



Permanent magnets and magnetic materials are technical products which requiring precautions. Please pass these safety instructions on to all employees, customers and other persons dealing with our products or processed parts.



Endangering by Magnets

- Endangering by magnetic fields for
 - magnetic data logger
 - electronic instruments
 - cardiac pacemaker
- Injury by bruise
- Injury by splinters
- Fire and explosion hazard
- Health hazard through contact with food, drinking-water and derma



Handling

- People with cardiac pacemakers must not expose themselves to magnetic fields
- Keep electronic instruments and magnetic data logger away from magnetic fields
- Advance magnets carefully to other magnets or magnetic parts of iron to prevent bruises - wear appropriate personal protective equipment
- Magnets should never be handled in an explosive atmosphere because of any sparking
- Iron objects should not be left in direct proximity to the magnet
- Magnets may splinter at mounting – to prevent eye injuries, wearing of appropriate personal protective equipment is required
- There is a fire risk during mechanical treatment of magnet material - do not try to extinguish smoldering or burning magnets and their waste products with water, CO₂- or halogen fire-extinguishers -> appropriate media are sand or dry powder extinguishers containing metal fire protection powder
- Hydrogen retention destroy the microporous structure and lead to dialysis of unprotected magnets - contacts with hydrogen are therefore essential to avoid
- Magnets, which have a nickel coating, can trigger allergies in humans, when they come into contact with this chemical element - avoid constant skin contact with nickel-plated magnets



Careful during Magnetizing

- Do not look in field direction because magnets may be thrown out of the magnet field
- Magnets must be secured in the magnetization device – never hold them by hand
- Magnets placed between two iron poles may burst
- Keep surrounding free of magnetic parts
- Operating instructions of magnetizing instruments and devices must be considered



Instruction to transport

- The rules for magnetic stray fields on air transport and dispatch by mail must be considered – these rules apply to mounted magnets too



Legal Basis / Disclaimer of Liability

- Directive 93/112/EG
- Bomatec disclaims any liability due to damage caused by improper handling of magnets. With the purchase of our products you confirm that you read and understood the safety instructions and abide by them



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