


**Storage Technology
For The Metal-Trade**



Cantilever Racks

Secure and organized storage – robust and flexible cantilever racks for the metal trade

The ideal storage system for steel, sheet metal or heavy metal products. The flexible, highly adjustable cantilever arms move upwards and sideways in the event of impact. This system protects your materials from damage. To meet the unique needs of each customer all cantilever racks are custom produced, delivered and installed (if required).

OHRA cantilever racks are permanent and stable!

Robust, hot-rolled steel profiles for the load bearing elements of the OHRA cantilever racks create secure storage for your products. The high quality of the columns and cantilever arms guarantees a durable and economical solution for your metal stock. OHRA cantilever racks can be used internally or externally.

And without a single piece of folded sheet metal!

OHRA cantilever racks are designed for permanent use. The use of hot-rolled steel profiles instead of thin folded sheet metal enables a compact design capable of bearing high load capacities. Maximum storage capacity is achieved with minimal surface area.

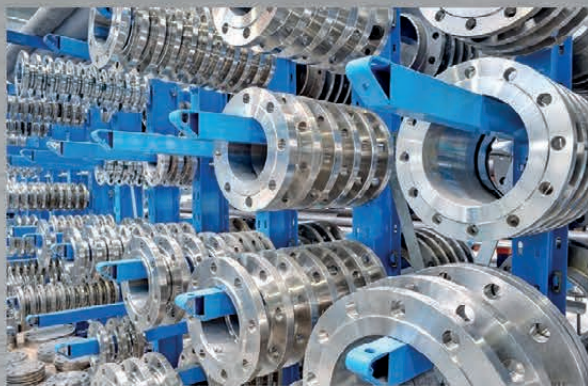
Economical storage solutions for your materials. Create more space with reduced storage costs!

The benefit to you:

- Columns and cantilever arms manufactured from solid, hot-rolled IPE steel profiles.
- The secure racking system for heavy loads
- Two-sided columns punched in a 100mm pitch
- Boltless, slot-in height-adjustable arms
- Unique clip in moveable arms (K&H system)
- No protruding edges on the storage space
- Solid material, no cavities for hidden rust formation
- Available with roof, rear panel and gutters for external use
- High-quality powder coating
- Hot-dip galvanized construction for exterior storage
- Storage system expandable at all times
- Large selection of accessories for individual customisation



Cantilever Racks



DHRA cantilever racks are individually planned and produced for all goods in the metal trade. Ideal for the storage of small parts or round material, all the way up to steel rings and coils.

Rack clad buildings



From covered racking to rack clad buildings

DHRA rack clad buildings perfectly unite necessary building functionality with the purpose of a conventional rack system. The frames/rack columns serve as supporting elements for roof and wall.

Independent building constructions are, therefore normally unnecessary. Individual design variations allow customization of your storage requirements. From planning, through the construction, manufacturing, delivery and installation – everything is from one source.



- Individual rack clad building designs
- Optimum use of storage space
- Building ends can be designed either as an open or closed end
- Various roof constructions
- Installation services offered
- Less expensive than a conventional warehouse with additional racking systems





Compact, secure and flexible storage

Storage systems must satisfy a variety of demands and strict workplace safety requirements, especially in the metal industry. They should be flexible in order to accommodate changing market demands and storage quantities.

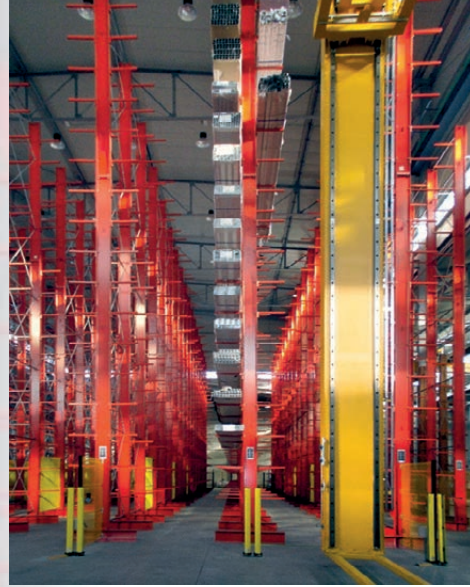
OHRA racking systems have proven to be compact and reliable in use, especially with heavy loads, for example, steel coils of differing weights and diameters or heavy cable rolls on pallets. This includes robust cantilever racks above all as well as hot rolled steel pallet racking.

- All major components are constructed of hot-rolled steel profiles.
- High carrying capacity with a compact design
- Individual and custom planning and production
- Compact, secure storage and simple, fast handling
- Maximum storage capacity on minimal surface area
- Expandable and convertible at all times



Racking
for heavy loads

Automation, mobile storage systems



Automatic storage systems

Storage optimisation through either partial or full automation of storage and retrieval operations. With high picking capacities, performance increases according to the "Goods-to-Man" principle. Depending on the requirements, one or more packages with either sheet metal or round material bundles can be removed for transport to the transfer station. Handling is done with an indoor crane or rack riser trucks.

- Most efficient handling capacity for picking orders
- From manual to fully automatic control, expandable at any time
- Interfacing to customer's ERP software via a module
- Operation of multiple lanes with one rack riser truck using cornering technology
- Investment costs are reduced as a result.

Mobile cantilever racks

Conventional cantilever racks are mounted onto an automatic handling system, which is pushed together or moved apart using rollers. For loading and unloading, the required aisle is opened using an electronically controlled drive.

- High efficiency and storage capacity thanks to optimised space utilisation
- Compact storage on small floor space
- Smooth starting and braking
- Optional remote control
- Simple track wheel system for smooth and long lasting operation

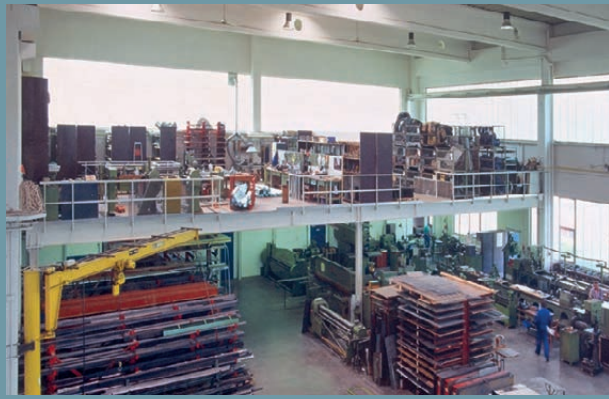


Mezzanines, supporting mezzanines

Optimal use of existing room heights. OHRA mezzanines are extremely versatile. Whether used as additional storage space, a picking area or as another sales area, the individual design options are universal.

The self-supporting construction can be installed in any existing building and can be customised individually according to the available space. The full building height may be utilised in this way. Combinations of mezzanine and integrated racking system are possible on an individual basis thanks to OHRA's robust design and modular system.

- Individual mezzanines or a rack supported mezzanine floor
- Additional second or third level possible
- Load capacities that meet your requirements
- Various floor coverings are possible, depending on requirements
- Wide assortment of accessories, such as stairs, railings and transfer stations



Cantilever racks with inclined arms

Highly resilient cantilever racks with inclined cantilever arms are the ideal storage system for handling round material using your indoor crane.

Using smart accessories like storage and commissioning tube profiles, the merchandise can be stored and handled securely from arrival until individual picking.

Plastic finishes provide non-abrasive storage for sensitive commercial goods like stainless steel.



Cantilever racks with telescopic arms

This well-engineered crane operation system allows the easily rolled storage levels to completely extend out, with a crank over rotatable spindles for loading or unloading from above. The individual frames are completely welded and installed units.

- Operable with crane, the storage compartment moves out
- Maximum space saving, lanes for forklifts unnecessary
- Stores lengths up to 25 m
- Up to 25 tons for each compartment
- Fast storage/stock removal with one person through direct access, without repacking

