

UNIVERSAL DRIVE MECHANISM FOR **SWING DOORS**



THE ELEGANT SOLUTION FOR SWING DOORS

Convenient by design

Sleek design combined with clean lines creates just the right overall architectural impression. This streamlined drive mechanism is integrated at lintel height for discreet, concealed convenience.



The slimline FD 10 drive mechanism

- For smooth and silent door movement
- Supplied with "smart" functions, such as combined safety and opening elements, adjustable opening power and our Push & Go feature
- Integrated wind load function
- Interlock function

THE ROBUST SOLUTION FOR SWING DOORS

Suitable for any situation

Used for large heavyweight doors or those exposed to strong winds. This universal drive mechanism provides smooth, unobstructed and hygienic access in any situation.



The high-performance FD 20 drive mechanism

- With integrated protection designed to withstand winds of up to 80 km/h
- Supplied with a large range of functions, including reinforced closure and hold-open time – all designed to ensure smooth operation
- External elements and accessories are likewise electrically powered
- Interlock function

PROVEN PERFORMANCE IN THE EVENT OF FIRE

Ready to cope with emergencies

The swing door drive unit closes your door, reliably and from any position, if a fire should occur. The closed door can be opened manually at any moment to provide a reliable escape route.



The FD 10-F / FD 20-F drive mechanism with fire shutter

- Spring-actuated closure in the event of a fire or power cut
- Provides a reliable emergency exit/rescue access route
- Suitable for direct incorporation into a building's control system

CONTROLLED OPERATING SEQUENCE IF SMOKE IS PRESENT

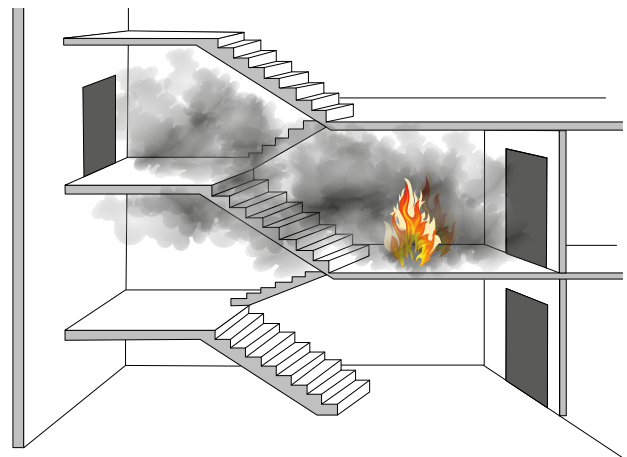
With our “Invers” function

The extraction of smoke from the interior of a building depends on the carefully coordinated opening and closing of doors and windows. This lets toxic smoke and fumes escape quickly from the building. After a certain time has passed, largely stable layers of air, and ones containing only small residues of smoke, form near floor level, allowing people to escape unassisted; possibly saving many lives. Smoke extraction makes the job of the fire brigade more efficient, as fumes do not spread from room to room.

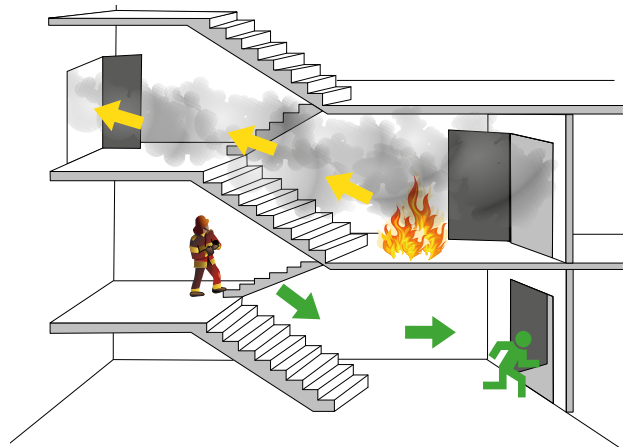


FD 20-F “Invers” smoke-extraction function

- Power-down opening with spring-loaded mechanism
- Used for smoke and heat extraction
- Emergency exit/rescue access



Spread of smoke without extraction system




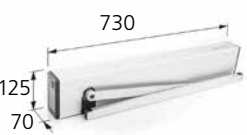


Spread of smoke with extraction system

SWING DOOR DRIVE UNITS

THE RIGHT CHOICE

Design and function

Gilgen swing door drive units are designed for high performance, maximum service life and extra-quiet operation. They are ideal for new installations and existing doors alike. They can operate both lightweight interior doors and heavyweight external doors, along with fire safety doors. They are certified to confirm compliance with the highest quality, safety and security standards.

	FD 10 Design	FD 10-F Fire prevention	FD 20 High performance	FD 20-F Fire prevention
				
Max. door leaf weight	150 kg	150 kg	250 kg	250 kg
	Maximum door leaf weights may be exceeded when certain influencing factors apply. See FD-Selector (media.gilgendoorsystems.com/tools/fd-selector)			
Door sizes single-leaf	730 – 1250 mm (Standard rods) 730 – 1100 mm (Sliding rods)	730 – 1250 mm (Standard rods) 730 – 1100 mm (Sliding rods)	750 – 1600 mm	750 – 1400 mm
Door sizes two-leaf	1460 – 2500 mm (Standard rods) 1460 – 2200 mm (Sliding rods)	1460 – 2500 mm (Standard rods) 1460 – 2200 mm (Sliding rods)	1500 – 3200 mm	1500 – 2800 mm
Max. opening angle	105°	105°	105°	105°
Opening speed	2,4...20 s adjustable (max. 40°/s)	2,4...20 s adjustable (max. 40°/s)	2,4...20 s adjustable (max. 40°/s)	2,4...20 s adjustable (max. 40°/s)
Closing speed	2,4...20 s adjustable (max. 40°/s)	2,4...20 s adjustable (max. 40°/s)	2,4...20 s adjustable (max. 40°/s)	2,4...20 s adjustable (max. 40°/s)
Max. wind speeds	See FD-Selector media.gilgendoorsystems.com/tools/fd-selector			
Approved according to standards	EN 16005, DIN 18650	EN 16005, DIN 18650, EN 1634-1, EN 1158, DIN 18263-4	EN 16005, DIN 18650	EN 16005, DIN 18650, BS EN 1634-1, EN 1154, EN 1158, DIN 18263-4 NF S 61-937-8: 2010-10