

# PALLET RACKS

*lifting heavy weights!*



**Systems Design**







## Secure storage for heavy loads

Heavy and large-sized pallet goods are particularly challenging for rack systems – which SCHULTE Lagertechnik meets with its convincing technical solutions. Our **pallet racks hold extreme shelf and bay loads** and provide you with smooth loading and unloading with storage devices.

### Always available for your warehouse

The logistical requirements for warehouses are high: Just-in-time alignment to new goods, minimal downtimes and maximum capacity. **SCHULTE Lagertechnik therefore keeps everything available for you.** Pallet systems, spare parts and an extensive range of accessories for any size of requirements are stock-piled by us ready for dispatch and waiting for prompt delivery.



### Properties

- height up to 12 m
- bay loads up to 30 t
- shelf loads up to 5.400 kg
- height-adjustable bar (50 mm grid)
- mounting and removal using storage devices
- optimal storage of flat pallets, lattice boxes or other loading devices **with system accessories**
- also suitable for installing throughput, input and first-in first-out machines



## Reference example: furniture warehouse

### The challenge

As part of its expansion, our customer set up a new furniture warehouse in Bochum – planned and executed by our expert team. The requirements and prerequisites were various: a variety of product and stored good sizes, a very high goods turnover, the largest storage space concentration possible, flexible ranges, smooth customer service and the greatest level of work safety. With our logistics and production competence, we developed an individual solution.

### The problem

Goods of various dimensions and a rapidly changing range required a high level of flexibility

The complete range of a furniture shop must be stored in the smallest possible space.

The picking speed had to be maximised for smooth customer service and rapid work processes.

There were especially high requirements for work safety.

### Our solution

- Specially made pallet racks with adjustable rack depths and bay heights
- Use of highly stress-resistant racks for pallets and Corlettes.
- Heavily compacted rack construction for optimal use of space
- Optimisations for reduced process times: Loadable and unloadable racks on both sides, short main and picking routes for storage devices, storage room concentration through optimised racks
- Special skirting protection with crash barriers to prevent running into rack rows



*Individually adjustable rack systems make maximum use of the storage space and hold goods of various formats.*



*... from the pros!*

**Frame**  
with framework struts  
and punch hole in the  
50 mm grid.



## The details

>> Pallet racks from SCHULTE Lagertechnik can take up to 30t of storage goods. An extensive range of accessories accessible at any time, e.g. frames, bars and push-through guards, allow for individual storage concepts, rapid adaptation and repairs. <<

**Push-through guard**  
prevents load units from  
being pushed through



**Brackets**  
welded to bars with stable  
hooks, loadable in pairs up  
to 5.4t



  
**Standard colours for racks,  
bars, frames**



*Optimised routes  
for storage devices guarantee low picking  
times in the furniture warehouse.*

## The result

A furniture warehouse was built with space for 2,400 Euro pallets and 1,800 furniture Corlettes. Flexible rack systems enable subsequent adaptations to various products and rapidly changing ranges.

- Storage capacity: 2,400 Euro pallets and 1,800 furniture Corlettes.
- Storage of various warehouse goods through adjustable rack depths and flexible shelf heights (1,500–2,700 mm)
- Rack system for heavy and bulky goods (height 6,500 mm, shelf load 2,450 kg, bay load 7,600 kg)
- Rapid order picking due to short routes and optimised rack construction
- A high level of work safety due to skirting protection with crash barriers, safety barriers and grid back walls



## Pallet racks to measure

No two warehouses are the same. We therefore produce **pallet racks for various sizes, loads and goods**. With our pallet rack modular system, you can put together a storage solution that meets your spatial and logistics requirements "to measure". A **comprehensive accessories range enables rapid adaptation and repairs** for your rack systems, naturally with short delivery times straight from our warehouse.



### Flexibility

- **Individual pallet racks** with modular system can be implemented
- **Flexible pallet storage** lengthwise and crosswise
- Production of frames and bars with a greater load capacity, individual colours and lengths on request
- Racks for pallets, long goods, barrels, sheets and panels available
- **Comprehensive accessories range** for adapting to new warehouse goods and modified requirements
- Also suitable for installing throughput, input and first-in first-out racks

### Accessibility

- Rack systems, individual parts and accessories constantly on hand
- Prompt order processing
- Rapid delivery

## Briefly and concisely – your benefits:

### Load capacity

- **Ideal for heavy loads** – standard-sized up to 5,400 kg shelf load and 30t bay load
- **Storage of pallets** up to 1.8 t per pallet
- **High stability** due to one-piece, cold-formed frame profiles and bars in box form
- **High length and joint rigidity** through up to 5 stable hooks on the brackets