

FEATURES:

- Patented hinges allow opening and closing movement of the door to be parallel with the door frame.
- Ball bearings in the opening and closing mechanisms provide smooth operation and reduce effort.
- Cam followers provide a tight RF seal when the door is closed.
- Flexible design that allows for installation into most shielded enclosures.
- Low maintenance fingerstock is easily maintained and replaced.



RFD-60 Door Front View and Fingerstock

ETS-Lindgren's RFD-60 Shielded Door is a lightweight, easy to operate, high performance RF door.

DESCRIPTION

The RFD-60 door features a proven Recessed Contact Mechanism (RCM) and a four-point latching system for reliable shielding, exceptional performance, and easy maintenance.

FEATURES

Patented hinges allow the opening and closing movement of the door to be parallel with the door frame which reduces fingerstock wear and permits a normal circular arc when the door is open.

The door is latched and unlatched using a simple bar handle on either side of the door leaf. This action

raises and lowers an external double cam roller assembly. The mechanism is simple, effective, easy to use, and easy to maintain.

The cam-driven locking device features a multi-point latch operable from both sides of the door. On manual rotation of the lever handle, the mechanism draws the knife edge of the door into its final closing RF-tight position. Reliable contact is achieved by the precise insertion of the knife into the RCM receiving channel.

The RFD-60 Door's flexible design allows it to interface with a variety of access control and security systems. Locking hasps and magnetic locks may be incorporated, as well as

contact mechanisms for emergency power cut-off and fire detection closure systems. The door can also be equipped with a ramp for heavy equipment transportation.

APPLICATIONS

The RFD-60 Door is suitable for modular, welded, and pan-formed RF shielded enclosures. It has an inherent strength and rigidity and may be installed in new or existing enclosures.

When tested in accordance with the procedures of MIL-STD-285, NSA 65-6/NSA 94-106, ITSG-02/IEEE 299 or EN 50147-1, the RFD-60 door will exhibit shielding attenuation levels of 110 dB at frequencies up to 1 GHz and 100 dB up to 10 GHz.

STANDARD CONFIGURATION

The door consists of a frame and door for nominal clear opening with internal recessed hardware and two special hinges. The two standard door sizes are 0.9 meters x 2.1 meters (3 feet x 7 feet) and 1.2 meters x 2.1 meters (4 feet x 7 feet). The frame is constructed with a recessed channel into which two rows of beryllium copper fingerstock are clipped. The beryllium fingerstock is easily maintained and replaced with standard tools.

- Locking systems
- Microswitches

WARRANTY

ETS-Lindgren's standard warranty covers both parts and labor for a period of one year from the date of the door installation. Maintenance programs and extended warranties are also available.



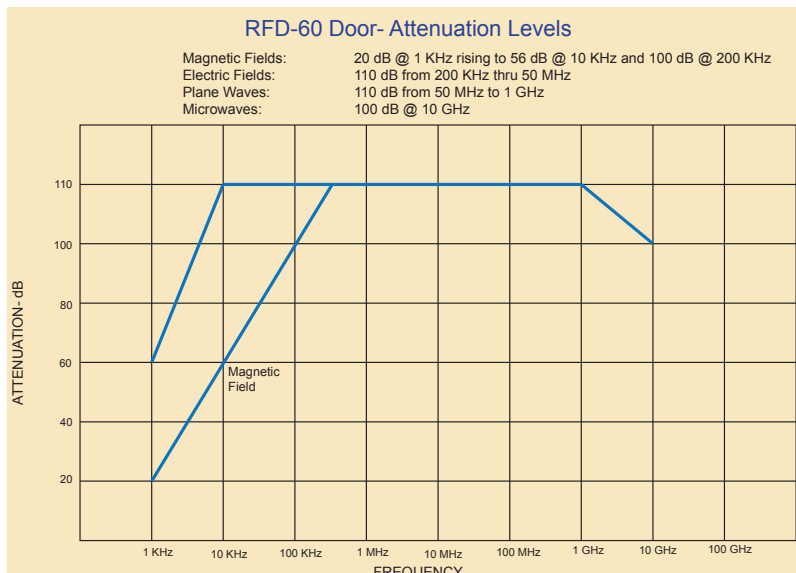
RFD-60 Door Inside Handle

OPTIONS

- Slope ramp in front
- Pneumatic operating system for lighter operation

Physical Specifications

	WIDTH	HEIGHT	WEIGHT
3' Door	0.9 m (3 ft)	2.1 m (7 ft)	192.8 kg (425 lbs)
4' Door	1.2 m (4 ft)	2.1 m (7 ft)	226.8 kg (500 lbs)



RFD-60 Door Locking Mechanism