

## ■ STT-FSA high-speed turbo door: fire-protection door included

High-speed turbo doors from EFAFLEX are the ground-breaking high-speed doors. The possible uses of the tried-and-tested STT-FSA have now been increased by the integration of a fibershield fire-protection curtain. For the first time a high-speed turbo door has been combined with an automatic fire-protection system. The result is the fastest and most compact fire-protection door system on the world market. In standard operation you can benefit from all the advantages of the STT high-speed turbo door - in the event of fire from the fully integrated fibershield as a protection against fire, smoke and heat.





### ■ An extraordinary combination

The door curtain basically consists of clear acrylic glass laths with at least 70% visible surface. The door leaf is accommodated by the circular spiral. This design enables very high speeds; up to 3.0 m/sec depending on door size!

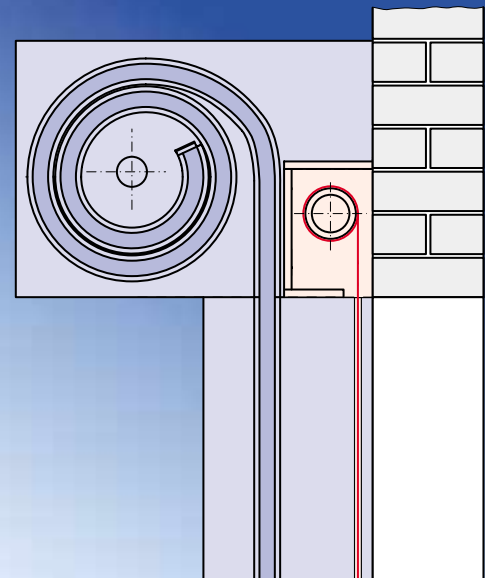
The fire protection is provided by the fibershield fire-protection curtain which is fully integrated into the door and acts as a seal. It complies with the fire-protection category E120 as per EN 1634-1 as well as the radiation resistance class EW30.

As the fire-protection curtain is already integrated into the door, no additional space is required; in particular the side opposite the door remains completely free.

The joint controller for both systems assures that the high-speed door opens automatically and the fire protection curtain closes even if there is a power failure.

### ■ Superb fire protection

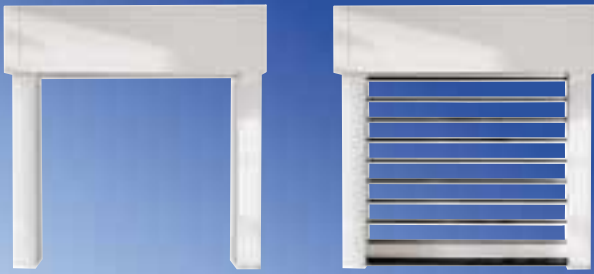
The automatic fire-protection fire curtain system "fibershield" provides effective and flexible protection against the spread of fire. It has proven its worth over one hundred times and is the ideal fire containing system for the high-speed turbo door. A specially reinforced and coated glass-fiber weave resists temperatures of up to 1,100 °C –the fact that it is installed flush with the wall means that it also seals off the spread of smoke at the same time. In comparison with non-insulating systems the fibershield reduces the resulting radiation of heat significantly.



### ■ optimum Solution

### ■ Maximum speed of movement

In contrast to external fire-protection solutions the STT-FSA high-speed turbo door with integrated fire-protection curtain is not impaired in its function. A tension spring that supports the motor acts against the weight of the door. This means that the door can be rapidly accelerated up to 3m/sec.



- Normal operation: STT open
- Normal operation: STT closed
- Emergency: STT open FSA closed

■ **The alternative fire protection**

While other combinations of fire-protection door and high-speed door partly entail considerable disadvantages, the STT-FSA is a safe and space-saving solution. Expensive additional fire-protection roll-up doors or horizontal doors closed by spring drums on the opposite wall side are a thing of the past.

■ **Door safety**

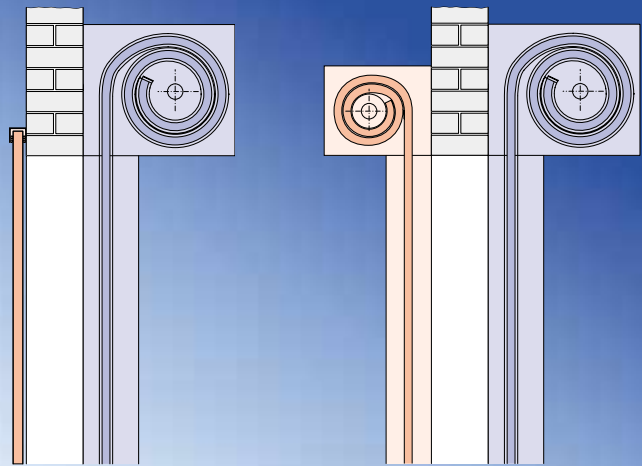
Fire protection and high-speed doors must fulfil a range of different requirements. The focus for high-speed doors is on speed and availability whilst at the same time ensuring protection of both persons and material.

Fire-protection doors must offer safety in the event of danger: Fire containment and smoke protection, heat radiation resistance and a static seal.

This is how the requirements and the prevailing standards are met:

A fascia strip is fitted as standard to the high-speed door which complies with EN 12445 and EN 12453.

In the event of fire it follows a routine that opens the high-speed door - even if there is a power failure and allows the fire-protection curtain to close.



■ **Space-consuming**

■ **Expensive solution**





### ■ Customer Advisory Service

Services is very important to EFAFLEX and will cover many points: Experienced specialists will visit the installation site, discuss with you the requirements and issue an individual door concept. Highly trained EFAFLEX engineers will install the door promptly and professionally. EFAFLEX customer service centres in your area offer service, prompt supply of spares and required inspections of power operated doors in accordance with the recommended maintenance agreement.

### ■ Design and Development

Many design features – most of them patented – are integrated into the outstanding EFAFLEX developments. They are the result of many years of innovative engineering work by the company's development and design departments. The latest high-precision equipment is used for production. All steel parts, for example, are cut from sheet metal with computer-controlled laser and plasma arc cutting systems. CNC bending presses with 6M working edges and controls for all five axes are used to shape the sheet metal plates. High production quality is the consistent result. By professionals – for professionals.



### ■ Product Range

The product range comprises a wide spectrum of various industrial doors. Choose the optimum solution – EFAFLEX always offers you the perfect total configuration.

### ■ Warranty

Trust is good – highest production quality, conscientious final check and outstanding warranty is even better. Best of all, however, is an unlimited working cycle.



Further information is available on: [www.efaflex.com](http://www.efaflex.com)  
 or simply enquire by fax: +49-(0)87 65 / 82-100



**SST**  
High-Speed Spiral Door



**SST-ISO-K**  
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k value = 0.5 W/m<sup>2</sup>K



**STT**  
High-Speed Turbo Door



**STR**  
High-Speed Turbo  
Roll-Up Door



**SRT**  
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**SRT-EL**  
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