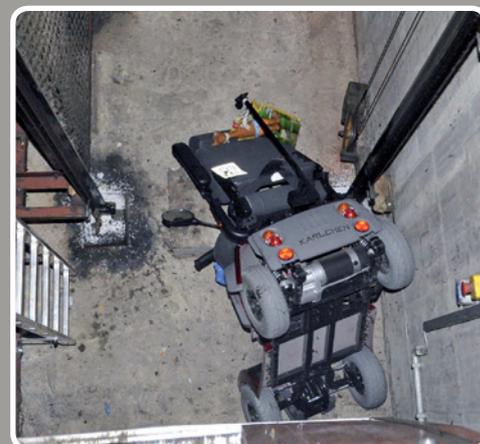


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SCOOTERGUARD[®]



Lift Doors with Integrated Safety System

Lift Doors with Integrated Safety System to prevent accidents of lift users with mobility scooters



ScooterGuard®

Mobility scooters are increasingly popular among elder people and others with restricted movement ability. As the average age of the population in Europe increases, so does the demand for electric mobility vehicles such as these. They are extremely agile, and very good at entering and exiting lifts in retirement homes, etc.

Unfortunately time and again tragic accidents happen resulting from errors in controlling mobility scooters in the vicinity of lifts. Most frequently, accidents with lift-doors are caused by crashing through closed landing doors and plunging into the shaft.

More and more lift operators who are responsible for passenger safety recognize this problem and take steps to prevent such accidents from occurring.

In a move designed to prevent such accidents from happening, the MSR guideline was devised in association with mobility scooter manufacturers and the Technical University in Munich for scooters driven in the vicinity of horizontally actuated lift

doors. The guideline aims to satisfy the safety requirements relating to the use of mobility scooters in or near lifts. It requires that lift doors be fitted with additional components that render them able to withstand the impact of a collision from a scooter of any performance class.

In particular, it means that door panels, sills and door guides should be of reinforced construction and fitted with double-layer hangers, sturdy eye bolts, and flanged kicking rollers.

All of these measures have been incorporated in the **ScooterGuard®** system, enabling it to effectively prevent door panels from being knocked out of the bottom guides in the event that a mobility scooter is accidentally driven into it, thus preventing the scooter from entering the shaft.

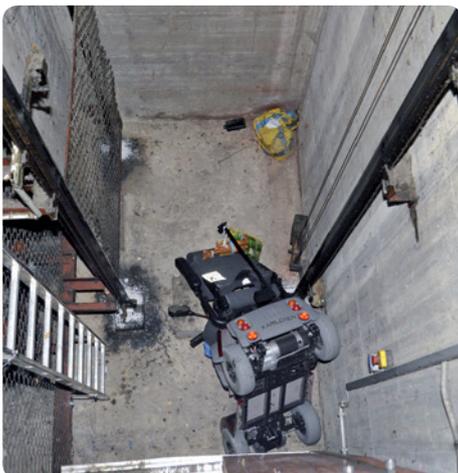
During the development phase several test series with mobility scooters of different types had been carried out as well as intensive impact tests. Even after two impacts of a mobility scooter with a total weight of max. 220 kgs and a speed of max. 8 km/h the integrity of the room is fully maintained. The results are impressive proof that the **ScooterGuard®** safety system effectively prevents electric scooters and their users from fatally falling into a lift shaft.



As an established manufacturer of high-quality lift doors, MEILLER has always been concerned with ensuring the safety of its components in lift systems, and feels a commitment to maintaining this. Vandal-resistant door systems have been in use all over Europe for many years, with reinforced components made by MEILLER.

Safety Features:

- certified by an accredited inspection body
- reinforced door panel execution
- reinforced door sills and guide shoes
- reinforced double-layer hanger plates
- flanged kicking rollers from steel
- door panels with reinforced eye screws
- guide shoes with interlocking into the sill



ScooterGuard® - Dimensions

Door construction				Clear door width (CDW)	Clear door height (CDH)
Side opening	two panel	TTS 25	S 2 R/L	TB = 800 - 1400 mm	TH = 2000 - 2300 mm
Centre opening	two panel	STS 26	S 2 Z	TB = 800 - 1400 mm	TH = 2000 - 2300 mm
Side opening	three panel	TTS 31	S 3 R/L	TB = 900 - 2100 mm	TH = 2000 - 2300 mm
Centre opening	four panel	TTS 28	S 4 Z	TB = 800 - 2800 mm	TH = 2000 - 2300 mm

Door panels

Steel door panels double-walled	1.5 mm, vision panel 100 x 600 mm as an option
Steel door panels double-walled	1.0 mm with cladding
Glass door panels MGT 99.20	with or without plinth
Glass door panels MGT 01.20	with or without plinth

Door sills

Standard aluminium sill
Massive aluminium sill
Gravida® sill
Hidden track for STS 26



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