



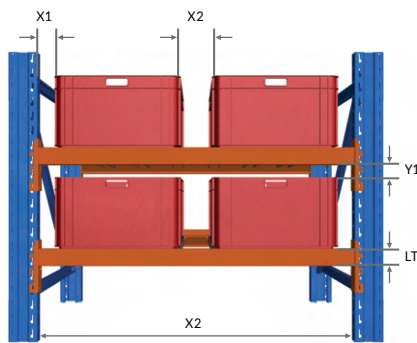
MINILOAD MULTI-STORE



The “beam type” automated storage and retrieval system (AS/RS) for storage of cartons and totes in large quantities.

MINILOAD MULTI-STORE

The “beam” type automated storage and retrieval system, called the miniload multi-store system is most commonly used for storing cartons and totes in large quantities. The system fulfils the requirements of most system integrators. It is used for AS/RS handling devices equipped with side grips or an extracting mechanism, pulling-out cartons or totes at their front or back. The totes may be stored single or double deep, depending on the technique used and the required system throughput. The dedicated front beams, back beams and depth panels are perforated and profiled on the automated production lines, ensuring the very high quality needed for this type of installation.



GOODS

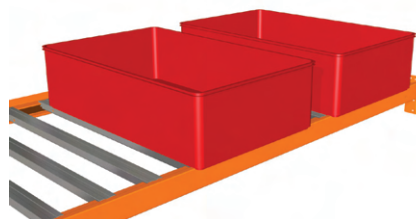
The shape, in particular the bottom design of the plastic bin or the quality of the carton box, are the basis for the design of the racking. The width, the depth and the height of the totes determine the dimensions of one level.

Different sizes of totes may be combined. The final dimensioning must take into consideration the specific requirements of the AS/RS crane. In particular the minimum for the dimensions X1, X2 and Y1 are depending on the handling device.

SYSTEM CONFIGURATIONS

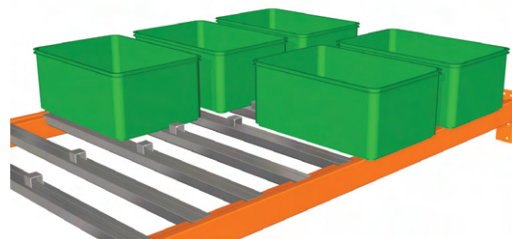
SINGLE ENTRY SYSTEM

- Goods are stored from one side only.
- Single deep or double deep stored.
- Consists of a front beam and back beam with integrated stop.



DOUBLE ENTRY SYSTEM

- Goods are stored from both sides.
- Single deep stored.
- Consists of 2 front beams with plastic middle stop.



(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



DEPTH PANEL DESIGN

The depth panels are available in various sizes depending on the dimensions of the stored goods. They are mounted in the slotted holes in both front and back beams, without bolts.



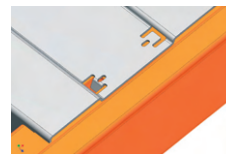
Back side, fits in front or back beam



Front side, fits in front beam



Cross section
Width: 130 to 190 mm



Using the locking feature, the panel is locked securely



back beam



front beam



The construction is based on the stow pallet racking system.

The stringent FEM 9.832 regulations are the basis for the design, production and installation tolerances.

All components are fully adaptable to fulfill the specific requirements of the installation.



we rack the world

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