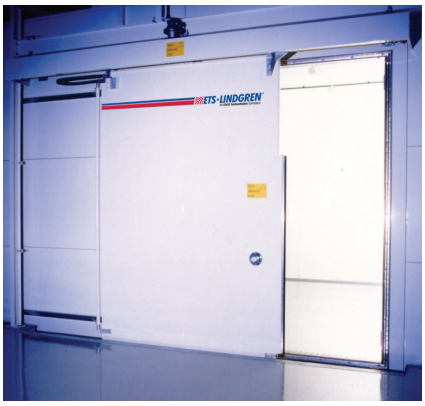
SHIELDING RFSD-100 SLIDING DOORS



RFSD-100

- **Patented Labyrinth Sealing Construction**
- **Up to 120 dB Shielding Effectiveness to 40 GHz and Beyond**
- **Easily Accommodates Long Absorber Elements**
- **Specially Designed for Additional Load of Ferrites (max. 50 kg/m² or 10.2 lbs/ft²)**
- **Light and Easy to Operate**
- **Ideal Metal-to-Metal Contact Between the Door Leaf and the Frame to Maximize RF Shielding Performance**

ETS-Lindgren's RFSD-100 Sliding Doors deliver superior RF shielding performance with a patented labyrinth sealing construction. This innovative design ensures smooth, effortless operation while providing optimal metal-to-metal contact between the door leaf and frame, maximizing RF shielding effectiveness. Additionally, the RFSD-100 accommodates ferrite and microwave absorber elements, seamlessly integrated into the door leaf for enhanced functionality.

The RFSD-100 is fully customizable, with frame and door units tailored to meet your specifications. Standard clear openings range from 800 mm to 2400 mm (31.50 in to 94.49 in) in width and 2000 mm to 2400 mm (82.68 in to 94.49 in) in height, with maximum dimensions of 3 m x 3 m (9.84 ft x 9.84 ft). For larger applications, standard SRFSD sliding door designs extend up to 6 m x 6 m (19.69 ft x 19.69 ft), with even larger custom sizes available to suit specific requirements.

Crafted with precision, the RFSD-100 door leaf is painted on both sides in a clean and durable white finish (standard color RAL 9010). For added versatility, sliding doors can be equipped with a lift system, providing flush-threshold access for wheeled products such as hospital patient beds or heavy-duty forklift trucks. Alternatively, a removable slope ramp can be used for easy entry.

Designed to combine functionality, durability, and superior RF shielding, the RFSD-100 Sliding Doors offer a robust solution for demanding environments while maintaining a sleek and modern aesthetic.

Technical Specifications

Electrical	
Magnetic	42 dB @ 1 kHz; 80 dB @ 10 kHz; 120 dB @ 5 MHz to 30 MHz
Electric	120 dB @ 1 kHz to 30 MHz
Planewave	120 dB @ 30 MHz to 1 GHz
Microwave	120 dB @ 1 to 40 GHz