

Pushback Trolley System



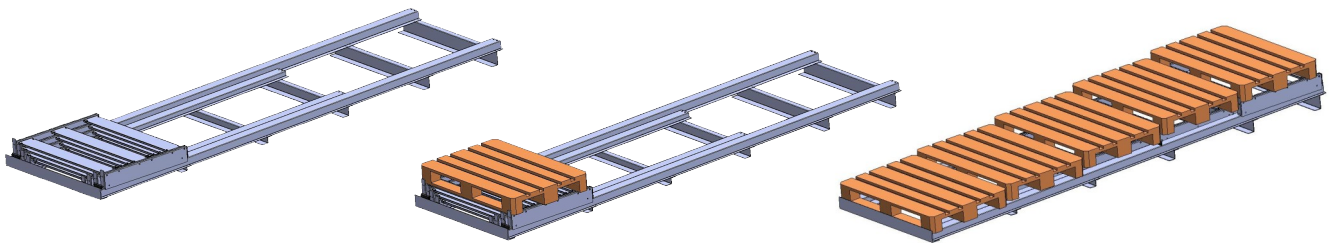
Pushback Trolley System

With the Pushback Trolley System Rack & Roll succeeded for the first time to do without need of welding and coating. Thereby a compact and solid system was generated which is characterized by high economy and reliability.

Operation:

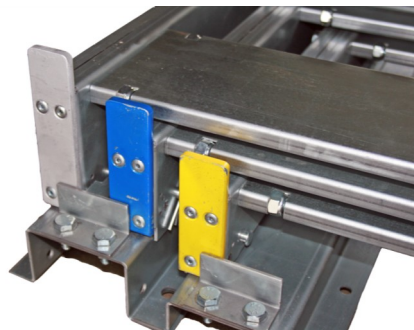
Trolleys with different dimensions run on a rail system. The rails are arranged inclined. In case the channel is empty all trolleys are one upon the other on the operating side. First the (biggest) trolley on the top is loaded with a pallet. After this, the second pallet pushes back the first trolley on the coloured sheets. The second pallet is deposed onto the now empty trolley. This operation is repeated until the channel is filled. The final pallet is then placed directly on the rails.

According to this unloading is effected in reverse order. The incline of the rails leads to a self-acting return of the trolleys to the operating side.



Benefits:

- Reliability is independent from pallet type and –quality
- Transport length- or crosswise is possible
- Different pallets and steel containers can be stored together
- Trolleys are not connected, thus overloading is possible
- High storage density
- Economic because no welding and coating is necessary
- Solid and easy to maintain
- Amending of pallet racks especially drive-in racks is possible
- Easy installation



Filling level indication by means of colour-coded plates on the trolleys

These plates also serve as insert aid



First pallet place equipped with lifting protection



- Advanced running properties by means of steel rolls with ball bearings which results in a small inclination rate of the rails of appr. 2,5 %.
- Replacement of rolls is possible without tools .

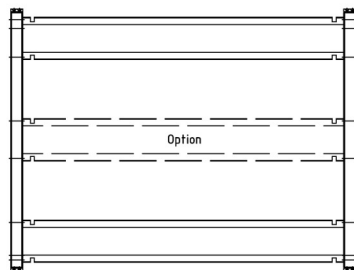


Pallet Support:

Rack & Roll:

complete support of outside runners (boards)

(optional support of all runners)

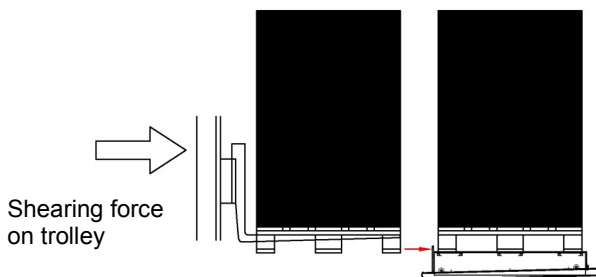


Competition:
Trolley open on one side



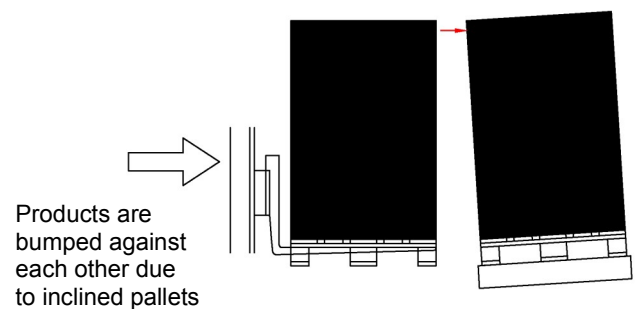
Power Introduction:

Time saving operation due to horizontal surface of the trolleys. Also no shearing force can damage the products.



Rack & Roll:

(no mast grading because of horizontal)



Competition solution

Specification:

- Max. 5 pallets (4 trolleys)
- Special design up to 6 pallets
- Max. pallet weight 1.200 kg
- Even suitable in deep-freeze ambience

Construction height :

- 1st pallet place: 40 mm
- 2nd pallet place: 90 mm
- 3rd pallet place: 120 mm
- 4th pallet place: 150 mm
- 5th pallet place: 180 mm

- Channel width depending on pallet dimension
- Inclination rate: appr. 2,5 %



Frontsight Channel

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