October 2025

LOCKMASTERS®

RF Doors Just Got EASIER

LOCKMASTERS ODIB Est. 2004
The Original STC/RF Door-In-a-Box

One Easy Solution to Stop Sound & Radio Waves

Two Doors In One - STC & RF STC52/RF60D

Lockmasters' Original Door-in-a-Box (ODIB) Radio Frequency (RF) Door Shielding Performance provides a RF SEdB* 60 dB at 18GHz for Microwave when tested per IEEE-299** and MIL-STD 285 test standards.

Tested by Underwriters Laboratories (UL) and is certifid to resist fire for at least 90 minutes.

Patent Pending

RF Doors Just Got EASIER

Two Doors In One - STC & RF STC52/RF60D

Lockmasters' Original Door-in-a-Box (ODIB) Radio Frequency (RF) Door Shielding Performance provides a RF SEdB* greater than 60 dB up to 18GHz for Microwave when tested per IEEE-299** and MIL-STD 285 test standards.

What is the Purpose of RF Shielding?

To reduce levels of electromagnetic emissions, specifically to protect sensitive information. Electromagnetic emissions include radio waves, gamma-rays, visible light and all the other parts of the electromagnetic spectrum.

What is a RF Shielded Enclosure?

It is a system comprised of connected components (doors, windows, electrical RF filters for signal and power lines, and mechanical penetrations for water, HVAC air vents, and fire protection sprinkles), that when correctly integrated provides a barrier that reduces a RF noise source.

Requirements to Achieve a RF Shielded Enclosure or a "Faraday Cage"?

In order to achieve optimal SEdB levels it is imperative the encloser (SCIF) is designed with appropriate conductive materials, that when bonded together achieve a six sided box (walls, ceiling, floor including the door).

RF Shielding Level is Only as Good as the Weakest Component in the System.

The proper installation of an RF door is paramount in maintaining the proper level of SEdB of a RF Shielded Enclosure (SCIF). ***Please NOTE: To maintain that standard Lockmasters strongly recommends using an installation company that has been certified in our RF Door Installation Certification class.***

Who Benefits

- **SCIFs/SAPFs**
- **Government Facilities**
- **Data Centers & IT Rooms**
- **Hospital**
- **Research Laboratories**
- **Universities**
- **Casinos & Money Rooms**
- **Office Buildings**

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*The reduction of the noise source provided by RF shielding is expressed in dB (decibels), and is referred to as Shielding Effectiveness (SEdB).

**IEEE - (Institute of Electrical and Electronics Engineers), which is the standard method of measuring the effectiveness testing at frequencies from 9 kHz to 18 GHz

*** Faraday Cage - A conductive enclosure that protects the inside from electromagnetic radiation (EM) and static electrical charge. Faraday cages are used to protect devices like cell phones, tablets, laptops, and communications equipment.

Introducing Lockmasters' NEW
STC/RF Door In-A-Box!

Product Overview

Overly Sound Transmission Class (STC) 52
- STC52 exceeds STC50 at the same price with quicker lead time

Third party tested RF/STC Door according to:
- IEEE-299 from 1.0 kHz to 18+ GHz
- MIL-STD 285

RF tested with FF-L-2890C LKM10K lockset

RF attenuation rating of 60db at 18GHz

Split-Frame for easy installation

Compression Seals for sound and radio frequency

UL Fire Rated for 90 Minutes
- In accordance with UL 10C, File R3677, R2114

Door Sizes:

Single doors 3070, 3080, 4070, 4080

Double doors - available

Advantages

Easy Installation

Split frame construction for multiple wall thicknesses

Cam-lift hinges - better clearance for door bottom

Compression Seals

Super H Door Bottom

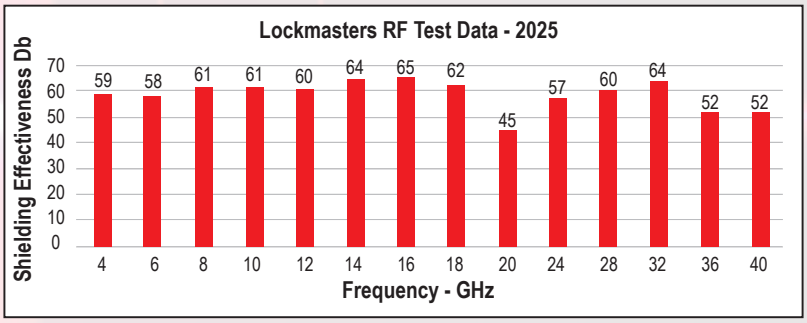
Request a Quote

Visit www.https://www.lockmasters.com/doorquote
email doors@lockmasters.com

ODIB STC/RF Specs and Lead Times

	STC52/RF 60db
Door Core	Internal Sound Retardant Core: no lead or asbestos
Door Thickness	1-3/4"
Seals	Perimeter
Door Bottom	Super H Full Mortise Adjustable
Hinges	Cam-lift, Tamper proof, Full mortise, 500 lbs
Standard Sizes	Single Door - 3070 & 3080 (STC55 not available in 3080) Double Door - 6070 & 6080 with Astragal
LEAD TIME	4 - 6 Weeks

STC55/RF 60db AVAILABLE



Full STC52 assembly test, independent test facility - January 2025

Tested by Underwriters Laboratories (UL) and is certified to resist fire for at least 90 minutes.

In accordance with UL 10C, File R3677, R2114

NEW! RF Door Installation Certification Class

This two day course will teach you the proper method to install our RF(Radio Frequency) or STC/RF doors. These specialty doors require precise installation to ensure the highest level of SEdB (Shielding Effectiveness Decibels) are maintained for the SCIF. Lockmasters' has developed a method to utilize our existing Overly Door Manufacturing STC door and seals so the installation if very similar to our current STC Acoustical Door Install, however there is a process for "grounding" the door.

This course will review the proper methods of installing RF shielding. The hands-on portion of the class will be the complete installation of a single in-swing or outswing door. To make the doors completely operational we will connect the door closers and the access control system into SCIF locks such as LKM10K series locks.

Email education@lockmasters.com for information or call 866.574.8724 to enroll

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