

High speed spiral Door, Type „EFA-SST® Alux Eco“

Manufacturing, delivery, and installation of:

EFAFLEX offers the high-speed spiral door type “**EFA-SST® Alux Eco**” for demanding industrial continuous operation. This door combines first-class performance with outstanding durability.

The **door system** consists of galvanized, self-supporting steel frames with a spiral door leaf reception. A dual-sided synchronous shaft ensures even force distribution. Precision ball-bearing rollers provide exact, smooth and quiet guidance of the hinge bands. A spring mechanism certified according to DIN EN 12064 balances the weight of the door leaf, allowing manual opening in case of a power failure.

The **door leaf** is made of double-walled, anodized aluminium laths, fastened in hinge bands and moved vertically. The surface features a two-layer coating in white aluminium (similar to RAL 9006).

The innovative **spiral body** of the door is designed so that the laths of the door leaf pass each other completely contact-free. This guarantees wear-free and quiet operation.

The **door drive** is powered by a high-performance high-frequency geared brake motor. Inductive proximity switches continuously and precisely detect the door positions, with the end positions determined electronically. Electromechanical limit switches are not permitted.

Opening speed:	up to approx. 1,3 m/sec.
Maximum door leaf speed:	up to approx. 1,5 m/sec. (depending on door size)
Closing speed:	up to approx. 1,0 m/sec.

The **EFA-TRONIC®** control system with integrated frequency converter is housed in a plastic control cabinet (protection class IP 65). Connection to the power supply is made with 230V or 400V at 50 Hz (provided by the customer).

The integrated TÜV-approved door line light grid (**EFA-TLG®**) ensures maximum safety. It is integrated into the side frames and creates a dense infrared light grid up to a height of 2,5 m. Obstacles are detected without contact, and the automatic closing movement is immediately stopped.

Regulations according to DIN EN 13241-1 are fulfilled;
Resistance to wind load according to DIN EN 12424 up to class 5 (+1050 Pa / -1050 Pa)
Air permeability according to DIN EN 12426 class 2
Airborne sound insulation according to DIN EN ISO 7171 up to 25 dB(A)
Thermal insulation according to DIN EN 12428 up to 5,7 W/m²K
(Values depend on door size and equipment)

for clear height:

Width = mm x Height = mm

Manufacturer's certificate:

EFAFLEX Tor- und Sicherheitssysteme GmbH & Co. KG
www.efaflex.com

05/2024 Technical changes reserved