-quality materials and first-class workmanship means that the sliding doors open with the least amount of force and make Perlan 140 the ideal solution for constant use in heavy frequented living and working areas.



PERLAN 140 WITH IGG

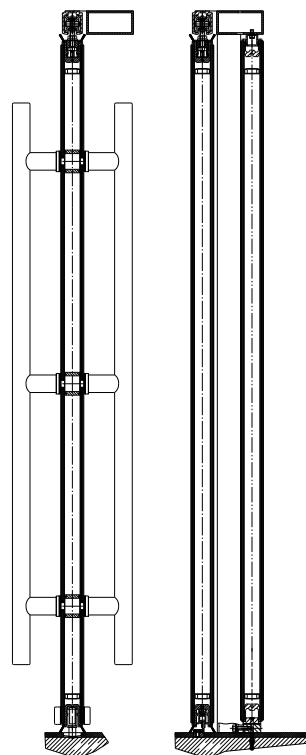
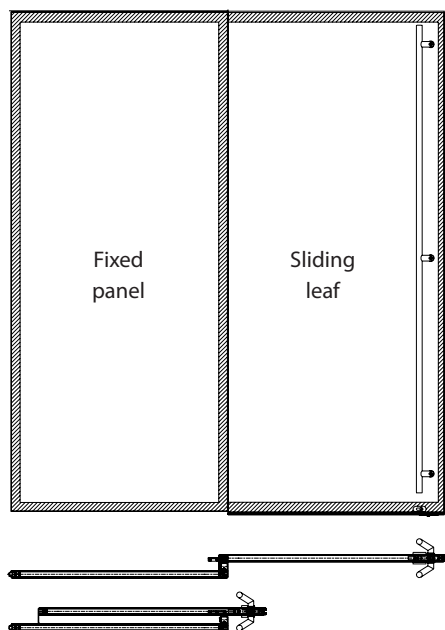
Product features

- 4 high-quality precision ball bearings
- Optimum load distribution due to triple pendulum suspension
- Precise guiding due to special track design, no lateral contact
- Track of anodised light alloy; hanger bolts and nuts of special steel
- Outdoor installation possible
- Vertical and lateral adjustment
- Track can easily be adjusted after installation
- Types of glass: toughened safety glass ESG-H 6 mm (green glass), ESG-H 6 mm (clear glass), other glass combinations possible (e.g. laminated glass VSG of ESG)
- Even possible in combination with SoftStop

Range of application

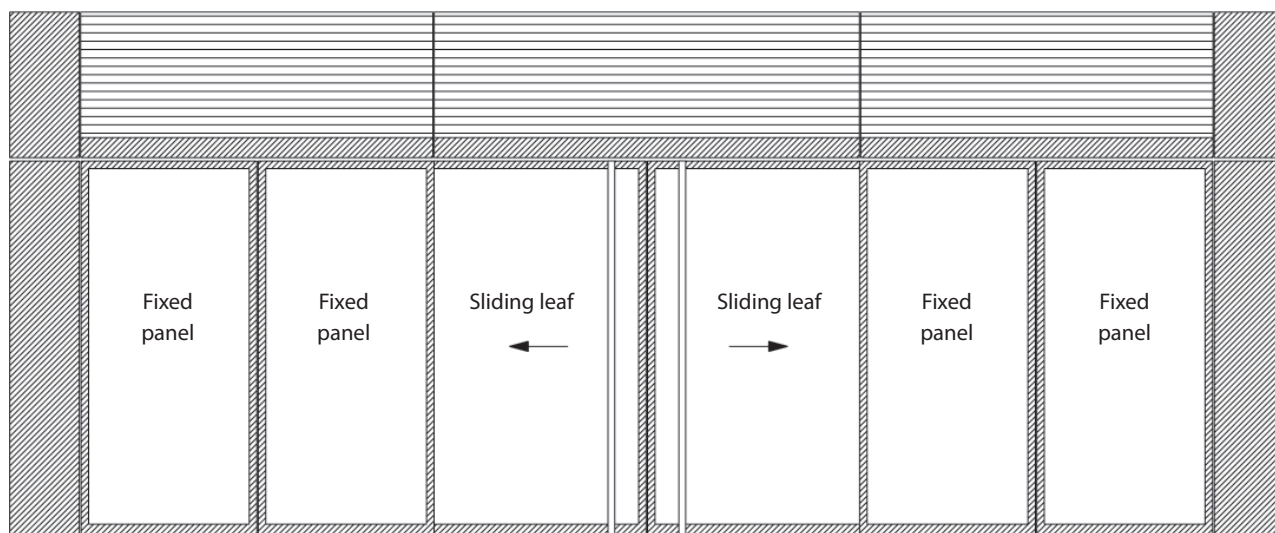
- For all types of sliding doors: single, multiple leaves and synchronous
- Wall and ceiling mounting
- For doors with a leaf weight of 140 kg
- Fixed panel up to 200 kg
- Max. height 2600 mm
- With SoftStop up to 80 kg weight per leaf

PERLAN 140 WITH IGG



Standard mounting

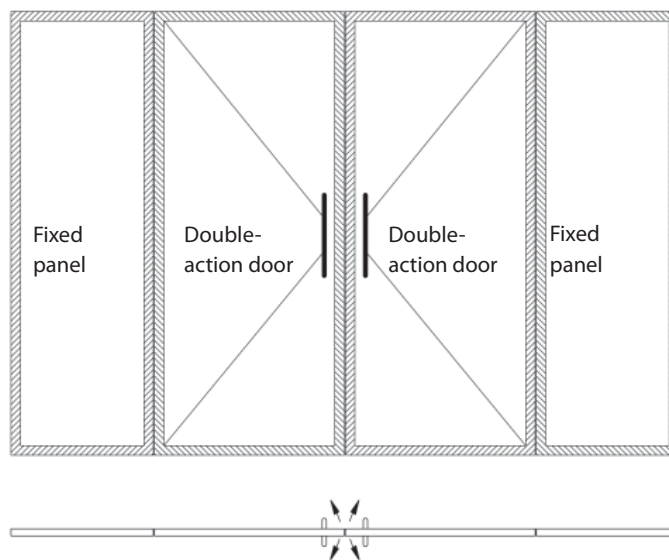
The leaves can be mounted to the wall or the ceiling using attachment angles (hole interval 175 mm). The door is stopped at the top and at the bottom simultaneously by a buffer and an additional buffer that is fitted to the centre of the door or at the top.



GEZE IGG Double-action door

Flexibel to all directions

In banks, restaurants and hotels you often need doors that can be opened to both directions. The GEZE IGG double-action door offers the required flexibility and is suitable for everyday use, simultaneously offering high-quality and transparent construction. The double-action doors can be combined with the proven GEZE automatic door opening systems.



IGG DOUBLE-ACTION DOOR

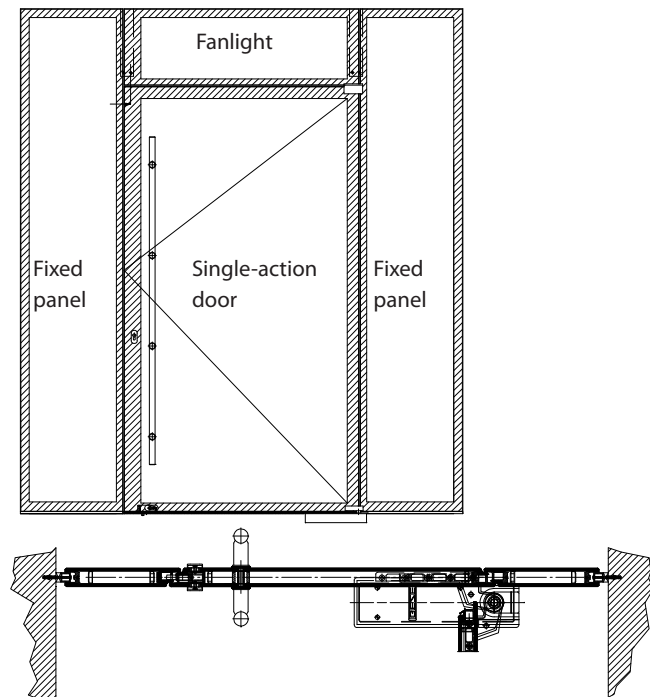
Product features

- Frameless all-glass element with fittings integrated between the panes (2 x 6 mm toughened safety glass ESG-H, gap between the panes SZR 27 mm)
- Allround perimeter printing
- Dimensions: door width max. 1250 mm, height max. 2600 mm
- Thickness of door leaf approx. 40 mm
- Max. weight of door leaf: 120 kg per leaf
- Fixed panel max. 200 kg
- Types of glass: toughened safety glass ESG-H 6 mm (green glass), ESG-H 6 mm (clear glass), other glass combinations possible (e.g. laminated glass VSG of ESG)
- Finish of spacers of ISO glazing: silver (standard), black or light grey
- Surface of integrated frame: C 35 (black)
- Types of mounting: frame, column and beam structure, wall installation
- With door closer: Floor spring TS 500 NV / TS 550 NV

GEZE IGG Single-action door

Simply ideal

Whether in public or private buildings: no doors are used more often than single-action doors. The GEZE IGG system allows the construction or even reconstruction of any sort of single-action doors. You are free to choose among a wide range of hinges, locks, handles, automatic closing and opening systems.



IGG SINGLE-ACTION DOOR

Product features

- Frameless all-glass element with fittings integrated between the panes (2 x 6 mm toughened safety glass ESG-H, gap between the panes SZR 27 mm)
- Allround perimeter printing. Width of printing depends on fitting options.
- Dimensions: door width max. 1250 mm, height max. 2600 mm
- Thickness of door leaf approx. 40 mm (ESG-H)
- Max. weight of door leaf: 120 kg per leaf
- Fixed panel max. 200 kg
- Types of glass: toughened safety glass ESG-H 6 mm (green glass), ESG-H 6 mm (clear glass), other glass combinations possible (e.g. laminated glass VSG of ESG)
- Finish of spacer of ISO glazing: silver (standard), black or light grey
- Surface of integrated frame: C 35 (black)
- Types of mounting: frame, column and beam structure, wall installation
- With door closer: Overhead door closer TS 5000/TS 3000 V, floor spring TS 550 / TS 550 E

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