

## Safety instructions on handling permanent magnets

Permanent magnets and magnetic materials especially materials of our type Seco and Neofer® are technical products 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



- Injury by bruise
- Injury by splinters
- Endangering by magnetic fields
  - cardiac pacemaker
  - magnetic data logger
  - electronic instruments
- Fire risk especially by cutting of processed parts
- Health hazard through contact with food and drinking-water (please feel free to ask)

### Handling

- Advance magnets carefully to other magnets or magnetic parts of iron to prevent bruises. Wear protective gloves!
- Do not scatter any iron parts (tools).
- Wear safety goggles! Magnets may splinter at mounting and splinters may injure your eyes.
- People wearing cardiac pacemakers must not expose themselves to magnetic fields.
- Keep electronic instruments and magnetic data logger away from magnetic fields.
- There is a fire risk during mechanical treatment of Neofer® magnet material. Do not try to extinguish smouldering or burning magnets and their waste products with water, CO<sub>2</sub>- or halogen fire-extinguishers. Appropriate media are sand or dry powder extinguishers containing metal fire protection powder

### Careful during magnetising

- Magnets may be thrown out of the magnet field! Do not look in field direction.
- Magnets must be secured in the magnetisation device. Never hold them by hand.
- Keep the surroundings free of magnetic parts.
- Magnets placed between two iron poles may burst.
- Operating instructions of magnetising instruments and devices must be considered.

### Instruction to transport

The rules for magnetic stray fields on air transport must be considered. These rules apply to mounted magnets too