

# SHIELDED RACKS

EMI shielding metal racks and enclosures



## METAL CABINETS, (19") RACKS AND SHIELDED ENCLOSURES

As the threat of IEMI or EMP attacks become more real and the awareness of the risks rises, the necessity of shielded racks and/or data-centers increases. Holland Shielding offers shielded racks which can fully customized to your requirements.

### APPLICATIONS

- IEMI (intentional Electromagnetic interference)
- Tempest
- Eavesdropping
- Solarstorms
- EMP attacks
- MIL-STD-188-125
- Radiated attacks
- Lightning
- NSA 94-106

For more information refer to our Data center security

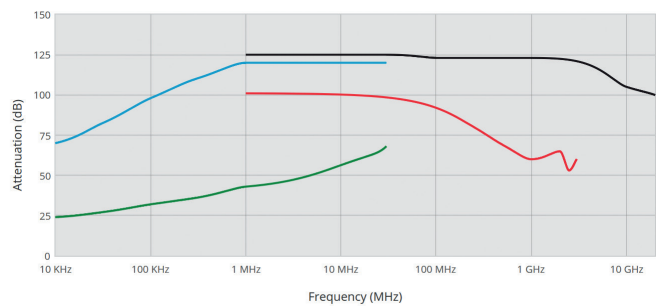


## ATTENUATION LEVELS

We have 2 standard performance levels for our shielded racks, so you can pick the type of rack that will suit your application.

Level 1: This type of rack is based on the well-known racks in the market and optimized for the shielding of your equipment with our in house produced shielding materials. This rack will give you the basic protection and will reduce the incoming attack up to 10.000 times.

Level 2: The ultimate shielding will come from our racks which are a spin-off from our prefab Faraday cages. These racks are exceeding the most shielding effectiveness standards and offer a performance over 120dB.



- Shielded racks performance level 1 (electric)
- Shielded racks performance level 2 (electric)
- Shielded racks performance level 1 (magnetic)
- Shielded racks performance level 2 (magnetic)



## WALL MOUNT

### OPTIONS

All our racks can be fully customized to your requirements. Just note that every opening or cable is going to be a leakage in the RF shielding of the rack. For this purpose we have power and signal line filters.

Most integrated options are:

- Power-line filters
- Signal-line filters
- Ventilation honeycombs
- Waveguide
- I/O panel (BNC-,SMA-,N-Connector)
- 7894 UDP data-line filter
- 7896 USB 3.0 optical converter
- Fixed/sliding shelves
- Etc..

### STANDARD DIMENSIONS

Level 1 rack

800/1200mm width

400/500/600mm depth

1200/1400/1600/1800/2000/2200mm height

Level 2 rack

standard 1172 x 1090 x 2315 mm W x D x H, internal height 2000 mm > 42 U any other size on request. Minimum width is 680 mm to fit the door.

### MORE INFORMATION

Do you have questions or would you like to receive more information about the shielded racks or our wall mounts? Our engineers can give you the right advise for your specific application or answers. Please send an email to [info@holland-shielding.com](mailto:info@holland-shielding.com).

### ORDER EXAMPLE

Part number	Width (mm)	Depth (mm)	Height (mm)	Performance level
<b>SR</b> : Shielded racks <b>WM</b> : Wall mount	Specify the width of the shielded rack in mm	Specify the depth of the shielded rack in mm	Specify the height of the shielded rack in mm	<b>1</b> : Level 1 <b>2</b> : Level 2



### WALL MOUNT SHIELDED RACKS

We deliver relatively simple shielded boxes for small studies to large EMI and FCC heavy-duty Shielded enclosures.

Our EMI shielded racks are constructed of our patented Mu-ferro 6800 series plate material, which is galvanically perfectly compatible with our EMI shielding gasket materials. This combination results in a very high shielding performance, also in the long term.

Our Shielded enclosures allow you to meet a wide variety of requirements for EMI/RFI suppression including:

- Mil Spec 285
- TEMPEST
- FCC Part 15
- European VDE

Our EMI & FCC product lines come in both vertical racks and sloped front consoles (15 & 30 degree). It is designed with double ledge, double plane corner construction which make it the strongest cabinet in the industry, capable of carrying up to 1400 kg of equipment.