

HIGH SPEED SPIRAL DOOR, type „EFA-SST®- L Efficient“

Manufacture, delivery and installation of

High-speed spiral door, type „EFA-SST®-Efficient“, with electro-mechanical high-performance door drive for heaviest, permanent industrial application.

The door system mainly consists of:

Self-supporting and extremely compact lateral steel frames; steel parts generally galvanized, spiral-shaped door guidance. The load is transmitted on both sides by robust chains. For achieving this, a synchronous shaft will be installed. For the exact, smooth and low-noise guidance of the hinge straps, ball-bearing precision rolling units must be used.

Door leaf made of double-walled, thermally separated and insulated EFA-THERM® laths, which are fixed onto hinge straps and moved vertically (i.e. up or down), surface as 2-layer coating similar to RAL 9006 (white aluminium).

This SPIRAL BODY is designed to guide the laths of the door leaf completely without contact and thus without wear and with best possible noise reduction.

The DOOR is driven by a worm gear with motor with gear break protection which has to be developed as high-frequency motor. The positions of the door are permanently detected by means of non-wearing, inductive proximity switches, with the limits being determined electronically. Electromechanical limit switches are not permitted for this.

Mechanical emergency opening of the door system using a hand crank

OPENING SPEED: approx. 0.5 m/s

CLOSING SPEED: approx. 0.5 m/s

The **MICROPROCESSOR CONTROL** is installed together with the integrated frequency converter in a separate plastic switch cabinet, protection type IP 65. Connection to 400 V / 50 Hz power supply on-site.

Regulations acc. to DIN EN 13241 are met;
Thermal insulation acc. to DIN EN 12428 up to 1,7 W/m²K
Resistance to wind load acc. to DIN EN 12424 up to class 4
Airborne sound insulation acc. to DIN EN 7171 up to 20 dB(A)
(Values depend on the door size and equipment)

Burglary class (only in connection with defined equipment)

The certification according to DIN V ENV 1627-1630:1999-04 by an independent institute enables the door system to be used in areas with requirements up to resistance class 2 (WK2) or RC2 acc. DIN/TS 18194:2020 / DIN EN 1627.

for clear opening dimensions

Width = mm x Height = mm

Manufacturer:

EFAFLEX Tor- und Sicherheitssysteme GmbH & Co. KG

www.efaflex.com

OPTIONS for spiral door “EFA-SST®-Efficient”

Surface

Powder coating of all galvanised steel parts in a colour according to RAL _____
(pearl, luminous and metallic colours not possible)

Special coating of the lath in a colour according to RAL _____

If steel parts as well as lath parts are coated in the same RAL colour, minor deviations in colour may occur which can not be fully avoided due to the different surface structures.

The supplier, however, will make the best possible efforts to keep deviations in colour as small as possible through influencing the degree of gloss.

Transparency

Surcharge for sight lath EFA CLEAR with fully transparent, double-walled and thermally separated windows made of acrylic glass.

Option:

Surcharge for sight lath EFA CLEAR with fully transparent, single-walled windows made of acrylic glass.

For both options available:

Surcharge for sight lath made of impact resistant polycarbonate with scratch-resistant coating

Fixed side element:

Surcharge for fixed lateral element consisting of:

Integrated pedestrian door, DIN (to the left and to the right of the door) with lock and set of door handles (on-site closing cylinder)

Clear passage max. B = 1,500 mm, H = 2,500 mm

Above-fixed cover element incl. required frame structure, similar to door leaf with a total size of ca. B = _____ mm, H = _____ mm

OPTIONS:

- Panic lock for pedestrian door
- Overhead door closer
- Locking cylinder with 3 keys

Burglar protection:

Surcharge for a mechanical LOCKING MECHANISM. Operated by an inside hand lever.

Automatic interim stop at a height of H = _____ mm