Car parks

Reliable property protection and high closing speeds

EFAFLEX
safe high-speed doors

Car parks

Car parks can represent a sensitive transition in the building envelope. High closing speeds, a burglary-proof design and a service life designed for a high number of daily load cycles are the minimum requirements for a reliable parking garage door. High-speed doors for parking systems from EFAFLEX prevent unauthorised access, open and close within a few seconds and impress with their durability and stability.

In addition, parking garage doors from EFAFLEX have a number of special equipment options such as an insulated door leaf with thermal insulation and visually matching pedestrian doors next to the actual door. Thanks to the space-saving design, they can also be installed in confined spaces.

Individual solutions for the parking sector.

High-speed spiral door EFA-SST®

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High-speed spiral door EFA-SST® PS

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High-speed spiral door EFA-SST®

Page 6

For more information about our solutions for the parking sector visit:
www.efaflex.com/car-parks

YOUR ADVANTAGES AT A GLANCE:

- Long service life with up to 250,000 working cycles per year
- Burglary-proof design
- Optionally insulated door leaves for thermal insulation
- Door laths can be matched to the facade colour
- Wide range of pulse generators
- Fast service response times

High-speed turbo door EFA-STT®

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High-speed spiral door EFA-SST® Efficient

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High-speed spiral door EFA-SST®

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Public

High-speed folding door EFA-SFT®

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EFA-SST®
AT A GLANCE:

- Max. heat insulation with EFA-THERM® laths
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes up to w=10,000 mm, h=12,000 mm

Spiral door technology in perfection. EFA-SST®

The EFA-SST® high-speed spiral door represents a modern generation of industrial doors: perfect insulation, energy-efficient functionality, state-of-the-art technology. During the technical redesign, particular attention was paid to improving the physical properties of the door leaf as well as optimising the functionality, thus once again raising the standard of EFAFLEX industrial doors.

The pioneer in spiral technology.
EFA-SST® Classic

Endlessly imitated – still unrivalled. The tried and tested basic concept for high-speed spiral doors from EFAFLEX remains unbeatable! The door leaf is not wound onto a shaft but rather kept at a distance in the EFAFLEX spiral to save space.

EFA-SST® CLASSIC AT A GLANCE:

- Aluminium laths double-walled
- Opening speed up to 2.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 250,000 operating cycles p.a.
- Standard sizes up to w=8,000 mm, h=7,000 mm

EFA-SST® EFFICIENT AT A GLANCE:

- Slim frame for cramped installation locations
- Chain drive ensures minimal maintenance costs
- Resistance Class 2 in accordance with DIN/TS 18194:2020 – RC 2
- Opening and closing speed up to 0.5 m/s
- Up to 150,000 operating cycles p.a.
- Tested and certified by ift Rosenheim
- Max. sizes w=4,000 mm, h=5,130 mm

The tailored safety solution.
EFA-SST® Efficient

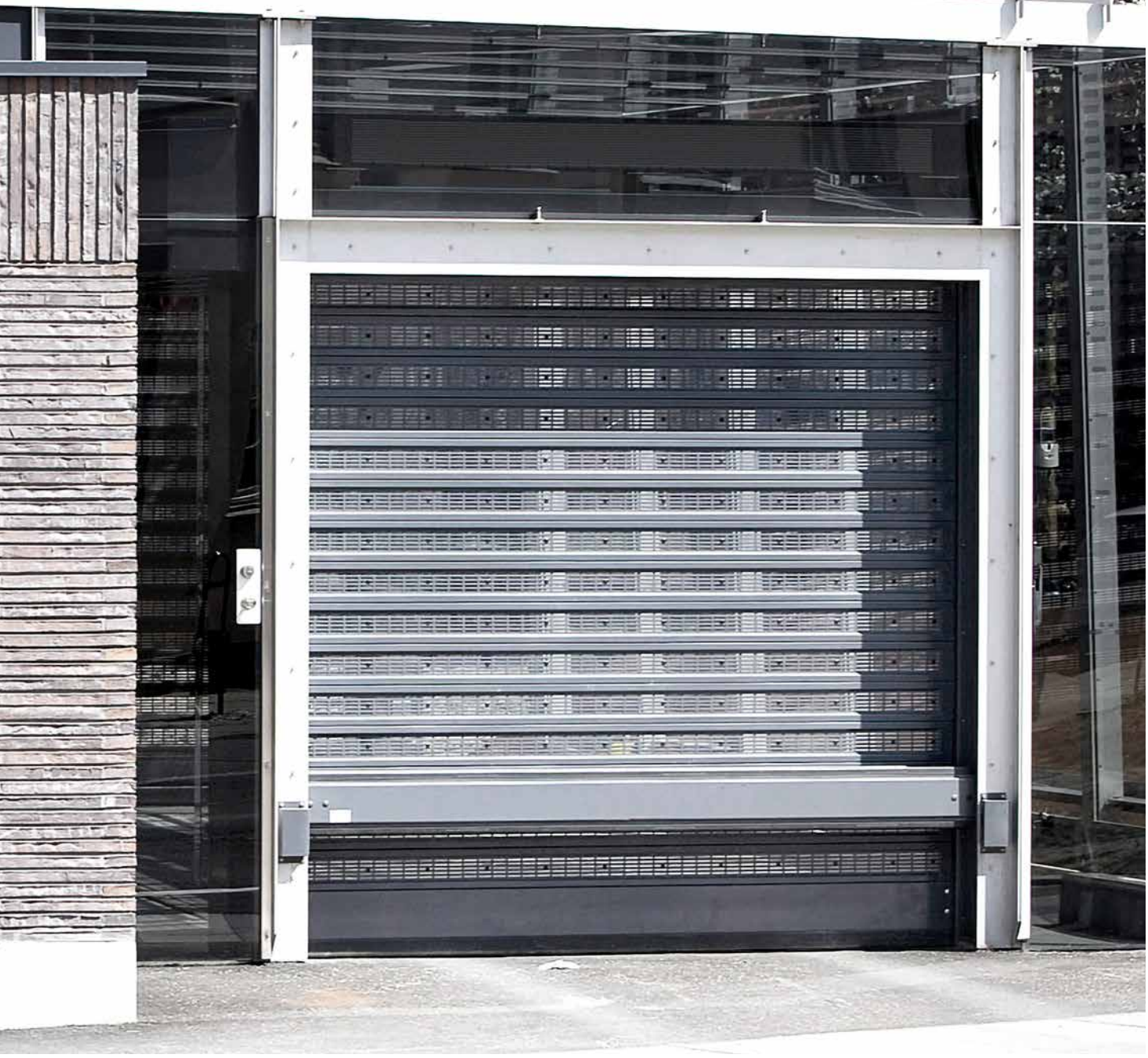
Cramped installation situations require a custom-fit solution which can be integrated into the on-site conditions. With the EFA- SST® Efficient high-speed spiral door, EFAFLEX offers a compact and springless door which can also be positioned in locations with confined installation space. The scope of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

The fastest parking garage door in the world. EFA-SST® PS

The EFA-SST® PS is a space-saving door specially developed for car park and garage systems and can be optimally installed even with minimal space in the lintel or side case area. In addition, it also features the typical properties of every EFAFLEX high-speed door: safe, reliable and incomparably fast.

EFA-SST® PS AT A GLANCE:

- Space-saving construction
- Opening speed up to 1.8 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Optionally with EFA-VENT® ventilation laths
- Up to 200,000 operating cycles p.a.
- Standard sizes up to w=6,100 mm, h=4,000 mm



EFA-STT®
AT A GLANCE:

- The door leaf consists at 70% of crystal clear acrylic glass
- Opening speed up to 3.0 m/s
- Closing speed up to 1.0 m/s
- Highest wind load capacity
- Top safety devices
- Up to 200,000 operating cycles p. a.
- Also available in low-header design
- Standard sizes up to w=8,000 mm, h=7,800 mm

The transparent turbo door. EFA-STT®

Thanks to laths made of crystal-clear acrylic glass, the door leaf of the EFA-STT® is over 70 percent transparent, which makes it a unique high-speed door worldwide: robust and yet almost completely transparent. The ability to see clearly through the door offers critical advantages at all passageways in your company which are passed through from two directions: Accidents are prevented and smooth transport operations are guaranteed.

The folding door for outside and inside. EFA-SFT®

The EFA-SFT® combines functionality and aesthetics. Due to the modular structure, it is easy to repair and low-maintenance. Particularly large doors are fitted with special floor stoppers, to additionally stabilise the closed wing in the middle area. If neccesary, the integration of pedestrian doors is also possible.

EFA-SFT®
AT A GLANCE:

- Fast, robust, economical
- Minimal space requirement
- Excellent price-performance ratio
- Opening speed up to 2.5 m/s
- Closing speed up to 1.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=5,250 mm, h=7,000 mm

Technical details
High-speed spiral doors

		Premium					EC
	Size	L	S	ÜS	XL	XXL	L
Application	Interior door	●	●	●	●	●	●
	Lock-up doors	●	●	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	2 – 4	2 – 4	2 – 4	0 – 2	2 – 4	2 – 4
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	erfüllt	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	3	3	3	3	1	3
Air permeability*	According to DIN EN 13241 class	3	3	3	3	3	3
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	24	25	26	26	26	24
U value maximum*	in W/m²K according to DIN EN 13241	1.52	0.91	0.66	0.66	0.54	1.52
Door size (in mm)	Width W max.	4,500	6,000	8,000	10,000	10,000	4,500
	Height H max.	5,000	6,000	8,000	6,600	12,000	5,000
Maximum door leaf speed*	in m/s	2.5	1.5	1.2	1.0	0.5	1.0
Guide of door leaf	Round Spiral	●	●	●	●	●	●
	Oval Spiral	●	●	–	–	–	●
	Low-header	–	–	–	–	–	●
Steel design	Galvanized sheet steel frame	●	●	●	●	●	●
	Stainless steel	○	○	–	–	–	○
	Powder coated in RAL colours	○	○	○	○	○	○
Door leaf	EFA-THERM® laths insulated/painted	●	●	●	●	●	●
	EFA-THERM® laths with double-walled viewing windows	–	–	–	–	–	–
	EFA-CLEAR® Vision laths double-walled, thermally separated	○	○	○	○	○	○
	EFA-CLEAR® Vision laths single-walled	○	○	–	–	–	○
	EFA-VENT® Ventilation laths	○	○	–	–	–	○
	EFA-ALUX® Aluminium laths	–	–	–	–	–	–
	Colour according to RAL (without vison panel)	○	○	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		250,000	250,000	250,000	150,000	100,000	200,000
Drive	Electric motor	●	●	●	●	●	●
Control	EFA-TRONIC®	●	●	–	–	○	●
	EFA-TRONIC® Light	–	–	–	–	–	–
	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)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		●	●	●	●	●	○
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	○/○	○/○	○/○	○/○	○/○	○/○
	EFA-3D-SCAN	○	○	○	○	○	○

● Standard, ○ upon request, – Not available, npd = No Performance Determined *Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alter

S Series

EFA-SST®

CO	Basic	Essential	Classic					Efficient	PS		
S	L	L	L	S	ÜS	L-N	S-N	L	PS-L	PS-N	PS-S
●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●
2 – 4	2 – 4	2 – 4	2 – 4	4	2 – 4	2 – 4	4	2 – 4	4	4	2
fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
3	3	2	0	0	0	npd	npd	2	2	–	2
3	3	0	2	2	2	npd	npd	0	1	–	1
25	24	20	23	25	25	23	25	20	23	23	23
0.91	1.52	1.67	5.8	5.6	5.6	5.8	5.7	1.7	6.5	6.6	6.5
6,000	4,500	4,500	4,000	6,000	8,000	4,000	6,000	4,000	4,000	4,000	6,100
6,000	5,000	5,000	5,000	7,000	7,000	4,000	5,000	5,130	4,000	4,000	4,000
0.9	0.5	0.5	2.0	2.0	1.5	1.5	1.5	–	2.0	1.5	1.5
●	●	●	●	●	●	–	–	●	●	–	●
●	●	–	●	●	●	–	–	–	–	–	–
●	–	–	–	–	–	●	●	–	–	●	–
●	●	●	●	●	●	●	●	●	●	●	●
○	○	–	○	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○	○	○
●	●	●	–	–	–	–	–	●	–	–	–
–	–	–	–	–	–	–	–	○	–	–	–
○	○	○	–	–	–	–	–	○	–	–	–
○	○	○	○	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○	○	○
–	–	–	●	●	●	○	○	–	●	○	●
○	○	○	○	○	○	○	○	○	○	–	○
B2	B2	B2	B2	B2	B2	B2	B2	B2	B2	B2	B2
Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring
200,000	100,000	100,000	250,000	250,000	250,000	150,000	150,000	150,000	200,000	200,000	200,000
●	●	●	●	●	●	●	●	●	●	●	●
●	○	○	●	●	–	●	●	●	●	●	●
–	●	●	–	–	–	–	–	–	–	–	–
○	○	○	○	○	●	○	○	○	○	○	○
●	●	○	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	–	●	●	●
○	–	–	○	○	○	○	○	●	○	○	○
16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)	16 A (K)
○	○	○	○	○	○	○	○	–	○	○	○
●	●	●	●	●	●	●	●	–	●	●	●
–	–	–	–	–	–	–	–	●	–	–	–
*	–	–	○	*	*	○	*	–	○	○	○
*	●	●	●	*	*	●	*	●	●	●	●
*	●	●	●	*	*	●	*	●	●	●	●
○	○	○	○	○	○	○	○	○	○	○	○
○	○	–	○	○	○	○	○	○	○	○	○
○/○	–	–	–/○	–/○	–/○	○	○	○/○	–/○	○	○/○
○	○	○	○	○	○	○	○	○	○	○	○

ations!

Technical details
High-speed spiral doors

		S Series			
		EFA-STT®			
	Size	L	S	ÜS	L-N
Application	Interior door	●	●	●	●
	Lock-up doors	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	3 – 4	2 – 4	2 – 4	3 – 4
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	0	0	0	0
Air permeability*	According to DIN EN 13241 class	2	2	2	0
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	20	20	20	20
U value maximum*	in W/m²K according to DIN EN 13241	6.5	6.37	6.28	6.5
Door size (in mm)	Width W max.	4,000	6,000	8,000	4,000
	Height H max.	5,000	6,000	7,800	5,000
Maximum door leaf speed*	in m/s	3.0	2.8	2.0	1.8
Average speed, approx.*	Opening in m/s	2.5	2.2	1.8	–
	Closing in m/s	0.75	0.6	0.6	–
	Closing by door light grid EFA-TLG® in m/s	1.0	0.6	0.6	–
Guide of door leaf	Round Spiral	●	●	●	–
	Low-header	–	–	–	●
Steel design	Galvanized sheet steel frame	●	●	●	●
	Stainless steel	○	○	–	○
	Powder coated in RAL colours	○	○	○	○
Door leaf	EFA-CLEAR® Vision laths single-walled	●	●	●	●
	EFA-VENT® Ventilation laths	○	○	○	○
	EFA-ALUX® Aluminium laths	–	–	–	○
	Vision panel single-walled / double-walled	●/–	●/–	●/–	●/–
	Non transparent infill single-walled / doublewalled	○/–	○/–	○/–	○/–
	Colour according to RAL (without vison panel)	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Weight balancing by		Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		200,000	200,000	200,000	120,000
Drive	Electric motor	●	●	●	●
Control	EFA-TRONIC®	●	●	–	●
	EFA-TRONIC® Professional	○	○	●	○
	Main switch and foil keypad	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		○	○	○	○
Emergency operation	Automatic after 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	○/○	○/○	○/○	○/○
	EFA-3D-SCAN	○	○	○	○

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

Technical details
High-speed folding doors

		F Series			
		EFA-SFT®			
		2-flg.	1-flg.	2-flg.	1-flg.
	Size	L	L	S	S
Application	Interior door	○	○	○	○
	Lock-up doors	●	●	●	●
Wind load max.*	According to DIN EN 12424 class	4	4	3	3
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	0	0	0	0
Air permeability*	According to DIN EN 13241 class	0	0	0	0
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	21	21	21	21
U value maximum*	in W/m²K according to DIN EN 13241	4.88	4.88	4.66	4.66
Door size (in mm)	Width W max.	3,750	1,750	5,250	3,000
	Height H max.	3,750	3,750	7,000	7,000
Maximum door leaf speed*	in m/s	2.0	2.5	2.0	2.5
Steel design	Galvanized sheet steel frame	●	●	●	●
	Stainless steel	–	–	–	–
	Powder coated in RAL colours	○	○	○	○
Door leaf	EFA-THERM® laths insulated / painted	–	–	–	–
	Vision panel single-walled / double / triple	●/○/–	●/○/–	●/○/–	●/○/–
	non transparent infill single-walled / double	○/○	○/○	○/○	○/○
	Colour according to RAL (without vison panel)	○	○	○	○
	Door leaf modules made of anodized aluminium E6 / EV1	○	○	○	○
Fire class	Building Material class DIN 4102	B2	B2	B2	B2
Designed for approx ... operating cycles per year		150,000	150,000	150,000	150,000
Drive	Electric motor	●	●	●	●
Control	EFA-TRONIC®	●	●	●	●
	EFA-TRONIC® Light	–	–	–	–
	EFA-TRONIC® Professional	○	○	○	○
	Main switch and foil keypad	●	●	●	●
Lead	Electricity connection 230 V/50 Hz	●	●	●	●
	Circuit breaker	16 A (K)	16 A (K)	16 A (K)	16 A (K)
Manual locking		○	○	○	○
Emergency operation	Manual activation	●	●	●	●
Safety Devices	Contact edge	●	●	●	●
	Light barrier	●	●	●	●
	Approach area monitoring	○	○	○	○
	Light grid, external	○	○	○	○
Safety system including activator	EFA-SCAN® bollard	○	○	○	○
	EFA-3D-SCAN	–	–	–	–

● 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
info@efaflex.com

Overall design:
www.creativconcept.de 02 | 2025

EFAFLEX
safe high-speed doors