

# Security doors

Security without limitations

EFAPROTECT® Series



**EFAFLEX**   
safe high-speed doors





# EFAPROTECT® Series

With the security doors from EFAFLEX's EFAPROTECT® series, you can provide maximum protection to the people around you without having to forego the rapidity of an efficient high-speed door. Automatic locking mechanisms on the sides securely close the spiral doors during every closing operation, turning them into near-insurmountable obstacles.

At the same time, our high-speed security doors fit seamlessly into the structure of your building and impress with their excellent opening and closing speeds. Your processes remain quick and efficient while your valuables receive the best protection.



# Our door solutions for security areas.



High-speed spiral door  
EFA-SST® Secure

The main image is an aerial 3D rendering of a secure facility. It features a large perimeter wall with a watchtower on the right. Inside the wall, there are several buildings, including a central one with a circular entrance, two circular courtyards with fountains, and a large modern glass-fronted building labeled 'BANK'. To the right of the main wall, there is a parking area with a 'VIP' sign and an airplane icon. Further down, there is a residential-style building with a swimming pool and a warehouse-like building with a '\$' sign. Orange lines with square endpoints connect the text box to various door locations across the facility, including the main entrance, the bank building, the VIP area, and the warehouse.



For more information on  
security doors visit:  
[www.efaflex.com/efaprotect-series](http://www.efaflex.com/efaprotect-series)



**YOUR ADVANTAGES  
AT A GLANCE:**

- Individual security solutions for every challenge
- Robust design
- Fastest opening and closing speeds
- Tested and certified by ift Rosenheim



**High-speed spiral door  
EFA-SST® Efficient**



# The most secure high-speed door in the world.

## EFA-SST® Secure

With the EFA-SST® Secure, you can provide maximum protection to the people around you without having to forego the rapidity of an efficient high-speed door. Your processes remain quick and efficient while your valuables receive the best protection. With our Secure series you will find the perfect solution for every security application.

### UNASSAILABLE SECURITY

Double-sided, automatic locking mechanisms reliably and securely close the door after every closing operation, turning it into a nearly insurmountable obstacle. Thanks to the extremely robust construction and a drive by reinforced hinge chains, the door is optimally suited for use in sensitive zones and offers excellent burglary protection.

### GUARANTEED LONGEVITY

The average opening speed of the door leaf is about 1.0 m/s. The closing speed is approx. 0.6 m/s. The EFA-SST® Secure is generally designed for 250,000 load cycles per year and a service life of least 10 years. The EFA-SST® Secure can cover openings ranging in size from a front door to a truck entrance.

### MANUAL EMERGENCY OPERATION

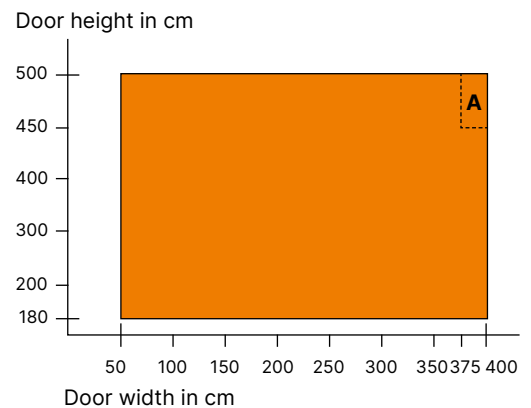
For quick and easy emergency operation by hand, the door frames of the EFA-SST® Secure include special springs. In case of an emergency or power failure, the door can thus be opened within a few seconds to evacuate the endangered area as quickly as possible.

### CERTIFIED RESISTANCE

Thanks to certification in accordance with DIN/TS 18194:2020, the door achieves resistance class 3 or 4 (RC 3/RC 4) and thus protects against burglary, robbery and vandalism.

### EFA-SST® SECURE (RC 4 / RC 3) AT A GLANCE:

- Resistance class 4 in accordance with DIN/TS 18194:2020 – RC 4
- Resistance class 3 in accordance with DIN/TS 18194:2020 – RC 3
- Patented technology
- Automatic locking during every closing operation
- Emergency operation due to prestressed tension springs
- Opens in up to 1.0 m/s
- Closes in up to 0.6 m/s
- Up to 250,000 load cycles per year
- Max. sizes  
W=4,000 mm, H=5,000 mm



Area A: The 375-400 cm door system width and 450-500 cm door system height is possible with RC 3, but not with RC 4!



#### **EFA-SST® EFFICIENT AT A GLANCE:**

- Narrow door frame for cramped installation locations
- Chain drive ensures minimal maintenance costs
- Resistance class 2 in accordance with DIN/TS 18194:2020 – RC 2
- Opens and closes in up to 0.5 m/s
- Up to 150,000 load cycles per year
- Max. sizes  
W=4,000 mm, H=5,130 mm
- Tested and certified by ift Rosenheim

## **The custom-fit security solution. EFA-SST® Efficient**

Cramped installation situations require a custom-fit solution which can be integrated into the given conditions. With the EFA-SST® Efficient high-speed spiral door, EFAFLEX offers a compact and springless door which can also be positioned in locations with confined installation space. The scope of application for the EFA-SST® Efficient ranges from indoor use through to use as a secure hall door. With an on-site canopy, the high-speed door can also be installed outdoors.



## SPACE-SAVING DESIGN

Thanks to the heavy-duty chain drive, the EFA-SST® Efficient does not require weight counterbalance via springs. This not only saves space, but also reduces costs of maintenance and service. Furthermore, the EFAPROTECT high-speed spiral door can be installed in many situations due to the compact door frame dimensions. Thanks to the highly-insulated door leaf, it is also suitable for both indoor and outdoor use.

## GUARANTEED LONGEVITY

The door leaf of the EFA-SST® Efficient consists of individual laths which are connected by a hinge chain. When the industrial door is opened or closed, the rollers attached to the hinge chain are guided through the vertical and spiral-shaped door leaf guides. This results in a very low noise level. In addition, there are only minimal signs of wear – and none at all on the door leaf itself. This ensures a long service life for the door system.



The chain drive saves space and reduces maintenance work.



Low noise levels and minimal wear thanks to attached rollers on the hinge chain.

## INNOVATIVE SECURITY

The EFA-SST® Efficient is certified according to DIN/TS 18194:2020 for resistance class 2 and extends the EFAPROTECT® series. The innovative all-rounder ensures maximum safety as well as security without interfering with ongoing processes.

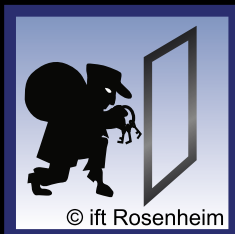
# Top protection for your assets.

## Tested and certified



### CERTIFICATIONS

To protect you effectively against theft and vandalism, we regularly have the efficiency of our doors tested and certified. This is the only way we can live up to our claim of meeting the highest standards.



Burglary, robbery and vandalism – these crimes haven't been rare for a long time. Burglaries and robberies in particular have usually been planned for a long time and are well organised. It's frequently the case that these crimes aren't committed by individuals but by criminal networks which have the necessary means and are sufficiently unscrupulous to forcibly gain access to your valuables.

People wanting to safeguard against these risks usually resort to electronic security systems – however, they can complicate logistical processes and slow down internal procedures. Electronic security systems also do not prevent burglary, but merely provide information about it.

That is why EFAFLEX developed the EFA-SST® Secure high-speed spiral door and the EFA-SST® Efficient high-speed spiral door from the EFAPROTECT® series. Our security doors impress with their robust construction, fastest opening and closing speeds and certified resistance.

The EFAPROTECT® series security doors have been tested and certified by ift Rosenheim. The institute's purpose is to test and certify building products, safety technology and protective equipment.

The EFAFLEX doors were tested in accordance with DIN/TS 18194, which specifies the requirements for burglary-proof doors in classes RC1 to RC6.

- The EFA-SST® Secure is certified in accordance with resistance class RC 3 and RC 4 and is considered to be the most secure high-speed door in the world.
- The EFA-SST® Efficient, with its narrow door frame and resistance class RC 2, guarantees security in the tightest of spaces.

The EFAPROTECT® series has also been certified with the German "KEINBRUCH" seal and is listed in the police manufacturer's directory for tested and certified burglary-proof products.

"KEINBRUCH" is an initiative by the police and the business community. Together with cooperation partners from the insurance industry, industry associations and installer companies, the police launched the KEINBRUCH nationwide publicity campaign in autumn 2012. The aim is to raise the population's awareness to take responsibility for their own burglary prevention in order to ultimately bring about a decrease in burglary crime.



\* Appointed in police directory for approved and certified burglary-resistant products

# Technical details

## High-speed doors burglary protection

		<b>EFAPROTECT Series</b>	
		EFA-SST®	
		Secure (RC3+RC4)	Efficient
Size		L	L
Application	Interior door	●	●
	Lock-up doors	●	●
Wind load max.*	According to DIN EN 12424 class	4	2 – 4
Operating forces/ safe closing	According to DIN EN 13241 class	fulfilled	fulfilled
Resistance against water ingress*	According to DIN EN 13241 class	–	2
Air permeability*	According to DIN EN 13241 class	–	0
Direct airborne sound insulation R <sub>w</sub> *	in dB according to DIN EN 717-1	25	20
U value maximum*	in W/m <sup>2</sup> K according to DIN EN 13241	5.8	1.7
Door size (in mm)	Width W max.	4,000	4,000
	Height H max.	5,000	5,130
Average speed, approx.*	Opening in m/s	1.0	0.5
	Closing in m/s	–	0.5
	Closing by door light grid EFA-TLG® in m/s	0.6	–
Guide of door leaf	Round Spiral	●	●
Steel design	Galvanized sheet steel frame	●	●
	Powder coated in RAL colours	○	○
Door leaf	EFA-THERM® laths insulated/painted	–	●
	EFA-THERM® laths with double-walled viewing windows	–	○
	EFA-CLEAR® Vision laths single-walled	–	○
	EFA-VENT® Ventilation laths	–	○
	EFA-ALUX® Aluminium laths	●	–
Fire class	Building Material class DIN 4102	B2	B2
Weight balancing by		Spring	Spring
Designed for approx ... operating cycles per year		250,000	150,000
Drive	Electric motor	●	●
Control	EFA-TRONIC®	–	●
	EFA-TRONIC® Professional	●	○
	Main switch and foil keypad	●	●
Lead	Electricity connection 230 V/50 Hz	●	–
	Electricity connection 400 V/50 Hz	○	●
	Circuit breaker	16 A (K)	16 A (K)
Emergency operation	Automatic after manual activation	●	–
	Manual activation	–	●
Safety Devices	EFA-TLG® door light grid in door closing line	●	–
	Contact edge	–	●
	Light barrier	–	●
	Approach area monitoring	○	○
	Light grid, external	○	○
Safety system including activator	EFA-SCAN® frame/bollard	– / ○	○ / ○
	LZR®-WIDESCAN	○	○

● Standard, ○ upon request, – Not available, \* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!



EFAFLEX  
Tor- und Sicherheitssysteme  
GmbH & Co. KG  
Fliederstraße 14  
84079 Bruckberg / Germany  
Telephone +49 8765 82-0  
[www.efaflex.com](http://www.efaflex.com)  
[info@efaflex.com](mailto:info@efaflex.com)

EFAFLEX® is a registered and legally  
protected trademark.

Subject to technical changes. Some  
diagrams depict special features.

Overall design:

[www.creativconcept.de](http://www.creativconcept.de) 09 | 2024

**EFAFLEX**   
*safe high-speed doors*