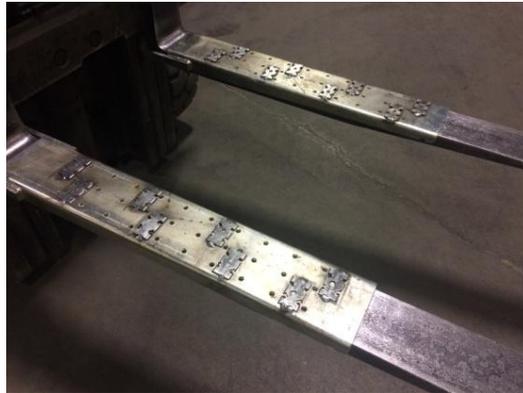


Flow-Rail - Instructions for lift operators

Failure to read / follow instructions in this manual can potentially result in physical injury and / or damage to the system. This document must be given to end-user.

Before loading a pallet in the system make sure bottom pallet boards are not cracked or missing. If pallet is defective replace with an acceptable pallet before loading onto the tracks.



Loading the 1st pallet

1. Position lift-truck directly in front of the lane.
2. Raise forks until pallet is higher than tape marker on the upright post.



3. Enter pallet inside. Do not pay attention to rear-end of chain. Align pallet flush with front of tracks as shown.



- 4. Centre the pallet. **(Never side-shift when pallet is on the chains)**
- 5. Lower pallet onto the tracks. **(Do not drop pallet with force - may damage the system)**

Tracks at floor and top level are potentially more difficult to see. Placing tape guides on front beams can help. If pallet is wider than the tracks position tape according to the pallet. (Presuming pallets all have same width)



Loading additional pallets

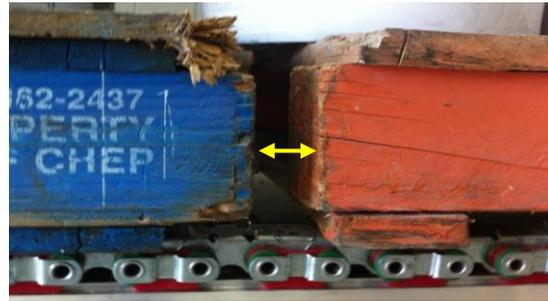
1. Position lift-truck directly in front of the lane.
2. Raise forks until pallet is higher than tape marker on the upright posts.
3. Lean against pallet already in the lane. Push forward to enter pallet all the way inside.
4. Centre the pallet.
5. Lower gently onto the tracks.

When lane is full yellow flag will retract inside front-head as shown below.



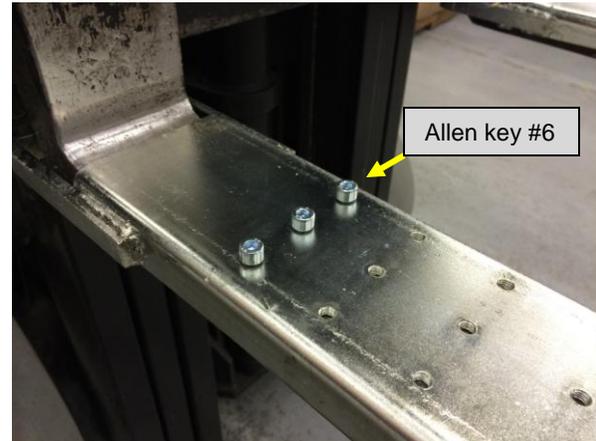
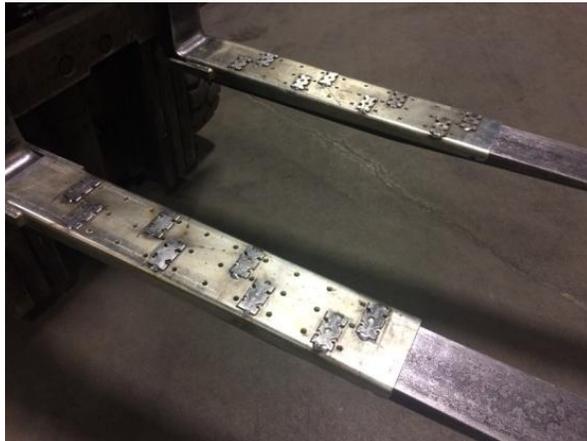
If there is unusual resistance while loading do not force pallet inside the lane: stop and find what may be the cause. Is pallet properly centred, are one or more pallets in the lane damaged, is there wrong contact between material on the pallets and/or the racking system, etc. **If nothing apparent is found do not load any pallets in the lane.** Contact your representative for further instructions.

If there is a risk material on separate pallets can intertwine or hook together, create a small gap in-between the pallets when loading. (Also useful if material is sensitive or easily damageable)



How to unload pallets

Always use fork-grips provided. Model with pins can be adjusted according to pallet type.



1. Enter forks inside front pallet.
2. Raise forks to position fork-grips underneath top pallet boards. If chain-teeth grips are used slight forward tilt required to raise front part of the pallet max 1/2" off the track. Back-end of pallet must remain in contact with the chains.
3. Back-up at a slow and steady speed - pallet always in contact with the chains
4. Once pallet is out of the system, make a complete stop before continuing to back-up.

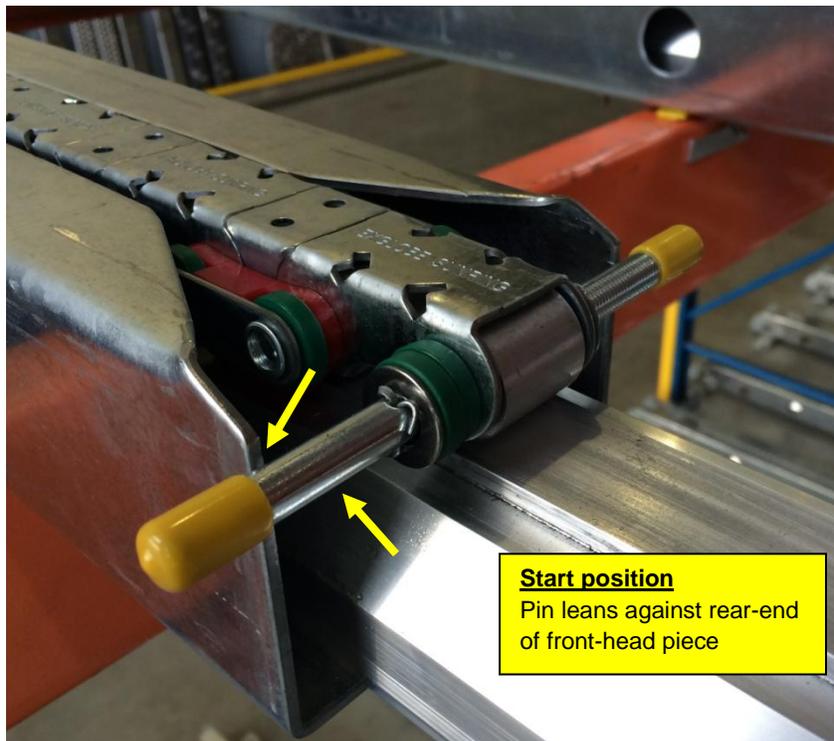
Note: If reach truck is used, do not extend forks to unload.

Important: Never turn lift-truck while pallet is still in contact with the chains. Pallet must be fully extracted from the system before lift-truck can begin to turn.

Important: When pallet is being unloaded if it starts to slide/slip off the forks stop - reload pallet safely inside the lane and try again.

If there is unusual resistance while unloading do not forcibly extract pallet from the lane: stop and find what may be the cause. Examine all pallet boards that are visible, make sure front pallet is properly centred, no obstructions caused by the pallet and/or the loads on the pallet, etc. **If nothing apparent is found re-load pallet inside the lane.** Do not use any tools or devices to forcibly extract pallet. Contact your representative further instructions.

Important: When unloading last pallet in a lane drag it out of the system as done with all the other pallets. Never raise the pallet off the chains. This procedure is required to reset chains to start position as shown below.



Important:

- Pallet weight variations in a lane must not exceed **25%**.
- Current installation was designed based on known pallet types, dimensions and weight at time of order. Any changes can potentially affect system performance.

FLOW-RAIL videos that show pallet load / unload can be seen on Exglobe.ca web-site or

 *Instagram* flowrail_pallet_storage

Jan 1, 2016