

# Obligation to test lifting magnets

## Why is it being tested?

- DGUV R100-500 obliges the user to test
- EN 13155:2020 obliges the manufacturer to test

## When will it be tested?

- After manufacture (test according to EN 13155:2020 by the manufacturer)
- For initial commissioning
- Regular/annual
- Exceptional (after load drop and/or repair)

## Obligations of the contractor/user (excerpts from DGUV R100-500)

- The contractor must ensure that the operating instructions can be viewed at any time at an easily accessible location at the place of use
- The contractor must ensure that load handling attachments with defects that impair safety (deformations, cracks, breaks, incomplete markings, etc.) are withdrawn from further use
- The contractor must ensure that load handling attachments are only put into operation if they have been inspected by an expert\* before initial commissioning and any defects found have been rectified
- The contractor must ensure that load handling attachments are inspected by an expert\* at intervals of no more than one year
- The contractor must ensure that load handling attachments are subjected to an extraordinary inspection by an expert\* after damage or special incidents that may affect the lifting capacity, as well as after repairs
- The inspection prior to initial commissioning and the regular inspection are essentially visual and functional tests. They must extend to checking the condition of the components and equipment, the proper assembly and the completeness and effectiveness of the safety devices. The visual inspection includes the following
  - Fractures, deformations or cracks
  - Damage and/or heavy wear
  - Corrosion damage
  - Malfunctions of safety equipment
- The scope of the extraordinary inspection depends on the type and extent of the damage, incident or repair
- The test certificates must be presented to the supervisor on request. It is therefore necessary that they are kept readily available at all times

\* An expert is a person who has sufficient knowledge in the field of load handling equipment based on his professional training and experience and is familiar with the relevant national occupational safety regulations, accident prevention regulations and generally recognized rules of technology (e.g. BG regulations, DIN standards, VDE regulations, technical regulations of other member states of the European Union or Turkey or other contracting states of the Agreement on the European Economic Area) to such an extent that he can assess the safe working condition of load handling equipment.

**Ask your specialist dealer for a test quote**