Low Magnetic Permeability Equipment

Posidonia, with 100 years of experience in the maritime industry, is a trusted provider of low magnetic permeability equipment for Mine Countermeasure Vessels (MCMV), such as minesweepers, minehunters, etc.

Certifications:

Key Features:

- **Lightweight Design:** Equipment engineered to reduce onboard weight.
- **Low Magnetic Permeability:** Advanced materials ensuring high mechanical performance in low magnetic field.
- **Certifications:** our products are **IACS approved** and manufactured using cutting-edge technologies for superior performance.

Flagship Products:

- **PTW+® Super High Holding Power Anchors**
  - **50% weight reduction** compared to conventional anchors.
  - Fully welded and manufactured in Italy.
  - Fully balanced shank with a 10% shortened design.

- **Grade 3 Chains in Low Magnetic Permeability Steel**
  - Available in **studlink.**
  - **µ < 1.00:** Among the lowest magnetic permeability values available.

- **Amagnetic Fittings**
  - Anchor shackles, Kenter shackles, swivel forerunners, and crown shackles.
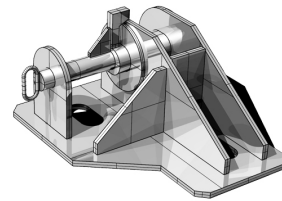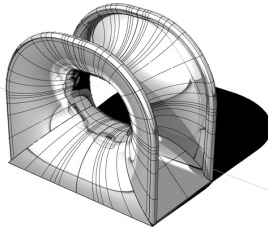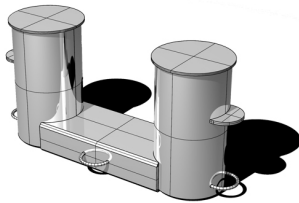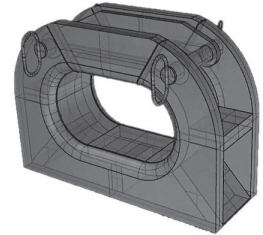 - Available in stainless steel or special low magnetic permeability materials.
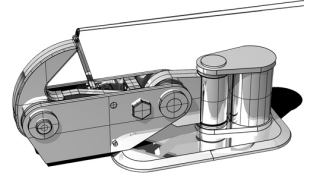
Low Magnetic Permeability Equipment

Deck Equipment Tailored for Performance

Comprehensive range of solutions: Panama chocks, Smit brackets, double bollards, roller pedestals, multi-angle fairleads, ETS, quick release hooks, chain lockers, and more.

- **Quick Release Hooks:** Available with **manual, pneumatic**, or **hydraulic release** systems.

- **Openable Panama Chock:** Its openable design facilitates the smooth passage of large sockets, reducing deck clutter and weight while maintaining high Safe Working Loads (SWL).

- **Custom Designs:** If you don't find what you need, we can provide personalized solutions to your requirements.

Why Choose Posidonia?

- **Material Innovation:** Years of R&D led to advanced materials with ultra-low magnetic permeability:
    - Chains: **$\mu < 1.00$**
    - Anchors: **$\mu < 1.09$**
- **Fully Customizable:** Anchors, chains, and deck equipment tailored to client specifications.