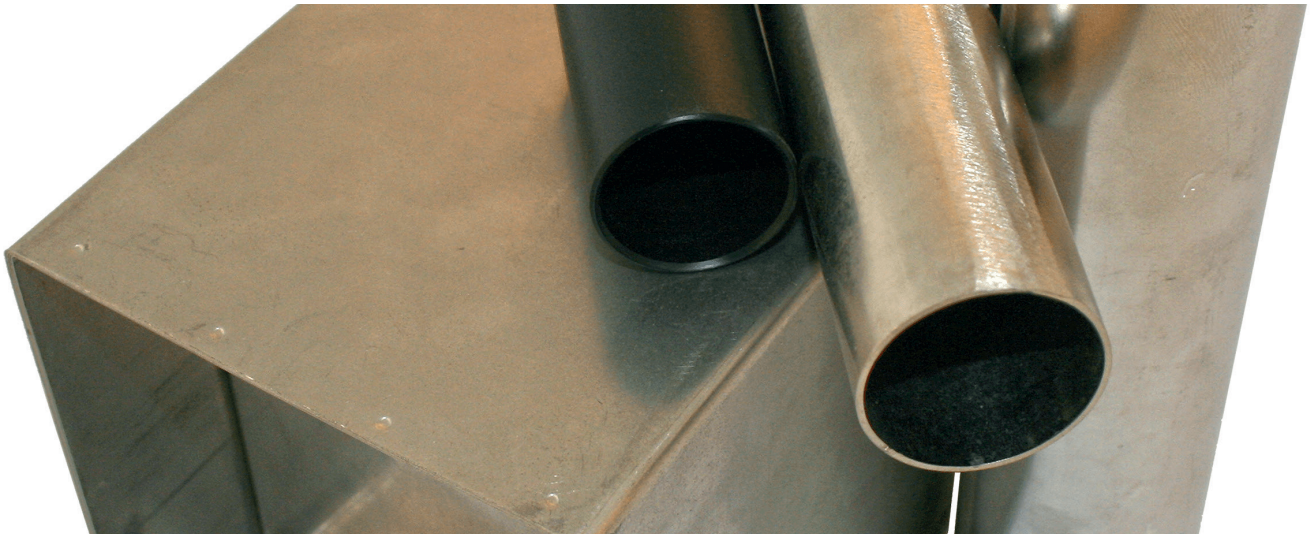
MU-FERRO HD MFHD

magnetic shielding for
sensors and electronic devices



Electromagnetic fields can affect electrical equipment, magnetic systems and also living organisms. For magnetic shielding of electronic devices and PCs we have developed the Mu-ferro HD.

Mu-ferro HD can be used to prevent low frequency magnetic radiation (0Hz- 100 kHz) from leaving a device, or it can be applied around a sensitive device or sensor, to prevent external electromagnetic interference from disrupting normal operations.

Mu-ferro HD offers important magnetic-field shielding characteristics, due to its high magnetic permeability and its ability to absorb magnetic energy. This allows for the highest possible attenuation, making this shielding alloy the material of choice for reducing low-frequency electromagnetic interference.

For magnetic shielding of electronic devices our Mu-ferro HD plate material are 650 x 1350 mm (other on request) and available in 0.5 and 1 mm thick. In addition we will gladly produce custom shapes which will deliver the best shielding effect possible in your situation.

Mu-ferro HD is also available as a foil or tape, delivered on rolls (0.024 mm thick) with or without regular or conductive self-adhesive for high-frequency shielding and easy mounting. For more information, part number 3208.

ORDER EXAMPLE

If you need a rectangular piece of Mu-ferro HD then you can specify the part number as in the blocks below. When you need a cut to shape or form made piece of Mu-ferro metal then send us a drawing of the relevant form.

Series	Width (mm)	Length (mm)
MFHD	Specify the width in mm.	Specify the length in mm.

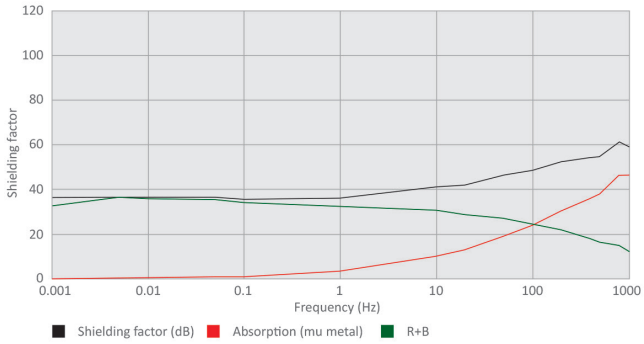
Thickness (mm)

0.5 : 0.5mm thick
1.0 : 1.0mm thick

APPLICATIONS

- Aviation and aerospace industries
- Sensitive sensors
- Medical equipment
- Physics research
- Telecommunication
- Automotive
- Military

SHIELDING EFFECTIVENESS*



PROPERTIES

Item	Data
Carbon	0.02%
Manganese	0.50%
Silicium	0.35%
Nickel	80.00%
Molybdenum	4.20%
Iron	Balance
Density kg/m³	8747
Thermal conductivity W/m K	34.6
Electrical conductivity micro-ohms	580