
Handling of single beams and profiles

Gaining space cuts costs

Storage space costs money. It is therefore important to make the most efficient use of the available space.

The magnets used in structural warehouses are particularly slim ones, allowing handling even in the narrow gaps between stacked material. Neither aisles nor even spacing between stacks are necessary.

When using magnet systems, wooden spacers too are a thing of the past. Given a sound surface, relatively large profiled beams can be stacked one on top of the other without any uprights.

It is no longer necessary to limit stack heights to that of a man when using a magnet system.



Figure 1: High-density storage using a TRUNINGER magnet system

Your benefits

- You can store considerably more material within the same area
- Without reducing stock levels, you can reduce the storage area size or use it for other purposes
- With compact storage short crane travel distances offers significant time saving

Fast and safe material handling

A correctly designed magnet system enables fast and safe access to the warehouse reception, storage and dispatch areas. By using a TRUNINGER magnet system you save not only space, but lots of time as well.

Magnets, when used properly, allow the load to be approached, picked, unloaded and transported to the storage location or processing area, quickly and reliably.

It is not possible to keep beams stable using a single crane hook. It is only when using two hooks that the magnets remain parallel to the material being lifted. Two hooks are thus a prerequisite for safe and efficient one-man operation!



Figure 2: Passive telescope used for transporting a layer of hollow sections

A simple and low-cost solution for cranes with two independent trolleys is to use two magnet groups that are suspended directly from the crane hooks and kept in line by a passive telescope (see figure 2).

Two hoists, each equipped with twin hooks, offer a particularly lightweight and flexible solution for long beams. The distance between the two independently controllable magnet groups can thus be adapted to different beam lengths. A V-rope tensioning mechanism eliminates sway.



Figure 3: Two individual spreader beams with anti-sway V-rope tensioning mechanism for lifting narrow beams

Your benefits

- One-man warehouse operation means lower labour costs
- Significant time saving thanks to quick and accurate positioning of the magnets on the load
- Further time saved by lifting material without the need for any labour-intensive mechanical lifting devices



Figure 4: Cost-efficient compact storage of long hollow sections using a magnet system