

*High-speed door for  
modern parking systems*

**EFA-SST®-PS**



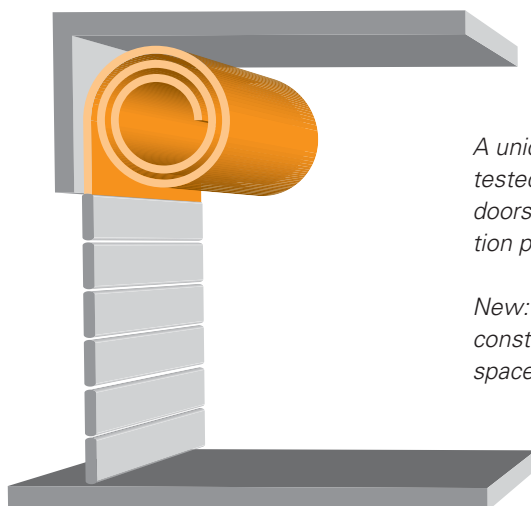
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**EFAFLEX**   
*safe high-speed doors*

# The fastest parking system door in the world

Uniquely fast, secure and reliable – one more characteristic is now going to be added to the known features of EFAFLEX high-speed doors. Once again, our engineers have scored a real coup: They developed the EFA-SST®-PS, a space-saving door particularly suited for parking and garage systems. The new construction can be installed even under minimal space conditions in the lintel or side frame.

The EFAFLEX spiral is still an ingenious construction principle. However, in comparison to common spiral doors, the space requirement was significantly reduced by using a compact spiral construction which has been patented several times. The smaller laths (height of 105 mm) also mean that the door can be installed in tight spaces in the lintel.



*A unique construction: the tried and tested spiral for our high-speed spiral doors. EFAFLEX patented this construction principle worldwide.*

*New: The EFA-SST®-PS features a spiral construction that significantly reduces the space requirements in the lintel.*

## EFA-SST®-PS at a glance:

- at least 200,000 work cycles a year
- opening speeds of up to 1.8 m/s
- burglar-proof external building door
- extremely space-saving construction
- high safety standards



*A quantum leap in spiral door construction. While other doors cannot be installed in low head-room applications, due to an obstruction caused by a concrete beam or sprinkler system, the EFA-SST®-PS scores, due to its innovative design.*

# Safety at the highest level

## A complete new perspective for the protection of property

The burglar-proof external building door opens in mere seconds and closes immediately after the car has passed the door. The EFA-SST®-PS thus prevents unauthorised access and unauthorised cars may not gain entry to the building. Fast and secure doors contribute to safe entries and exits of (underground) car parks of hotels, banks, agencies and other public institutions in particular. In conjunction with an ingenious entry-control system (e.g. by magnetic card reader) and combined video surveillance, only authorized cars are permitted to enter. The entry-control systems communicate constantly with the intelligent microprocessor control and transfer the data to the central main computers, which can trigger alarms in case of emergencies.

**The EFA-SST®-PS combines extreme speed, high safety, efficiency and aesthetics to form an intelligent and future-oriented solution.**



*A door that opens incomparably fast and closes immediately thereafter increases safety in sensitive areas.*

## For new dimensions of durability

One's own ambitions are the strongest drive for outstanding performance: Common garage doors are calculated to go through approximately 5 opening cycles a day, but the EFA-SST®-PS is dimensioned for 200,000 work cycles a year. That's why no other door can be compared to the EFA-FLEX doors concerning durability and capacity. Due to the slender laths, the parking system door is also very solidly constructed and guarantees a higher wind load capacity than any other high-speed door. Of course, EFA-FLEX guarantees the highest operating safety even after years of continuous use.

## A new generation of smooth running

Despite the incredibly high speed of more than 1.8 m/s, the door system EFA-SST®-PS runs extremely smoothly. Therefore, the door may be used even in close vicinity of living areas. The laths are guided along each other without contact, so that they are not scratched. This means high wear and tear resistance.



*Potential operation site: Frank O. Gehry apartment complex in Düsseldorf.*



*The EFA-SST®-PS is available with a dimension of 4 x 4 m and is made for large car parks and modern parking systems, in which the car is transported away.*

## No compromise: safety for man and car

Safety is an integral part of EFAFLEX's company philosophy. We apply higher standards than others and demand the most of ourselves. Therefore, the EFA-SST®-PS has a contact strip on the bottom lath as well as an additional safety light barrier in the closing area of the door as standard. You may also combine it with the TÜV tested EFA-TLG®, which detects obstacles in the closing area early and identifies them without contact. Moreover, the EFA-SST®-PS has springs, which enables a comfortable, secure and easy manual emergency opening by means of a lever. EFAFLEX – surely the right decision!

## Fully automatic control

The comfort of a product is always also a question of quality and luxury. This is, of course, also the case when it comes to doors. EFA-SST®-PS is equipped with an electronic control, so that the door may be operated automatically and be opened and closed with different remote programmes. Traffic lights and barrier systems can be integrated into the control to enhance traffic regulation.



*If required, variable transparent laths or panels with perforated sheet metal inserts (ventilation laths) are available. In the stainless steel version, the EFA-SST®-PS is also ideally suited for car washes.*

## Technical Data

**EFA-SST®-PS**

Application	Interior door	•
	Lock-up doors	•
Operating forces/safe opening	According to DIN EN 13241-1	fulfilled
Direct airborne sound insulation $R_w^*$	in dB according to DIN EN 717-1	23
Wind load max.*	According to DIN EN 12424 class	class 4
Door size (in mm)	Width W max.	4,000
	Height H max.	4,000
Maximum door blade speed*	in m/s	2.0
Average speed, ca. *	Opening in m/s	1.8
	Closing in m/s	0.5
	Closing in m/s, with EFA-TLG® door light-line grid	1.0
Door blade guidance	Round Spiral	•
Operating direction of the door		vertically
Steel design	Galvanized sheet steel frame	•
	Stainless steel	o
	Powder coated in RAL colours	o
Door blade	Double wall, from aluminium, anodised in E6/EV1	•
	Transparent lath, single pane	o
	Ventilation laths	o
	Powder-coated according to RAL	o
Fire class	Building Material class DIN 4102	B2
Weight balancing by		Spring
Designed for approx ... Load cycles per year		200,000
Control	EFA-CON®	•
	MCP2 with BUS technology	o
	Frequency converter	•
	Main switch and foil keypad	•
Lead	Electricity connection	230V/50Hz
	Circuit breaker	16A(K)
Emergency opening	Automatically after manual activation	•
	Manual activation	–
Safety devices	EFA-TLG® door light-line grid in door closing line	o
	Contact edge	•
	Light barrier	•
	Approach area monitoring	o
	Light grid, external	o
Activators	Connection of all common activators possible	•

• Standard, o upon request, – Not available, \* Depending on door blade, door blade guidance and door size, we reserve the right to make technical alterations!

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