

HIGH-SPEED SPIRAL DOOR, Type “EFA-SST® Premium”

High-speed spiral door type **EFA-SST® Premium** with electromechanical high-performance door drive designed for the most demanding continuous industrial operation.

TECHNICAL FEATURES

- Self-supporting, galvanized steel frames with spiral door leaf guidance. Synchronous shaft for uniform force transmission. Ball-bearing precision roller assemblies ensure smooth and low-noise operation.
- **Door leaf:** Double-walled, thermally separated and insulated EFA-THERM® panels, mounted in hinge bands and moving in a vertical direction (upwards/downwards). Surface finish with a two-coat paint system similar to RAL 9006 (white aluminum).
- **Spiral body:** Completely contact-free panel guidance for wear-free and low-noise operation.
- Opening speed up to **2.0 m/s**; closing speed up to **1.0 m/s**.
- **EFA-TRONIC®** control system with integrated frequency inverter in plastic control cabinet (IP65). Power supply 230 V / 400 V, 50 Hz (to be provided on site).

PERFORMANCE VALUES (DEPENDING ON EQUIPMENT)

- Resistance Wind load: DIN EN 12424, up to Class 4
- Sound insulation: DIN EN ISO 717-1, up to 26 dB(A)
- Thermal insulation: DIN EN 12428, up to 0.7 W/m²K

DIMENSIONS OF THE CLEAR OPENING

Width = mm

Height = mm

OPTIONS for High-Speed Spiral Door “EFA-SST® Premium”

Surface Finish

- Powder coating of all galvanized steel components in one color according to **RAL** _____
(Metallic colors are not available.)
- Special paint finish of the panels in one color according to **RAL** _____

If both the steel components and the panel elements are coated in the same RAL color, slight color variations may occur due to the different surface structures. Such variations cannot be completely excluded. However, the supplier shall take all possible measures, particularly by adjusting the gloss level, to keep color deviations to an absolute minimum.

Transparency

- Additional charge for **EFA-CLEAR aluminum vision panels** with fully transparent, double-walled and thermally separated vision panels made of acrylic glass.

Alternatively:

- Additional charge for **EFA-CLEAR aluminum vision panels** with fully transparent, single-wall vision panels made of acrylic glass.

Fixed Side Element

- Additional charge for a **side fixed element** consisting of:
 - Integrated **pedestrian door**, DIN (arranged on the left or right side of the door), including lock and handle set
(lock cylinder to be provided on site)
Maximum clear passage dimensions: **W = 1500 mm, H = 2500 mm**
 - **Cladding fixed element above**, including the required frame construction, largely matching the visual appearance of the door leaf
Overall size approx.: **W = ____ mm, H = ____ mm**

Options:

- Panic exit device for pedestrian door
- Overhead door closer
- Lock cylinder with **3 keys**

Manufacturer: EFAFLEX Tor- und Sicherheitssystem GmbH & Co. KG | www.efaflex.com

Stand 04/2025 – Subject to technical changes

Crash Version

- Door system equipped with “**ACS-DS**” (**Active Crash System**), featuring hinge bands connected in detachable sections up to 900 mm. Power transmission via direct synchronous drive and two linearly moving piston levers.
- Crash detection by inductive proximity sensors installed on both sides within the bottom profile.

Reactivation of the door optionally via:

- Fully automatic reset (standard)
- Manual reset via membrane keypad or key switch (option)

IF REQUIRED

- Version with space-saving **oval spiral**
- Automatic intermediate stop at height **H = _____ mm**

08/08 Subject to technical modifications