Beverage industry

Process reliability with maximum convenience

EFAFLEX
safe high-speed doors

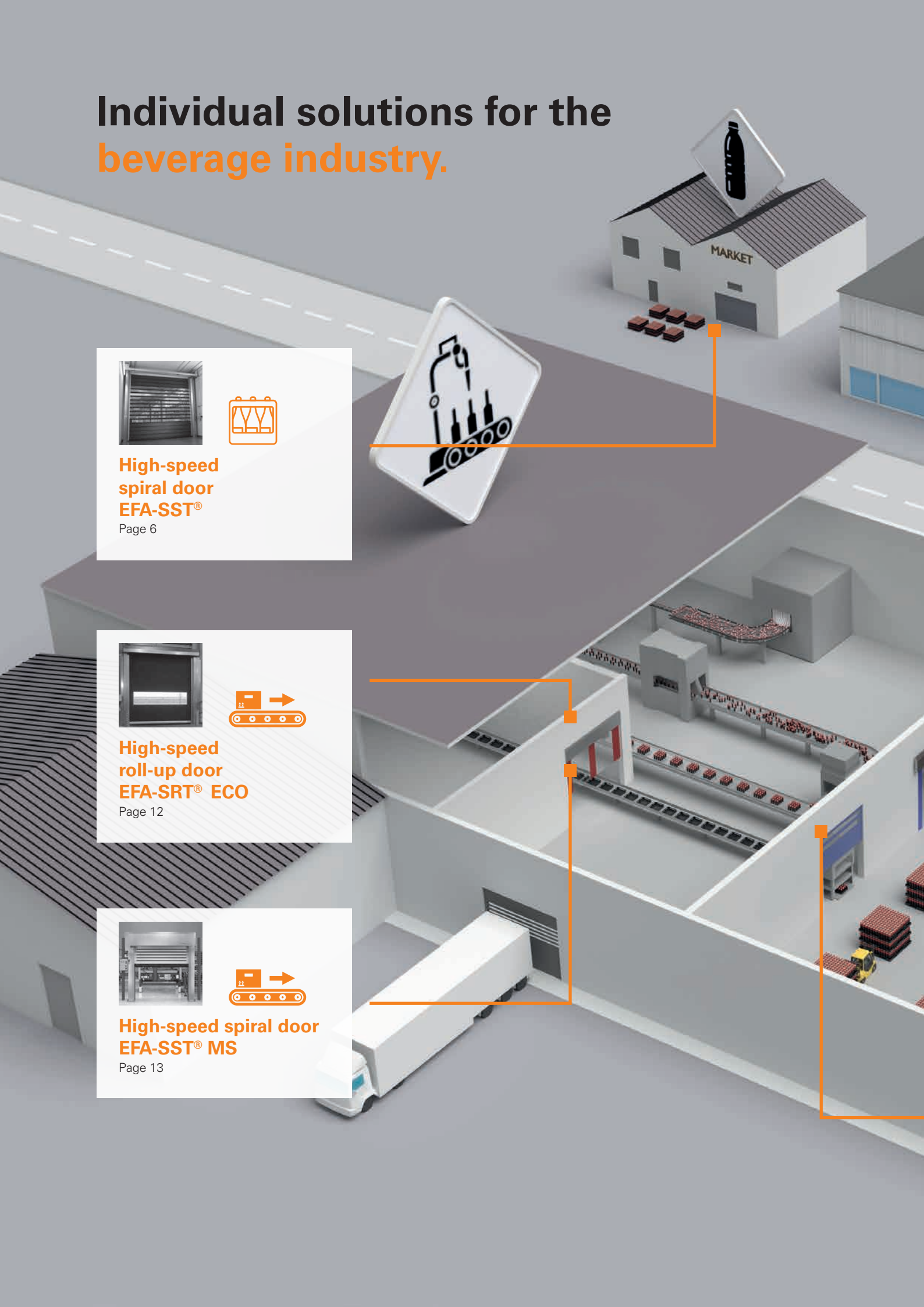

STOP

Beverage industry

High handling capacities, precise processes and short time-to-market are essential in the beverage industry. High-speed doors from EFAFLEX for the beverage industry impress with their combination of minimal running noise, excellent insulation and high opening and closing speeds. This improves and fast-tracks work processes. In addition smart forefield-control will significantly improve safety.

Short keep-open times ensure the constant temperatures in production and storage rooms, which are of the utmost importance in the beverage industry. In addition, special machine safety doors protect plant and people and are perfect for integration almost anywhere thanks to their space-saving, compact design.

Individual solutions for the beverage industry.



High-speed spiral door EFA-SST®
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High-speed roll-up door EFA-SRT® ECO
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High-speed spiral door EFA-SST® MS
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YOUR ADVANTAGES AT A GLANCE:

- Industry-specific door solutions for smooth beverage logistics
- Unique thermal insulation (U value) for constant temperatures
- Transparent laths for improved occupational safety
- Designed for more than 1 50,000 load cycles per year
- Opening times of up to 4 m/s and closing times of up to 1 m/s

High-speed spiral door EFA-SST® Classic

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High-speed turbo door EFA-STT®

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High-speed turbo roll-up door EFA-STR®

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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 of 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.

Everything revolves around. EFA-SST® Classic

Copied a thousand times, yet still unequalled. The tried and tested fundamental principle of EFAFLEX high-speed spiral doors remains unbeatable! The door blade is not rolled up on a shaft, but is guided into the EFAFLEX spiral instead, saving space and operating virtually wear free.

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 of up to w=8,000 mm, h=7,000 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 of 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 – this makes it a unique high-speed door worldwide: robust and yet almost completely see-through. The ability to see through the door offers advantages where two-way traffic occurs: Accidents are prevented and smooth transport operations are guaranteed.

The fastest vertically opening door. EFA-STR®

The high-speed turbo roll-up door EFA-STR® opens at an incredible speed of up to 4 m/s thanks to its spiral technology, making it our fastest vertically opening door. With the EFA-STR®, your logistic processes become faster and more efficient. The combination of a spiral door leaf support and flexible curtain ensures an optimal traffic flow.

EFA-STR®
AT A GLANCE:

- Opening speed up to 4.0 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=7,000 mm, h=6,000 mm

For more information about our solutions for the beverage industry visit:
www.efaflex.com/beverage-industry


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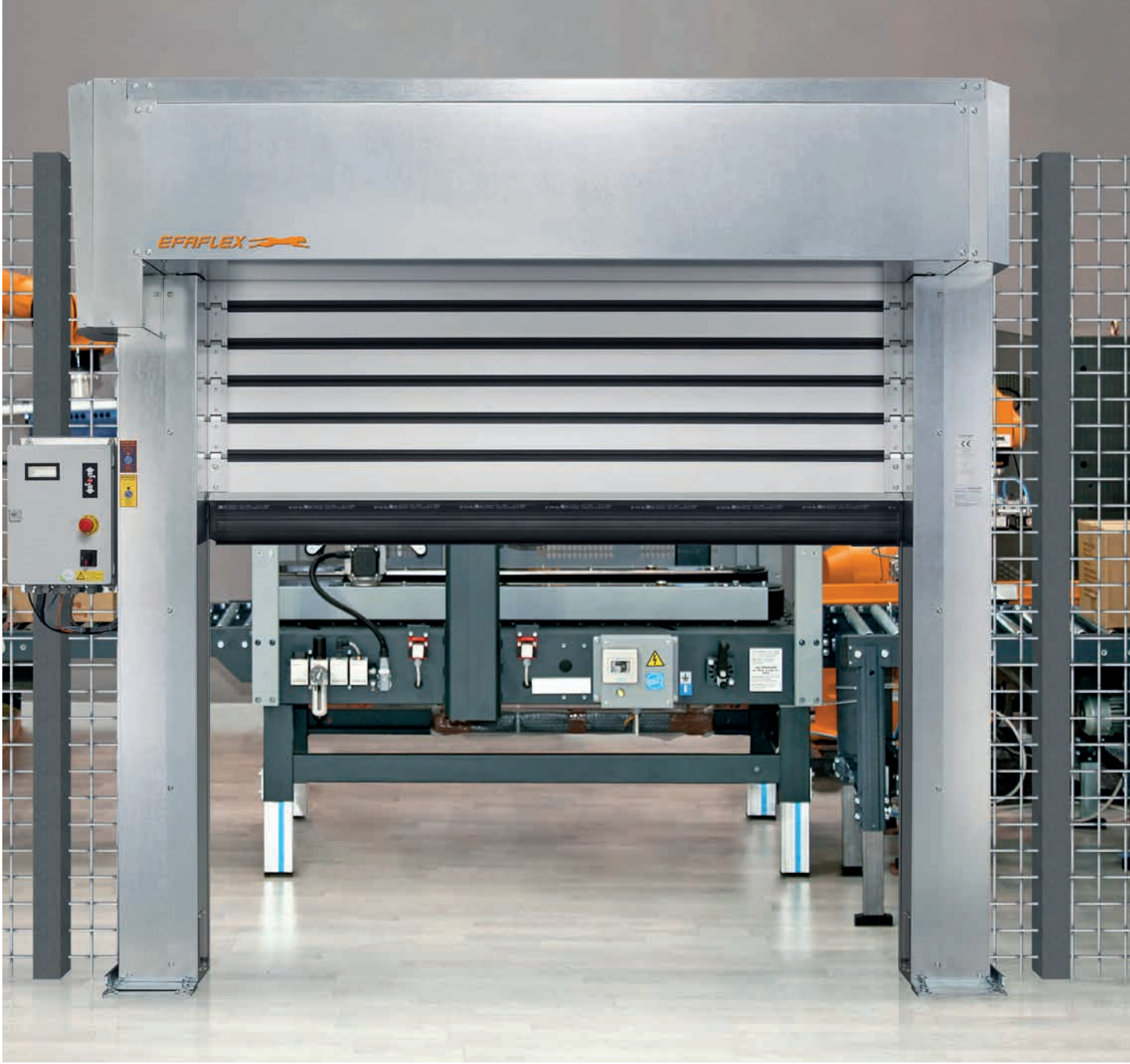
EFA-SRT® ECO AT A GLANCE:

- Ideal for material-handling technology
- Space-saving design
- Excellent price-performance ratio
- With optional crash protection
- Opening speed up to 2.0 m/s
- Closing speed up to 1.0 m/s
- Up to 150,000 operating cycles p.a.
- Standard sizes up to w=6,000 mm, h=7,000 mm

The economical interior door. EFA-SRT® ECO

The EFA-SRT® ECO roll-up door is an extremely economical door system. Special structural preparations are not necessary due to the space-saving design, for example, its very slim side door frames. Thus, the EFA-SRT® ECO can be applied in more situations than any other roll-up door.



Machine protection door for the industry.
EFA-SST® MS

The EFA-SST® MS high-speed spiral door has been specially developed for industrial applications, as stand-alone separating safety guard that fulfils all requirements for a safe and modern machine protection door. We are the only manufacturer of industrial doors to also implement our spiral technology and the flexible hinge chain for optimum performance in our machine protection doors.

EFA-SST® MS AT A GLANCE:

- Functional safety performance level »d«
- Opening speed up to 2.7 m/s
- Compact extruded aluminium laths
- Up to 250,000 cycles p.a.
- Maximum of 7 cycles per minute
- Life cycle of 12 years
- Standard sizes of up to w=3,000 mm, h=3,000 mm

Technical details
High-speed spiral doors

		Premium				
	Size	L	S	ÜS	XL	XXL
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
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled	erfüllt	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	3	3	3	3	1
Air permeability*	According to DIN EN 13241 class	3	3	3	3	3
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	24	25	26	26	26
U value maximum*	in W/m²K according to DIN EN 13241	1.52	0.91	0.66	0.66	0.54
Door size (in mm)	Width W max.	4,500	6,000	8,000	10,000	10,000
	Height H max.	5,000	6,000	8,000	6,600	12,000
Maximum door leaf speed*	in m/s	2.5	1.5	1.2	1.0	0.5
Average speed, approx.*	Opening in m/s	2	1.2	1	0.8	0.5
	Closing in m/s	–	0.6	–	–	–
	Closing by door light grid EFA-TLG® in m/s	1	1	0.8	0.4	0.3
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-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
Weight balancing by		Spring	Spring	Spring	Spring	Spring
Designed for approx ... operating cycles per year		250,000	250,000	250,000	150,000	100,000
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)
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, npd = No Performance Determined
*Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

S Series

EFA-SST®								
ECO		Basic	Essential	Classic				
L	S	L	L	L	S	ÜS	L-N	S-N
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
2 – 4	2 – 4	2 – 4	2 – 4	2 – 4	4	2 – 4	2 – 4	4
fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled	fulfilled
3	3	3	2	0	0	0	npd	npd
3	3	3	0	2	2	2	npd	npd
24	25	24	20	23	25	25	23	25
1.52	0.91	1.52	1.67	5.8	5.6	5.6	5.8	5.7
4,500	6,000	4,500	4,500	4,000	6,000	8,000	4,000	6,000
5,000	6,000	5,000	5,000	5,000	7,000	7,000	4,000	5,000
1.0	0.9	0.5	0.5	2.0	2.0	1.5	1.5	1.5
1	0.9	0.5	0.5	1.5	1.2	1	1.5	1.2
0.6	0.6	0.5	0.5	0.75	0.6	0.6	0.75	0.6
0.6	0.6	–	–	1	1	1	1	1
●	●	●	●	●	●	●	–	–
●	●	●	–	●	●	●	–	–
●	●	–	–	–	–	–	●	●
●	●	●	●	●	●	●	●	●
○	○	○	–	○	○	○	○	○
○	○	○	○	○	○	○	○	○
●	●	●	●	–	–	–	–	–
○	○	○	○	–	–	–	–	–
○	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○
–	–	–	–	●	●	●	○	○
○	○	○	○	○	○	○	○	○
B2	B2	B2	B2	B2	B2	B2	B2	B2
Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring	Spring
200,000	200,000	100,000	100,000	250,000	250,000	250,000	150,000	150,000
●	●	●	●	●	●	●	●	●
●	●	○	○	●	●	–	●	●
–	–	●	●	–	–	–	–	–
○	○	○	○	○	○	●	○	○
●	●	●	○	●	●	●	●	●
●	●	●	●	●	●	●	●	●
○	○	–	–	○	○	○	○	○
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)
○	○	○	○	○	○	○	○	○
●	●	●	●	●	●	●	●	●
○	*	–	–	○	*	*	○	*
●	*	●	●	●	*	*	●	*
●	*	●	●	●	*	*	●	*
○	○	○	○	○	○	○	○	○
○	○	○	–	○	○	○	○	○
○/○	○/○	–	–	–/○	–/○	–/○	○	○
○	○	○	○	○	○	○	○	○

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	1.5
	Closing in m/s	0.75	0.6	0.6	0.75
	Closing by door light grid EFA-TLG® in m/s	1.0	0.6	0.6	1.0
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!

S Series

EFA-STR®

	Size	L	S	S-N	L-N
Application	Interior door	●	●	●	●
	Lock-up doors	○	○	○	○
Wind load max.*	According to DIN EN 12424 class	2 – 3	2 – 3	2 – 3	2 – 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	npd	npd
Air permeability*	According to DIN EN 13241 class	1	1	npd	npd
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	12	12	12	12
U value maximum*	in W/m²K according to DIN EN 13241	6.1	5.95	6.0	6.1
Door size (in mm)	Width W max.	4,000	7,000	7,000	4,000
	Height H max.	5,000	6,000	5,000	5,000
Maximum door leaf speed*	in m/s	4.0	3.2	3.2	3.2
Average speed, approx.*	Opening in m/s	3.6	2.8	2.8	2.8
	Closing in m/s	0.75	0.75	0.75	0.75
	Closing by door light grid EFA-TLG® in m/s	1.0	1.0	1.0	1.0
Guide of door leaf	Round Spiral	●	●	–	–
	Low-header	–	–	●	●
Steel design	Galvanized sheet steel frame	●	●	●	●
	Stainless steel	○	○	○	○
	Powder coated in RAL colours	○	○	○	○
Door leaf	flexible fabric in different colours with/ 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	120,000	120,000
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)
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, , npd = No Performance Determined, ○ (*) Standard for W > 5,000 mm,
* Depending on door leaf, guide of door leaf and door size, we reserve the right to make technical alterations!

Technical details
High-speed roll-up doors

		R Series		
			EFA-SRT®	
		Premium	ECO	
	Size	L	L	S
Application	Interior door	●	●	●
Wind load max.*	According to DIN EN 12424 class	0 – 3	–	0 – 2
	resp. in km/h	–	18	18
Operating forces / safe closing	According to DIN EN 13241 class	fulfilled	fulfilled	fulfilled
Resistence against water ingress*	According to DIN EN 13241 class	npd	npd	0
Air permeability*	According to DIN EN 13241 class	npd	npd	1
Direct airborne sound insulation R_W*	in dB according to DIN EN 717-1	12	11	11
Door size (in mm)	Width W max.	5,000	4,000	6,000
	Height H max.	5,500	4,000	7,000
Maximum door leaf speed*	in m/s	2.6	2.0	2.0
Average speed, approx.*	Opening in m/s	2.0	1.5	1.5
	Closing in m/s	0.75	0.75	0.6
	Closing by door light grid EFA-TLG® in m/s	1.0	1.0	1.0
Steel design	Galvanized sheet steel frame	●	●	●
	Stainless steel	○	○	○
	Powder coated in RAL colours	○	○	○
Door leaf	Door curtain made of flexible PVC, transparent with warning stripes in different colours	●	●	–
	flexible fabric in different colours with / without vison pane	○/○	○/○	○/●
Fire class	Building Material class DIN 4102	B2	B2	B2
Weight balancing by		Spring	Weight	Weight
Designed for approx ... operating cycles	per year	150,000	150,000	150,000
Collision protection	EFA-EAS®	○	○	–
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)
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 alterations!

Technical details
High-speed doors machine protection

		MS Series EFA-SST® MS
	Size	
Application	According to DIN EN 12424 class	●
Wind load max.*	According to DIN EN 13241 class	4
Operating forces/ safe closing	According to DIN EN 13241 class	fulfilled
Air permeability*	in dB according to DIN EN 717-1	0
Direct airborne sound insulation R_W*	in dB nach DIN EN 717-1	23
Door size (in mm)	Width W max.	3,000
	Height H max.	3,000
Maximum door leaf speed*	in m/s	2.7
Guide of door leaf	Round Spiral	●
Average speed, approx.*	Opening in m/s	2.2
	Closing in m/s	0.6
	Closing by door light grid EFA-TLG® in m/s	–
Design	Galvanized sheet steel frame	●
	Powder coated in RAL colours	○
	Door frames aluminium anodised	–
Door leaf	EFA-CLEAR® Vision laths single-walled	○
	EFA-VENT® Ventilation laths	○
	EFA-ALUX® Aluminium laths	●
	Colour according to RAL (without vison panel)	○
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	–
	flexible fabric in different colours with / without vison panel	–
Fire class	Building Material class DIN 4102	B2
	Building Material class SE DIN EN ISO 340	–
Weight balancing by		Spring
Designed for approx ... operating cycles per year		250,000
Drive	Electric motor	●
Control	EFA-TRONIC® Professional MS	●
	EFA-TRONIC®	○
	EFA-ProfiNetSafe®	○
Lead	Electricity connection 230 V/50 Hz	○
	Electricity connection 400 V/50 Hz	●
	Circuit breaker	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	●
	Light grid, external	○ HSO

● Standard, ○ upon request, – Not available, HSO = Head Safe Option,
* 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

EFAFLEX® is a registered and legally protected trademark.
Subject to technical changes. Some diagrams depict special features.
Overall design:
www.creativconcept.de 04 | 2025

EFAFLEX
safe high-speed doors