

Technical Data

Drive-in and Flow-through Racks

Drive-in rack

Flow-through rack





Drive-in racks from STILL are designed as drive-in or drive-through racks. Drive-in racks are loaded and unloaded from one side only. Drive-through racks can be accessed from both sides.

1. Closed height 10 500 mm
2. Allowable post widths: 70, 85, 100 or 120 mm
3. Vertical cross bracing in every third field
4. Max. pallet weight 1 500 kg
5. Channel length up to 15 pallets (special length on request)
6. Max. load per row 24 000 kg

Drive-through rack

Rack posts

The rack posts made from special profiles are components of the proven STILL pallet rack. Shape and material thicknesses of the profiles depend on the channel load. Two posts are interconnected by cross bars to form a rack support. The rack supports are fastened to the floor by respective anchors. The type of the anchors used depends on the height of the rack and the quality of the floor. Spacers connect the rack supports at fixed distances and stabilise the construction.



Longitudinal girders and horizontal cross bracings

The posts of the drive-in and drive-through racks are connected lengthwise by longitudinal girders. Additional reinforcement is attained by horizontal cross bracings.



Vertical cross bracing and end stop

Similar to the horizontal bracings, the rear side of the rack is reinforced with a vertical bracing. In addition a cross girder can be mounted on each level as a stop guard.



Components

Hooked carriers with pallet rail

The carriers are hooked into the holes of the C-type profile and locked with a safety pin to prevent unintended lifting. The heights of the channels can be set individually in steps of 50 mm for each level. The carriers hooked in for each channel make the system very flexible allowing later modifications. The pallet rails are bolted onto the carriers. The slanted vertical faces of the rails ensure secure placement of the pallets.



Guide rails with entry guards

Optionally, the channels can be fitted with guide rails and entry guards. These are very rigid to guide the truck and protect the rack supports from impacts.



Components

Planning parameters for drive-in and flow-through racks

Please consider the following parameters when planning drive-in and flow-through racks.



Dimensions



Pallet without load hangover



Pallet with load hangover

Load carriers

- Dimensions of the load carrier including overhang.
- Load weight (max. 1 500 kg).
- Height of load carrier including load min. 100 mm (stack/retrieval cycle).

Truck specifications

Width of truck, overhead guard version, lateral guide rollers and width of the mast must be checked.

Maximum width of the truck is 950 mm

(75 mm safety distance on each side).

Special overhead guard versions of STILL trucks are possible.

Floor quality

The quality of the floor surface must be checked by customer and must meet the requirements of C20/25 according to DIN EN 206-1/DIN 1045-2. Flatness of the floor must meet the requirements according to DIN 18202 table 3 and RAL - RG 614, section 3.3.4.2.2.

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