



AHCON[®]
🇩🇰 MADE IN DENMARK

SMART AND PRACTICAL
TYRE STORAGE



TYRE STORAGE

For more than 20 years, FLEX1ONE has worked to provide a good tyre storage framework for customers in both Denmark and Europe.

This has given us plenty of knowhow on how our customers may best make use of any available storage capacity and create the optimum type of tyre storage. When looking for your new tyre storage solution, let yourself be inspired by our solutions and feel free to involve us in the process.

ONE SYSTEM WITH PLENTY OF OPTIONS

We have developed our own series of tyre racks under the brand name F1.

The system consists of beams and frames of various dimensions which may be combined to provide exactly the solutions required by our customers.

SINGLE RACKS

In a multitude of different dimensions – adapted to the room in question

TWIN RACKS

The single racks are assembled in pairs and placed back to back. May be built to many dimensions

MOBILE RACKS

The racks are mounted on mobile bases which may be pushed together closely

LEVEL RACKS

The racks are assembled in 2 or more tiers divided by grating floors

MEZZANINE SOLUTIONS

An extra storey is built into the room, on which tyre racks are installed

HEAVY DUTY TYRE STORAGE

Systems for the storage of XL tyres and wheels

FACTS AND FEATURES

- An extremely flexible system which may be adapted to just about all types of storage facilities
- Streamlined colour combination of RAL 7016 and RAL 7042
- Easy to assemble
- Tested and approved for safety in Denmark



SINGLE RACKS - LOW

STORAGE OF CUSTOMER WHEELS IN 3 LAYERS

REFERENCE: At the premises of this customer, during the exchange of summer and winter tyres – and vice versa, customer wheels are stored in racks with in 3 layers. The wheels are loaded and unloaded from the shelves using a Hovmand W-Lift to avoid lifting above shoulder level.

SINGLE RACKS - LOW

Traditional tyre storage at floor level.



**RACKS WITH
3 TO 4 LAYERS
OF BEAMS**

FACTS AND FEATURES

- Built with 3 to 4 layers of beams
- Possible to extend with extra tyre racks
- May be placed in various positions in the workshop
- Does not require extra room height
- Available as complete starter and extension kits

Contact us for guidance on the optimum design of your tyre storage facility!



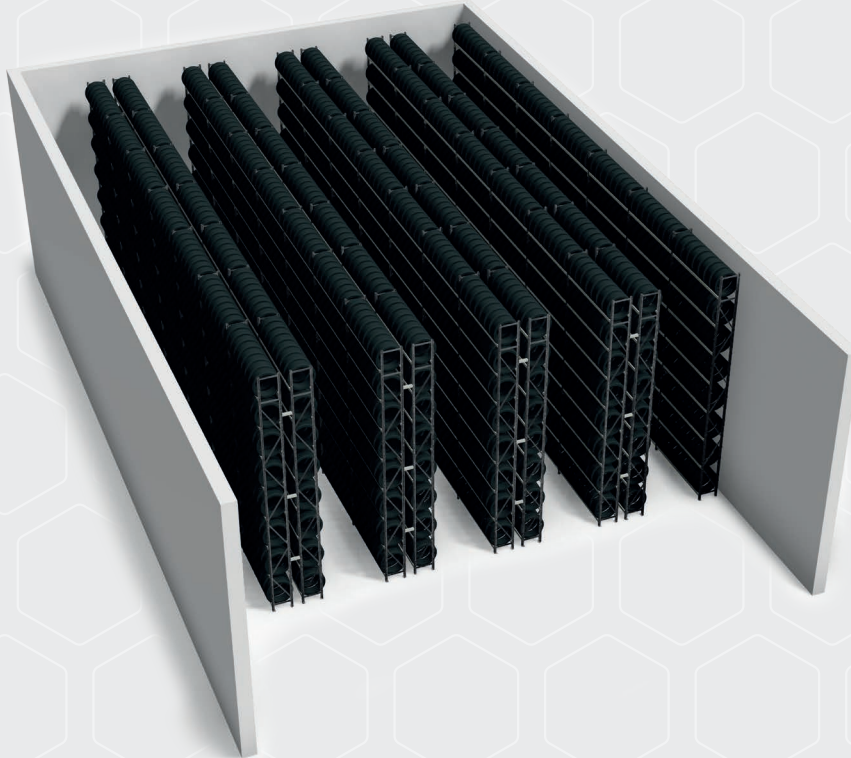
SINGLE RACKS - HIGH

STORAGE OF CUSTOMER WHEELS IN HIGH TYRE RACKS

REFERENCE: In connection with the new workshop acquired by this customer, a high-bay storage system for storing customer wheels was established. In this workshop, high-bay tyre racks with up to 9 layers of beams are installed. The wheels are handled using a Wheel Trolley Tower Lift.

SINGLE RACKS - HIGH

Make use of the floor-to-ceiling height of the workshop for tyre racks.



**TYRE RACKS
WITH UP TO
9 LAYERS
OF BEAMS**

FACTS AND FEATURES

- Optimum use of the available space in storage facilities with considerable floor-to-ceiling height
- Tyre racks may be built to a height of 6.0 metres
- The height of the racks makes it possible to have 9 layers of beams
- May be combined with the Wheel Trolley Tower Lift for loading and unloading from racks
- Create systematic customer wheel storage – and turn it into a business

Contact us for guidance on the optimum design of your tyre storage facility!



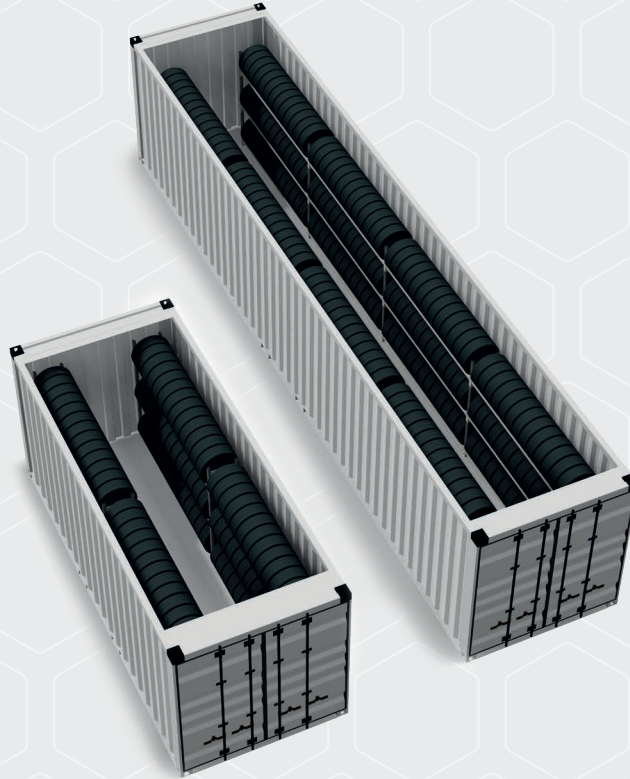
SINGLE RACKS IN CONTAINERS

STORAGE OF CUSTOMER WHEELS IN CONTAINERS

REFERENCE: Outside this customer's workshop, four 40 feet containers are positioned side by side and low tyre racks have been installed in these. The customer has established a ramp in front of the containers to ensure easy transportation in and out of the containers.

SINGLE RACKS IN CONTAINERS

Use containers to create extra square footage for tyre storage.



**COST-EFFICIENT
SOLUTION ON
LACK OF ROOM**

**EASY TO
INSTALL**

FACTS AND FEATURES

- Cost-efficient solution on lack of room
- Smart solution for temporary peak-load periods
- Several containers may be placed side by side
- Easy to install
- Available as complete container solutions

Contact us for guidance on the optimum design of your tyre storage facility!



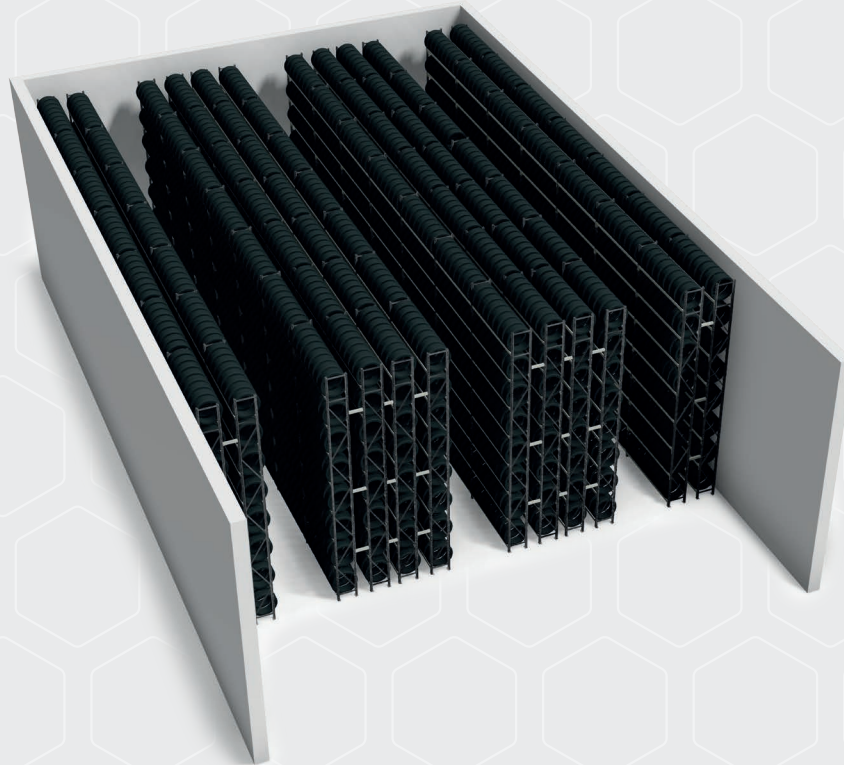
TWIN RACKS - HIGH

STORAGE OF CUSTOMER WHEELS IN DOUBLE HIGH RACKS

REFERENCE: In this customer's newly-established storage and workshop facilities, priority was placed on optimising the capacity for storage of customer wheels. The solution was TWIN RACKS built to a height of 6.0 metres. The wheels are handled using a Wheel Trolley Tower Lift.

TWIN RACKS - HIGH

Position the tyre racks back to back, build upwards and achieve maximum capacity.



**OPTIMUM USE
OF STORAGE
ROOM CAPACITY**

FACTS AND FEATURES

- Optimum use of storage room capacity
- Double-racks reduces square footage needed for walkways
- Tyre racks may be built to a height of 6.0 metres
- The height of the racks makes it possible to have 9 pair of beams
- May be combined with a Wheel Trolley Tower Lift for the loading and unloading from racks

Contact us for guidance on the optimum design of your tyre storage facility!



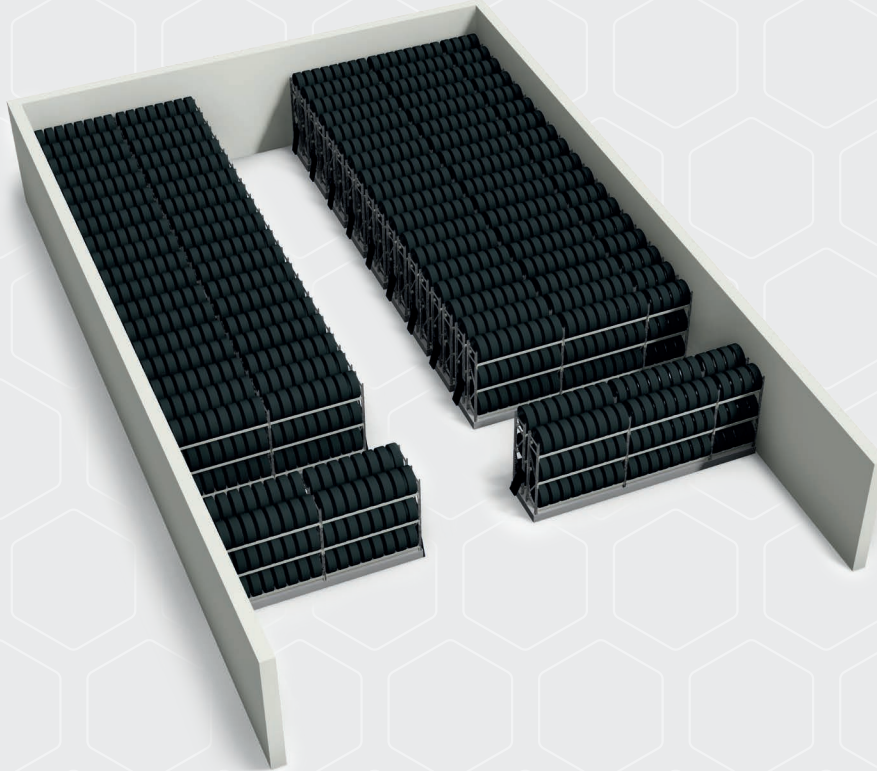
MOBILE RACKS

STORAGE OF CUSTOMER WHEELS IN MOBILE TYRE RACKS

REFERENCE: Customer wheel storage has been established in the newly-built premises adjacent to the workshop at this customer. To avoid using footage on walkways, the wheels are stored in mobile tyre racks with 3 pairs of beams. The wheels are handled using a Hovmand W-Lift.

MOBILE RACKS

Install the tyre racks on mobile bases and reduce the need for walkways.



**MINIMAL
NEED FOR
WALKWAYS**

FACTS AND FEATURES

- Mobile bases may be used for both low and high tyre racks
- Minimal need for walkways
- Easy to push several racks at the same time
- Use different types of lifts for picking wheels – see pages 25-29
- Extremely flexible and compact system

Contact us for guidance on the optimum design of your tyre storage facility!



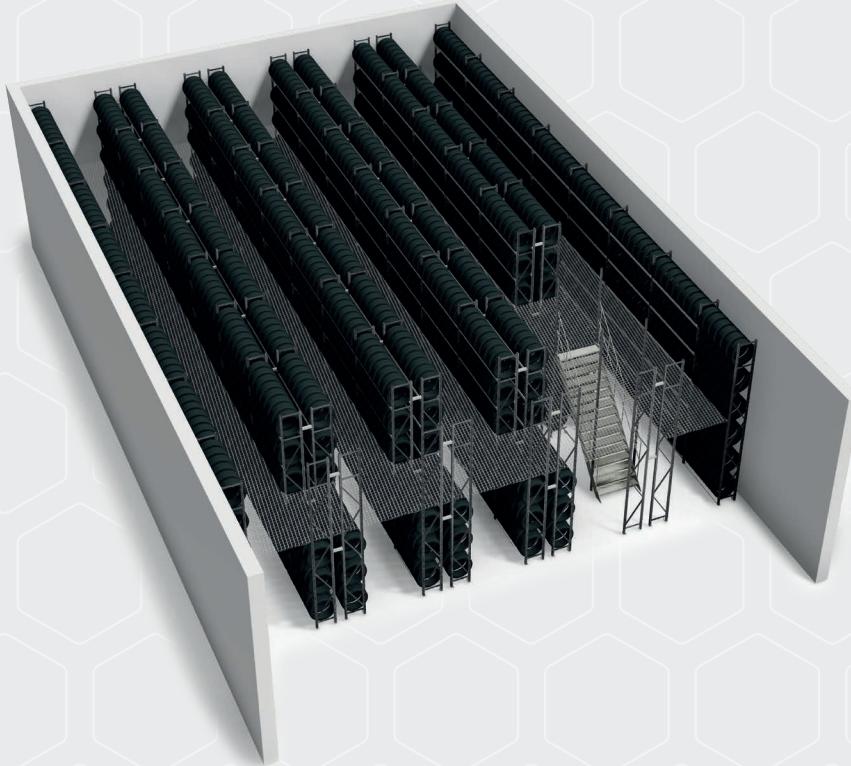
LEVEL RACKS

TYRE RACKS IN SEVERAL STOREYS

Facilities with considerable floor-to-ceiling height may be furnished with tyres racks in several storeys. This may be done by installing a grating floor as storey separator. Tyres and wheels may be transported to the top storey by means of a conveyor belt or a lift system.

LEVEL RACKS

Create an extra storey with tyre racks by building in a floor between the racks.



**MAKE OPTIMUM
USE OF THE
FLOOR-TO-CEILING
HEIGHT**

FACTS AND FEATURES

- Possible to make optimum use of the floor-to-ceiling height of the room
- An extra storey is created by installing a grating floor or light wooden boards
- Move wheels to the upper storey with a lift or a conveyor belt
- Access the top storey by a staircase
- The wheels may be handled by a small wheel lift, such as a Hovmand W-Lift

Contact us for guidance on the optimum design of your tyre storage facility!



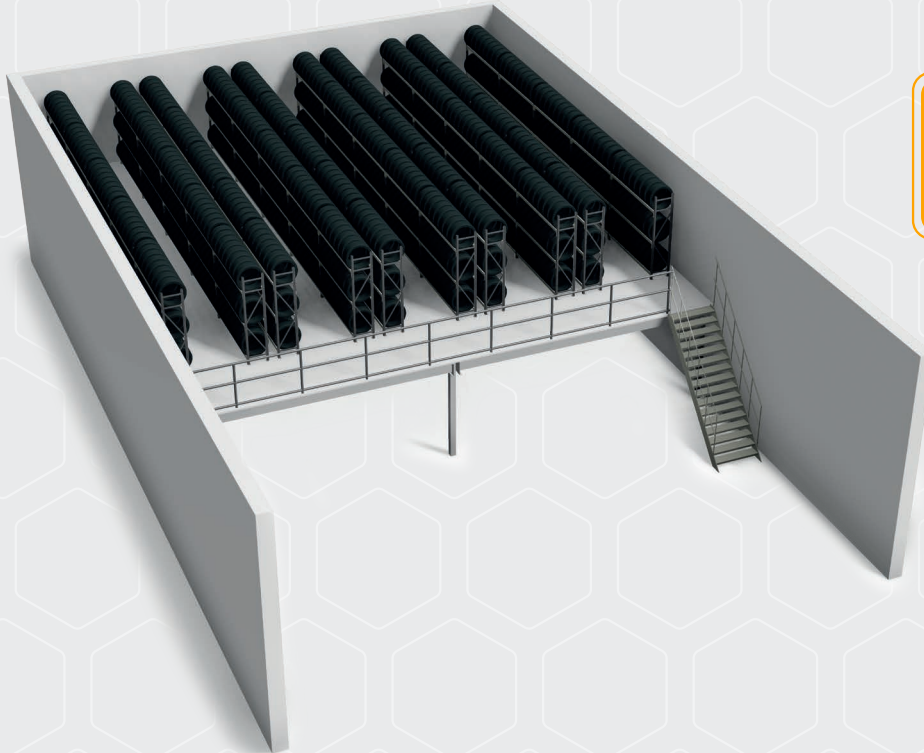
MEZZANINE SOLUTIONS

TYRE RACKS MOUNTED ON MEZZANINE

REFERENCE: Due to a need for storing many new tyres, this customer established a mezzanine in the workshop which provided tyre storage both on and below the mezzanine. Tyres are moved using a conveyor belt. The mezzanine makes full use of the floor-to-ceiling height of the room.

MEZZANINE SOLUTIONS

An extra storey is constructed in the room, on which tyre racks are installed.



**CHEAP
ALTERNATIVE TO
AN EXTENSION**

FACTS AND FEATURES

- Use the floor-to-ceiling height to create more square footage
- A mezzanine adds an extra storey to an existing room
- Tyre racks may be installed both below and on the mezzanine
- May also be used with mobile bases
- Move wheels to the first storey using a lift or a conveyor belt

Contact us for guidance on the optimum design of your tyre storage facility!



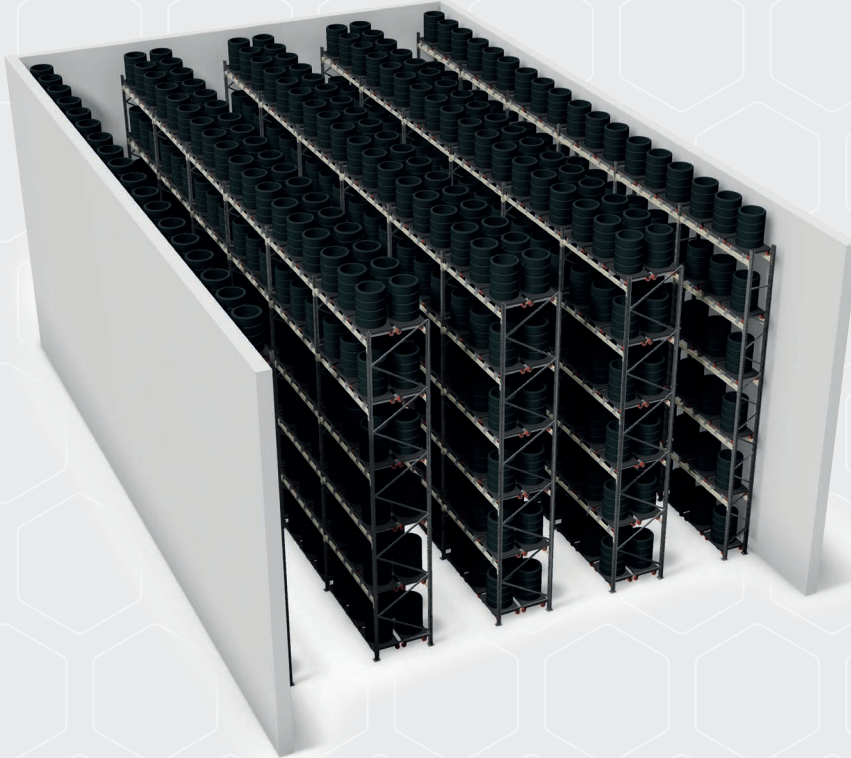
TYRE HOTEL

TYRE HOTEL WITH EXTREME CAPACITY

REFERENCE: A tyre hotel requires both significant capacity and very efficient handling, where time consumption per set of wheels is paramount. This customer stores and handles more than 80,000 sets of wheels for workshop customers. These wheels are moved in and out of the tyre hotel twice a year. All handling is done by using special trucks.

TYRE HOTEL

The solution for quick, efficient and safe storage and handling of many wheels.



**TYRE STORAGE
WITH
SIGNIFICANT
CAPACITY**

FACTS AND FEATURES

- Minimum time spent picking and moving around at the storage facility
- The wheels are stored horizontally on Wheel Pallets
- Wheel Pallets with wheels may be handled by truck
- The location of all wheels is managed using a barcode system
- All wheels are stored and handled on Wheel Pallets for high efficiency

Contact us for guidance on the optimum design of your tyre storage facility!



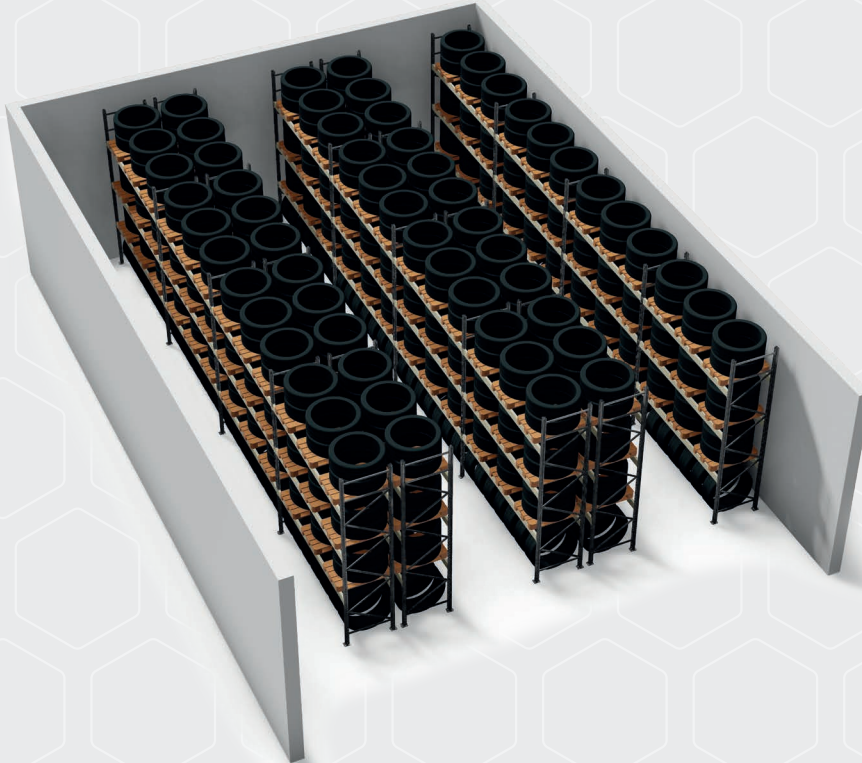
HEAVY DUTY TYRE RACKS

STORAGE OF HEAVY DUTY TYRES AND WHEELS

Large tyres and wheels are best and most efficiently stored in pallet racking. This is possible by a combination of two methods: Pallets with wheels are placed on the shelving beams and at floor level, rails are installed in the floor which keep the large tyres and wheels in place. An efficient solution for tyre workshops with many heavy duty assignments.

HEAVY DUTY TYRE RACKS

Efficient system for the storage of heavy duty wheels.



**EFFICIENT
STORAGE OF
HEAVY WHEELS**

FACTS AND FEATURES

- Wheels/tyres are stored in a system constructed from pallet racking
- At the bottom tier, wheels are stored vertically
- The bottom tier is made up of a rail in the floor
- In the remaining pair of beams, the large wheels are stored on pallets
- Safe and efficient storage of heavy wheels

Contact us for guidance on the optimum design of your tyre storage facility!



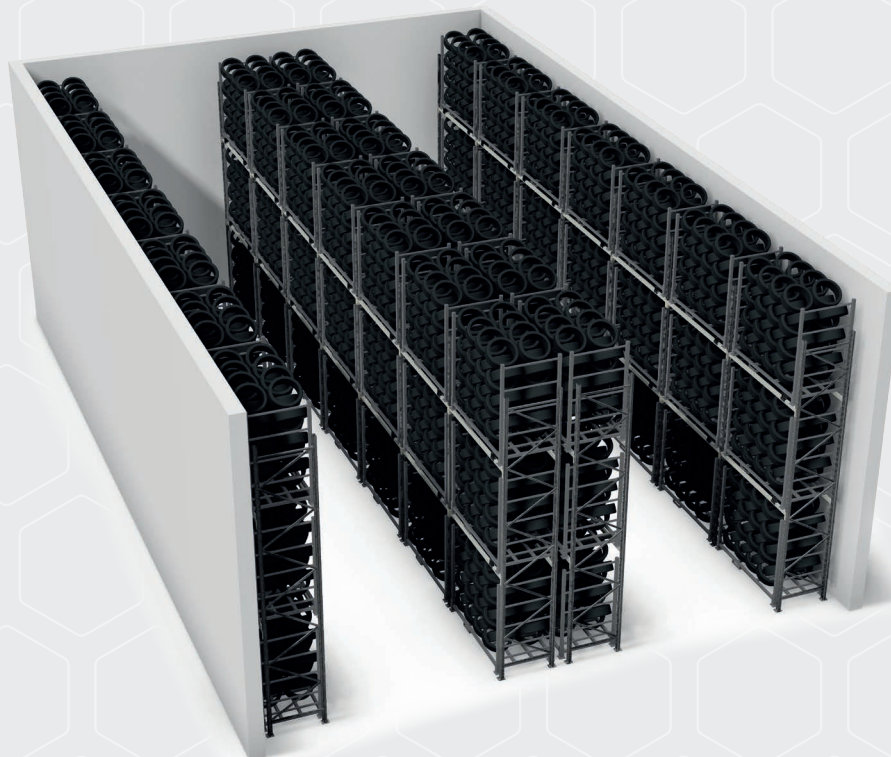
TYRE STORAGE IN BOXES

STORAGE OF NEW TYRES IN BOXES

For workshops with many new tyres, it is paramount that the new tyres are stored in an efficient and compact manner. Tyre boxes may be used for this, as they may be stacked and stored in pallet racking. Tyre boxes are available for both ordinary tyres and the very large heavy duty tyres.

TYRE STORAGE IN BOXES

Efficient and compact storage of new tyres – both ordinary and heavy duty tyres.



**FLEXIBLE
SYSTEM FOR
SMALL AND LARGE
WHEELS**

FACTS AND FEATURES

- The boxes may be stored in pallet racks or may be stacked
- The boxes may be folded and stacked when not in use
- Different sizes of boxes are available for different types of tyres
- The boxes may be easily handled by truck
- Very flexible system

Contact us for guidance on the optimum design of your tyre storage facility!



**COMPATIBLE
WITH WHEEL
TROLLEYS**

HOVMAND W-LIFT

WHEEL LIFT FOR TYRE RACKS IN 3 TIERS

In order to be able to correctly and ergonomically handle tyres and wheels in 3-tier tyre racks, we recommend the use of a wheel lift. The lift fits our Wheel Trolley which means that another ergonomically correct aspect is added to the entire process of handling and moving wheels.

HOVMAND W-LIFT

Lift trolley for ergonomically correct handling of tyres in 3-tier tyre racks.



**LIFTS 4 WHEELS
ON A WHEEL
TROLLEY**

FACTS AND FEATURES

- Ensures good ergonomics in the handling of tyres into tyre racks
- No more incorrect lifting below the knees or above shoulder level
- Tyres and wheels on the third tier are pulled out with a rake to the lift trolley
- Wheels may be handled directly on Wheel Trolleys
- Lifts 4 wheels on a Wheel Trolley



WHEEL TROLLEY TOWER LIFT 2.0 / 2.1

USER-FRIENDLY HANDLING OF WHEELS IN HIGH TYRE RACKS

Wheel Trolley Tower Lift is a compact and space-saving truck for the ergonomically correct handling of wheels in extra-tall tyre racks – at heights of up to 6 metres. Tower Lift has a customised tool at its front which is compatible with 2 of our popular Wheel Trolleys.

WHEEL TROLLEY TOWER LIFT 2.0 / 2.1

Lift for considerably user-friendly handling of wheels in high tyre racks.

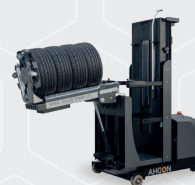


Wheel Trolley Tower Lift 2.0



Wheel Trolley Tower Lift 2.1

COMPATIBLE
WITH WHEEL
TROLLEYS



FACTS AND FEATURES

- Entry and exit on both sides
- Hydraulic function of front tilting tool
- Equipped with reverse camera and information display and three set speeds
- Wheels are handled directly on Wheel Trolleys
- Is available in two different models

Pictures, descriptions, details and specifications are available on our website: www.ahcon.com



HANDLING OF
WHEELS AND TYRES
IN TYRE RACKS AT
HEIGHTS OF UP TO
6 METRES

WHEEL TROLLEY TOWER LIFT 2.0 / 2.1

2 MODELS THAT CAN BE CONFIGURED INDIVIDUALLY

Wheel Trolley Tower Lift is available in two models in relation to lifting height – resp. model 2.0 (lifting height 5,3 metres) and model 2.1 (lifting height 6,0 metres). Both models are equipped with a lifting tool that is compatible with Wheel Trolley Standard and Wheel Trolley Off Road – and with a replacement of the lifting plate the Wheel Trolley EV can also be handled.



ERGONOMIC AND SAFE HANDLING OF WHEELS IN HIGH TYRE RACKS

With Wheel Trolley Tower Lift, you ensure a high degree of ergonomics and safety when handling wheels in tyre racks.

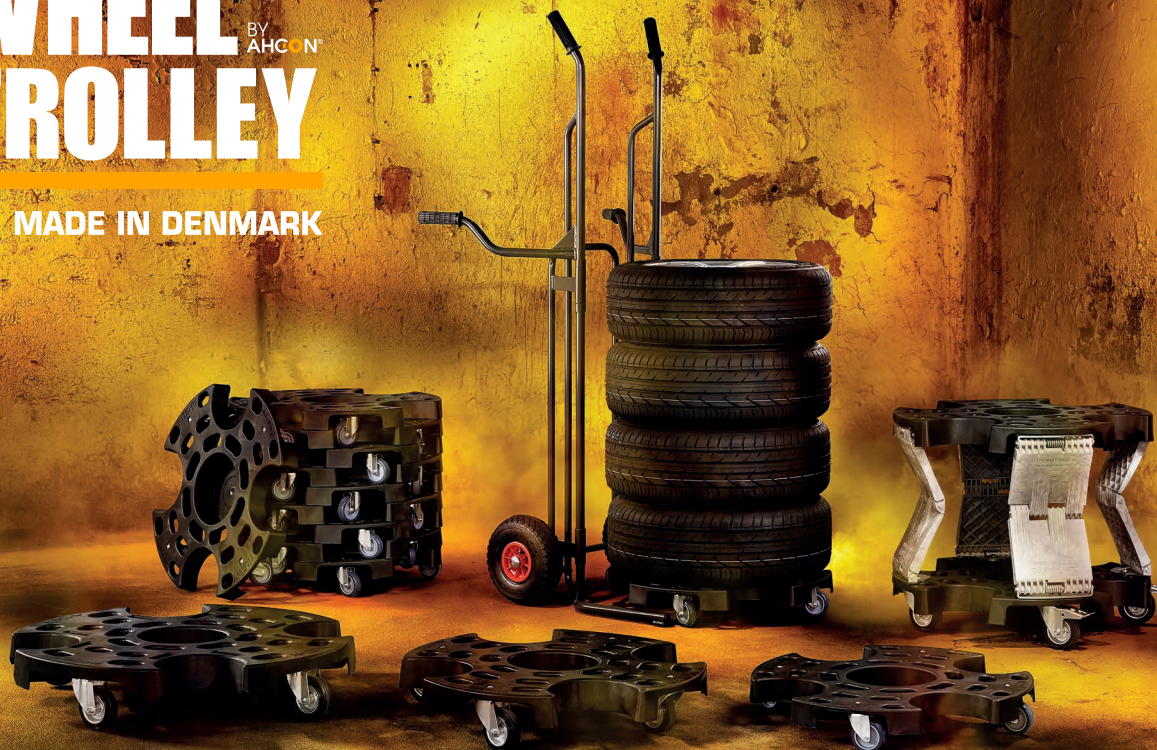
The mechanic drives up the lift to the desired height and handles the wheels here - there is thus no risk of dropping wheels down over himself, and all handling takes place by rolling the wheels onto the handling tool of the lift.

The actual handling in and out of the tyre racks takes place using Wheel Trolleys. The work can take place at an efficient pace, where the ergonomic considerations are still taken into account.

Contact us for advice and guidance and the right model for your tyre hotel.

WHEEL TROLLEY^{BY AHCON}

 **MADE IN DENMARK**



WHEEL TROLLEY BY AHCON

The Wheel Trolley is our own brand consisting of products which makes moving tyres and wheels in the workshop easy, ergonomically correct and safe. The first Wheel Trolley was constructed in Denmark in 2006 and we have subsequently developed a wide range of variants, drawing on our considerable knowhow. The products all share a focus on moving tyres and wheels in an intelligent manner. All Wheel Trolley products are manufactured and assembled in Denmark and several models find their use in combination with an effective tyre storage solution.

WHEEL TROLLEY RECYCLED

MAKE YOUR WORKSHOP MORE SUSTAINABLE

Wheel Trolley Recycled covers our complete range of round and square trolleys – and they are all available in the color black. They are made of excess material from the car industry and recycled parts from damaged cars.

For us it is a great joy to know that the use of recycled material reduces the emission of between 4 and 11 kg CO₂ per trolley – compared to our previous Wheel Trolleys. It is a very simple way to contribute to leaving a greener footprint on the world.

MAKE THE WORKSHOP MORE GREEN AND ENVIRONMENTALLY FRIENDLY



FACTS AND FEATURES

- Made of excess material from the car industry and recycled parts from damaged cars
- Reduces the emission of between 4 and 11 kg CO₂ per trolley depending on the model
- Available in 4 sizes – all in the color black
- Available with and without wheel brakes – see all variants on our website.



WHEEL TROLLEY RECYCLED STANDARD

FOR NORMAL-SIZED WHEELS // COMPATIBLE WITH AHCON LIFTING EQUIPMENT

A clever transport unit for normal-sized wheels and tyres. The Trolley is designed for either 8 tyres or 4 complete wheels. The Wheel Trolley is compatible with several different types of lifting equipment that can be used to raise the Wheel Trolley up and ensure an ergonomic working height. Compatible with Hovmand W-Lift and Wheel Trolley Tower Lift.



MAX LOAD

DIAMETER

HEIGHT



120 KG



Ø630 MM



110 MM



NEW
MODEL

WHEEL TROLLEY RECYCLED EV

FOR LARGE ELECTRIC CAR WHEELS

The diameter and lifting capacity are suitable for the transport of wheels from electric cars and larger passenger cars. When changing the lifting plate on the AHCON Wheel Trolley Lift and the AHCON Wheel Trolley Tower Lift it is possible to use these lifting tools for the new Wheel Trolley EV.



MAX LOAD

DIAMETER

HEIGHT



160 KG



Ø730 MM



110 MM





MAX LOAD

DIAMETER

HEIGHT



180 KG



Ø700 MM



150 MM

WHEEL TROLLEY RECYCLED OFF ROAD

**FOR TRANSPORT ACROSS UNEVEN SURFACES //
COMPATIBLE WITH AHCON LIFTING EQUIPMENT**

Wheel Trolley Off Road is with a diameter of 700 mm ideal for loading and transportation of mediumsized wheels and tyres – like van- and 4X4 wheels. Wheel Trolley Off Road is fitted with extra-large casters, making the transport on uneven surfaces easier – for instance across courtyards etc.



MAX LOAD

DIAMETER

HEIGHT



250 KG



Ø800 MM



150 MM

WHEEL TROLLEY RECYCLED XL

TRANSPORT OF XL-SIZED AND HEAVY WHEELS

The Wheel Trolley XL is suitable for the transport of SUV wheels, 4X4 wheels, van wheels and other large wheels. It is a completely indispensable tool for handling and transporting large and extra-heavy tyres around the workshop.



MAX LOAD

SIZE

HEIGHT



250 KG



600 X 800 MM



180 MM

WHEEL TROLLEY RECYCLED PALLET

SQUARE TROLLEY FOR MANY TYPES OF STORAGE

The Wheel Pallet is perfectly suited to mobile storage of various forms of goods, including tyres. In large warehouses and storage facilities for tyres, Wheel Pallets are used for tyre storage.

WHEEL TROLLEY RECYCLED EASY LIFT

AUTOMATIC HEIGHT ADJUSTMENT

Automatic adjustment of height in relation to the weight placed on the top plate. Wheel Trolley Easy Lift has many uses in the workshop – including mounting and dismounting of wheels, at tyre racks and as an ergonomically correct transfer to the tyre-changing machine.



MAX LOAD



180 KG

DIAMETER



Ø700 MM

HEIGHT



240-580 MM

PATENTED
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FACTS AND FEATURES

- The most ergonomic variant in our range of Wheel Trolleys
- Adjusts height in relation to the load
- Designed for 4 wheels and may be used for, amongst others, the mounting/dismounting of wheels
- Supplied with wheel brakes on 2 casters
- Constitutes a considerable improvement to the working environment when handling wheels

WHEEL CADDY

PRACTICAL SACK TRUCK COMPATIBLE WITH WHEEL TROLLEY

The Wheel Caddy is a highly functional tyre and wheel carriage. It is an indispensable helping hand when a Wheel Trolley including wheels is to be transported over slightly longer distances than across the workshop floor. The clever caddy is fitted with large wheels, which makes it easy to run on uneven surfaces, even when loaded.



MAX LOAD



200 KG

SIZE



820 X 820 MM

HEIGHT



1.680 MM



WHEEL BUDDY

HEAVY WHEELS AT AN OPTIMAL WORKING HEIGHT

Wheel Buddy is the perfect cart when mounting and dismounting wheels. The cart is intended for 1-4 wheels. The lifting frame of AHCON Wheel Buddy raises and lowers in relation to the load.



MAX LOAD



180 KG



HANG YOUR
TOOLS ON
THE BACK

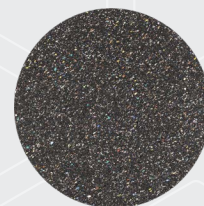


Pictures, descriptions, details and specifications are available on our website: www.ahcon.com

WHEEL TROLLEY ANTI-SLIP

PREVENTS WHEELS FROM SLIDING OFF THE WHEEL TROLLEY

Avoid that wheels and rims slide off the wheel trolley. Wheel Trolley Anti-slip are round rubber mats that can be placed between complete wheels or rims that are stacked. Wheel Trolley Anti-slip is made of recycled rubber granules and has a width of 600 mm and 700 mm – and fits thereby perfectly to all Wheel Trolleys by AHCON.



DIAMETER



Ø600/700 MM

HEIGHT



3 MM

WHEEL SUPPORT

EASILY CLICKED ONTO THE BEAMS OF A TYRE RACK

Provides support for wheels in tyre racks and separates sets of wheels from each other.

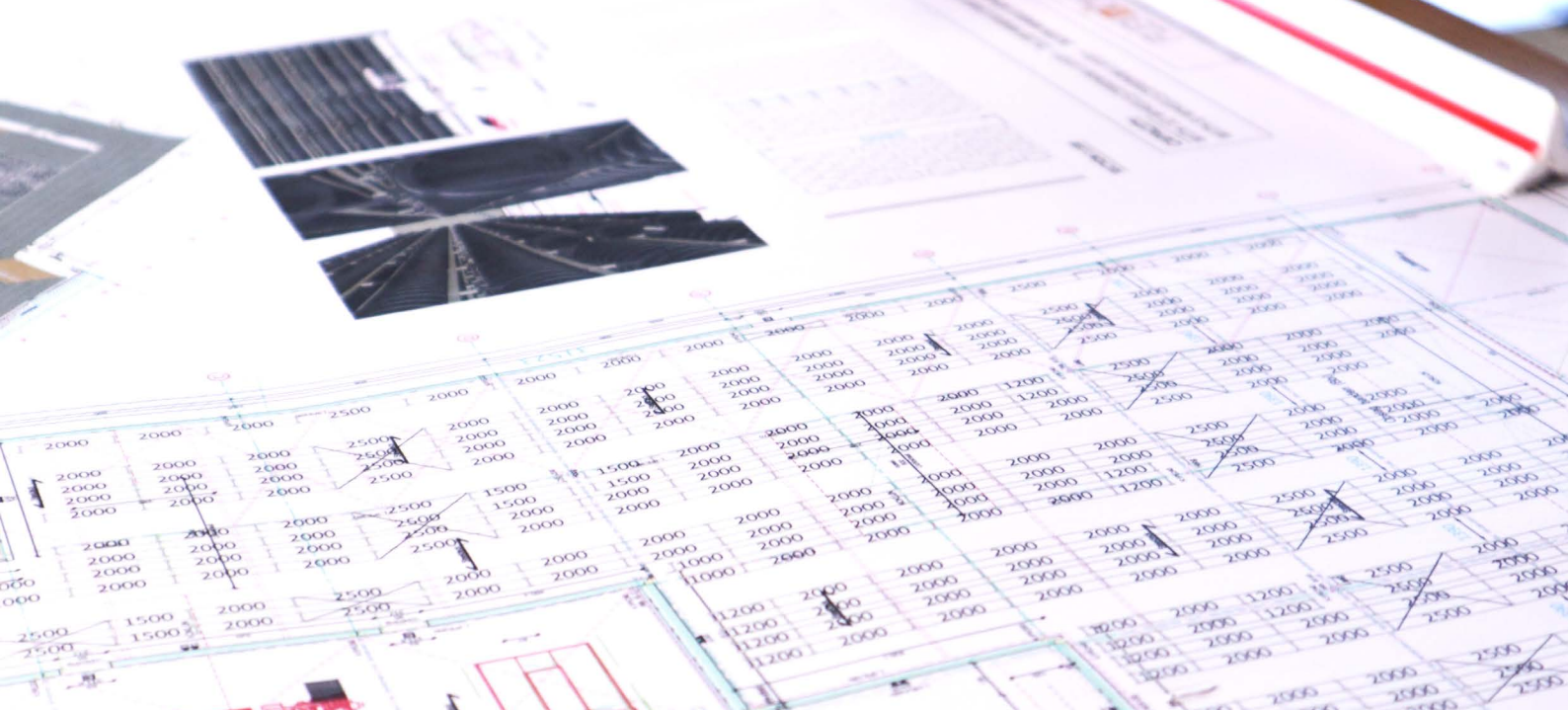
HEIGHT



350 MM

BOXES
WITH
20 PCS





EXPERT GUIDANCE IS THE KEY TO A SUCCESSFUL PROJECT

MAKE OPTIMUM USE OF THE SPACE AVAILABLE WHEN DESIGNING TYRE STORAGE

It may be difficult to see how a tyre storage facility may be furnished to ensure the necessary capacity and in order to optimise all work processes.

We have significant experience in the furnishing of tyre storage facilities and would be happy to make our knowledge available to you to ensure the success of your project.

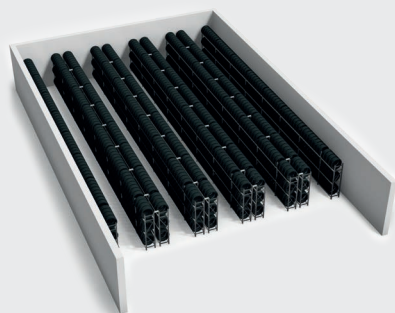
We tailor solutions to precisely fit your premises – and your needs.

Contact us for advice, guidance and suggested plans.

SINGLE RACK – LOW

CAPACITY

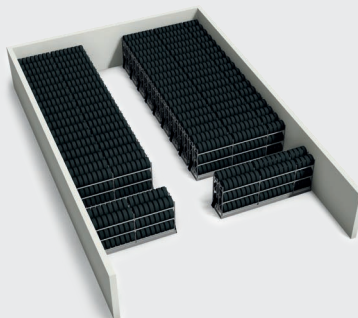
100%



MOBILE SINGLE RACK – LOW

CAPACITY

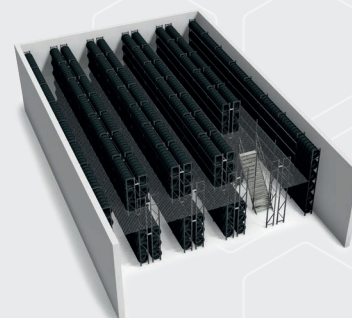
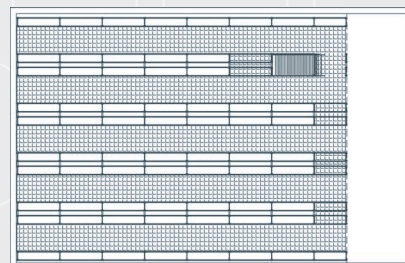
127%



LEVEL RACK

CAPACITY

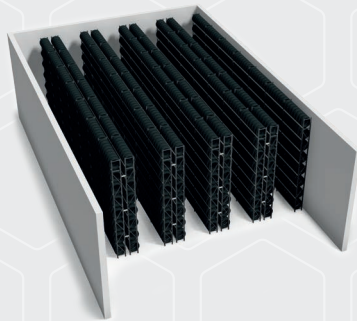
182%



SINGLE RACK – HIGH

CAPACITY

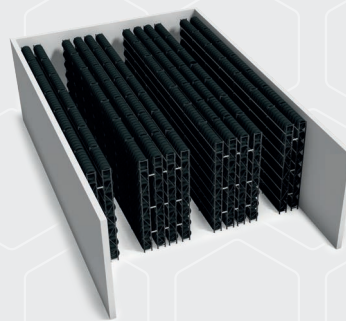
224%



TWIN RACK – HIGH

CAPACITY

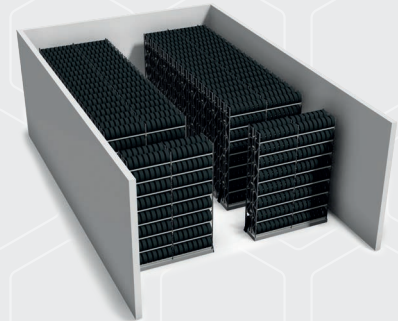
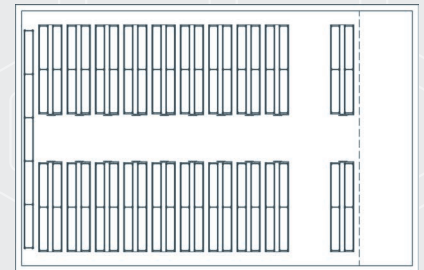
298%



MOBILE SINGLE RACK – HIGH

CAPACITY

302%



**CONTACT US
FOR ADVICE**



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F1 tyre racks are one of the important cornerstones of our own complete range of inventory systems, which collectively go under the brand name F1. The F1 inventory system consists of a large number of different products, which together form many types of storage facilities and complete storage solutions. All F1 inventory products are stocked in Denmark - and can thus be quickly delivered to customers both at home and abroad.