

Ayoubi Pallet Racking System



Innovation with an Edge!



The Ayoubi Pallet racking system is the most practical, efficient and cost effective solution to your pallet storage needs whether it was indoor, outdoor or for cold room storage.

This strong modular system has a wide range of profiles and accessories to meet the most demanding racking requirements.



Racking systems aim to utilize available space to maximize storage capacity, while providing functional aisle spaces for safe and functional use.

This modular system provides optimum stock control, direct access to all articles, flexibility at the height and depth of loads, easy adjustable beam levels, easy to install and dismantle, and the ability to expand vertically and horizontally for future needs.

The advantage of this system is that it can integrate with any type of forklift truck, and fire fighting system, in addition to a wide range of accessories.



Conventional Pallet Racking System

Is the most commonly used system for storage of palletized loads. It is the best solution for warehouses where it is necessary to keep a wide range of merchandise on different types of pallets.

The system provides 100% direct and immediate access to all pallets.

Narrow Aisle Pallet Racking system

This system has the same configuration of the conventional pallet racking system, using especially designed equipment to handle the pallet in narrow aisles.

It makes optimum use of the floor area and elevation, permitting access to all pallets. It is the best solution when land cost is very high or running expenses are high like controlled warehouse environment (temperature, humidity ...etc.).



Each warehouse has its specific requirements that must be assessed in order to obtain the best results. Analysis required in terms of the following:

- Actual capacity required
- Available space that can be utilized
- Type, Size and Weight of the loaded pallets
- In-flow & out-flow of goods
- Preparation of orders area size
- Material handling equipment
- Administration systems to be employed
- Local codes, laws & regulations, for storing different merchandise

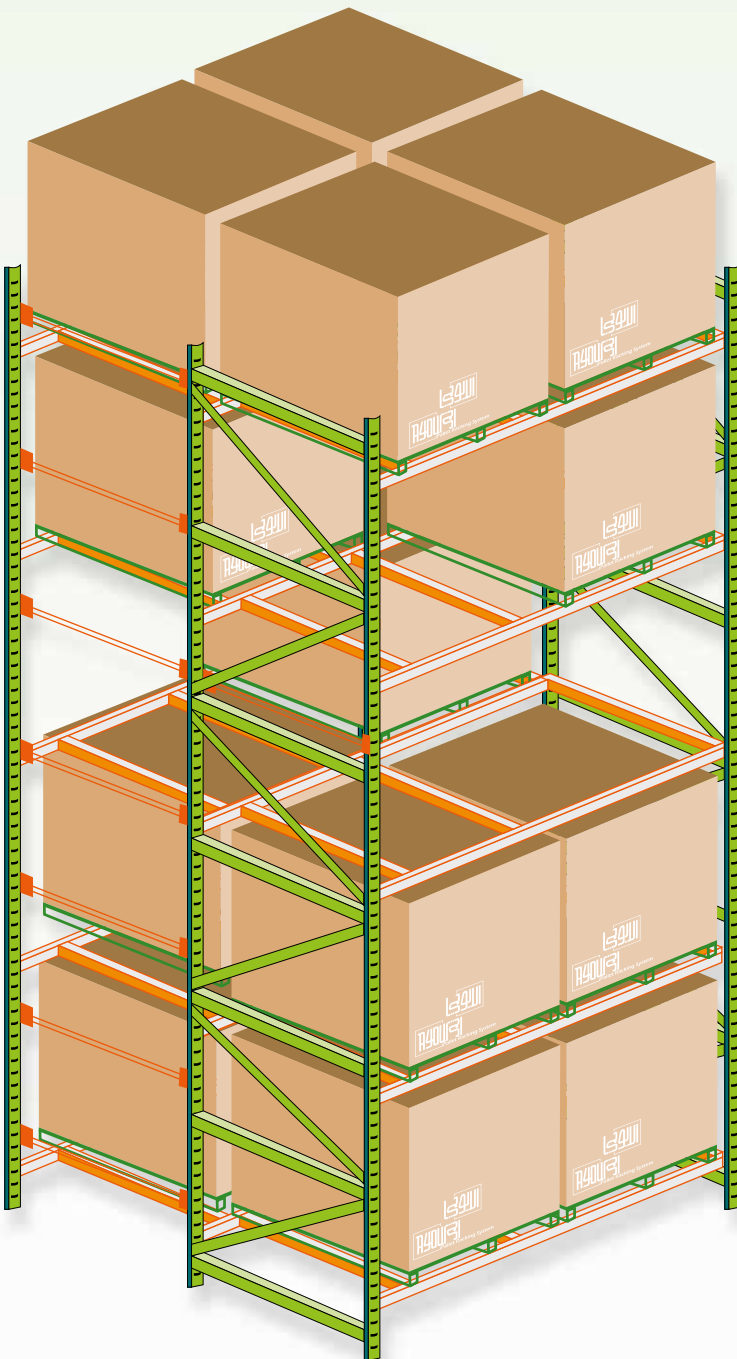
Double Deep Racking

A variant of the standard pallet racking, as the name implies, double deep pallet racking allows pallets to be stored two deep but still be accessible from the same aisle.

By reducing the number of access aisle and using the space saved to accommodate additional racking, a double deep pallet racking system provides a highly space-efficient storage system.

Although the speed of access to all of the pallet positions is restricted, with an efficient stock management system this can still be easily compensated for, by taking full advantage of the increased storage density.

Double deep racking is ideal for cold stores, dry stores and the storage of multiple pallets of the same products.



50% immediate pallet access provides reasonable stock rotation on a LIFO (Last In First Out) basis and makes good use of all available locations. This system is best used when each SKU has several pallets.

The system requires the use of a special reach truck with either dual pantograph or slide fork attachments.

Upper levels can be fitted with guide rails to assist forklift drivers in locating pallets. They also help reduce fork truck operator error and accidental impact damage.

Drive- In Racking

Heavy-Duty Drive-In Pallet Racks for High-Density Storage

Drive-In Racks allow a forklift truck to enter the rack from one side to pick up or pull out the pallets. Forklifts drive into the rack to access pallets two or more deep. The depth of storage for a particular bay is limited by the size of the facility. Drive-In racks are typically subject to more mishandling than selective racks due to the forklift movement therefore, rack dependability and strength are important. It is ideal for use in cold rooms or freezer applications.

Drive-In & Drive-Through Racks offer the ability to store a large amount of similar loads in a smaller area. Selectivity is sacrificed, but storage density is outstanding.

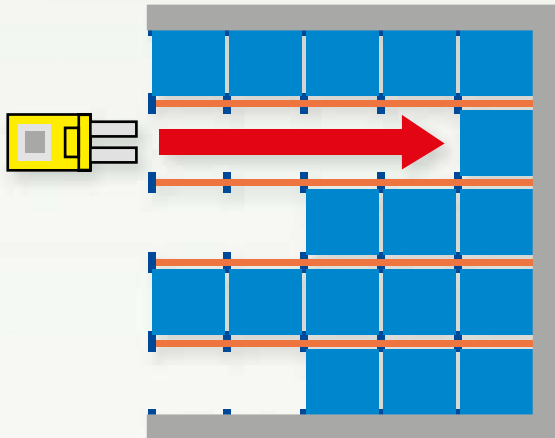
Drive In Racking can store up to 75% more pallets for the same space of selective racking, depending on the application.

It requires fewer aisles and is better suited for high density cubic storage.



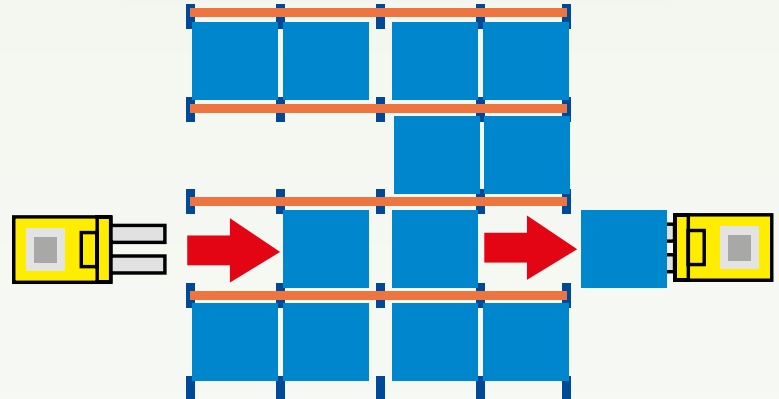
Drive-In Rack is used to store many pallets of a similar SKU (stock keeping units) or product. Lift trucks drive into the rack to extract the first pallet they come to. This is «Last-In, First-Out» storage (LIFO).

Single Entry Drive In Rack

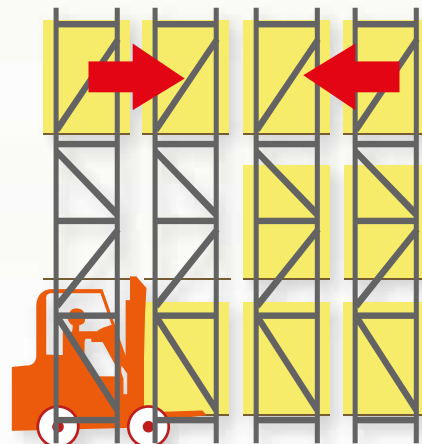
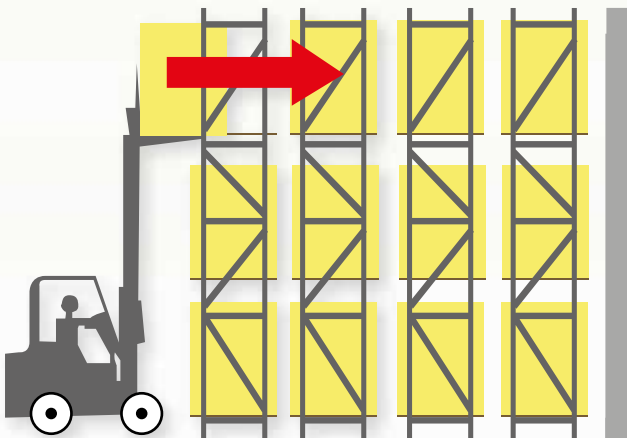


Single Entry Racks - lift trucks can enter the rack from only one side (LIFO).

Double Entry Drive In Rack



Double Entry Racks - lift trucks can enter from both sides or a row of racks. The center of the rack row is stabilized by a beam. Allow for First in First out storage (FIFO).

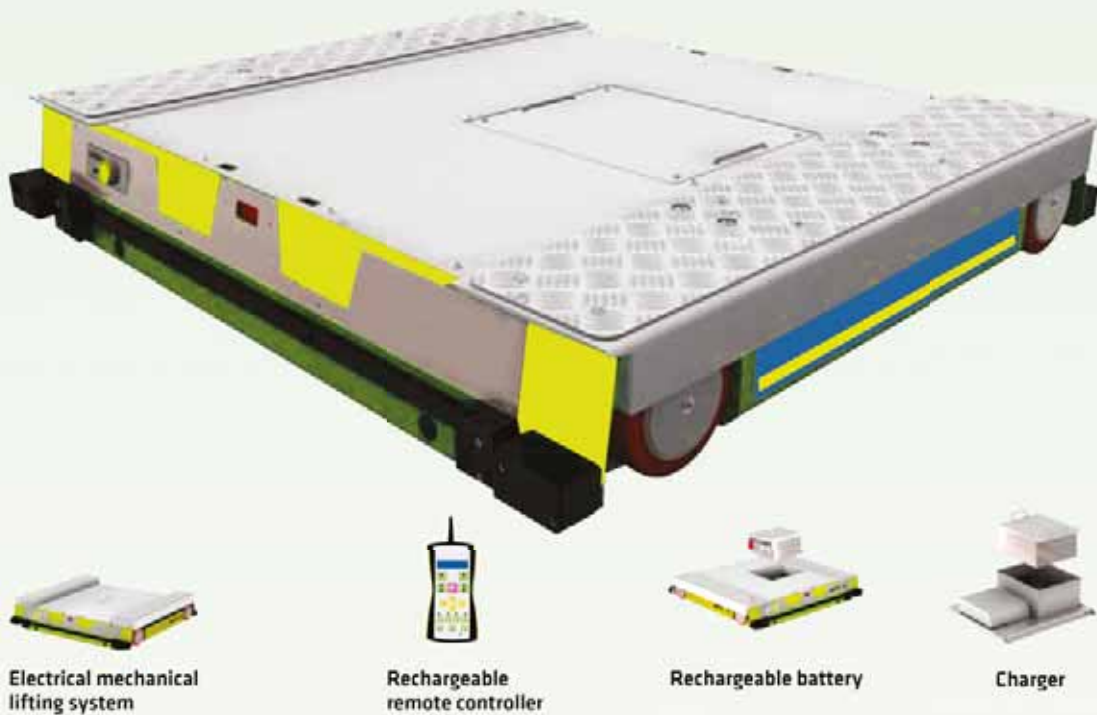


The Ultimate Solution for high density storage

Ayoubi Pallet Shuttle

Pallet Shuttle, its a programmable machine (feed by a rechargeable battery, and controlled by remote control), its used to transport pallets within racking system (DRIVE IN structure), and can move easily under pallets working on its specially designed channel, when task completed the Shuttle returns to its position (at the front of the lane) to be ready for a new task

The forklift can move shuttle from one storage channel to another easily,



Advantages and features:

- FIFO and LIFO
- shuttle work with any forklift type
- Full selectivity of different SKU at any opening
- Assign tasks with the highest level of speed, precision and efficiency
- Space Utilization
- Goods can be stored in the warehouse with highest density with low cost
- Suitable for Food and beverage bulk storage ambient, cold, and freezer applications
- Reduce product and forklift damage due to less handling.

Technical Specification:

- Nominal load Capacity: 1500KG
- Standard working time - (8 to 20 hrs.)
- Charging time at normal temperature 100% recharged in 5.5hr
- Traveling speed range from (0.5 – 1) m/sec
- Lifting time: 3 s
- Battery replacement time: 34- minutes
- Control Mode: to be operated manually and by wireless remote control
- Battery lifetime: 3 - 10 years



When should one specify Drive-In Racks?

Drive In and Drive-Through racks are mostly used:

- When you have seasonal items that move quickly out of your inventory.
- When you have a large amount of similar items that can be stored in a single pallet position and accessed last-in, first-out.
- In cases where you do not store a wide variety of loads in the rack.
- When you have limited space or high operational cost like cold rooms and freezers.



Cantilever Racking

Cantilever Racking is especially designed to maximize storage capacity. The system is ideally suited for storing long, irregular and mixed loads whilst giving easy accessibility and excellent product presentation.

It permits for the safest possible storage practices and stores stock efficiently.

Cantilever racking is ideal for storing timber, furniture, lintels, bars, pipes, sheet, steel, tubing, plastics, windows, and insulatio.

All parameters are individually designed to meet customer requirements.

Single & Double sided Frames

Incorporate fixed, adjustable, slip-in removable arms, or any combination of the three including end stops, guide rails, tire guards long span shelving, dividers, and many other extras according to need.



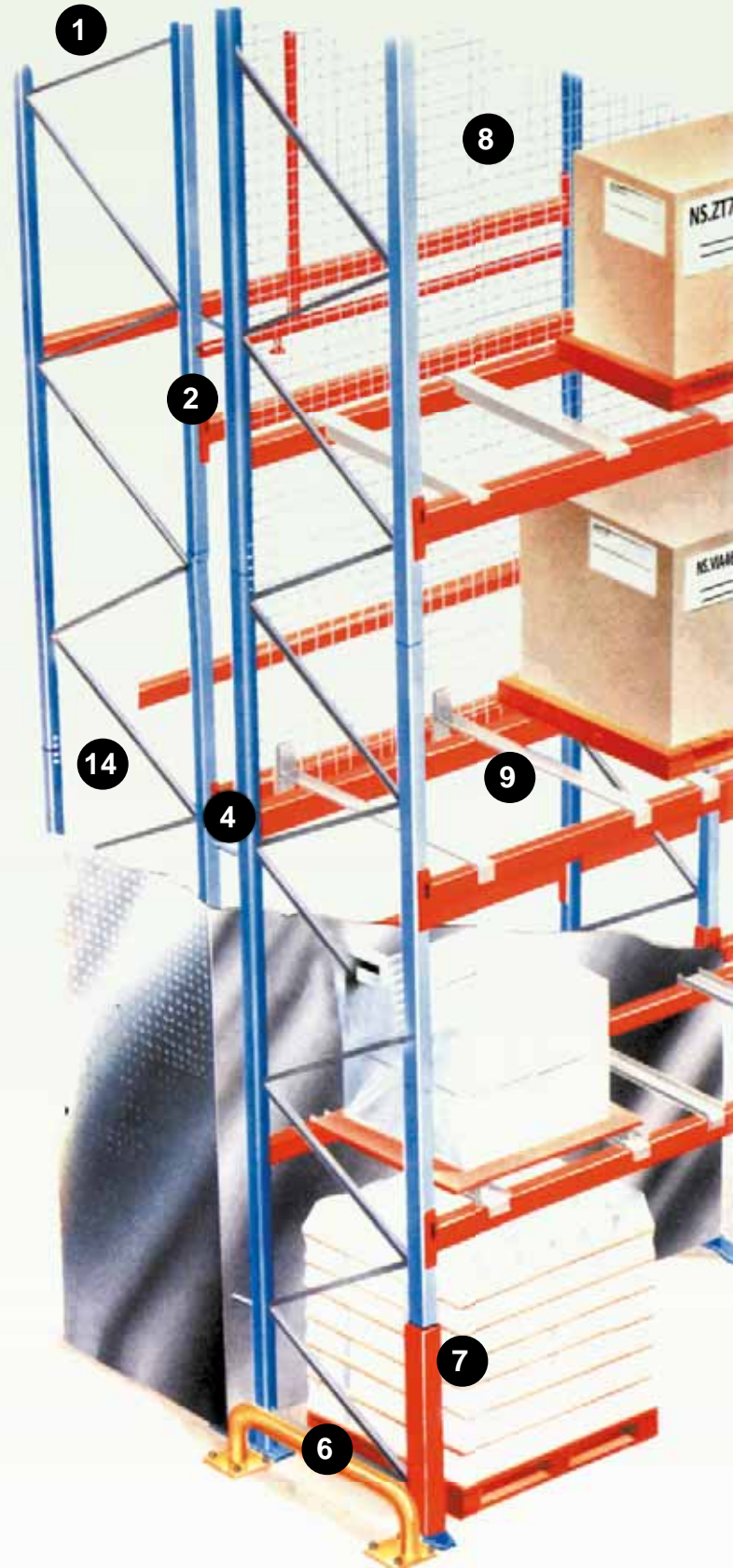
DRUM RACK

Each of the four Modular Drum Storage Racks can be used individually or can be easily stacked up to five levels high. No tools or fasteners are needed. Constructed of heavy duty, all double welded steel for durability. Designed for convenient forklift entry front and rear. Drums can be removed or replaced without disturbing other drums in the racks.

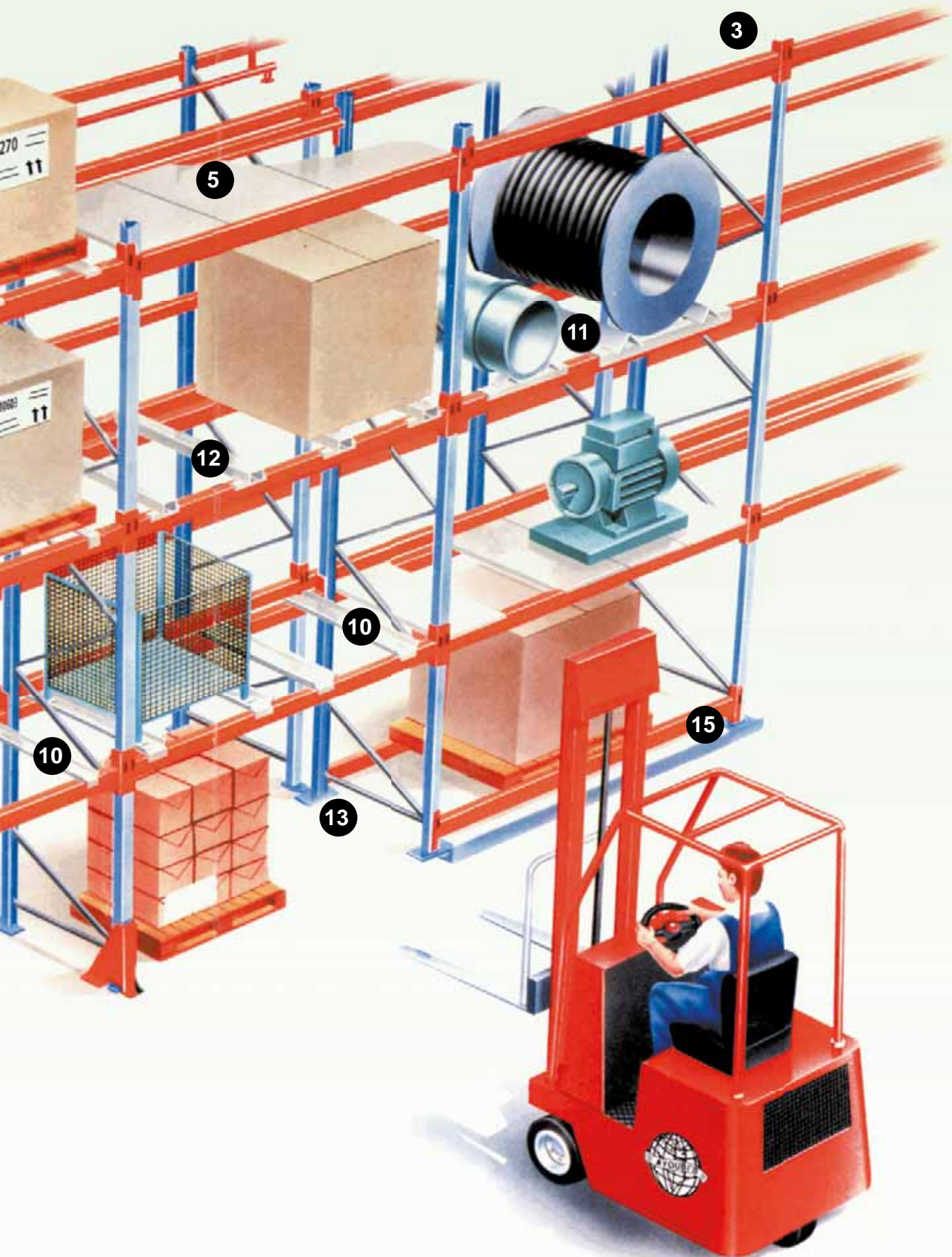


Components

- 1- Frames
- 2- Upright
- 3- Bearer Beam
- 4- Frame Joining (spacer)
- 5- Cross Shelve
- 6- End Frame Protector
- 7- Upright Protector
- 8- Mesh Anti-Collapse
- 9- Pallet Support Bars
- 10- Rack Channel
- 11- Barrel & Coil Support
- 12- Fork Entry Bars
- 13- Base-Plate
- 14- Upright Connection (Splice)
- 15- Guide Rail



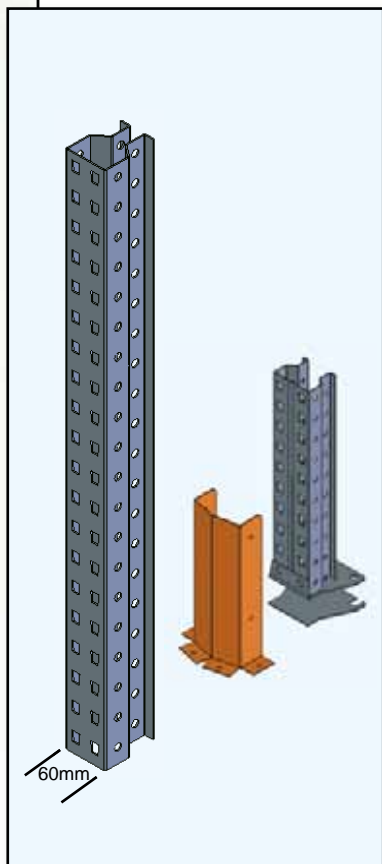
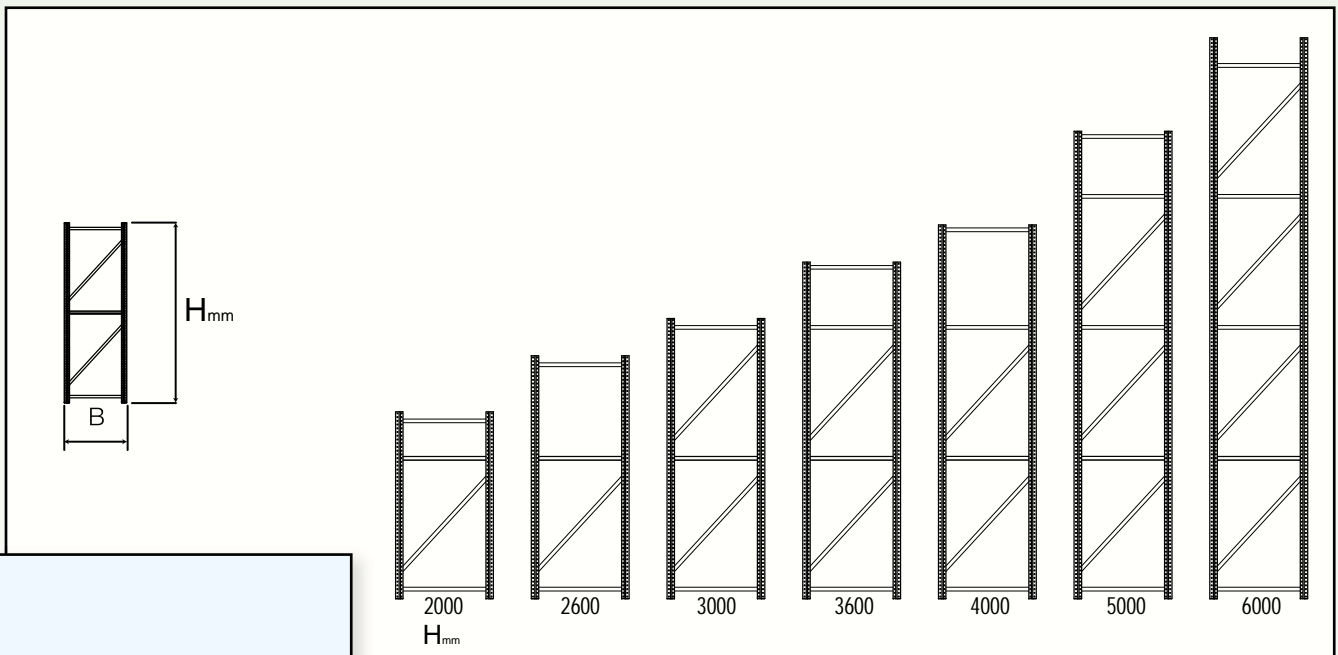
Pallet Racking



Available in different sections and thicknesses to hold different loads. comprise C-shape profiled upright section constructed from cold rolled steel sheets. A frame is formed by two uprights with corresponding horizontal and diagonal bracing. The upright face is slotted every 50mm to accept the beams and to give full adjustability around this module.

The load capacity of the frames depend on the depth (B). The number of load levels per bay and the height of the individual load level. Standard frame depth for standard pallets are 850mm and 1050 mm.

C 60/1.2 - C 60/2.0



C 60/1.2

Frame Load Capacity

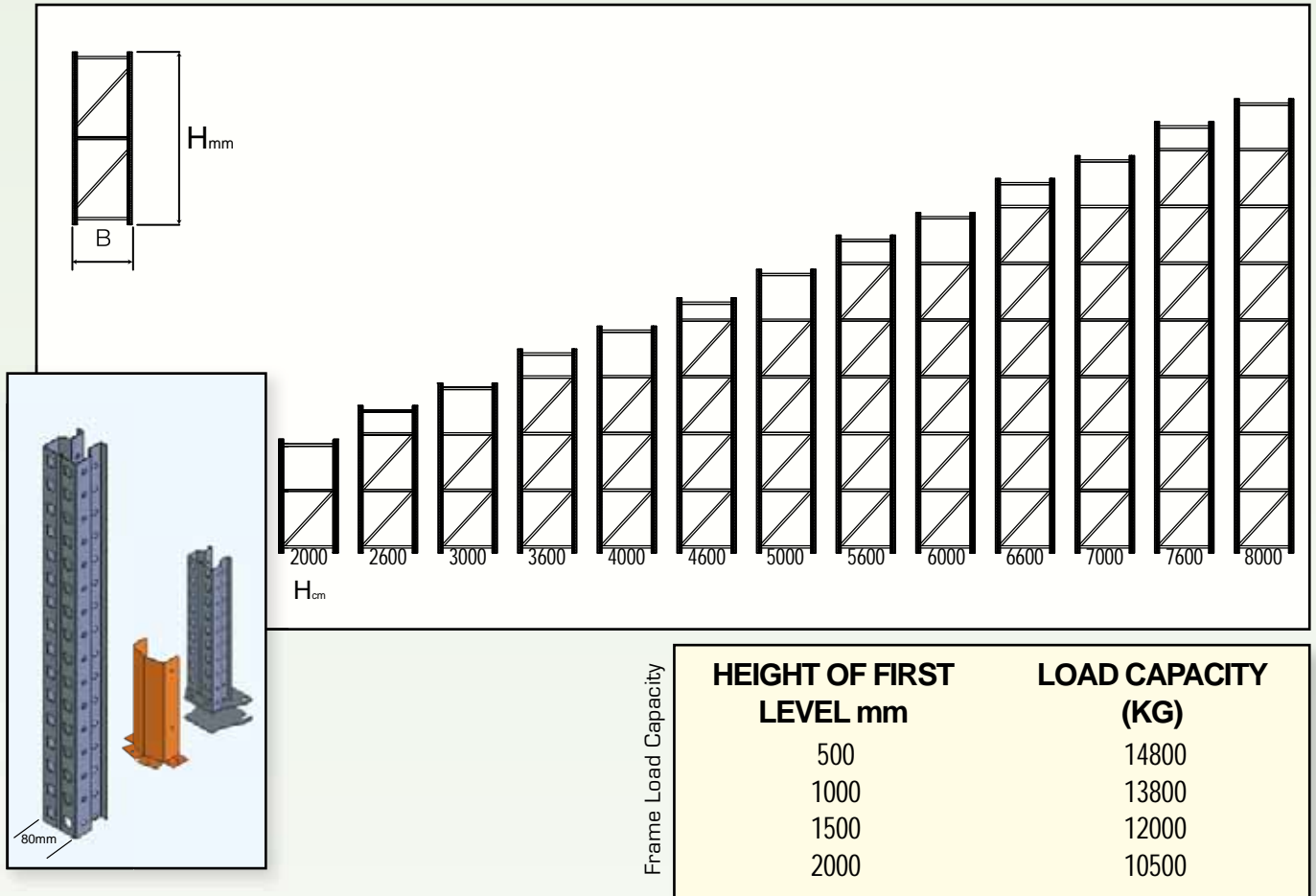
HEIGHT OF FIRST LEVEL mm	LOAD CAPACITY (KG)
500	8000
1000	6800
1500	5350
2000	3500

C 60/2.0

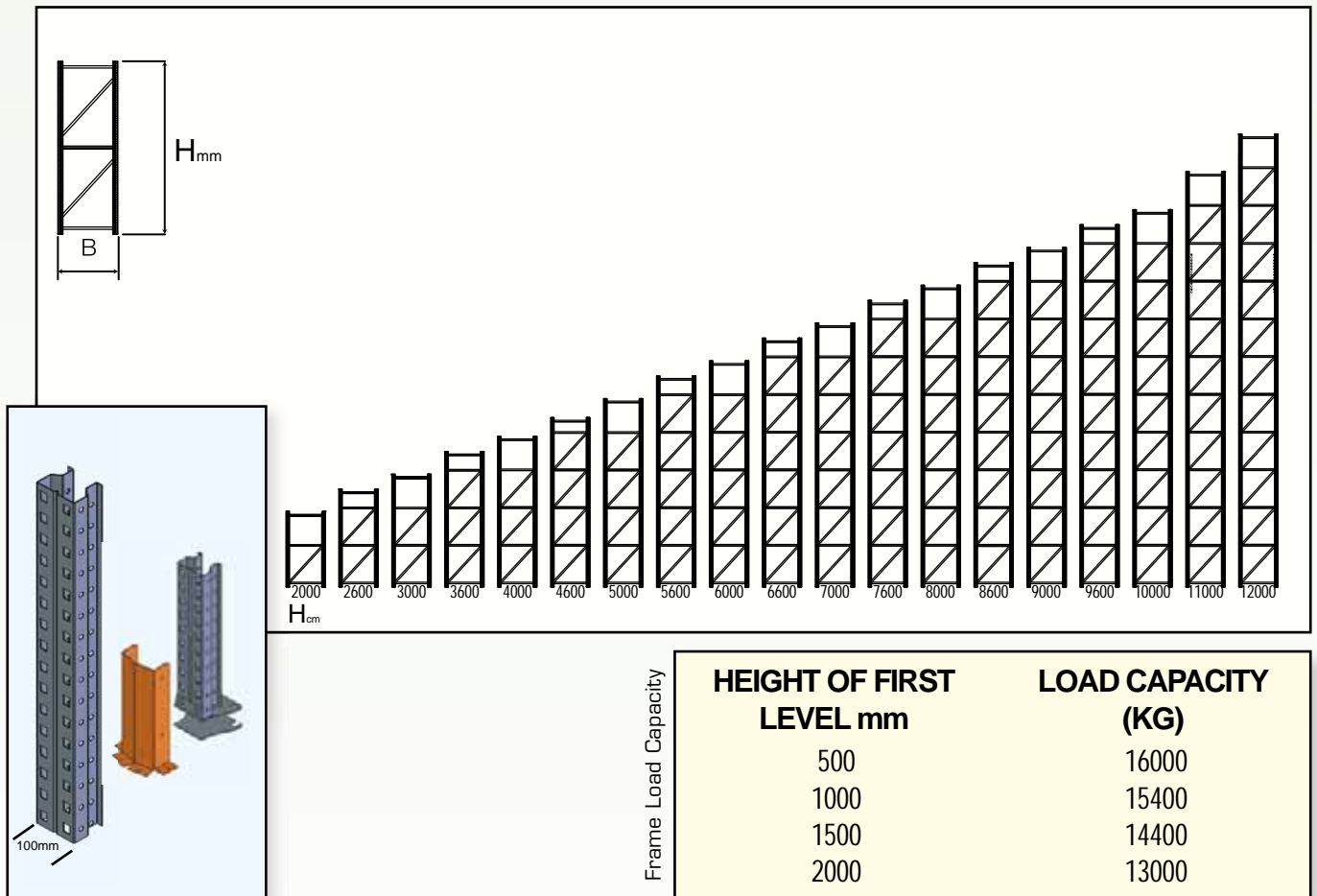
Frame Load Capacity

HEIGHT OF FIRST LEVEL mm	LOAD CAPACITY (KG)
500	13000
1000	11500
1500	8800
2000	5700

C 80/2.0



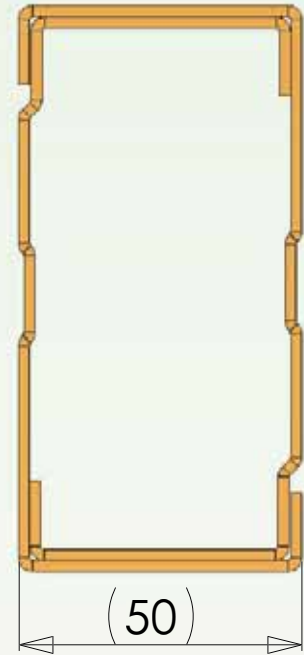
C 100/2.0



CC - Beams:

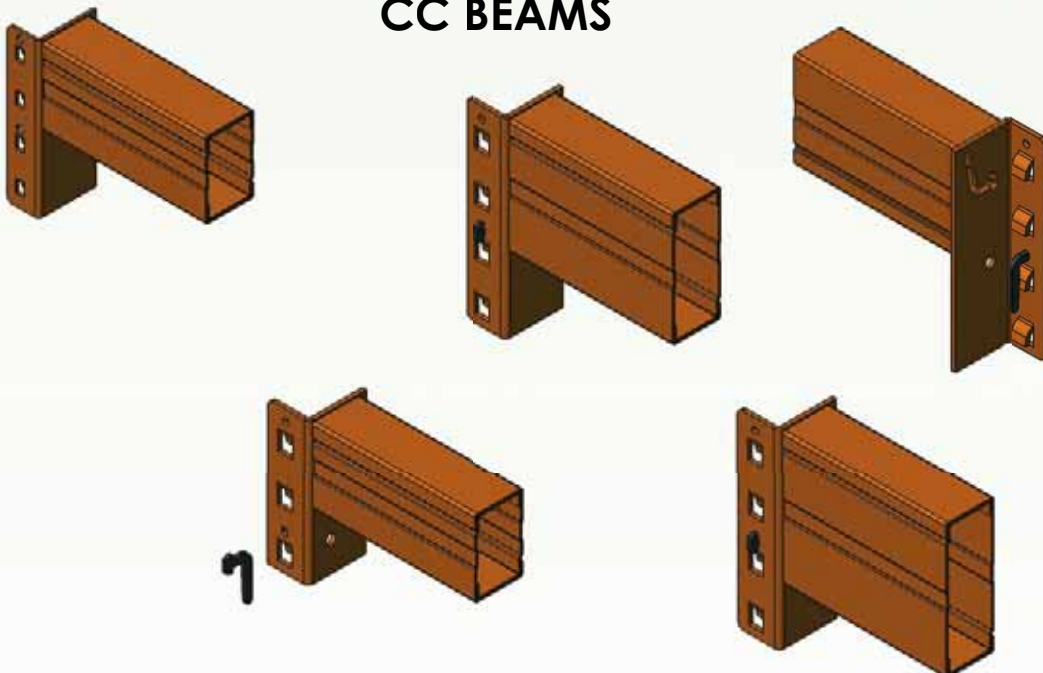
Constructed from cold rolled steel sheets. The beams consist of two **C** that fit together to form a box section, with welded connector at each end, to connect with upright frames. Beams come in various sections and lengths to hold different loads. The beams are joint from both ends with connectors. All type of beams are secured with a locking safety pin. CC beams are ideal for palletized loads.

BEAM LENGTH (mm)	CC 140X50 Kg	CC 120X50 Kg	CC 100X50 Kg	CC 80X50 Kg
3300	2700	1600		
3000	3000	1900	1500	
2700	4000	2750	1900	1200
2500		3200	2000	1600
2300			2500	1800
1900			3500	2700
1350				3600
1200				
1000				



The load capacity is for a pair of beams (Kg)
deflection not to exceed 1 / 180 at UDL

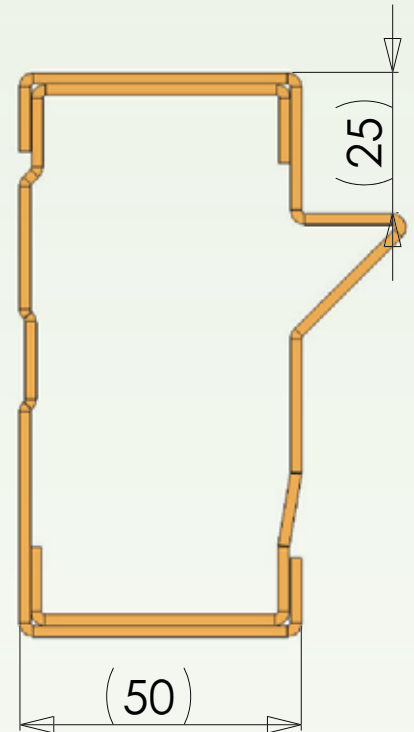
CC BEAMS



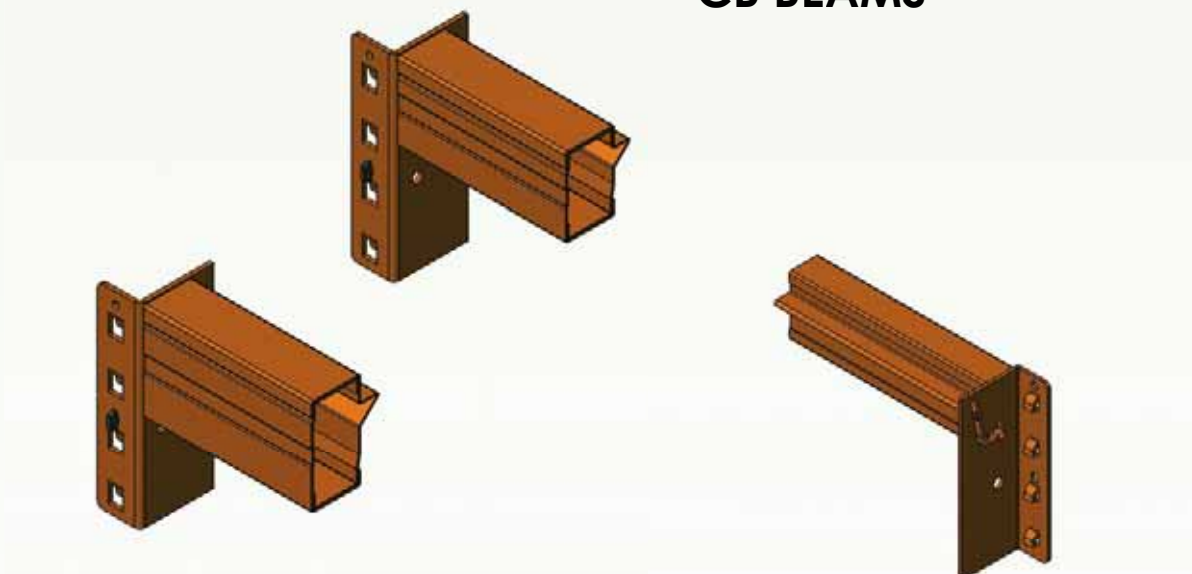
CB – Beams:

Constructed from cold rolled steel sheets, it is designed with a step to hold metal shelves or wooden boards and is ideal for non palletized goods. It is connected to upright frames with welded connector at each end, CB -Beams come in various sections and lengths to hold different loads. All type of beams are secured with a locking safety pin. CB beams are ideal for non-palletized free loads.

BEAM LENGTH (mm)	CB 80X50 Kg	CB 60X30 Kg
3300		
3000		
2700		
2500	1000	
2300	1200	
1900	1500	300
1350	2100	750
1200	2400	900
1000	2800	1100



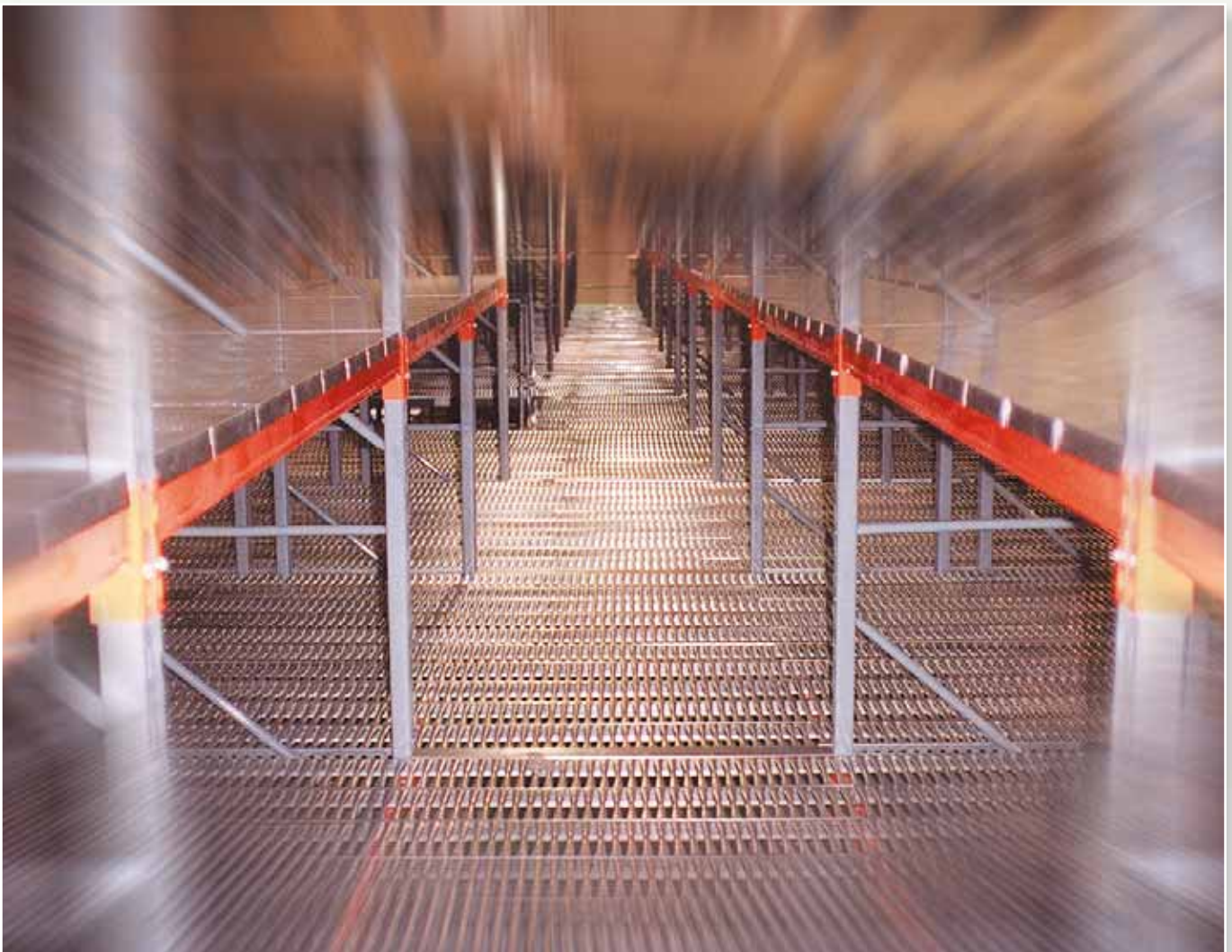
CB BEAMS



Galvanized Open Blank Panels

Is a safety oriented, lightweight walking surface offering excellent non-slip traction under the most adverse conditions. The open design allows visibility and protection of people and equipment and permits the passage of heat, light and air. The surface is practically self-cleaning since dust, water and oil drain off easily. The variety of sheet sizes available permits easier installation at the jobsite.

Available in a great variety of perforation patterns, types and gauges of metals, and sizes of sheet and coil. Check with us for your specific needs.



MATERIAL FINISH:

A state of the art conveyorized automatic electrostatic powder coating system, that gives exceptional powder coating finish.

The powder coating application system consists of:

- 4-stage spray, metal pretreatment system.

Two Degrease/Iron Phosphate stages, Two rinse stages.

- Water dry-off oven.

High velocity convectional in-line water dry-off oven

- Automatic and manual electrostatic powder application and touch-up.

Two electronically controlled reciprocators with six auto electrostatic guns, two automatic powder feeders and two manual touch up stations

- Powder curing oven High temperature convectional powder curing oven heats up to 220 C Oven.

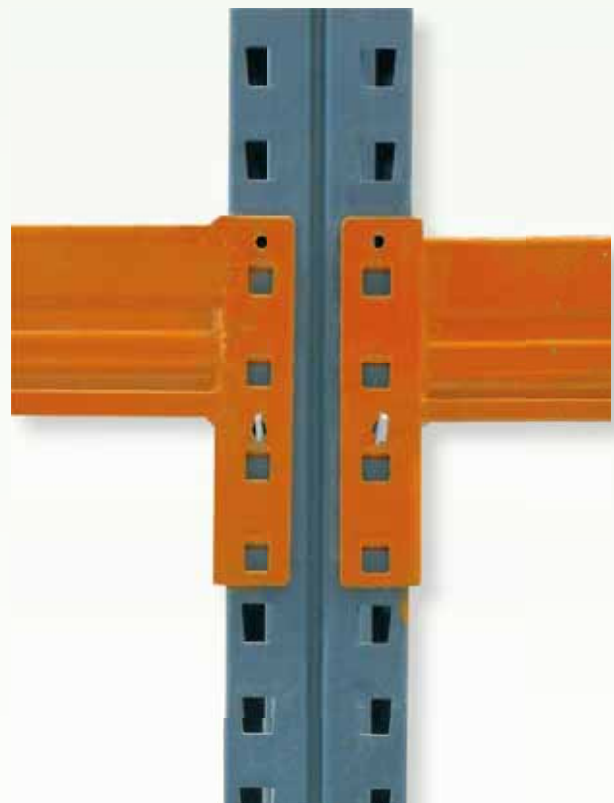
- Colors:

RAL 7031 Gray for upright and bracing / or

RAL 5010 Blue for upright and bracing

RAL 2004 Orange for horizontal beams

- Hot dipped galvanized finish for outdoor use or for cold rooms and freezers.



Long Span Racking

AYOUBI® long span racking system is a great solution for storage of light to medium heavy loads. One can use the long span racking system for almost any storage requirement; shelving racking, long span racking, multitier and high rise installations. Long Span Racking especially designed for the storage of hand loaded heavy products, such as machinery equipment boxes and tools...

Main Feature of Long span shelving system

- Quick & easy assembly
- Boltless mounting of the beams
- Adjustable beam levels for varying heights
- Good stability
- Cost effective solution

The Construction of Ayoubi's long span racking system is similar to pallet racking. It is composed of frames (uprights at 600mm wide), Step "Z" beams, and box beams.

Decking options, wire or metal shelf along with a full range of accessories



long span ideal for :

- Industries
- Educational Institutes
- Automotive Components
- Pharmacy Industries
- Supermarkets
- Warehousing
- Logistic companies
- Home and Office use



Standard sizes - Bay dimension (mm)				
Item	LS-2200	LS-25200	LS-2125	LS-25125
Upright height (C60 - 1.2)	2000	2500	2000	2500
Beam width (CB 60X30)	2000	2000	1250	1250
Frame depth	600	600	600	600
Load capacity per pair of beams width 2000mm is 300kg UDL Load capacity per pair of beams width 1250mm is 200kg UDL				

Material Finish:

High quality Epoxy powder Coating finish.
Frames in Blue, Beams & Decking in Gray color.

الايوبي

الخدمات

Show Rooms

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