

# Mobile Pallet Racking

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## Create functional and logical warehouse storage with the right pallet racking system.

Pallet racking can be configured in a variety of ways and systems, depending on the customer's requirements and pallet load.

Whether its frozen food in a cold store utilising either **Drive-in racking** or **mobile racking** (MOVO), or bulk goods, such as products with a "best before date", that are stored on a FIFO (first in first out) **pallet flow** system, all goods stored on pallets will be ideally stored by one of these methods as this provides optimal storage economics.

Click here for [a comparison of the different Pallet racking systems](#), make sure you get the right one for your warehouse.

Mobile Pallet Racking is a product in the category

## Pallet Racking

- P90 Standard Wide Aisle
- Mobile Pallet Racking**
- Multi-tier Pallet Racking
- Narrow Aisle Racking
- Carton Flow
- Pull-Out Unit
- Drive-in Racking
- Pallet Shuttle System
- Push Back - Trolleys
- Push Back - Rollers
- Pallet Flow
- Rack83
- Premierack Wide Aisle
- Pallet Racking Comparison

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## Description

**MOVO, the mobile pallet racking solution from Dexion, is the optimal solution for storage, providing dense pallet storage and helping to reduce costs for a new building or the possibility to better utilise existing warehouse storage space more efficiently.**

[Pallet Racking](#) > [Mobile Pallet Racking](#)

## References

- EngeriMidt, Denmark
- FJ Industries, Denmark
- Hennig Olsen Is AS, Norway





The electronically controlled MOVO heavy duty mobile pallet racking system runs on embedded rails and can carry bay loads of up to 24 tons at racking heights of up to 12 metres, with runs up to 90m possible.

When individual aisles open, state-of-the-art sensor technology and variable control options ensure ease of operation and absolutely safety.

Thanks to a wide variety of accessories, MOVO is suitable for any kind of warehoused goods and with a guaranteed operational safety at temperatures as low as  $-30^{\circ}\text{C}$  it makes it ideal for use in cold storage rooms.

#### Benefits

- Maximum use of floor space –only one operating aisle
- Save up to 40% of the space required by conventional pallet racking
- Alternatively increase your storage capacity by up to 80%
- Good occupancy rates helping to reduce energy bills in cold stores
- 100% individual pallet access
- Modular design adapts to any requirement
- Safety according the European Directive 2006/42/EG and DIN EN 15095

Don't know how to organise your storage?  
Need help and advice designing your new warehouse layout?

Contact us for help and advice by clicking on this link.

## Range

The modular design of the MOVO system means that it is easy to design the most efficient and economic installation for any situation. Rails, bases and control system are chosen to give the best possible fit with your requirements and building. MOVO can be used for both narrow Aisle man-up forklift trucks and wide aisle standard forklift truck situations.

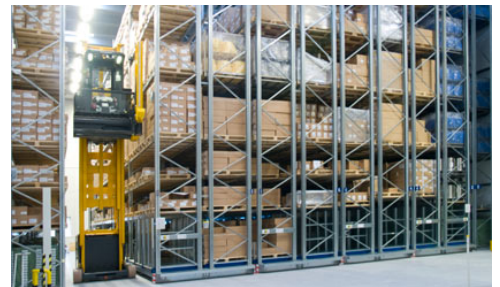
In addition to the standard MOVO controls, there are a variety of optional control methods which can be used to speed up your operation or to ensure reliable stock control.

MOVO can be tailored to your control requirements, from the simple addition of radio control on the fork lift to the full integration into your storage ERP-system network.

The difference is in the detail...

- light control – only the open aisle is lit - saves electricity
- commission mode –open pre selected aisles - save time
- night position – improves air circulation - preserves goods
- sprinkler position – a mode for fire protection - added safety
- stock position – multiple aisles partially open for access - easy picking
- remote control – fast and easy operation - faster picking on FLT

And everything for cold and normal temperature stores, MOVO is operationally safe at temperatures of -30 degrees centigrade and can be used even down at -40 degrees centigrade.



## Specifications

With more than 9500 installations worldwide DEXION has gained experience over many decades as a developer and producer of heavy mobile racking systems. Based on this experience we can design our MOVO – Mobile Pallet Racking systems in the most optimal way for the requirements of our customers.

The below summary of technical data shows the variety of applications possible.

### Loads and Dimensions:

Bayloads: depending upon system, up to 24 tonnes

Total single carriage load:  
up to 800 tonnes  
(a project of this scale has been installed)

Trolley length: up to 90m

Rack Height: up to 12m

Bay widths: up to 5000mm

### Control functions:

- Lane travel
- Radio control operation
- Order picking mode
- Automatic light triggering
- Two different fire positions
- Anight position
- Acirculation mode
- Sprinkler mode
- WMS-automatic control
- ERP-automatic control
- Remote diagnostic

### Safety:

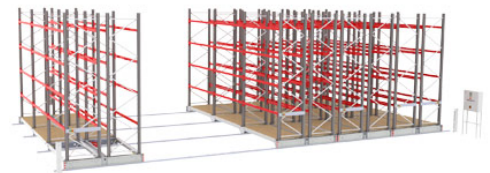
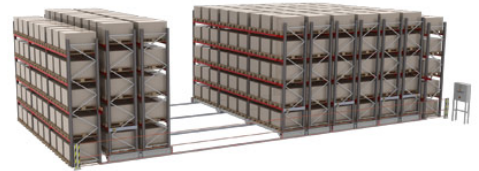
For each aisle way:

- Longitudinal trolley light barrier
- Fork lift truck counting device
- Acoustic pre-warning of movement
- LED-flashing lights during movement
- EMERGENCY-STOPS on each trolley

Accross the system:

Across the front of the racking aisles a light beam safety barrier can be installed with beams at three different heights.

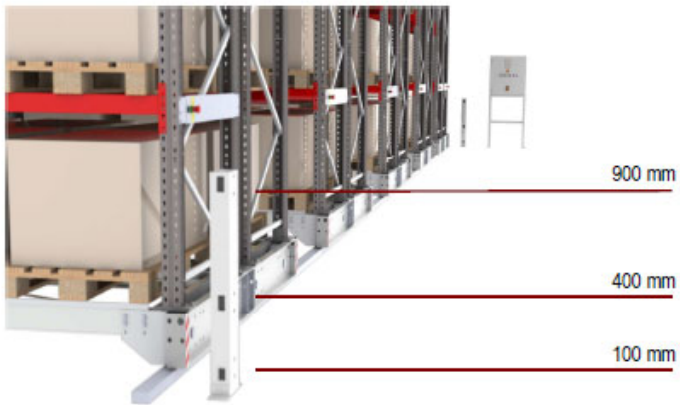
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For more information on the system available in your country please [select your country](#).

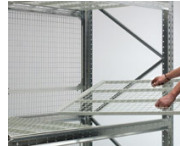


# Accessories - Pallet Racking



## Shelves

Used between pallet racking beams to create shelves, ideal for picking at waist level.



## Wiremesh Shelving

Mesh shelving sits on the pallet racking beams and acts as a shelf or decking.

More info about [Wiremesh shelving](#)>>



## Wooden Decking

Slated pine panels placed between the pallet racking beams support small goods or undersized pallets.



## Pallet Support Bars

Clipping over the front and rear beams these support undersized or damaged pallets.



## Vertical Back Stops

A useful safety feature which prevents pallets from falling down the back of the rack.



## Pull Out Unit - Beam Mounting

The pull out unit is secured to the racking beam enabling a loaded pallet to be pulled out of racking for picking.



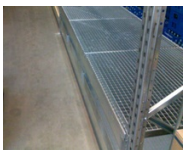
## Pull Out Unit - With Casters

This pull out unit can be secured to the floor, with casters at the front, enabling floor level pallets to be pulled out of the racking.



## Coil/Drum Holder

For the storage of cable reels or oil barrels.



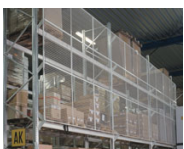
## Drip Trays

If (hazardous) liquids might leak, then drip trays may be placed on the floor (or per level). The drip trays are galvanized. Various sizes are available.



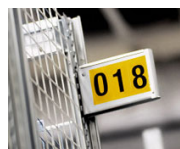
## Spool/Reel Carriers

For storage of large cable reels or carpet rolls. A supporting rod, with high weight capacity, can easily be taken in and out of position.



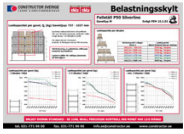
## Anti Collapse Mesh

Metal mesh product that offers protection for a variety of scenarios. More info about [Anti Collapse Mesh](#)>>



## Sign & Marking system

Label holder, self-adhering or with magnetic tape for different kind of shelves and beams. More info about [Sign & Marking system](#)>>



### Load and Assembly Signs

Signage for loading and assembly instructions, which can be mounted on the racks.



### Locking Pins

Beam locking pins are required for safety in the connector, at each end of a beam.



### Levelling Plates

Leveling plates are used underneath uprights to correctly raise the height of an upright.