



# Equipment for Warehouses and Transport



**Your Logistics Partner**

# Philosophy of the company.

**The growth of the company depends on us setting and achieving realistic goals and providing a positive future for our employees and customers.**

- To anticipate and achieve the goals of our customers
- To ensure our products are reliable and achieve maximum life and usage for our customers
- Maintain our current customer base and continually find new customers
- The pricing always reflects the quality of the product
- The advice we provide is factual and free
- To maintain competitive prices without compromising the quality
- Employees always work in a safe and harmonious environment
- Employees and directors enjoy a 1:1 relationship and promote success
- To ensure our profit margins allow for research and development and find new markets to conquer
- To keep independent and unique

**How we give our customers maximum benefits:**

- Products are functional, efficient, economically rational and save energy
- Giving good advice on individual concept and design
- Provide solutions for logistical problems and demands
- Respond to our customers demands
- Keep promises of delivery if it is within our control and keep our customers informed
- We take our customers problems seriously as if they were our own and always find the right solution.
- In every situation we are fair to our business partners.

In brief, our policy is:

***Fair, Flexible, Functional, Competent and Fast***

## Safety Standards

**Our Stack Cages and Multi-Boxes are manufactured and tested under the strict guidelines laid down by TÜV Product Service to the standard of GS (Geprüfte Sicherheit)**



**Future Technical improvements to our products may slightly change the appearance to those illustrated in this brochure.**



## Transport Equipment for all Industries

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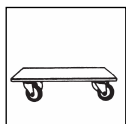
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# Stack Cage "HD" (Heavy Duty)

## Stack Cage "HD" 120 and 200

This equipment is universal in any industry or wholesaler.

A flexible transport system for your production area and warehouse.

The stacking ability avoids the use of static racking and when not in use the equipment folds efficiently away leaving the floor area clear.

The cages are designed to make maximum use of transportation, loaded side-by-side, they use up the whole floor area of the vehicle optimising the space and avoiding load movement.

The cages are constructed from quality steel and workmanship that protects your products. The paint finish is a baked powder process, which results in a highly resilient finish.

### Possible uses:

- A transport system from component production, sub assembly to assembly facility without **unnecessary** handling (just-in-time)
- Stocking – Finished product from the wholesaler to the retailer without **unnecessary** handling
- Transport finished products to distribution points, stocked in cages without **unnecessary** handling

The heavy-duty stack cage has the capability to handle heavy items that are efficiently transported from one area to another.



Cage showing wallet for goods I.D.



Stacked two high





# Stack Cage "HD" (Heavy Duty)

## Stack Cage "HD" 240



stacked 3 tier



"Roll on - Roll off" Transportation Dimensions for standard vehicle width.

## Technical Data

External	HD 120	HD 200	HD 240
Width	1200 mm	2000 mm	2400 mm
Depth	1150 mm	1150 mm	1150 mm
Height	1950 mm	1950 mm	1950 mm
Internal			
Width	1070 mm	1870 mm	2270 mm
Depth	1100 mm	1100 mm	1100 mm
Height (Overall)	1720 mm	1720 mm	1720 mm
Floor Height	230 mm	230 mm	230 mm
Gross Weights / Stacked	800 kg / 1200 kg	800 kg / 1200 kg	800 kg / 1200 kg
Unladen Weight	90 kg	110 kg	130 kg

**Optional Equipment:** Skates for racking, locking wheels, adjustable shelf, Coupling for forklifts and other cages, safety straps and ID wallet.

Allow a small tolerance on all measurements in accordance with German DIN 8570C

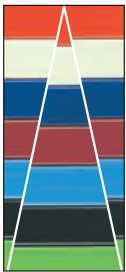
All Types fold and store if required



# Stack Cage "HD" (Heavy Duty)

## Advantage of the Stack-Cage "HD"

- Robust** – Cages are built of top quality steel and designed for extensive use
- High stability** – The U profile base construction with double welds gives the frame added strength (Fig.1)
- Durable and lightweight** – Polyamide 125 mm Diameter wheels mounted in strong carriers
- Wheel radius lock** – (Fig.1) for parallel movement on uneven surfaces
- Stack support bars** – are designed to fit safely into the U profile base
- Inset skates** – are optional for the use on special 750-800 mm deep racking.
- Optional** – removable bars (Fig. 3) or centre shelf (Fig. 4) for special equipment



Large selection of paint finishes. (price on request)

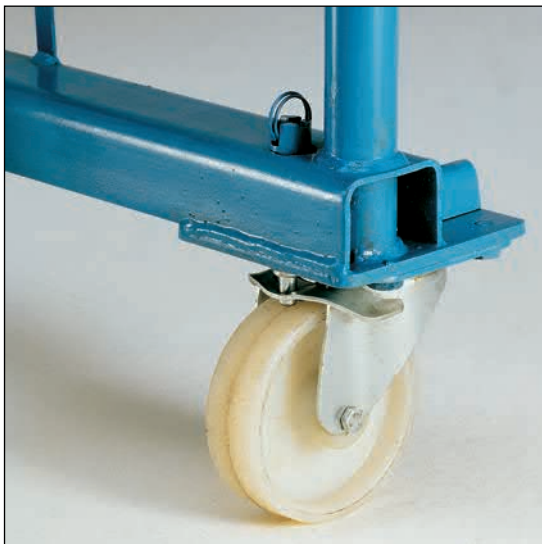


Fig. 1, Showing double weld and sprung radius lock.



Fig. 2, Showing removable centre bars. E.g. in special order.



Fig. 3, Inset skates for storage on 750-800 mm deep racking.



Fig. 4, Showing removable centre shelf.



# Stack Cage "HD" (Heavy Duty)

## Stack Cage "HD" in flat and stacked storage

Illustrating the different uses of the stack cage at ground level ready for dispatch, stacked up to three tiers or in rack when fitted with optional skates. (Wide rack with supports between 750 - 800 mm).



Usable in various stock conditions



Floor storage, stacked up to three tiers



Stored in special racking 750-800 mm deep support bars

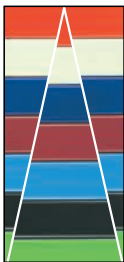
## Variable Systems trolley and DSB trolley

### Variable System Trolley

The variable system trolley is ideal for picking areas on production lines or areas where small parts need to be accessed and replenished. The flexible system of positioning shelves at any angle or at any height makes it suitable to carry various sizes of containers. Narrow shelves positioned side by side give the same accessibility either side.

### DSB Trolley

The DSB Trolley is designed for the carriage of cartons or containers that need to be distributed or collected for assembly areas. Ideal for getting down narrow aisles when stacking shelves etc.



Large selection of paint finishes. (price on request)



Technical Data				
	Width	Depth	Height	Weight
Variable System Trolley – Mod. 1	900 mm	700 mm	1750 mm	350 kg
Variable System Trolley – Mod. 2	1300 mm	900 mm	1750 mm	350 kg
DSB Trolley	2130 mm	680 mm	1850 mm	300 kg
Floors to specification: • Support Bars • Complete Shelves • Half Shelves				



## Plastic-Bailer

The Plastic Bailer compresses your waste plastic (ca. 1:4) into manageable bails for disposal or recycling. The bailer has a ratchet arm that compresses the bail and retains a roll of plastic strap to keep it compressed.

### Advantages:

- Ability to transport larger loads
- One man-safe operation
- Lightweight equipment
- Lightweight operation
- Mobile operation
- Quality construction



Loading waste plastic.



Telescopic arm for compressing.



Banding after compressing.

## Technical Data

- Strong construction with 4 mm steel
- Opening from two sides
- Telescopic compressing bar
- Waterproof construction
- Four steer-lock swivel wheels with foot operated brakes
- Finished in Powder Bake Blue (RAL 5012)

	Width	Depth	Height
Outside measurement	1200 mm	800 mm	1800 mm
Inside measurement	1000 mm	750 mm	1100 mm
Compressed load size	ca. 1 cbm compressed (from 4 cbm)		
Approx. Compressed weight	80 kg		

### Optional Equipment:

Bindband reel – Bindband carton – Bindband fastner tool – Rubber rail for transportation

Example with binding equipment



## Depot-Box / Roll-Safe / Stack Cage

**Examples of the specialist equipment that can be built to specification adapted from a range of standard products.**

### Depot-Box

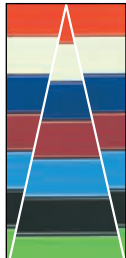
A must for all logistic organisations for safe-guarding tools and equipment or high value cargo. The box is totally mobile with a secure lock. Ideal for transporting from one site to another with duplicate keys at each site.

### Roll-Safe

A secure mobile cage with wire mesh on all sides and two strong locking doors across the front. Ideal for those small cartons or high value goods.

### Stack Cage

Standard stack cage with wire mesh back and sides. An adjustable front panel can be positioned at various heights to retain the load.



**Large selection of paint finishes.**  
(price on request)



## Technical Data

Product	Weight	Width	Depth	Height
Depot-Box	300 kg	1000 mm	800 mm	1600 mm
Roll-Safe	800 kg	1950 mm	1150 mm	1900 mm
Staple Box	See stack cage Data page			

Allow a small tolerance on all measurements in accordance with German DIN 8570C

## Overview Of The Special Uses

Koch has over 30 years experience in the handling and storage of furniture. We have developed techniques for efficient handling, storage and transportation of furniture, which has given us recognition throughout the industry.

Please contact us if you require assistance in planning your stock requirements, we are happy to give free advice on all aspects of logistic planning in connection with layouts and special requirements.

Special Uses For:	G Ground storage R Rack Storage	Palletised goods	Furniture Separates	Cupboards & Wardrobes	Upholstery	Flat Pack	Junior Bed-rooms	Uph. Beds	Sub. Ass Boards	Mattresses	Kitchens	Appliances	Small Furnit.	Page
<b>General Type</b>														
Jumbo Dolly	G		●	●							●	●	●	12
Polster-Bello 76	G				●									13
Classic/Concorde	G				●									13
Mini-Bulli/Bulli	G					●	●	●						14
Rail-Bulli	G					●	●						●	15
Multi-Box 130	G R with skates					●	●	●	●	●		●	●	16
Multi-Box 195	G R with skates	●	●			●	●	●		●	●			16
Multi-Box 270	G R with skates	●	●		●					●	●			17
Stack Cage	G R with skates				●				●	●	●	●	●	18
Flat Wagon	G	●	●								●	●	●	19
Other Builds	G	Special uses are shown on page												19



## Jumbo Dolly's

**A transport system with a million uses, universal, and almost indestructible. For stock or showroom and delivery to the customer.**

A plywood construction, with PVC covering around the top, sides and stapled to the underside. The wheels are made of strong robust material and completely maintenance free. A double roller bearing ensures a smooth swivel action for perfect steering.

### Possible Uses

For moving furniture in and out of stock simply and effectively, the standard Jumbo has castors fixed with a single bolt through the centre of the fixing plate.

For high usage and fast turnover of stock the Super Jumbo is more suitable as the castors are fixed with four bolts in place of the normal single fixing.

The hard plastic wheels are suitable for areas with a smooth surface or carpets. The wheels are shaped for a minimum of contact on the surface for ease of movement.

Economical and yet, their durability provides a long life cycle.

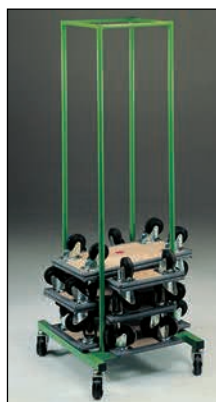
The rubber wheel version is for uneven surfaces especially over ruts and gravel. The rubber acts like a shock absorber. Larger 125 mm wheels are available for uses outside areas and jobs such as house removals etc.

**Jumbo.** Used singularly to move units or doubled up for larger units are ideal for cupboard unit components, storing them together for dispatch and eventual transportation. For kitchen components they become the platforms for worktops and loading up the cupboard components into one mobile unit.



### Jumbo Rack

The rack can be used to store up to 35 Jumbo's for display, storage or transportation.



## Technical Data

The castor wheel number determines the wheel diameter.  
Standard = Castor wheel with single centre bolt through the fixing plate.  
Super = Castor wheel with four bolt fixing through the fixing plate.

Discription	Castor wheel	Platform size	Gross weight	Platform height
Jumbo	58 Super Poly	300 x 600 mm	250 kg	90 mm
Jumbo	75 Stand Poly	300 x 600 mm	220 kg	110 mm
Jumbo	75 Stand Gummi	300 x 600 mm	200 kg	120 mm
Jumbo	160 Super Gummi	500 x 600 mm	500 kg	210 mm
Jumbo	200 Super Gummi	500 x 600 mm	760 kg	250 mm

### Options:

Other dimensions are available if required. Your company name embossed on the base.

## Polster-Bello 76 / Classic / Bello-Concorde

For rational transporting and storage of upholstered furniture.

**Possible uses:**

**Polster-Bello 76 / Classic / Bello-Concorde**

Various storage combinations 3-2-1 and 3-1-1-1 for example. The strength and durability of these trolleys make them suitable for all types of upholstery storage and transportation.

**Polster-Bello 76 with telescopic bars**

Telescopic tubes extend from the support beams to give extra space for storage (310 cm). i.e. Corner units, foot stands etc.



## Technical Data

All models are constructed of reinforced steel tube and fitted with durable 100 mm plastic wheels.

Model	Depth	+Extension Bar	Width	Height	Capacity	Net Wt.
Polster-Bello 76	2400 mm	–	890 mm	1230 mm	300 kg	27 kg
Polster-Bello 76 Extens.	2400 mm	3100 mm	890 mm	1230 mm	300 kg	31 kg
Bello-Classic	2060 mm	2800 mm	890 mm	1240 mm	300 kg	35 kg
Bello-Concorde	2060 mm	2800 mm	860 mm	1260 mm	300 kg	36 kg
<b>Height between each base:</b>		Polster-Bello 76		880 mm		
		Bello-Classic		900 mm		
		Bello-Concorde		900 mm		

All types interfold for easy storage.



# Flat Pack Wagon

## Mini-Bulli and Bulli

**A handy trolley to transport flat pack products. When loaded the Bulli is simply moved around the warehouse to the storage area or loading bay.**

### Possible uses:

The Bulli is very stable and ideal for transporting small items of bedroom furniture (not heavyweight cupboards with sliding doors). A typical example would be hotels where complete bedroom suite could be stored on one unit.

Ideal for tables, chairs and benches, the Bulli is the most popular wagon in the range, its three sided frame is rigid and functional in its ability to store away (see next page).



**Mini Bulli**



**Bulli**





## Rail-Bulli and Rail-Bulli Export



## Technical Data

- Stable steel construction
- Strong base that will store and lock vertically
- Long life 100 mm plastic wheels
- Radius lock on front left hand wheel
- Removable partition bar – holds up items during loading

Model	Width	Depth	Height	Load Height	Capacity	Net Wt.
Mini-Bulli	1750 mm	700 mm	1780 mm	200 mm	500 kg	42 kg
Bulli	1750 mm	700 mm	1780 mm	200 mm	500 kg	43 kg
Rail-Bulli	1750 mm	700 mm	1780 mm	200 mm	500 kg	54 kg
Rail-Bulli Export	1700 mm	700 mm	1780 mm	200 mm	600 kg	65 kg

### Options:

Foot operated wheel brakes – Document Wallet – Safety Strap

All types interfold for easy storage.



## Multi-Box 130 and 195

**The all-purpose, high volume cage:**

**Universal cages, for storing goods on the ground or with skates on special static warehouse racking with 750 to 800 mm cross bars.**

This universal equipment is practical and functional for **all** groups of products. Has the ability to store high volume without the use of special racking but can be stored directly onto special racking if required. Optional skates fitted to the underside of the cages makes storage suitable on racking with cross beams set between 750 to 800 mm apart.

### Possible uses:

#### Multi-Box 130

Ideal for finished furniture products such as mattresses and other bedroom furniture and kitchen appliances.

#### Multi-Box 195

The same as MB 130, but with higher capacity. High volume bedrooms, smaller kitchens and appliances.



The Multi-Box cage protects the load.



## Multi-Box 270

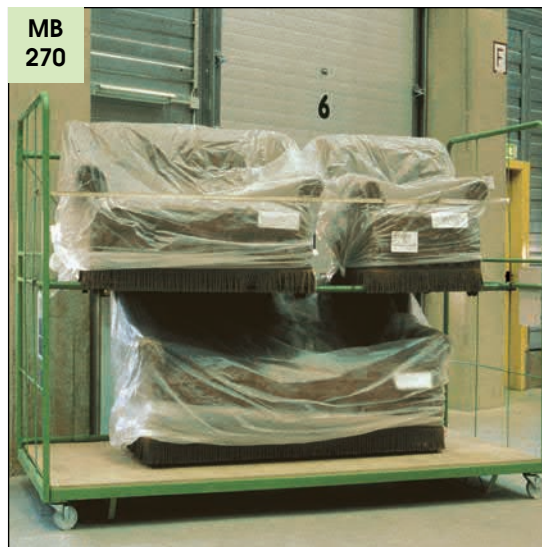
### Multi-Box 270

Suitable for all types of cupboards, mattresses and larger kitchens.

With optional cross bars the cage has the capacity to hold upholstery on two levels.



**MB 270**



With optional cross bars for second level.

**MB 270**



**MB 270**



## Technical Data

External	MB 130	MB 195	MB 270
Width	1300 mm	1950 mm	2700 mm
Depth	1150 mm	1150 mm	1150 mm
Height	1900 mm	1900 mm	1900 mm
Internal			
Width	1220 mm	1870 mm	2620 mm
Depth	1100 mm	1100 mm	1100 mm
Height	1690 mm	1690 mm	1690 mm
Floor Height	210 mm	210 mm	210 mm
Gross Weights	800 kg	800 kg	800 kg
Unladen Weight	65 kg	80 kg	105 kg

#### Options:

Skates for Rack-Storage Rails for stracking Upholstery Locking Wheels Document Wallet

All types interfold for easy storage.





# Stack-Cage

## Stack-Cage 130 / 195 / 270

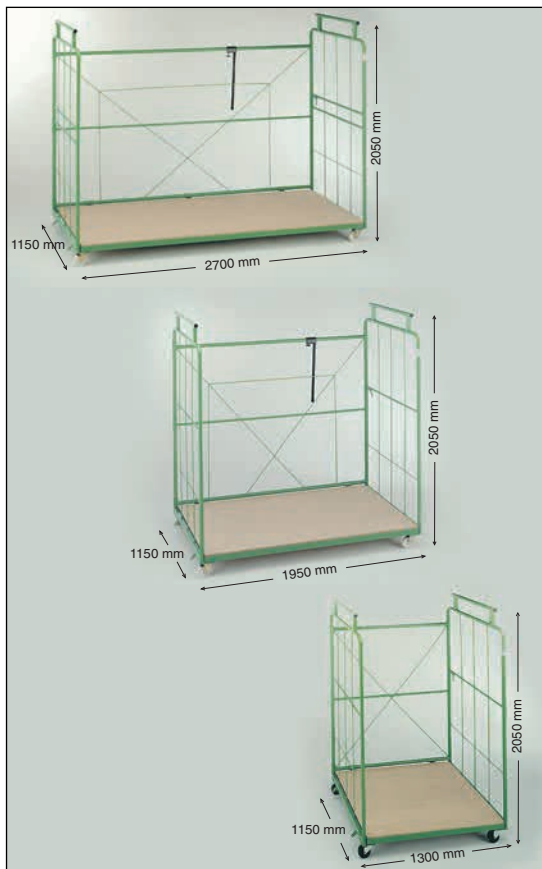
### Possible Uses:

Ideal for batches of identical stock, stacks up to three high and in large blocks avoids the need for aisles. Stock can be selected from the nearest top cage and rotated when replenishment takes place.

The solid construction allows a capacity of 600 kg on the ground cage and up to 900 kg combined on the upper two cages.



Block concepts in a warehouse environment.



Stack-Cage 130 / 195 / 270.



Stack-Cage (235 cm) for Mattress storage.

## Technical Data

The above cages have the same specification as the Multi-Box, except: Overall height is 2050 mm with a useable height of 1690 mm. Each cage has a useable weight capacity of 600 kg, when stacked to a maximum height of three cages, weight must not exceed a total of 900 kg in the 2<sup>nd</sup> and 3<sup>rd</sup> cages.



All types interfold for easy storage.

## Long Wagon / Drying Wagon Table Wagon / Flat Wagon

### Specialist industrial equipment.

#### Long Wagon

For transporting sheets of material that are required to be stored separated.

##### Two Versions

Distance between each layer:

With five levels = 350 mm

With eight levels = 180 mm

Each wagon is fitted with six 100 mm diameter wheels.

#### Drying Wagon

This useful wagon is designed to transport lacquered or painted boards during drying. Once loaded it can be immediately moved to a separate area.

Distance between each level = 88 mm

Capacity 500 kg. The two vertical centre arms are adjustable or removable, without the centre arms the capacity is reduced to 250 kg.

#### Table Wagon

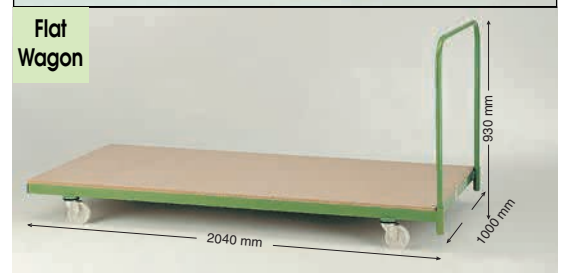
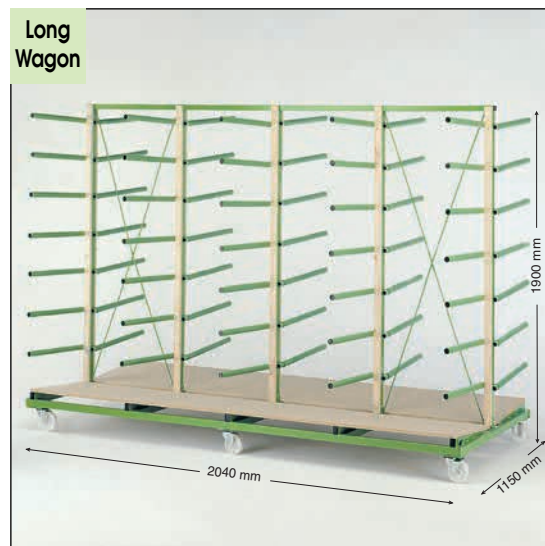
Upright bars, in three sizes can be adjusted to suit the load being carried. Suitable for transporting tables or flat board. The uprights come in three sizes 300, 600, or 900 mm and are adjustable down to 95 mm apart.

#### Flat Wagon

Suitable for stacking and transporting cupboards, cartons, and kitchens. Easy to move and avoids the need for a pallet truck. The handle is removable and the base is available in two sizes, 1000 mm and 1200 mm width

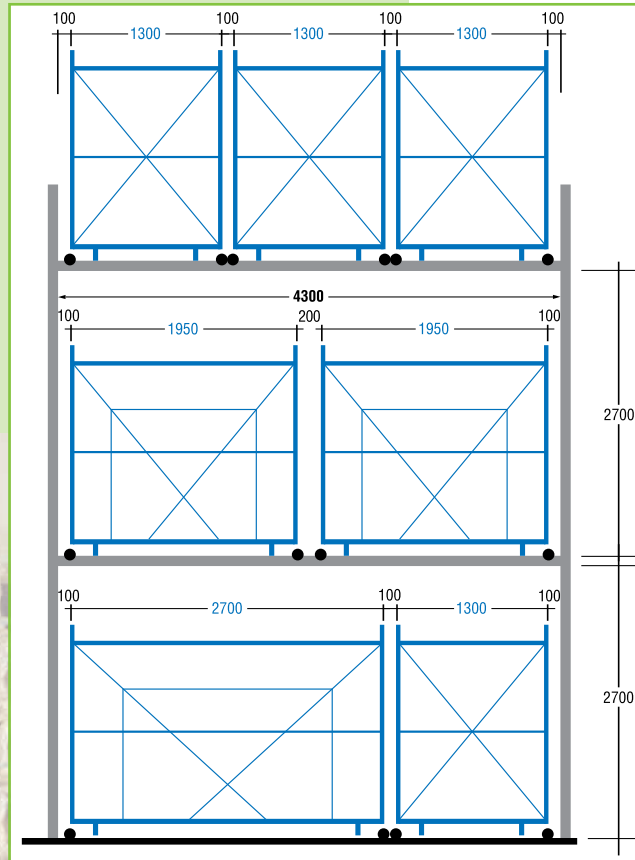
#### Marble Wagon

Designed to transport marble or glass sheets. The strong rubberized net protects the load from chips and scratches. The fixed rear wheels are 160 mm and the front swivel wheels are 125 mm diameter.

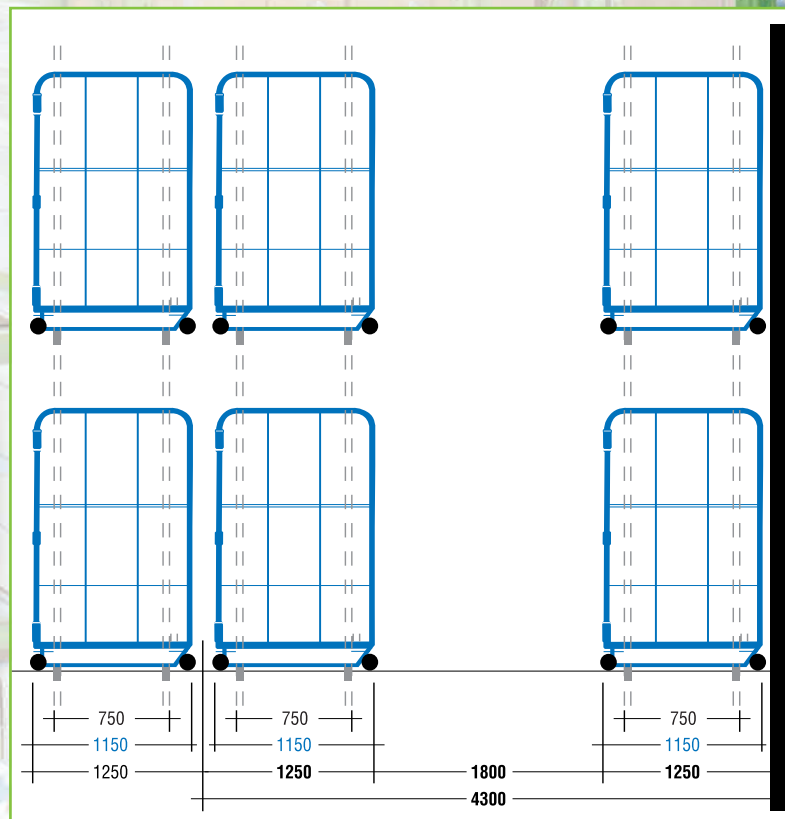




Multi-Boxes in wide racking give optimum utilization and rational storage. The modern Large Warehouse has the capacity for multi levels of storage in various combinations.



This illustration is an area 4300 mm wide by 4300 mm deep with an 1800 mm aisle with access to a combination of Multi-Boxes on three levels, on the top three 130 Multi-Boxes on each side, in the centre two 195 Multi-Boxes on each side and at ground level 270 and 130 Multi-Box on each side. The combination utilises all available racking space, an equal distribution of weight and fast access for immediate deliveries. The 1800 mm aisle is adequate for narrow aisle forklifts and today's handling equipment.



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