

# FARADAY CAGE DOORS

EMI/RFI/EMP-shielded doors for use in Faraday cages and EMI/RFI shielded rooms



Designing and manufacturing standard and custom EMI/RFI-shielded doors for EMI/RFI-shielded rooms and Faraday cages. High performance single and double knife fingerstrip doors in sliding, swinging and even double swinging implementations are some of the many possibilities. Our engineers will be happy to help you find the best solution possible.

We also produce sets to shield doors with gaskets at the top and sides, while the bottom can be provided with a electrically conductive copper brush and doorstep.

Virtually every type of door can be provided in a swinging or sliding implementation.

## OPTIONS

- Fireproof
- Automatic closing
- Gas tight
- (Automatic) locking system
- Soundproof
- Clean room specifications

## TYPES

- HDFD : Heavy duty fingerstrip door
- FDWSF : Fingerstrip door with soldered fingers
- FDWCF : Fingerstrip door with clamped fingers
- SPD : Standard performance door
- SMD : Standard modified door

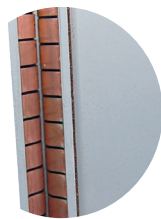
## EMI/RFI-SHIELDED SLIDING DOORS

The fully automatic EMI/EMP/RFI-shielded sliding doors are designed for RF and EMP-tight enclosures. They can be integrated in EMI/RFI-shielded rooms and are also suitable for other types of shielding.

There are two steps involved in opening the sliding door: Unlatching of the contact-spring system and outward movement; Sideways movement of the door leaf. The movements of the door and ramp is fully automated; they are operated electrically and pneumatically. Each opening and closing of the door has a self-cleaning effect on the contact surfaces (fingerstrips and knife of the door). Sizes range from 1 x 2.1 meters to a 'jumbo-sized' door of 8 x 12 meters.

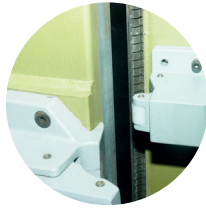
## TYPES

- Single fingerstrip door (fingerstrip door with soldered or clamped fingers)
- Double fingerstrip door (heavy-duty fingerstrip door)
- Standard modified door with gaskets (copper-plated wooden door, with copper brush and copper doorstep)





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### SWINGING DOORS

The fingerstrip swinging doors are well known for their high shielding performance and are used in prefab cages as well as in our Mu-Copper systems.

We manufacture single fingerstrip doors for medium shielding performance and double fingerstrip doors for high shielding performance (reductions up to 140 dB). Delivery from stock is possible in various dimensions. In EMC applications, ferrite tiles can be affixed to the standard door leaf.

To achieve the various attenuation levels required, we have several types of swinging door in our assortment.

### TYPES

- Single fingerstrip door (fingerstrip door with soldered or clamped fingers)
- Standard performance door for hospital use
- Standard modified door (copper-plated wooden door, with copper brush and copper doorstep)

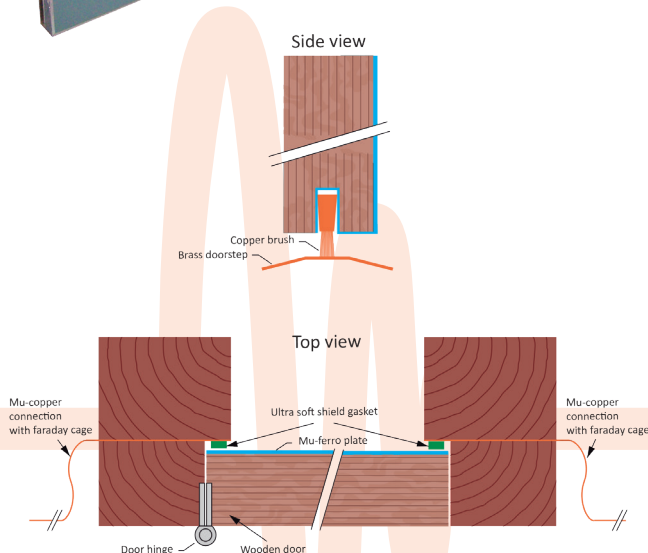
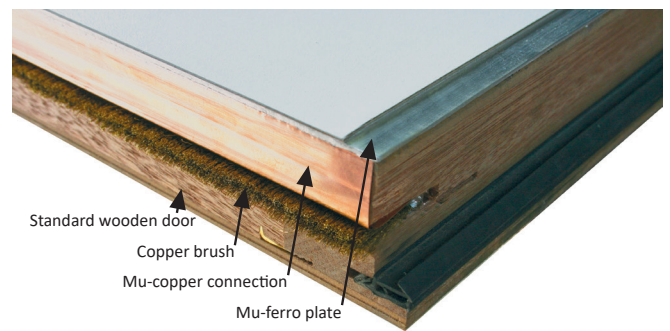


### WOODEN MODIFIED DOORS FOR EMI/RFI-SHIELDED ROOMS AND CHAMBERS

For applications with a performance up to 40-60 dB we can upgrade a wooden door to a shielded door. The modified wooden door can be supplied in a sliding or a swinging implementation. The wooden modified door is used in hospitals, e.g. in EEG, EMG, and measurement rooms.

### STANDARD SIZES

Standard shielded leaf doors in steel/wooden or steel frames  
 Width: single 800 / 1200mm, double 1500 / 2000mm  
 Height: 2000 / 2100 / 2500mm.



### ORDER EXAMPLE

Door	Width (mm)	Height (mm)
<b>HDFD</b> : Heavy duty fingerstrip door	Width of the door in mm (millimeters)	Height of the door in mm (millimeters)
<b>FDWSF</b> : Fingerstrip door with soldered fingers		
<b>FDWCF</b> : Fingerstrip door with clamped fingers		
<b>SPD</b> : Standard performance door		
<b>SMD</b> : Standard modified door		
<b>Implementation</b>		
<b>Swing</b> : Swing door		
<b>Sliding</b> : Sliding door		