
Handling of rebar bundles

A one-man operation

Using a TRUNINGER magnet system, even storage of extremely long rebar bundles can be managed by just one person.

With the magnet system and crane correctly set up, you will benefit from efficient deployment of personnel and a safe workplace.

Advantages

- No need for people in the material handling area
- No need to climb onto piles of rebars
- No risk of injury from handling sharp-edged materials
- No aisles required between piles
- No wooden spacers needed between bundles
- Easy operation of the system via cabin or remote control
- No operating assistants needed

Your benefits

- Fewer accidents and increased safety
- More compact storage
- Faster handling speed
- Lower personnel costs
- More attractive workplace



Figure 1: High storage density in a rebar warehouse

Rebar bundles up to 24m long

TRUNINGER designs and builds special magnet systems for handling all standard length rebar bundles.

- The spreader beam's very narrow design makes it easier to pick up small bundles. Going between high piles of material is thus made simpler.
- Lightweight construction through having a honeycomb design reduces the dead weight of the spreader beams. Lower dead weight greatly increases the crane system's service life.
- The magnets' suspension incorporate a long travel path. This compensates for any unevenness in the rebar bundles or in the piles. The magnets that first make contact are held in position until all of the magnets are resting on the load (see figure 2).
- The TRUNINGER magnet control system allows magnets to be activated individually. In the case of a bent rebar bundle the magnets get positioned and activated one after the other. By shifting the crane, the load can then be aligned parallel to the spreader beam and lifted.



Figure 2: Taking a rebar bundle from between the uprights

Transporting double and multiple bundles

Specially shaped pole shoes enable two rebar bundles to be carried in one lift, significantly increasing the speed of handling operations (see figure 1).

For even greater handling capacity the magnets are positioned crosswise to the spreader beam (see figure 3). The size and number of rebar bundles (layer width) determines the width of the magnets. This very efficient form of material handling is used primarily in steel mills and at logistics service centres with a very high level of stock throughput.



Figure 3: Efficient material handling with multiple-bundle transport

Material handling using TRUNINGER magnet systems opens up new perspectives for you in warehouse management. Find out more and see for yourself!