



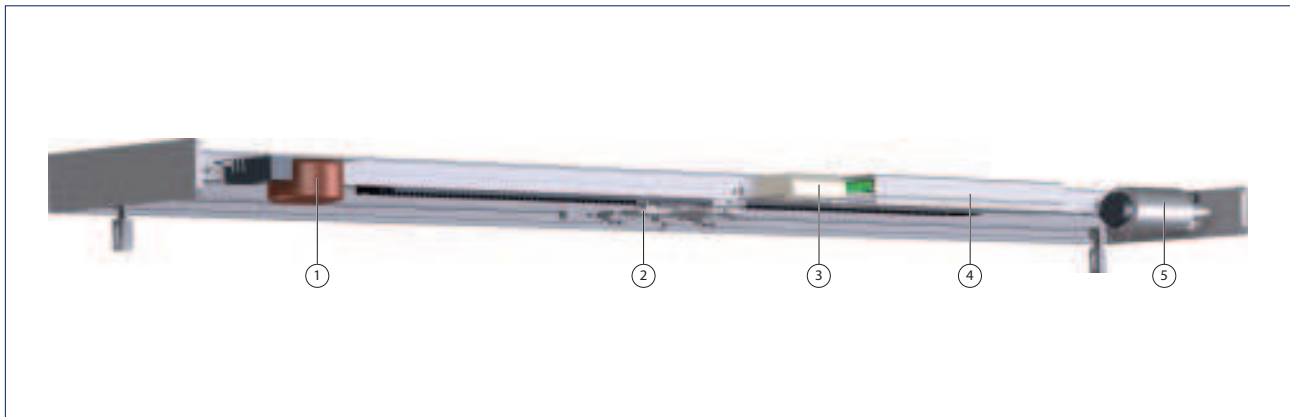
GEZE SLIDING, TELESCOPIC AND FOLDING DOOR SYSTEMS
VERSATILE AND COMFORTABLE

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

GEZE SLIMDRIVE SF

Calculations for Slimdrive SF

Drive length and glass dimensions

Calculation of the drive length (AL) in mm*

Slimdrive SF	
4-leaf	$\ddot{O}W = 900 - 2000^*$, $AL = \ddot{O}W + 334$
* 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.

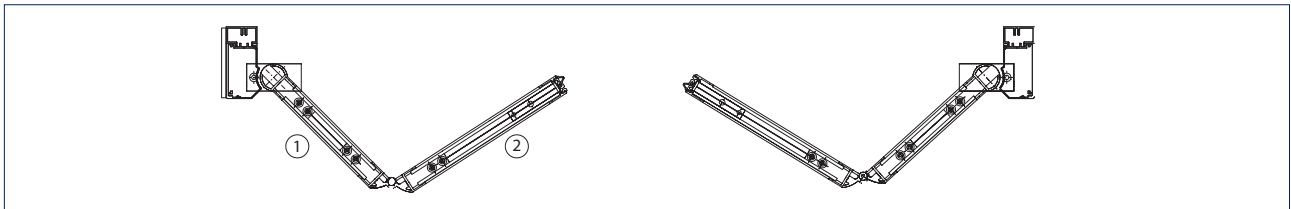
The minimum opening widths depend on the requirements of building law.

Calculation of leaf and glass dimensions in mm

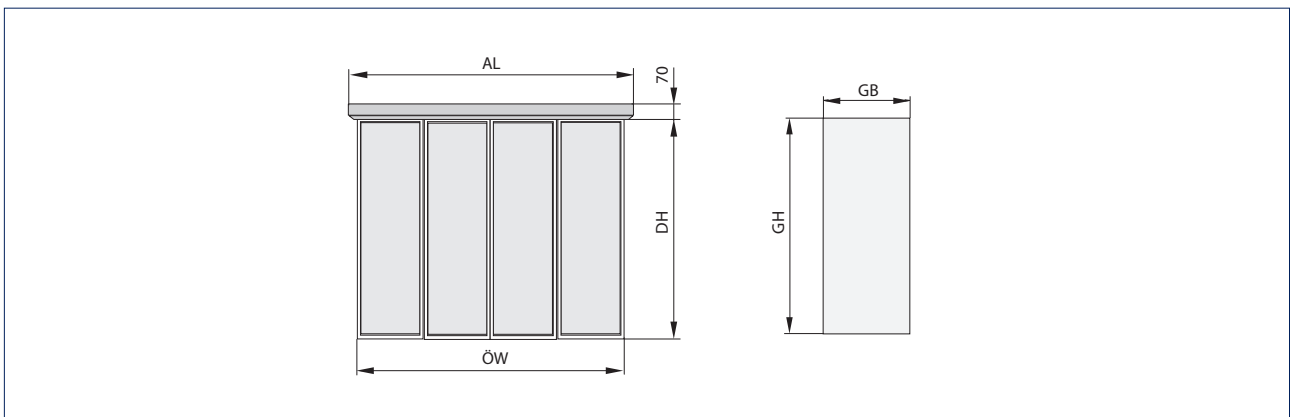
Slimdrive SF	
Driving leaf	$\text{Glass width} = \ddot{O}W / 4 + 10.5$
Following leaf	$\text{Glass width} = \ddot{O}W / 4 + 1.5$
Glass height	$DH - 82$
Glass thickness ISO-glass	22
Glass thickness ESG/VSG	10

Note:

max. leaf ratio width to height 1:4



- 1 = Following leaf
2 = Driving leaf



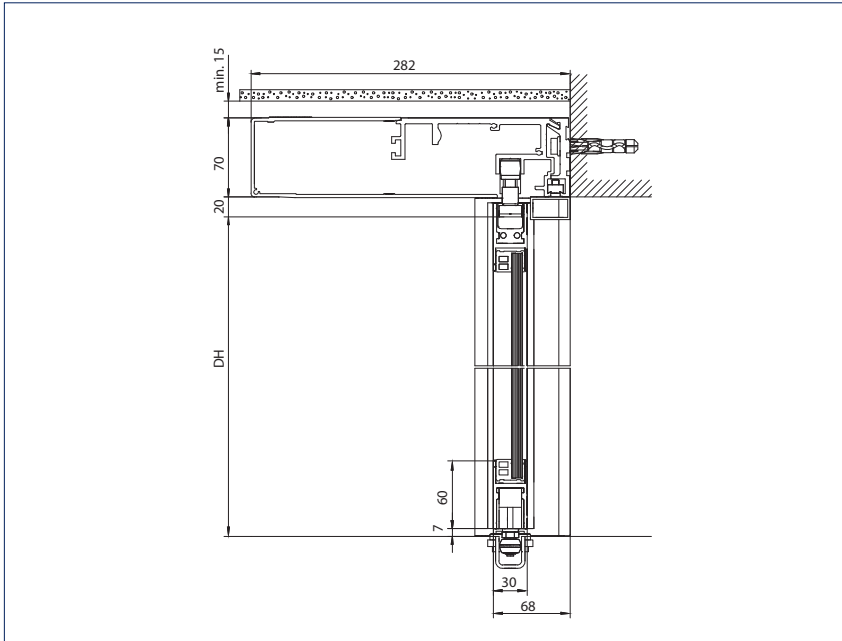
- AL = Drive length
DH = Passage height
GB = Glass width
GH = Glass height
OW = Opening width

GEZE Slimdrive SF

ISO/MONO-glass fitting

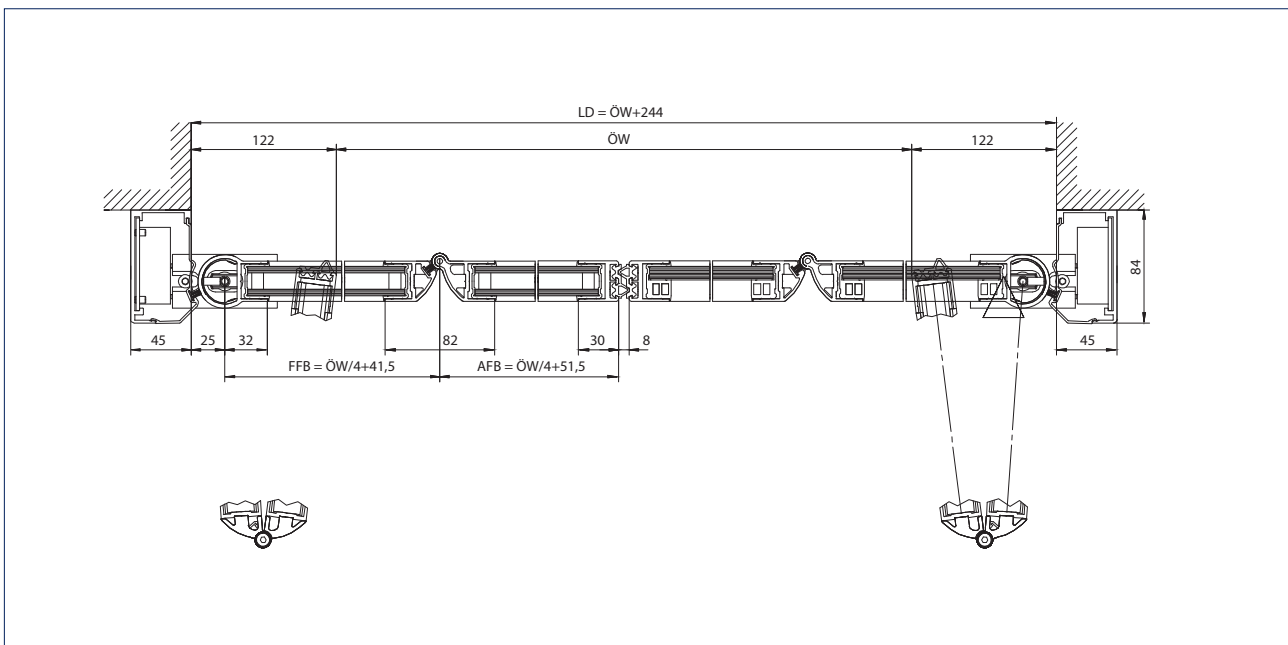
Door leaf

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