

FOR SMOOTH AND CONVENIENT PEOPLE FLOW

KONE Gliding™ Doors

KONE Gliding doors are the ideal solution for working environments where quiet and hygienic conditions are required.

The KONE Gliding door opens and closes very smoothly and conveniently. The door panels are held up by magnetic fields, so all it takes is a light touch to move the door. Thanks to the patented technology, using a permanent magnet, the KONE Gliding door provides safe and smooth movement. This unique solution is suitable for many kinds of buildings, such as hospitals, homes for the elderly or disabled, offices and hotels.

Ideal for hospital environments

KONE Gliding doors are ideal in medical environments. The door can be completely suspended in the groove, saving space and eliminating the risk of collision from objects such as hospital beds, for example. There is no threshold, making it easier to move patients in beds or wheelchairs.

The aluminum slide with magnets is mounted on the top of the gliding door. The magnets form a closed magnetic circuit, so there is no risk of influencing medical equipment near the door.

Efficient use of space

A standard swing door typically requires 1.5 to 2.0 square metres of floor area when opening. The KONE Gliding door can thus save 10-15% of the available floor space in the room or hallway (depending on its size). With the KONE Gliding doors privacy module, two or more residents can use the same bathroom and there will be space savings also for the smallest rooms in the building.

For sterile or hygiene-sensitive environments

The KONE Gliding door has few mechanical parts, so there is minimal need for lubricants, which can attract dust and other airborne particles. With automatic door operation there are no handles, which can spread bacteria. These hand-to-hand transfers can be virtually eliminated by installing the door inside the wall, since in the open position the whole door panel is protected. The door panels can be quickly removed, disinfected and refitted if required.

Key benefits

- Convenient, hygienic, silent, no threshold.
- Can save on average 10-15% of floor space in a room/hallway compared to swing doors.
- Long lifecycle with minimal wear and tear.
- Complies with all European standards and regulations.
- Integration with patient lifting system (ceiling lift).
- Customised applications: manual and (semi) automatic operation, fire resistant, gliding on the wall or in the wall.
- Closed gliding system with minimal dust penetration.
- Easy to install in all kinds of buildings.



The KONE Gliding door is the only "sliding" door that makes it possible to have a rail installed through the door, such as for patient lifts.

Plenty of installation possibilities

Besides manually operated doors, KONE also provides gliding doors that automatically open and close, and close automatically in case of fire. There are several installation options. The door panel can be mounted on the wall, but usually the door panel is suspended in the wall, minimising the space requirement.

Gliding doors can be delivered in many sizes, designs and applications. Fire resistant and radiation protection applications are also available. If the standard solutions do not meet your requirements, KONE can provide a robust profile system that allows easy custom solutions. For the best result, KONE should be involved in the preliminary planning in order to ensure that the most appropriate and cost-effective solution is used.

Low operating costs

The gliding door construction does not require a rail and the few moving parts are of extremely robust construction. Compared to standard manual and automatic doors, there is less wear and less need for component replacement.



KONE Gliding™ doors, available as full-glazed doors, are the perfect solution in office environments where quiet and clean working conditions are required.

Additional information

- Standard frame color: RAL 9010.
- Manual and automatic single doors (types SIH -1 and P-1 LG) are also available as an insulated system for a patient lifting system on the ceiling.
- Door panels are available with several finishes. The maximum door weight is 15 to 20 kg/m², except for door panels with radiation protection.
- The manual single door (SIH-1) is also available as a door panel with radiation protection.

Door type	Height (mm)	Width (mm)	Wall thickness (mm)
Manual single in the wall gliding door (SIH-1)***	2300	800 -1800	(100*), 125, 150
	2100	800 -1100	100, 125, 150
	2100	1200 -1800	(100*), 125, 150
Manual single, automatically closing in case of fire alarm, in the wall gliding, fire resistant 30 minute (SIZ-1s)	2100	800 -1200	minimum 125**
	2300	800 -1300	minimum 125**
Automatic single in the wall gliding door (SIA-1/v/)	2100	800 -1200	100, 125, 150
	2300	800 -1300	(100*), 125, 150
Manual double in the wall gliding doors (SIH-2)	2100	1650 - 2250 (2450*)	100, 125, 150
	2300	1600-2450	(100*), 125, 150

Profile type	Height (mm)	Width (mm)
Manual single, wall mounted (P1LG)	Up to 2700	800 - 2400
Manual single, ceiling mounted (P1HG)	Up to 2700	800 - 2400
Automatic single, wall mounted (PA1LG)	Up to 2700	800 - 1300

* Due to the size of plasterboard panels and the stability of the system, we recommend a minimum wall thickness of 125 mm. With a wall thickness of 100 mm there are special snap frames applied to generate more stability.

** A minimum wall thickness of 125 mm is required for the TNO certificate.

*** Optional: With glass panel above the door.

The standard dimensions increase by 100 mm per step. Deviating dimensions can be delivered. The standard color of the frames is RAL9010. Deviating colors are possible.

For more information go to kone.co.uk