

Push Back Pallet Racking



Introduction

Conventional fork lift trucks load pallets into inclined magazines for storage. Once loaded, the pallets return automatically to the front of the rack by gravity. By retrieving from the front of the rack, pallets are stored on a FILO basis.

The system offers safe and dense storage for 2, 3 and 4 deep pallet storage. Typically up to 5 pallets high, the safety and relatively fast accessing of the products is achieved as the FLT does not enter the racking.

Features

- Pick face remains constantly full.
- A low damage environment, with truck outside racking always.
- High storage density with speedy accessibility, but FILO.
- Conventional handling equipment can be used.
- Pallet quality may not be so critical as carts or cradles are always used.

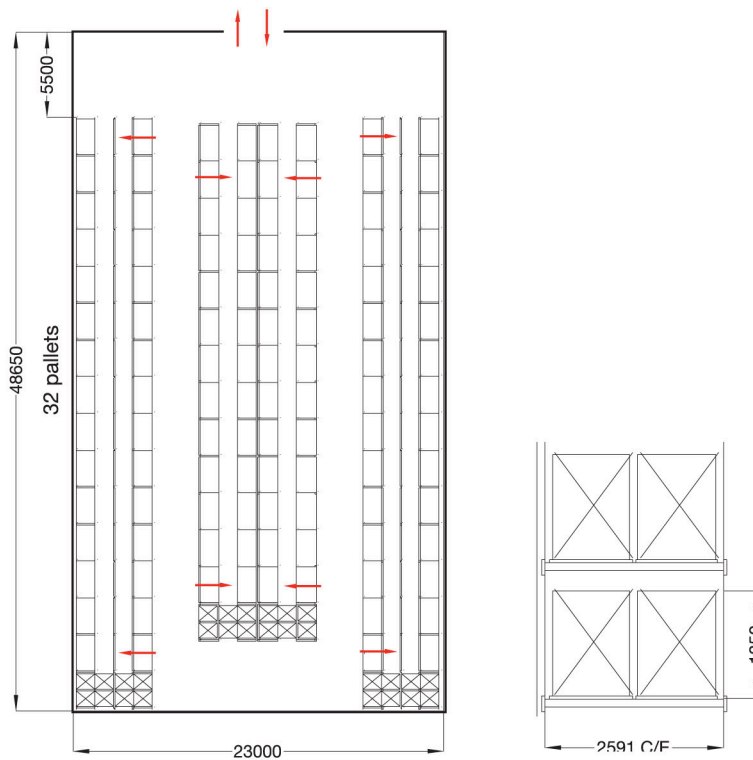
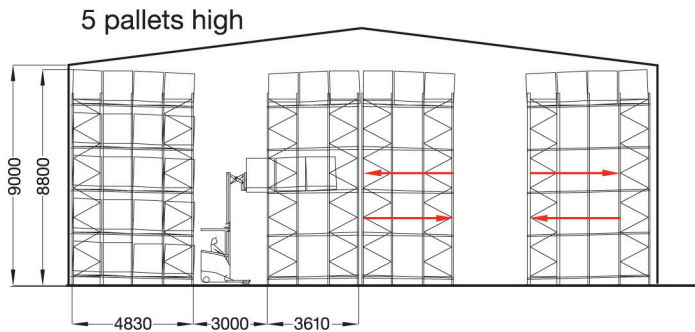
Vital statistics

Average locations used	80%
Immediate accessibility	up to 100%
Stock rotation	Average
Average floor area by pallet position (sqm)	0.55



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Example configuration



Push back rack example for 2120 pallets

- Pallet and load size:
1165mm (entry) x 1165mm x 1350mm (H)
- Floor area:
 $48.65\text{m} \times 23\text{m} = 1119\text{ sqm}$
- Total building volume:
10071 cbm (9m high)
- Average floor area/pallet position:
 $1119\text{ sqm}/2120\text{ pallets} = 0.53\text{ sqm/pallet position}$
- Average building volume/pallet position:
 $10071\text{ cbm}/2120\text{ pallets} = 4.75\text{ cbm/pallet}$

