



MINILOAD SINGLE STORE

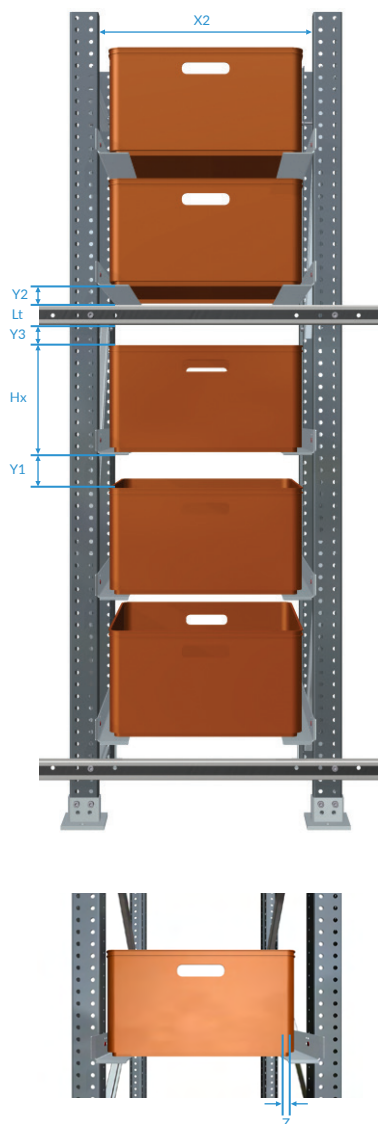
stow



The automated storage and retrieval system (AS/RS) for storage of small goods.

MINILOAD SINGLE-STORE

The automated storage and retrieval systems (AS/RS), type miniload single-store are used for storage of small goods, mostly totes or cartons, with loads varying from 5 to 300 kg/unit. The goods are handled automatically by unmanned AS/RS-cranes. The cranes, guided at both top and bottom, retrieve the totes from their location and present them at the picking location or deliver them directly onto the picking conveyor. stow has built large installations with most system integrators. The system is adaptable to any type of AS/RS - handling device, equipped with telescopic forks, with side grips or with an extracting system.



GOODS

The shape and quality of the plastic bin or carton is very important for a good design of the racking. The width, the depth and the height of the totes determine the dimensions of one level.

Different sizes of totes may be combined. The final dimensioning must take into consideration the specific requirements of the AS/RS crane.

SYSTEM CONFIGURATION

The design of the tote, carton or slave tray and the handling device of the AS/RS-crane determine the basic dimensions of the rack location.

The minimum dimensions for Y1, Y2 and Y3 depend on the crane handling device, whether it is equipped with telescopic forks, with side grips or with an extracting system.

To optimise the number of levels in height, a variable pitch is possible.

Even with an asymmetrical position on the L-carriers, Z should be a minimum of 5mm.



L-CARRIER

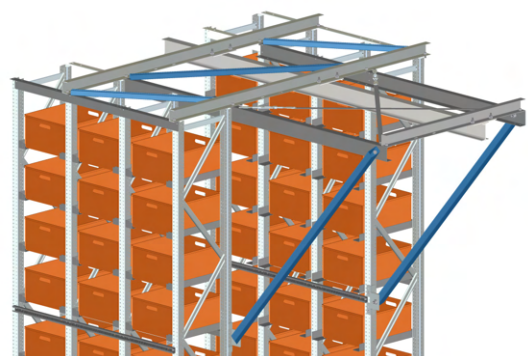
The design of the L-carrier depends on the load capacity and eccentricity of the loading.
The standard pitch in the height is 12.5 mm.



SUPPLEMENTS

The top guidance is fully supported by the top construction. Bracing in horizontal and vertical planes ensure the required stability and erection tolerances.

Other essential components are maintenance platforms, sprinkler supports, safety fences, interlock doors and interfaces with the picking conveyors.



Run out design



Back bracing and plan bracing ensure the required erection tolerances (FEM 9.832).

(CLEAR BENEFITS FOR EVERY APPLICATION)

- › Complies with the European FEM and EN regulations quality assured to ISO 9001.(BQA N° 019 QMS)
- › Computer aided design ensuring the best solution for every application, including static calculation

- › All components have been thoroughly tested in specialized laboratories.
- › Fully automated production to a high quality standard and in a cost-effective way



we rack the world

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