

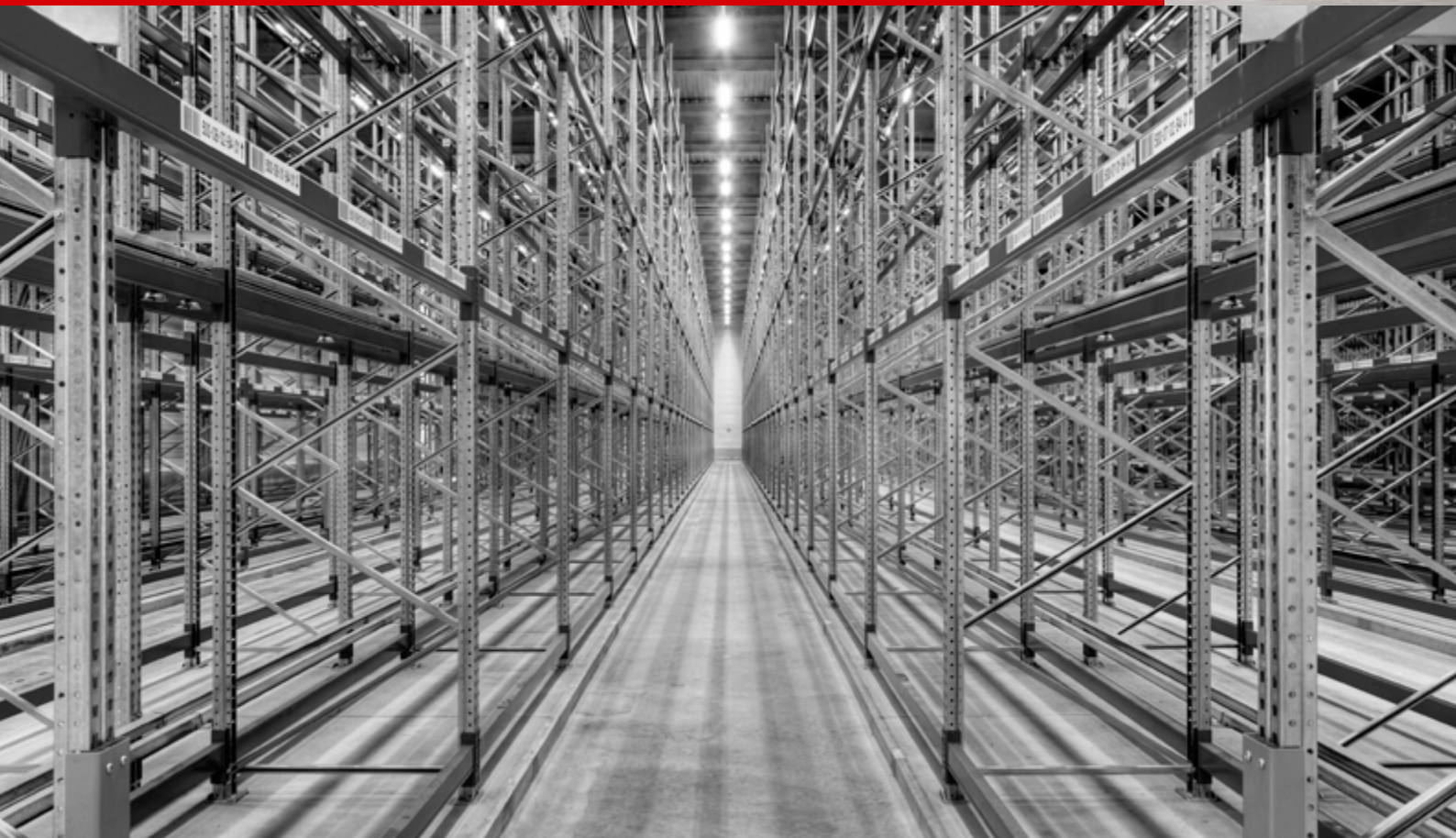
A Member of the Constructor Group



Storage solutions since 1947

P90 PALLET RACKING SYSTEM

The versatile solution for static and dynamic pallet storage



U-28-A
U-28-B
U-28-C

P90 Pallet Racking System

Taking quality and efficiency to new heights



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P90 Pallet Racking

Storage solutions the Dexion way

Dexion has been providing storage solutions since 1947 and during this time we have gathered a vast amount of knowledge that we share every day with our customers, big or small. Our reputation as a provider of quality storage products is well earned and our team offer a comprehensive range of services to a network of customers across Europe.

Pallet racking is one of our key products and our sales experts provide easy to understand advice to navigate customers through the warehouse design process, making sure each installation is tailored to their needs.

The Dexion team

- ✓ Dedicated technical sales
- ✓ Experienced Installation Teams
- ✓ Technical design experts
- ✓ Telesales support
- ✓ Logistics analysts
- ✓ Rack Inspectors
- ✓ Efficient Project Managers
- ✓ Service Engineers



P90 Pallet Racking System

We manufacture an extensive range of components that can be configured to create your tailored solution.

Pallet racking is manufactured from steel, which can be a costly commodity. Having an extensive range of products to choose from, means that we can achieve the loading capacity

you require, with a pallet racking structure that suits your operation, in a cost effective way.

From classic wide aisle racking to mobile pallet racking, to pallet shuttle, our range can be configured to achieve an optimum solution.

With 16 different upright variations that can be manufactured in a variety of lengths, we can achieve structures exceeding 30 metres, with an optimized steel content.

While our standard beam range has 16 standard lengths with the option to manufacture bespoke sizes to meet individual needs.



P90 PALLET RACKING

- 16 upright sizes in a range of lengths
- Structures can be created in excess of 30 metres high
- 16 beam lengths with 30 different section sizes available
- Galvanised steel
- Also available with a painted finish
- Suitable for all pallets types including euro, CHEP, disposable etc.
- Bespoke items can be manufactured to suit

Quality Assured

Our products meet all relevant design codes including FEM, EN and SEMA. Our highly trained technical engineers ensure all storage solutions meet the required legislation and exceed our own internal standards.

We hold ISO 9001 & ISO 14001 certifications



Solutions for every situation

Storing goods on pallets is the most common method to manage warehouse stock. Pallet racking is the most effective method of storing pallets, but understanding what type of structure is needed can sometimes be confusing. Here are some of the most common methods of pallet racking storage.

	High floor utilisation	High volume utilisation	Easy to adjust and adapt	Good for individual pallet access	Good for handling mixed articles
Standard Aisle Pallet Racking			✓	✓	✓
Narrow Aisle			✓	✓	✓
Drive-In	✓	✓			
Pallet Shuttle System	✓	✓			
Pallet Flow	✓	✓			
Push-Back	✓	✓			✓
Mobile Pallet Racking	✓	✓	✓	✓	✓

 More information see: www.dexion.co.uk/pallet-racking

Wide Aisle Pallet Racking - the classic solution



Wide Aisle Pallet Racking is the most common system for storing pallets and it is very adaptable when it comes to lay out, goods type or handling equipment.

- Suitable for varying pallet sizes
- Full access to all pallets
- Meets FIFO requirements
- Suitable for different fork lift truck types
- Ideal for varying number of articles and volumes
- Suitable for pallet handling and picking at floor level



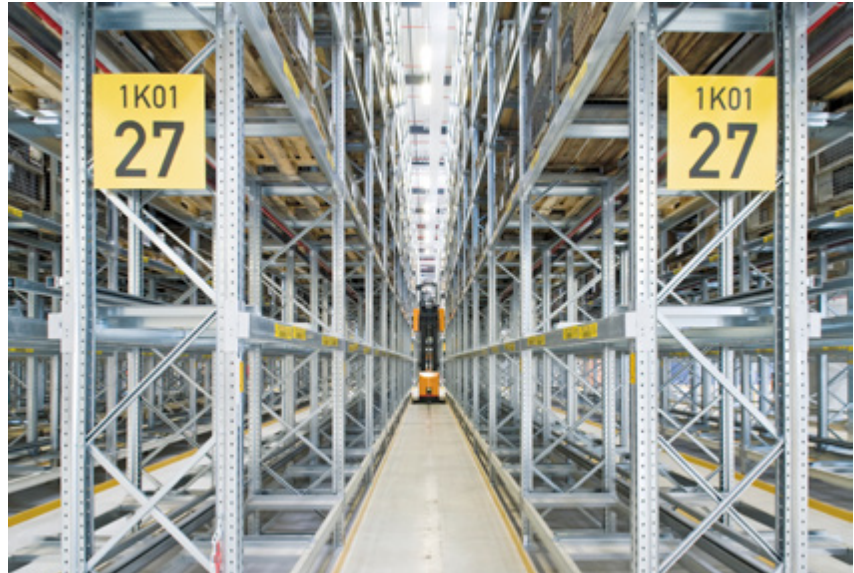
 More information see: www.dexion.co.uk/pallet-racking

Narrow Aisle and High Bay Racking -for faster order picking



Narrow aisle and high bay racking combines most of the advantages of Wide Aisle Pallet Racking, but with better floor utilisation by reducing the aisle width or increasing the height.

- Suitable for various pallet sizes
- Full access to all pallets
- Meets FIFO requirements
- For varying number of articles and volumes
- Used in conjunction with special, Very Narrow Aisle (VNA) trucks
- Pallet handling and picking on all levels with combination truck



More information see: www.dexion.co.uk/pallet-racking

Drive-In Racking - compact storage solution



Drive-In Racking is the perfect solution for high density storage of large quantities of similar goods, ideal for and often used in a cold store environment. It allows a truck to enter into the racking to retrieve the pallet.

- High floor space utilisation
- Suitable for large quantities of few articles
- Meets FILO requirements
- Can be operated with a reach truck and / or counterbalanced forklift
- Ideal for bulk storage



More information see: www.dexion.co.uk/pallet-racking

Pallet Shuttle System - cost effective automation



Pallet Shuttle System combines the advantages of Drive-In Racking with a semi automated platform which manages the movements of pallets, offering better flexibility and faster handling.

- High floor space utilisation
- Pallets automatically removed and retrieved to pick face
- Meets both LIFO and FIFO requirements
- Best suited for uniform articles
- No need for specialist trucks to enter the lanes



 More information see: www.dexion.co.uk/pallet-racking

Pallet Flow Racking - controlled roller movement



Pallet Flow is a compact storage system where pallets are transferred automatically from the entrance to the exit of the racking and offers improved internal logistics as well as high density storage.

- High density storage
- Meets FIFO requirements
- For uniform articles and pallets
- Can be operated with a reach truck and / or counterbalanced forklift
- Requires good quality pallets or cartons



 More information see: www.dexion.co.uk/pallet-racking

Push-back Racking - gravity ensures access



Push-back racking is a high density application with up to 6 pallets in depth where pallets are picked and delivered at the front of the racking. Gravity brings the next pallet, to be picked, to the front of the racking.

- High density storage
- Meets LIFO requirements
- Either short-side or a long side handling of pallets.
- Loading and unloading on the same side
- Can be operated with a reach truck and / or counterbalanced forklift



More information see: www.dexion.co.uk/pallet-racking

Mobile Pallet Racking - MOV0 - electronic aisle movement



Mobile pallet racking is a remote controlled application, where pallet racking, mounted on mobile bases, moves along rails set into the floor to create a picking aisle. This provides better floor utilisation and saves space.

- High density storage
- Full access to all pallets
- Can be designed for varying sizes of pallets
- Requires only one truck aisle
- Meets FIFO requirements
- Suitable for cold stores
- Integration with WMS



More information see: www.dexion.co.uk/pallet-racking

Carton Flow

- efficient and ergonomic low level picking



Carton Flow allows efficient picking of small goods on lower levels in a pallet racking system.

A picking station is constructed of a rack fitted with sloping roller tracks used to transport the components, loading on one side and unloading on the opposite.

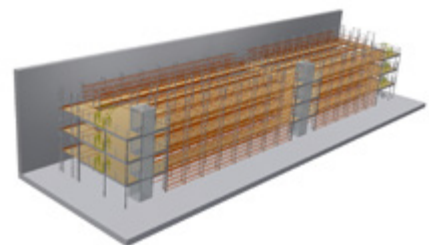
- Efficient order picking
- Supports carton and plastic bins
- Meets FIFO requirements
- For uniform containers



More information see: www.dexion.co.uk/pallet-racking

Multi-tier

- utilising the full height of your warehouse



Multi-tier pallet racking provides the ability to build walkways within the various levels of pallet racking, creating manual pick lanes at height. This type of structure can be more economical and a better utilisation of space than with some mezzanine floor arrangements. Ideal for cartons, boxes and garment storage.

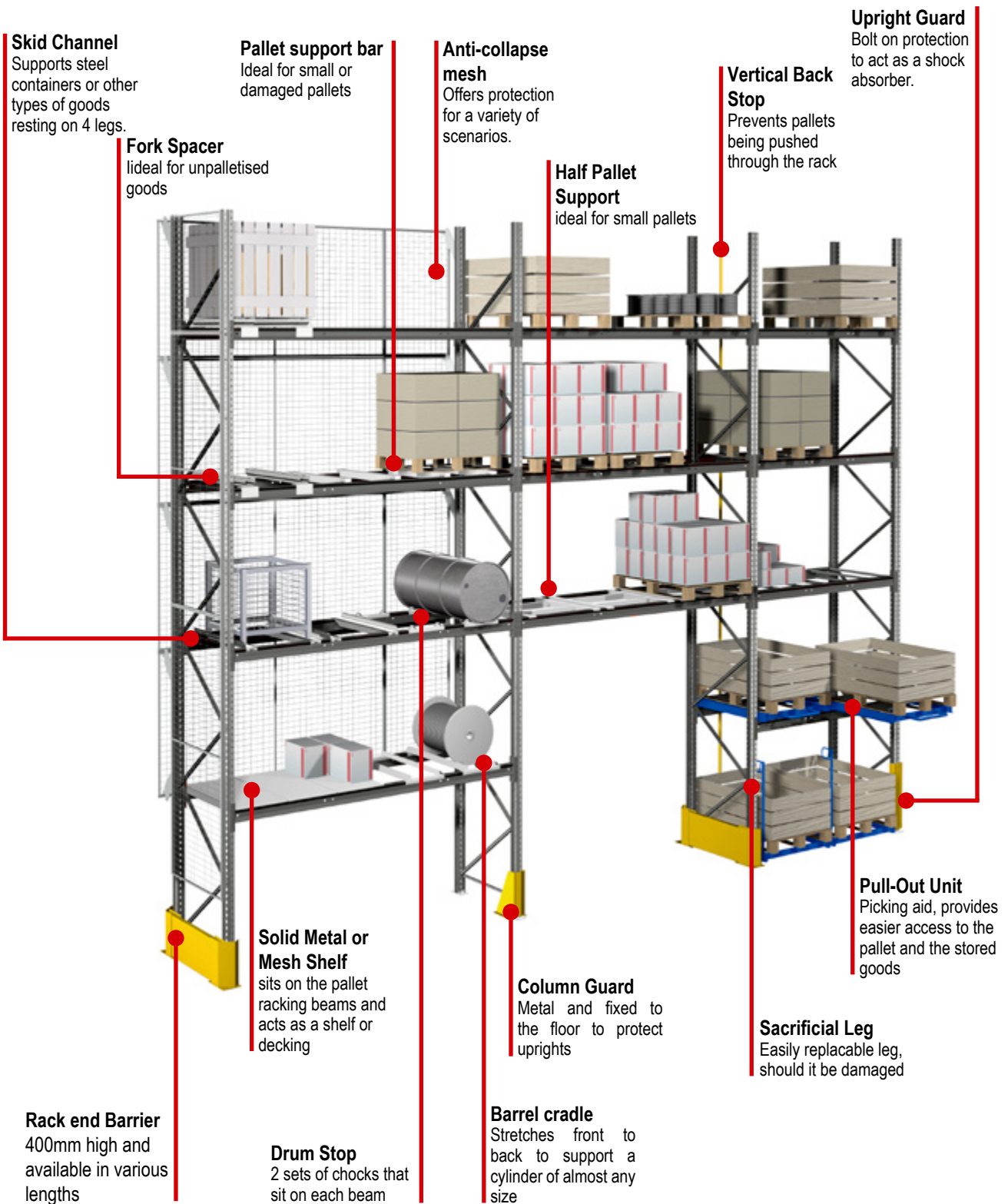
- Utilises the full height of the building
- Optimises your floor space
- Allows order picking on multiple levels
- Can combine pallet storage and small goods storage
- Supports FIFO and LIFO



More information see: www.dexion.co.uk/pallet-racking

Accessories

With the right accessories you can adapt every pallet racking system perfectly to fit your particular needs. Below is a selection of the accessories we offer.



Skid Channel
Supports steel containers or other types of goods resting on 4 legs.

Fork Spacer
Ideal for unpalletised goods

Pallet support bar
Ideal for small or damaged pallets

Anti-collapse mesh
Offers protection for a variety of scenarios.

Vertical Back Stop
Prevents pallets being pushed through the rack

Upright Guard
Bolt on protection to act as a shock absorber.

Half Pallet Support
ideal for small pallets

Solid Metal or Mesh Shelf
sits on the pallet racking beams and acts as a shelf or decking

Rack end Barrier
400mm high and available in various lengths

Drum Stop
2 sets of chocks that sit on each beam

Barrel cradle
Stretches front to back to support a cylinder of almost any size

Column Guard
Metal and fixed to the floor to protect uprights

Pull-Out Unit
Picking aid, provides easier access to the pallet and the stored goods

Sacrificial Leg
Easily replaceable leg, should it be damaged

Aftersales & Service

-Keep your warehouse safe

The daily moving of goods is likely to cause some knocks and damage to your storage system. In the long run, these minor defects can change the capacity of shelving or pallet racking and lead to incidents that could possibly cause damage to both man and material.

Regular inspections will minimize the effect of these incidents by identifying crucial damage at an early stage. Our inspectors are highly experienced and certified. They provide yearly inspections to keep your facilities safe and up-to-date. Every inspection is followed by a comprehensive report with an easy to



understand traffic light system and a quotation for any replacement parts. When fully approved, you receive an official certificate of approval until the next inspection date.

More information see: www.dexion.co.uk/warehouse-safety

The benefits of a Dexion rack inspection:

- Comprehensive professional inspection
- Certified and experienced inspectors
- No interruption to operations
- Detailed inspection report
- Prevention of damage to people or goods
- Extending life span of storage equipment
- Early risk discovery minimizes future repair costs
- Repair work can be completed quickly
- Provides independent expert to assess equipment



Protection Devices

Keep your warehouse safe with the correct safety accessories. See below for a small section of what is available.



Floor mounted Column Guard
Protection for pallet racking uprights.



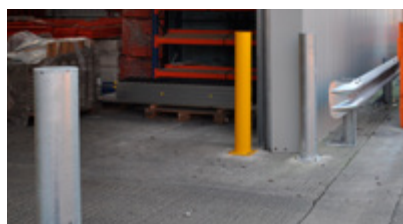
Snap on Column Guard
Absorbs large impacts and attaches to a column without additional fasteners.



Upright Guard with foam
Upright guard with shock absorbing foam inside.



Frame Protectors
Ideal for protecting vulnerable areas from fork lift impacts.



Bollard
Metal safety bollards are available in Painted or Galvanised finish.



P90 Tubular Barrier
A Strong 500mm High Metal Tubular Barrier for rack end protection.

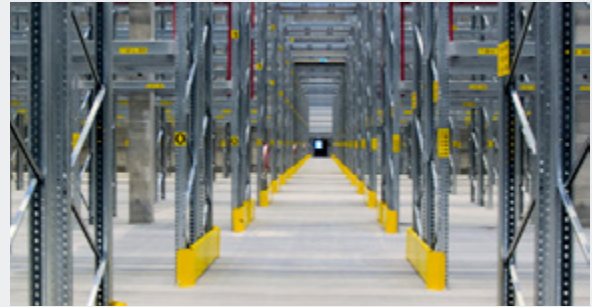
More information see: www.dexion.co.uk/p90-accessories

Customer Solutions

- P90 Pallet Racking

LARGE LOGISTIC CENTRE

18,430 pallet places were needed for the new logistics centre of **Multiline** in **Denmark**. Pallet Racking 11.5 meters high with 5 and 6 levels were installed. The height to the first supporting level was 2,630 mm, which required the use of a heavy duty box beam on the lowest supporting level.



VARIOUS PALLET SIZES WITH OVERHANGING STOCK

Meiners Saaten in **Germany** wanted to store pallets of different measurements. This was easily realised using a mobile installation (MOVO) of 2 blocks. Together they provided a total capacity of 3600 pallet places. One year later two additional smaller blocks were added and they are now able to store more than 5200 pallets.

MULTI PRODUCT SOLUTION

In order to optimise the internal processes of **Svenska Smaksupplevelser** in **Sweden** several different solutions were implemented in the different warehouses, including Wide Aisle Racking, mobile pallet racking (MOVO) and pallet flow systems.



More information see:
www.dexion.co.uk/references

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