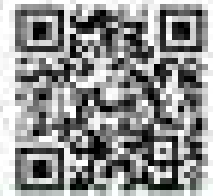




رفوفكو
RFUFCO



National Industry...
international standards





Founded Plant

RFUFCO FACTORY is a joint stock company launched before 15 years. The company is specialized in providing consultation and solutions for storage systems, logistics, material handling and warehouse automation using innovative and qualitative solutions to meet the aspirations and needs of our valued customers.

The company provides various storage systems and solution such us:

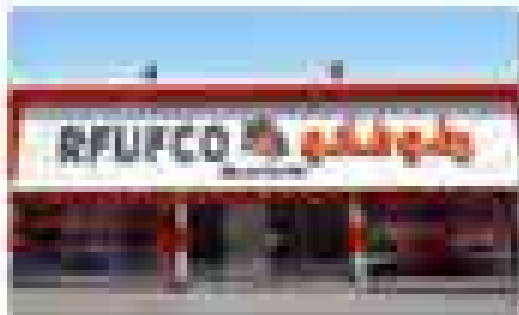
- ***Pallet Storage System.***
- ***Multi-Storey Storage System (e-commerce - spare parts - medicines - etc.).***
- ***Conveyor Belts and Material Handling System.***
- ***Pick-by-Light System.***
- ***Radio Shuttle System.***
- ***Drive-in System.***
- ***Carton Storage System.***
- ***Long Pieces Storage System.***
- ***Storage Platform System.***



Showroom 1 - Alkazan street, Riyadh Branch



Showroom 2 - Jeddah Branch



Showroom 3 - Dammam Branch

Our Factory

Our Vision:

To be the premier in providing the best customer service and shipping options in continuous cost effectiveness for trade sector

Values:

Quality: providing with high products and workmanship without any compromise.

Customer: We build our business by serving the customer.

Environment: Supporting the environment, high standards and commitment to the business.

Community: Continuous development for our products and services.

Our Mission:

Applied Technology innovation that provides the strongest and shipping options in continuous cost effectiveness for the customer in the context of the government and private companies and institutions in Saudi Arabia and the Arab market based on our experience and our professional position and financial strength and our continuous commitment.

According to the highest quality and the requirements of the global market standards to provide the improvement of our image and brand.



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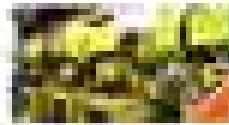
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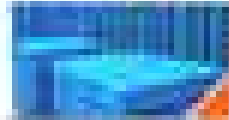
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Some of Our Respected Clients



Advance Machines



High capacity production of hot water, steam & electricity, industrial & domestic power.

Energy efficient & sustainable.

Quality assurance system of domestic hot water supply system, with control being performed all the way.

Strong return to cost investment.

Our industrial power generation has offered quality and advanced performance, and about 30 years after being successfully implemented today, we are still the world's foremost for power quality assurance.

Energy efficient & profitable production.

Water treatment and production quality is throughout the whole process, and each process and equipment is checked and every step is supervised from start to finish, and each step is checked and supervised.

Specialized in power generation.



Quality Products Certificate



Beam Actual Testing



Upright Actual Testing

Quality Certificate (TUV)



Welding Quality Actual Testing



Upright and Beam Actual Testing

Powder Coating - Quality Products Certificate



Jotun Powder Coating Certificate



TUV Coating Quality Certificate



Robotic Powder Coating

Powder Coating Quality

Durability of Robotic powder coating

Robotic powder coating is a highly durable and efficient method of applying powder to a substrate. It is a process where a robotic arm applies a dry powder to a substrate, which is then cured in an oven. The process is highly controlled and consistent, resulting in a high-quality finish. The powder is applied in a uniform layer, and the curing process ensures that the powder is fully adhered to the substrate. This results in a durable and long-lasting finish that is resistant to corrosion and wear.

The process of robotic powder coating is a highly efficient and cost-effective method of applying powder to a substrate. It is a process where a robotic arm applies a dry powder to a substrate, which is then cured in an oven. The process is highly controlled and consistent, resulting in a high-quality finish.



Radio-Shuttle Pallet Rack



Radio-Shuttle Pallet Rack

Automatic Shuttle able to transform into an automatic warehouse all the Drive-in racking system, assuring the maximum use of the warehousing, making the facility more productive and efficient, AUTOSAT, powered by an innovative Lithium Ion battery easy to recharge and managed by an interactive radio transmitter, moves goods on pallets into the drive-in channels. AUTOSAT can be placed

in the appropriate channel by means of a standard fork lift.

STANDARD EQUIPMENT

- Battery on board
- Lithium battery charging station
- Remote Controller
- Remote controller battery charger
- User manuals
- Wooden Box as packaging.



STANDARD FUNCTIONS

- Loading
- Unloading
- Continuous
- Distance between pallets 40 mm up to 150 mm
- AUTOSAT Manual mode



STANDARD FUNCTIONS

- Pallets rearrange "compacting push"
- Pallets rearrange "compacting pull"
- Un-Collision between AUTOSAT in the same channel
- Stock list: counting pallets
- Multiple Pallets: different depth pallets management in the same channel
- Continuous unloading "plus"



TECHNICAL INFORMATION

- Speed with load on board : 30-33m/min Speed without on board : 63-66m/min
- Working range : 10-12-16 H
- Working temperature ST : From + 5 C up to + 45 C / BZ: from + 4 C up to 30 C
- Colors : chassis RAL lid RAL 7035

Radio-Shuttle Pallet Rack



Radio Shuttle Isometric View



Placing the shuttle into a channel

The operator must ensure that the channel where the shuttle is heading is clear.
 Lift the shuttle with a counter forklift truck, insert the fork under the shuttle and lift the shuttle to the position at the bottom of the lift.
 Lift the shuttle ensuring that the fork is inside the channel. The operator of the forklift must place it in the channel.

The shuttle operator must ensure that the shuttle is placed in the channel and that it is moving in the correct direction. The shuttle must be placed in the channel in a way that it is not blocked by any other shuttle or by the structure of the rack.

The shuttle must be placed in the channel in a way that it is not blocked by any other shuttle or by the structure of the rack. The shuttle must be placed in the channel in a way that it is not blocked by any other shuttle or by the structure of the rack.

All personnel must be clear of the area where the shuttle is operating. Do not enter any part of the area where the shuttle is operating.

Radio-Shuttle Pallet Rack



Operation

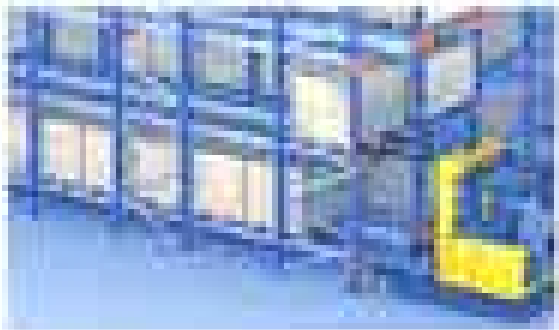
in semi-automated installation, operator only need to drive the forklifts that carry the pallets and initiate the motorized shuttles activity. the movement of the shuttles inside the racks is automated.

Step 1



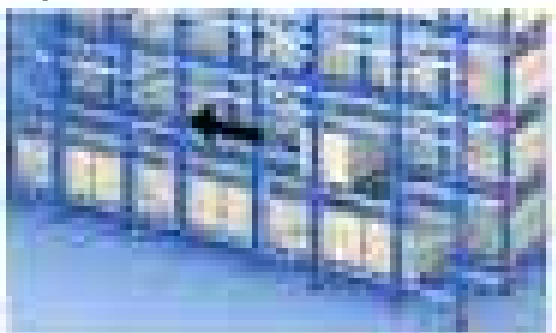
A forklift places the pallet shuttle in the channel where work is to be done.

Step 2



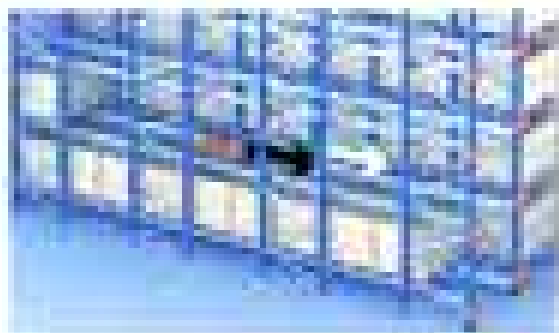
Next, The forklift is used to position pallet one by one in the channel entrance, resting them on the load-bearing beams.

Step 3



Using the tablet, The operator sends the command to the shuttle to start the loading operation. Once the location of the pallet has been identified, the pallet shuttle lifts the pallet slightly, and moves horizontally until it reaches the first available location, Whereit deposits the pallet Different sensors accurately control the movements of the load being stored.

Step 4



The pallet shuttle returns to the top of the lane in order the repeat the operation with the next pallet, and the next, as many times as neccessary until the channel is filled. Before the last position is filled, the shuttled is removed is the sequ-ence is repeated in the next channel where work is required

Radio-Shuttle Pallet Rack

A Radio-controlled, battery operated independent shuttle cart units travel along rails that support pallets above. The shuttle cart travels below the pallet, then elevates a pick-up table that lifts the pallet from the rails and carries it to the front of the racks. From the front of the rack, a conventional forklift truck can select the shuttle cart from its rail and move it to another location.



Components

Safety and control: the foundations of which the system is built

In addition to the contro tablet the communicate orders to the shuttle via Wi-Fi the system consists of two basic components.



Radio-Shuttle Rack Components



Upright

They are the vertical components can be adapted to a wide range of the load requirements.



External Rail support (Arms)

These are used to fix and anchor the rail at each load level to the entry/exit frames outer upright.



Rail

The pallet shuttle runs on rails inside the storage channel. Its design facilitates the loading and shuttle centred.



Pallet Centraliser

These are fitted to the entry/exit points in the storage channels to aid in the placement of the unit load in the channel, ensuring it has been centred



Rail-end stop

Made of folded sheet metal, in 8mm thick L-shape, these are used as a detection element to slow and stop the shuttle in normal working conditions.



Beam

They are the the horizontal , Robust racking components where loads are deposited

Selective Pallet Rack



Selective Pallet Rack



Facts about Selective Interlock System

- **Good Stock Rotation**
- **Good Order picking; 100% selectivity**
- **Average Picking rate**
- **Good product protection**
- **Low Floor area utilization -30% net pallet area usage of overall warehouse area.**
- **Limited pallet redundancy as the system can run at 95+% capacity with a competent**
- **Warehouse Management System (WMS)**
- **Popular application in most industries requiring instant accessibility of all pallets.**
- **Mechanical Handling Equipment**
 1. Walk behind or ride on stackers
 2. Counter Balance / Reach Trucks
 3. Reach Truck offers up to 30% improved use of floor space and operates to height in excess of 11+m high

Selective Pallet Rack



RFUFCO selective pallet racking systems allow that best solution for companies where a wide range of commodities need to be stored on pallets.

RFUFCO selective pallet racking system is a growing idea and with single row racks, double row and double deep racks various models. The width of the working aisle depends upon the load and the height of the racks depends on the clearances of the building or building system. The size of the pallet and the length of the workhouse affect.

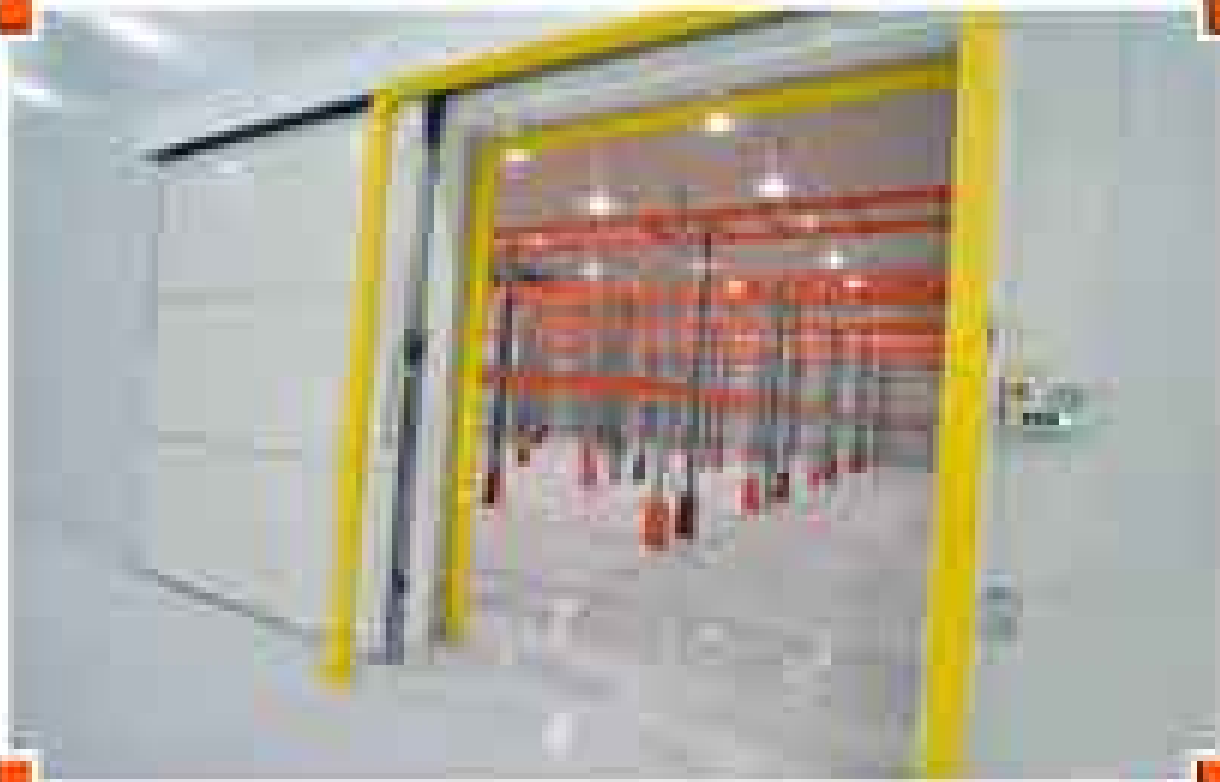
RFUFCO selective pallet racking system can be designed to store pallets in the various configurations such as deep, double deep.

RFUFCO selective pallet racking system is made up of several parts.

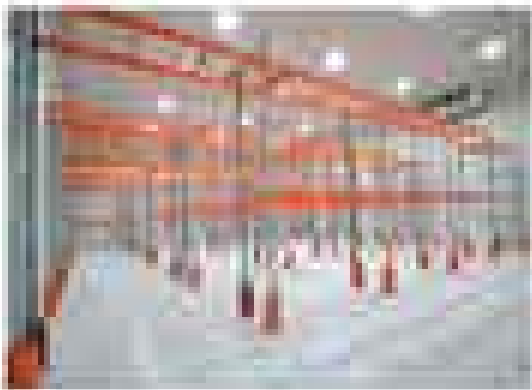


- Maximum adaptability to any load type both in terms of weight and volume.

Selective Pallet Rack



Galvanized Racking System for cold storage



Storage Solutions for Cold Storage

RFUFCO provides a wide range of storage solutions for cold storage. Our selective pallet rack system is designed to provide maximum storage capacity while maintaining the integrity of the stored goods. The system is made of galvanized steel, which is resistant to corrosion and rust. The racks are easy to install and maintain, and they provide a secure and safe storage environment for your goods.

Stock Visibility:

RFUFCO's selective pallet rack system provides excellent stock visibility. The open design of the racks allows you to see your inventory at a glance, making it easy to locate and retrieve goods. This is particularly important in cold storage, where you need to be able to find your goods quickly and accurately. The system is also designed to be flexible, allowing you to adjust the height and depth of the racks to suit your needs.

Our Value Proposition

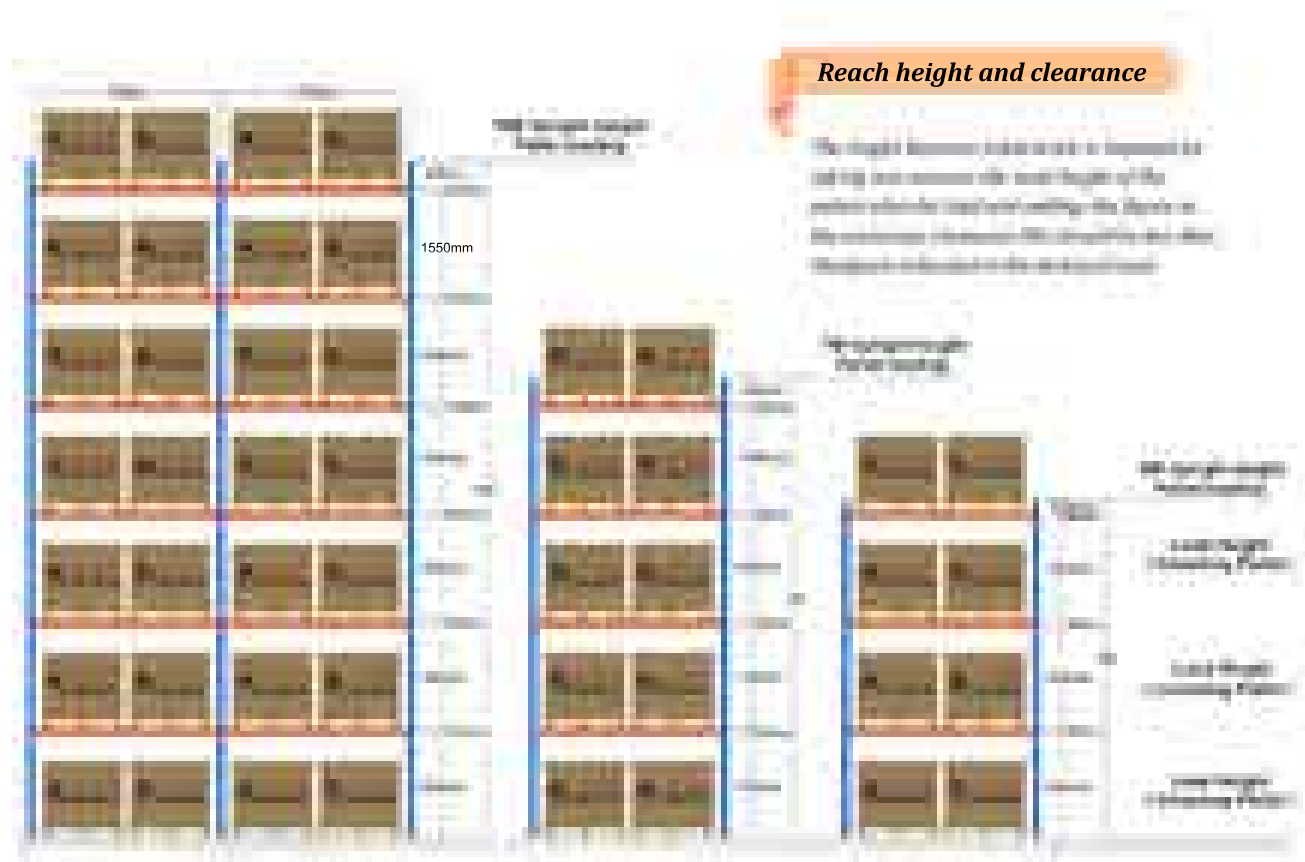
- Customized solutions for your specific requirements
- High-quality materials and construction
- Fast and reliable service
- Competitive pricing and excellent customer support



Selective Pallet Rack



Selective Pallet Rack



Selective Pallet Upright




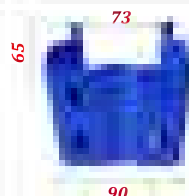
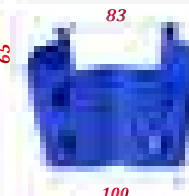
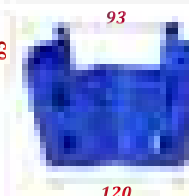

Upright

Formed vertically up of two uprights with the corresponding horizontal and diagonal bracing (front and rear) to give the structure a rigid frame of steel or aluminium.

The design of the frame is determined by the way the system has a vertical bracing system. Lateral bracing is provided to ensure stability.

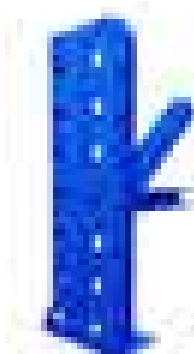
Upright section

The upright section is formed with thicknesses of up to 100mm and is designed to be able to carry a load of up to 1000kg.

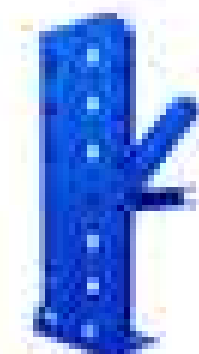
Upright 50	Upright 90	Upright 100	Upright 120	Upright Support
				
Section : 50X60 Thickness: 1.5, 1.8mm	Section : 90X65 Thickness: 1.5, 1.8, 2.0mm	Section : 100X65 Thickness: 1.5, 1.8, 2.0mm	Section : 120X65 Thickness: 1.5, 1.8, 2.0mm	Section : 30X30 Thickness: 1.5, 2.0mm



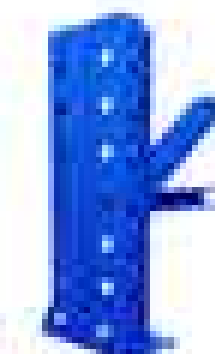
Upright 50



Upright 90



Upright 100



Upright 120



Upright Support

Selective Pallet Support



Rack Double Unit

Frame Spacer

or Upright Cross Support

Use connect frames & frame (double side)
of frames and upright
Length as required

Size: The body tubular 25x25 with
Fixing Double Sides, 2Pcs. M10x15 Bolts
& nuts at endplates, 1Pcs. N10x65 / 110 Bolt
& nuts at the other ends.



Row Spacer or Joint

Use Row Spacers are fitted between frames
of double entry racks to increase front to back
rigidity and stability.

Length as required.

Size; 40x40x1mm Tubular with 2mm Endplates

30x60x1mm Tubular with 2mm Endplates

Fixing; Tow N10x25mm Grade 8.8G set crews.

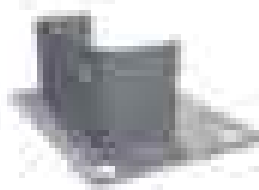


Footplates

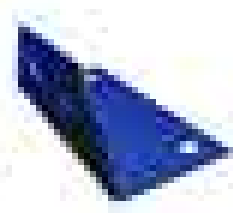
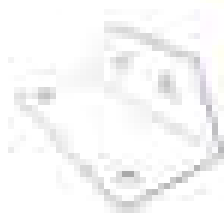
Frame are erected on the floor using footplates which are fitted to the base of the upright. There is a range different frame footplates whose used depends on the load to be supported and on the upright model used. they are anchored to the floor using one or two anchor bolts.



U-Type Footing



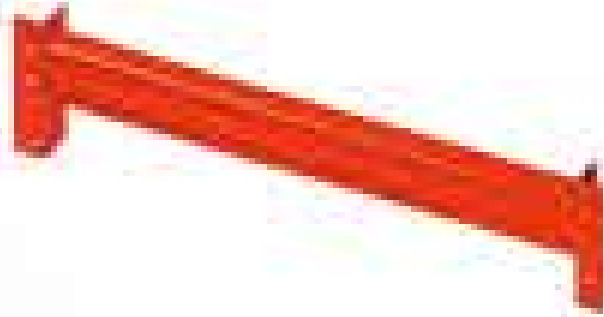
L-Type Footing



Selective Pallet Beam

End Connector Types

Beams are the horizontal and robust component of the rack upon which load are deposited. they are joined to the upright via connectors or endplates, which fit into the slots of the upright. The hooks on these endplate, in the connecting system designed and patented by **RFUFCO**, are joined to the main body of both end. the considerably increase load capacity and prevents deformation that typically occur when the connection between the main body and the hooks or endplate is not sturdy enough.



BEAM SECTION	-60x30x1.2 -60x30x1.5 -3 or 3 hooks connector	-80x50x1.5 -3 hooks connector	-100x50x1.5 -3 hooks connector	-120x50x1.5 -4 hooks connector	-150x50x1.5 -4 hooks connector



Tube Beam
60x30



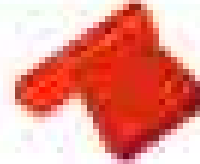
Box Beam
80x50



Box Beam
100x50



Box Beam
120x50



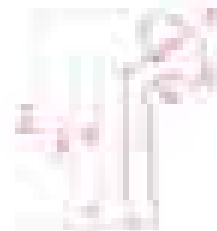
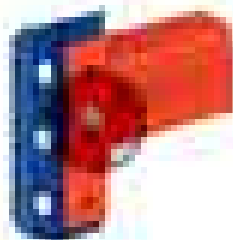
Box Beam
150x50

End Connector Types

2-Hooks End Connector - 3mm	3-Hooks End Connector - 4mm	4-Hooks End Connector - 4mm


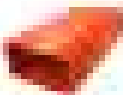



Safety Locking Pin

The end plate that joins the beam and upright include the built-in safety locking mechanism developed in order to make the structure even safer.



Selective Pallet Beam



				
-60x30x1.2 -60x30x1.5 -3 hooks connector	-80x50x1.5 -3 hooks connector	-100x50x1.5 -3 hooks connector	-120x50x1.5 -3 hooks connector	-150x50x1.5 -4 hooks connector

Model and dimensions shown. Type and loading capacities are subject to change without notice. The above information is for reference only. The actual loading capacity should be determined by a qualified engineer. The above information is for reference only. The actual loading capacity should be determined by a qualified engineer.

BEAM LOADING CAPACITY								
BEAM	1500mm	1800mm	2000mm	2300mm	2500mm	2700mm	3000mm	3300mm
60x30x1.5	700kg	600kg	500kg	450kg	400kg	-----	-----	-----
80x50x1.5	3290kg	2410kg	2030kg	1630kg	1450kg	1500kg	1050kg	950kg
100x50x1.5	5280kg	3740kg	3150kg	2490kg	2300kg	2200kg	1450kg	1350kg
120x50x1.5	5256kg	5700kg	4640kg	3510kg	2970kg	2800kg	2060kg	1960kg
150x50x1.5	9648kg	6700kg	5430kg	4100kg	3470kg	3500kg	2410kg	2310kg

Selective Pallet Shelves



Shelves

Different types of shelves are available, to suit any requirement. The most commonly used are:

Galvanized Shelf

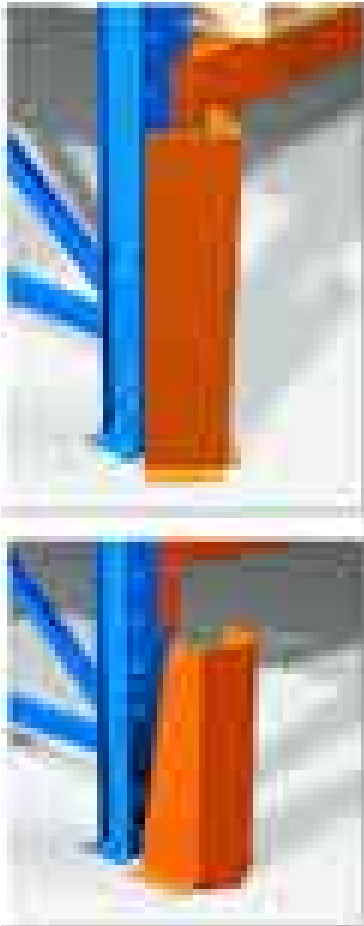


Metal Shelf - HR or CR coil



Metal shelves which, depending on the storage requirements, can be placed on tubular or beams they fit directly on top of the beams.

Selective Upright Protectors



Protectors

These protect racks from light impacts that may occur at floor level preventing damage to the vertical elements.

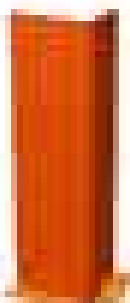
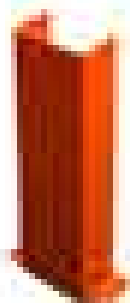
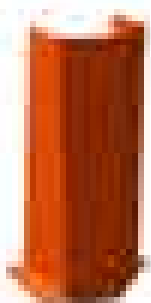
Upright Protectors

Each type of upright has its own type of protector. they are 500mm high and come with 4 anchor bolts to fix them to the floor. they are used to protect uprights from impact and possible damage in facilities where forklift truck operate.



Frame Protectors

These protect the side of the rack at the bottom. They are normally fitted to end frames and passageways between frames where impact are most likely. Each upright type has its own protector. In order to protect the entire side of a frame.



C - Type protector U- Type protector V- Type protector



Selective Pallet Wiremesh Decking



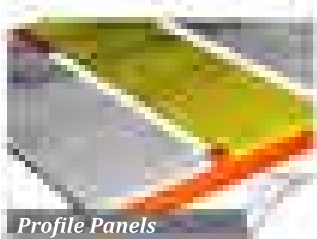
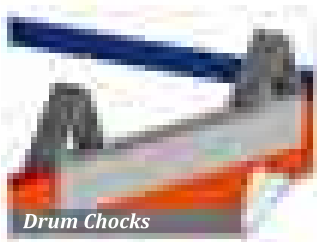
Wiremesh shelving are made of round electro-welded mesh panel that rest on crosstie supports, which strengthen the structure. They are always fitted on beams and do not require further fixing.



Wiremesh decking with cladding support



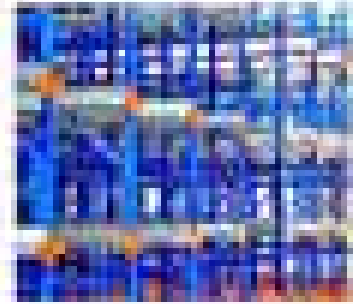
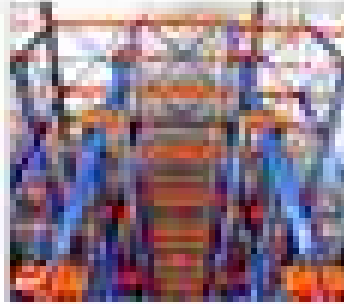
Selective Pallet Rack Accessories



Drive-In Pallet Rack



Drive-In Pallet Rack



Drive-In racking system

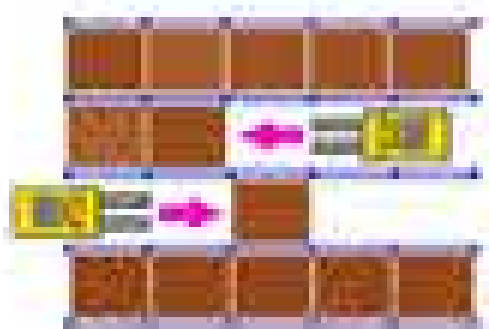
Drive-in Pallet Racking System provide maximum storage capacity using the minimum amount of space. It is particularly suited to store very large quantities of homogeneous products. Drive-In or Double Access System consist of continuos lanes of racking with only a single load and retrieval aisle. loading and unloading is undertaken by means of counter balance or reach trucks that drive down each lane into the racks. Drive-In racking operates on the basis First-In Last-Out (FILO), therefore it only suits products, which is stored in sufficient volume to require multiple lanes to ensure stock rotation.

Drive - In Pallet Rack

Drive-thru

Drive-thru ,rack allow a lift truck to enter the from either side to pick up or full out pallets. Loads are supported by rails attached to upright frames, and lift trucks are driven between uprights to reach pallets. This is done because pallets can slide backwards on a continuos rail. It's open at both ends, allowing first-in, first out storage.

Drive-Thru rack offer the ability to store a large amount of similar loads in a smaller area. Selectivity is sacrificed, but storage density is enhanced since many pallets are stored and are available through a single pallet position.

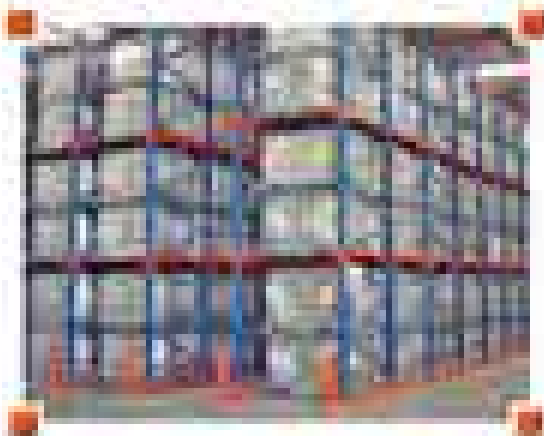


Top view



Drive-In Pallet Rack

Drive-thru is used to stored many pallets of a similar products. Lift trucks drive into the rack to extract the first pallet they come to. Pallets in the center of the rack system are not accessed as frequently as those edges.



Isometric View

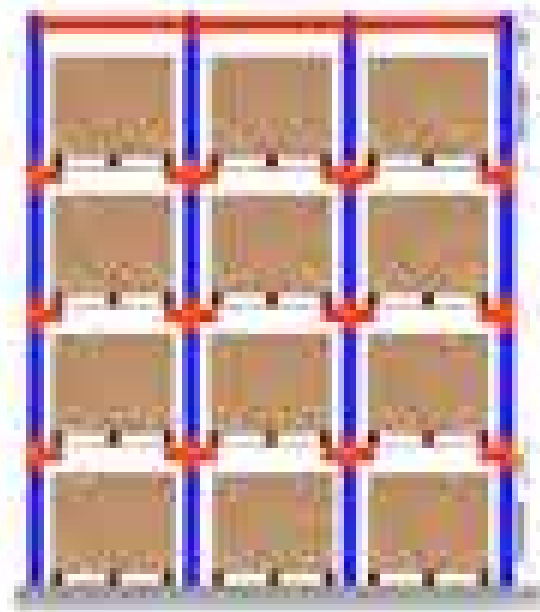
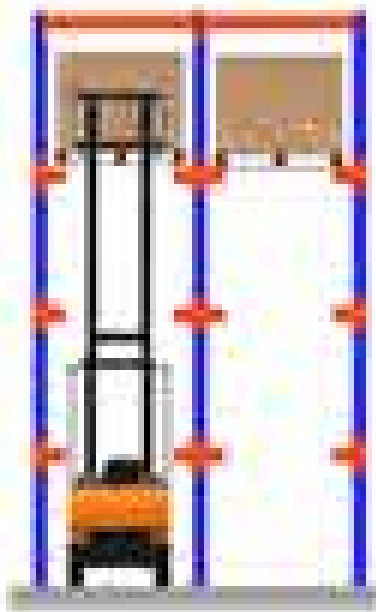
Drive - In Pallet Rack



Drive-in racks are designed for storing bulky, uniform, and heavy loads. They are ideal for storing large quantities of goods in a compact space. The racks are built with heavy-duty steel and are designed to withstand the weight of the loads. They are also designed to be easy to use, with a simple drive-in system that allows for quick and easy loading and unloading.



Drive-In Pallet Rack



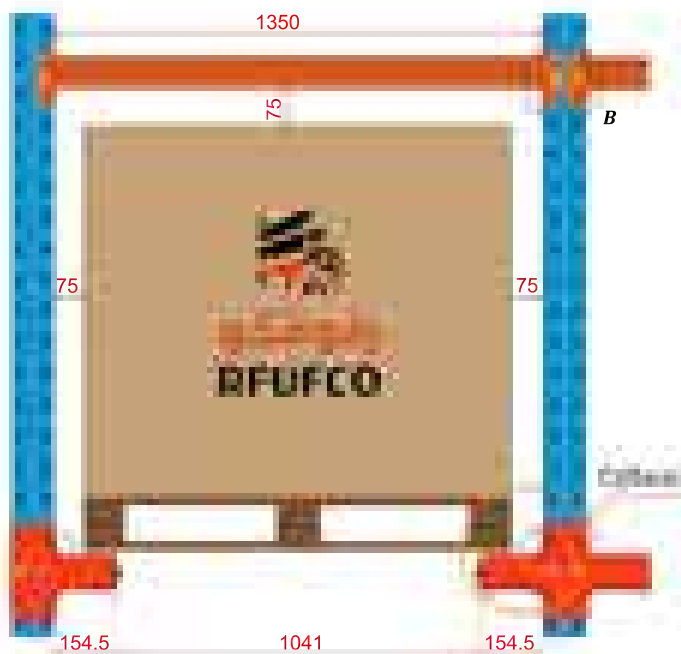
Height

The maximum height dimension is specified as follows:
 A = Height of the lower and intermediate levels + Height of the pallet + 10mm
 B = Height of the upper level + Height of the pallet + 10mm
 C = Total height = at least the sum of all the levels
 (Maximum C is 12m. If there are more levels, the height of 12mm)

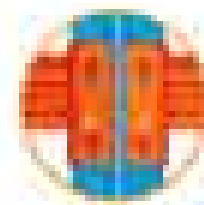
Drive-In Components



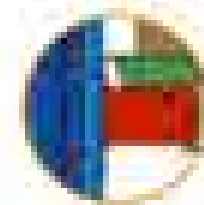
Standard Dimensions:



DETAIL A



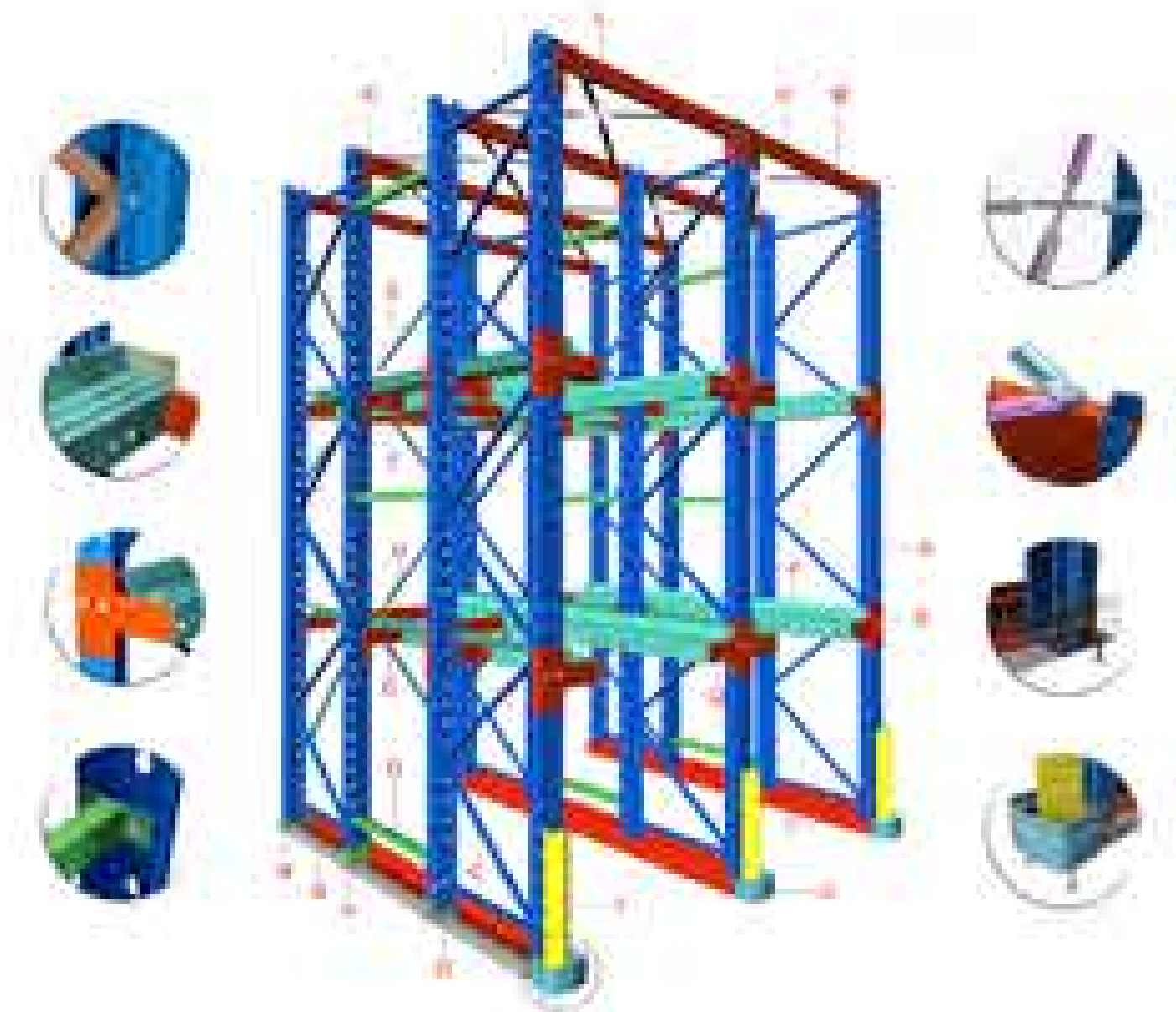
DETAIL B



DETAIL C

For normal forklift operation

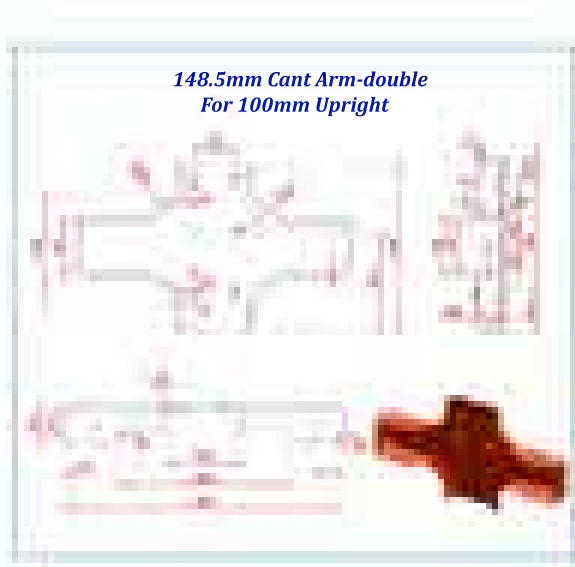
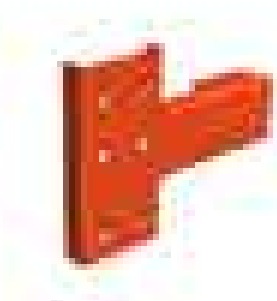
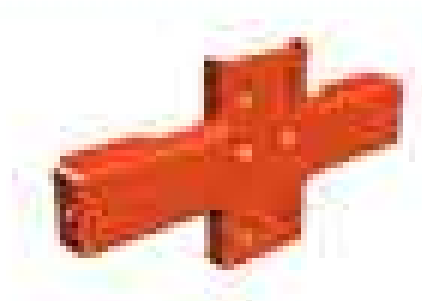
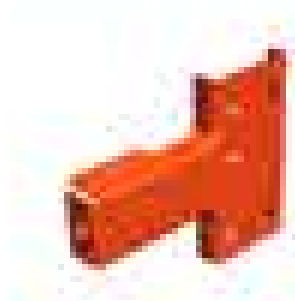
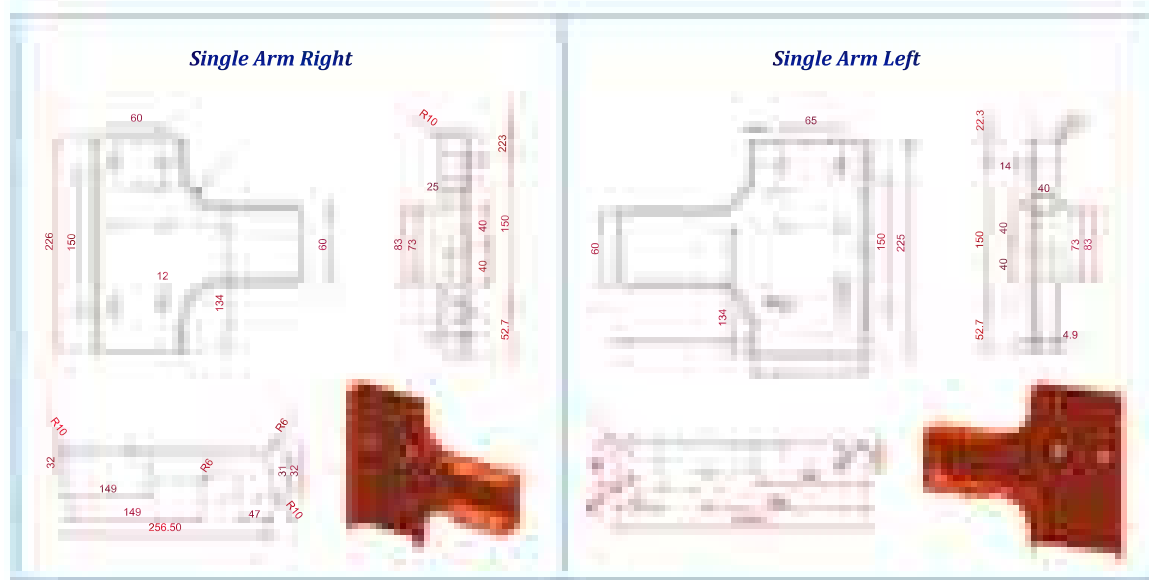
Drive-In Rack Components



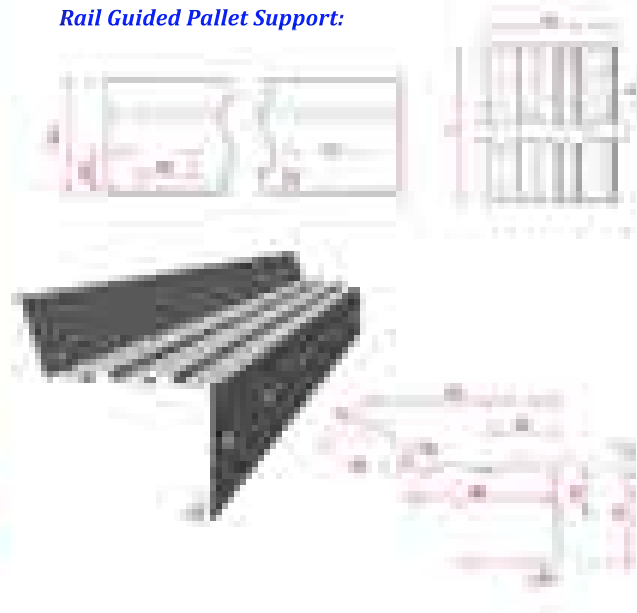
- A. Upright
- B. Horizontal Beam
- C. Diagonal Brace
- D. Cant Arm, Single
- E. Cant Arm Support
- F. Roped Beam with Cant Arm
- G. Roped Beam with Support
- H. Front Cant Arm
- I. Cant Arm
- J. End Cap

- K. Top Brace
- L. Front Beam
- M. Top Front Beam
- N. Post-Top
- O. Small Spacer
- P. Anchor Bolt
- Q. Cant Arm Support
- R. 2 Lip Connector
- S. Bolt Wire
- T. 1 Lip Connector

Drive-In Rack Components



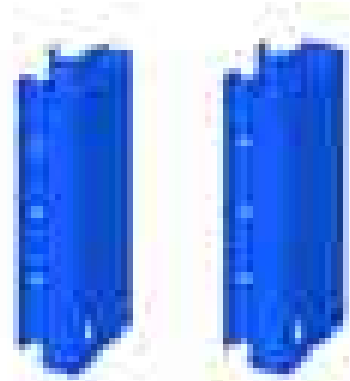
Rail Guided Pallet Support:



Drive-In Rack Components

Upright:

Design as per with reference drawing and according to your
dimensional request about all items given for Drive In rack
(Complete design body at 7days given for drawing)
1 / 1 Sheet upright
Made of galvanized steel
Length can be produced with multiplication of 200mm

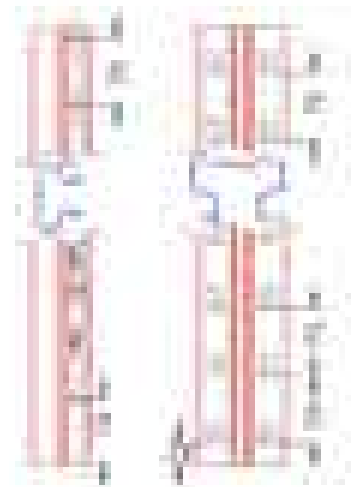


UPRIGHT 100

UPRIGHT 115

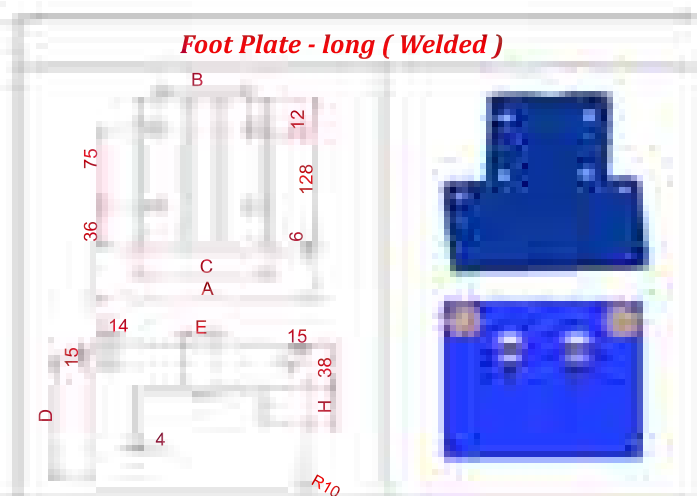
Upright Sections

Type H	Type B
Section : 90x63.5	Section : 100x63.5
Section : 90x63.5	Section : 100x63.5



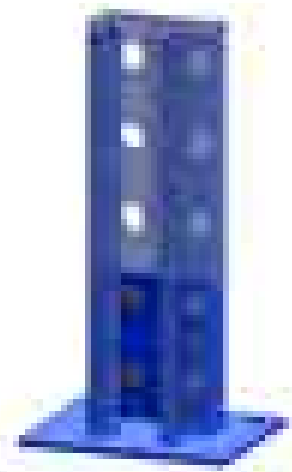
Foot Plate:

Foot Plate - long (Welded)



H A=160, B=60 C=95mm, D=120,E=24.5,H=25mm

X A=175, B=75 C=109mm, D=130,E=30.5,H=29mm



Bolts Free Shelving Storage



Bolts Free Shelvings



Bolts free shelving storage

After years of being known as an ideal storage solution for libraries, schools, and offices, the Bolt-free shelving system has become the standard for the storage of books, documents, and other materials. The system is designed to be flexible and adaptable, allowing users to adjust the shelving to meet their specific needs. The system is also easy to install and maintain, making it a popular choice for many organizations.

Advantages

- The system is designed to be flexible and adaptable, allowing users to adjust the shelving to meet their specific needs.
- The system is easy to install and maintain, making it a popular choice for many organizations.
- The system is designed to be durable and long-lasting, ensuring that it will provide reliable service for many years.
- The system is designed to be easy to use, allowing users to quickly and easily find the materials they need.

Bolts Free Shelvings



Bolts Free Shelvings



Cross Bar Support



Shelf Support

Basic components

1. Frame
2. Shelf
3. Shelf support
4. Crossing bracing
5. Cross support
6. Foot plate

Bolts Free Shelvings

Bolts Free Shelvings is ideal for office documents and objects that need a neat, professional looking system.
The different components are presented in the list below:
(1) Suspension filing set (2) Shelving (3) Vertical divider (4) Side support (5) Back support (6) Base



1

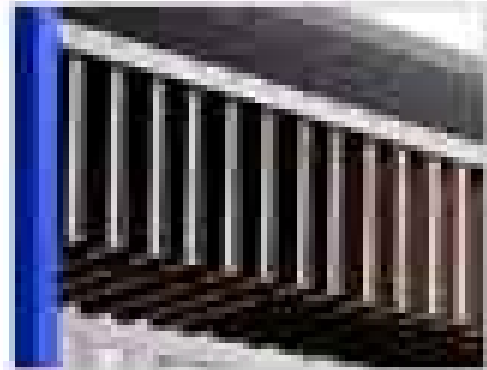
2

3

4

5

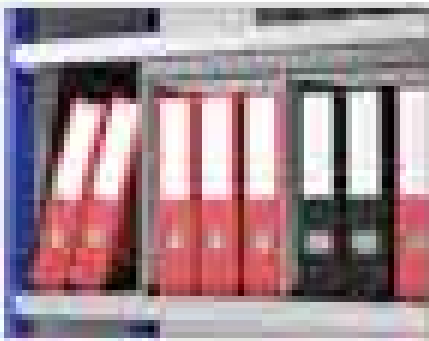
6



Suspension filing set

Basic components

1. Suspension filing set
2. Shelving
3. Vertical divider
4. Side support
5. Back support
6. Base



Detail of the suspension filing set components for back support

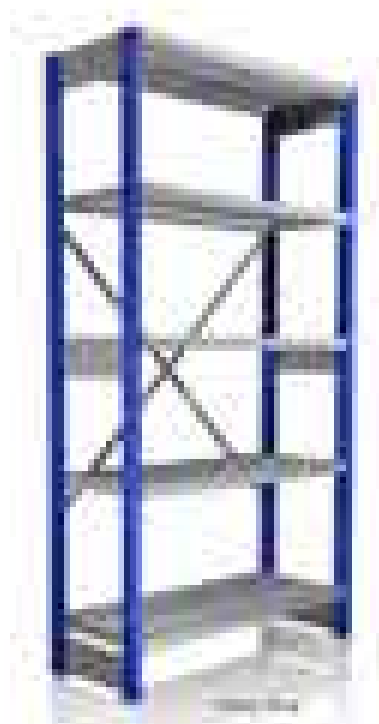


Bolts Free Shelvings



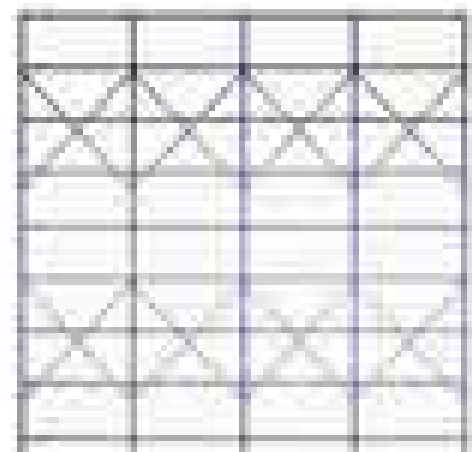
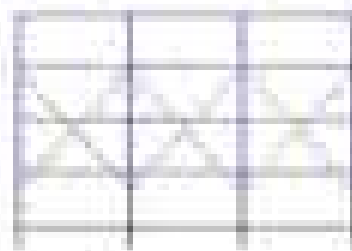
Cross Bracing set

Cross bracing set are used for the stability and longitudinal rigidity of the shelving. They are provided in sets of four at each of the corners to support and protect the main.



Number of cross bracing

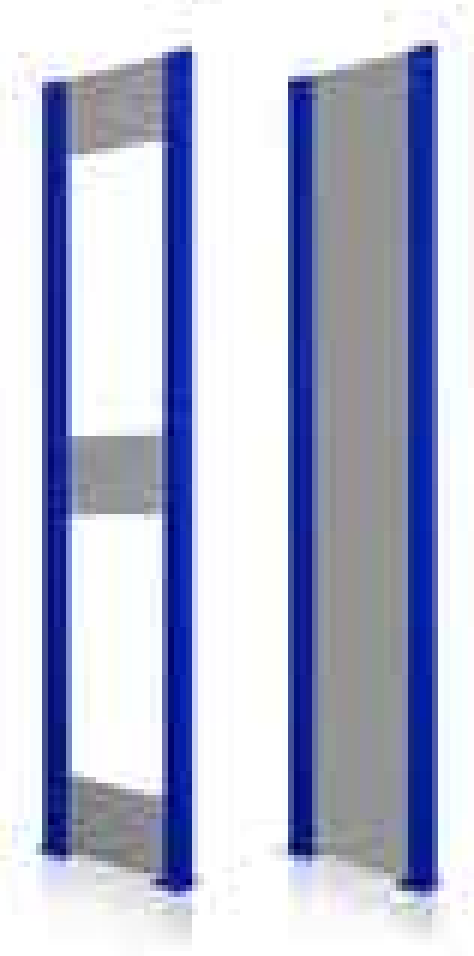
The number of cross bracing set is variable, depending on the height, the number of shelves and the load capacity. For shelving with light loads, the cross bracing set is not required.



Bolts Free Shelvings

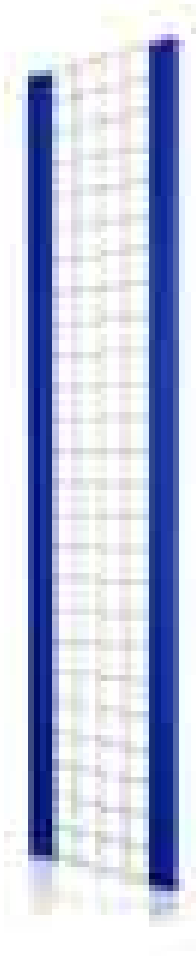
Frames with central metal panelling

These are frames which have a central metal panel which provides a lateral view of the products and providing better ventilation.



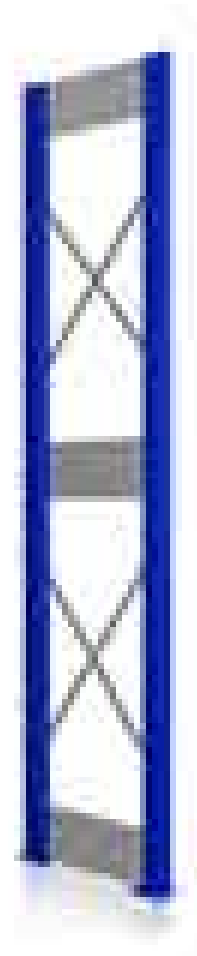
Frames with metal wiremesh

These prevents goods from falling off the side as well allowing a lateral view of the products and providing better ventilation.



Frames with cross ties and diagonal

These are basic frames which, in addition to cross ties, include crossed diagonals to increase the level of rigidity in frames in considerable height.



Frames (Upright)

These are frames which are designed to be used as a single unit or as part of a larger system. They are designed to be used in a variety of ways, including as a single unit or as part of a larger system. They are designed to be used in a variety of ways, including as a single unit or as part of a larger system.

Footplates

Suitable for heavy load, as they distribute the weight over the floor.



Bolts Free Shelvings



The corner clip is inserted into the corner of the shelf and the support bracket. The clip is inserted into the corner of the shelf and the support bracket. The clip is inserted into the corner of the shelf and the support bracket.



The corner clip is inserted into the corner of the shelf and the support bracket. The clip is inserted into the corner of the shelf and the support bracket. The clip is inserted into the corner of the shelf and the support bracket.

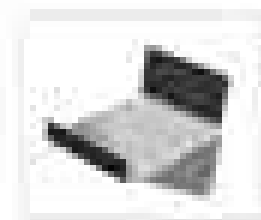


The side clip is inserted into the side of the shelf and the support bracket. The clip is inserted into the side of the shelf and the support bracket. The clip is inserted into the side of the shelf and the support bracket.



Shelf

Shelf Clip Support



Mobile Shelvings



Mobile Shelvings Storage



These shelving units provide excellent storage solutions in a cost-effective, flexible manner. They are designed to be moved and reconfigured to meet your needs.

The units are designed to be moved and reconfigured to meet your needs. They are designed to be moved and reconfigured to meet your needs.

These shelving units provide excellent storage solutions in a cost-effective, flexible manner. They are designed to be moved and reconfigured to meet your needs.

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Mobile Shelvings Storage



It is a set of shelving units arranged in rows which move along rails. It enables you to move individual units and adjust them to the number and location of books in a particular area of your library.

Advantages

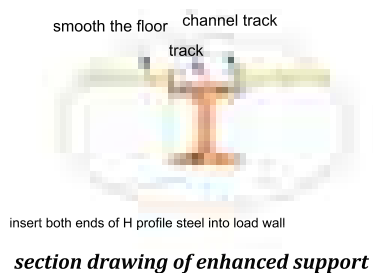
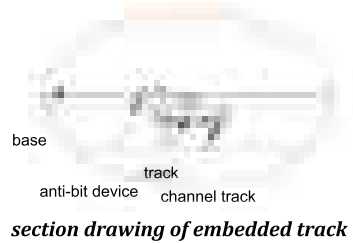
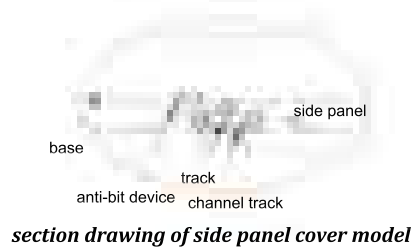
- Cost saving process as it is a compact shelving system
- Can be adjusted to the available space
- Good quality of steel material
- Can be the storage of all kind of books and documents
- Offer the shelves in a high height which can be up to ceiling the space
- Smooth to be moved from the front to the back



Mobile Shelvings Storage



Design of track



Components of mobile shelvings



Mezzanine floor Storage



Mezzanine Floor Storage



Mezzanine Floor are essential to most modern warehouse, factories, and other industrial facilities. Used to storage goods or create additional work or areas, they incorporate features such as cat ladders for access, parcel chutes, and pallet gates.

Our Expert have extensive knowledge in all forms of structural floor. Taking the project on board, we carry out a full site survey, provide you with working CAD drawing, we can also handle all building regulations- a legal requirement for any mezzanine floor, and planning application to local authorities.



Mezzanine Floor Storage



Mezzanine Storage allows you to utilize overhead space for additional offices, record archival or general storage. The key benefit of it is the ability to create new space fast and efficiently.



Mezzanine Floor Storage



Mezzanine storage are suspended or supported floors erected within a building. A mezzanine floor provides additional work or storage space without adding to the building's original footprint something for nothing almost! This storage contains information on industrial and commercial/ retail mezzanine floor, and the options available. There is a mezzanine floor application library, featuring installations in many industry sectors and geographical regions. You will see who is buying red floor and what they think of it You can also find details of relevant building regulations and safety standards, a mezzanine floor gallery, and various downloadable brochures.



Mezzanine Floor Storage

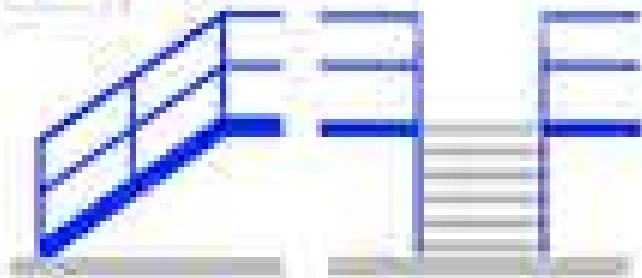
Mezzanine RFUFCO systems are easy to put in, remove, relocate or transform. They are designed to be installed in any space, with no need for structural reinforcement. Staircases are available in an optional standard. Staircases 6.10 ft and 11 ft high are available depending on the height of the floor from the ground and upwards. Special flights must be installed when there are intermediate landings.

The final type of staircase will be chosen on an individual basis, depending on the number of steps. The staircase width (standardized and up to 1200 mm wide) and the number of railings (1 or 2, depending on the location of the staircase).

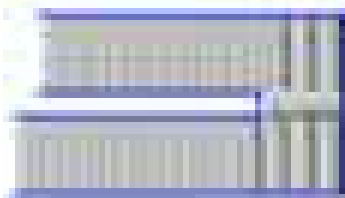
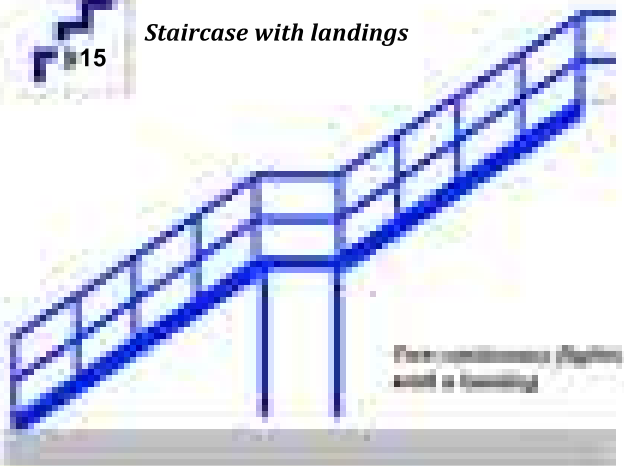
The configuration of the staircase will be according to the floor dimensions and the space needed.



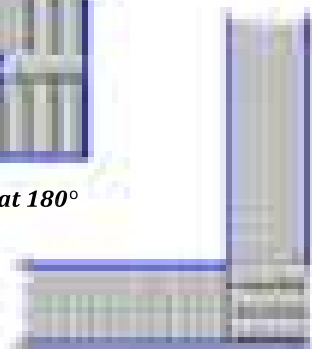
Staircase without landings



Staircase with landings



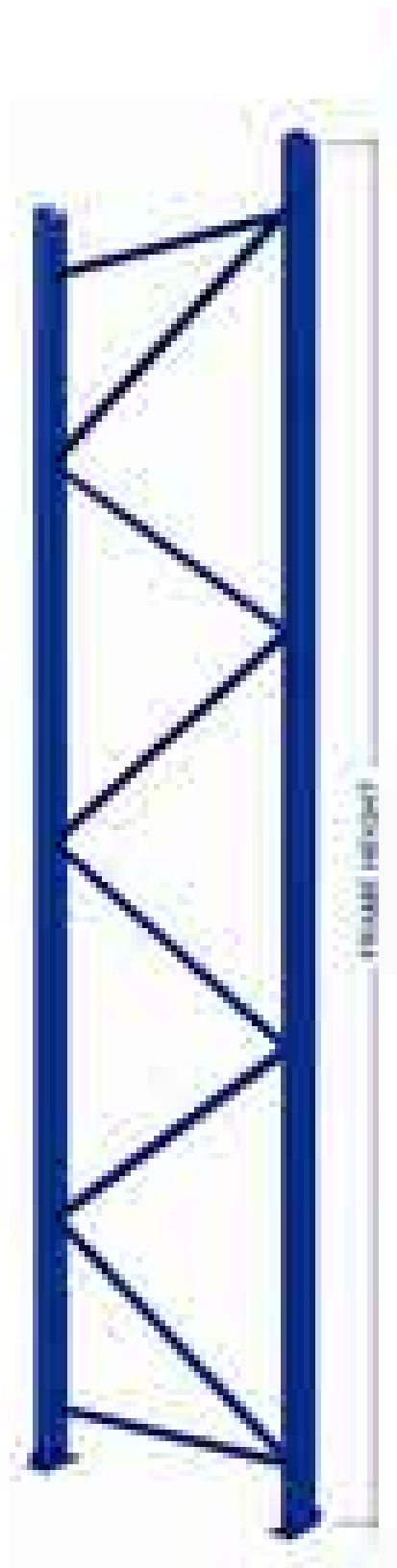
Two flights of stairs at 180°



Two flights of stairs at 90°

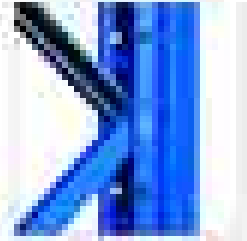


Mezzanine Floor Components



Frame (Upright)

These components consist of two uprights joined together with cross bracing that provide structural support throughout the entire height.



Beam

These are the horizontal and vertical components of the steel frame which they are important they are subject to the weight and compression or tension when in use the size of the weight.



Mezzanine Shelf (Galvanized)

These are the horizontal components of the mezzanine floor which they are subject to the weight and compression or tension when in use the size of the weight.

Shelves

These are the horizontal components of the mezzanine floor which they are subject to the weight and compression or tension when in use the size of the weight.



Mezzanine Platform Storage



Mezzanine Floor Storage



Mezzanine are steel structure made out of main beams and columns. They create new elevated surfaces on warehouse or premises floors, enabling extra space for storage, work areas, offices, in a quick and in expensive way.

In order to offer the most complete account of individual cases, the *Chicago Economic Development* project has looked first and foremost at the local and district-level economic environment in which they are situated. Where development is occurring (or not), why, and the characteristics of the actors involved are the focus of the project's local-level research. The work plans for project 1B involving case-study research were



Mezzanine Floor Storage



Installation of a mezzanine or elevated platform is one most economical ways to create additional storage space in a ware-house, distribution center or industrial or manufacturing facility where high ceiling exist. Storage mezzanine and elevated platforms allow storing uniform or odd-size parts, machinery, equipments, supplies or other bulk items at floor levels as well as above, nearly doubling the storage capacity of the available floor storage.

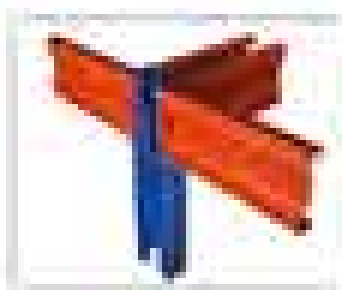


Mezzanine Platform Storage



Zigma System

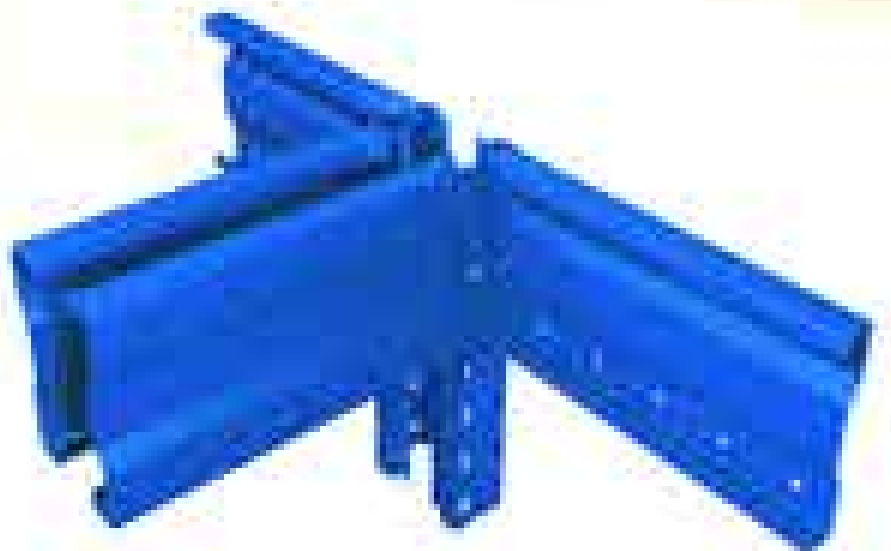
The Zigma System is a modular storage system that can be used for a wide range of applications. It is made of galvanized steel and is designed to be easy to install and maintain. The system is made of galvanized steel and is designed to be easy to install and maintain.



Zigma Post



Zigma Beam



Mezzanine Galvanized Metal Floor

The Mezzanine Galvanized Metal Floor is a modular storage system that can be used for a wide range of applications. It is made of galvanized steel and is designed to be easy to install and maintain. The system is made of galvanized steel and is designed to be easy to install and maintain.

Longspan Shelving Storage



Longspan Shelvings Storage



Level composed of beams and shelves

Level composed of beams and shelves
Level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

The level composed of beams and shelves

Longspan Shelvings Storage



Storage system for manual picking of products following the "man to goods" principle.



Main Benefits are:

- Possibility of storing medium to heavy loads
- Adjusting between multiple level of 25 or 50mm, depending on the construction system used.
- Racks up to 20m high can be built.
- Possibility of installing one or several gangways to gain access to upper levels
- Easy assembly
- Excelent mobility

Longspan Shelving Storage



Longspan Shelvings Storage



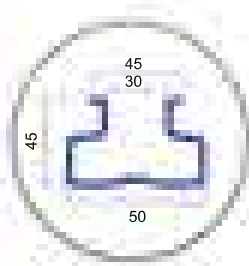
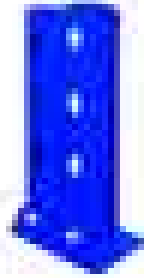
Light duty rack is the most popular series and best selling product, it has found wide application in industrial, institutional commercial and many fields.



Longspan Shelvings Components



The most regularly used construction systems are made of beams and shelves or by shelves and supports.



Upright

Uprights are vertical components that support the shelves. They are made of heavy-duty steel and are available in various heights and widths. The uprights are connected to the shelves by means of bolts and nuts.

Shelves

Shelves are horizontal components that support the load. They are made of heavy-duty steel and are available in various lengths and widths. The shelves are connected to the uprights by means of bolts and nuts.

Galvanized



Metal Coil

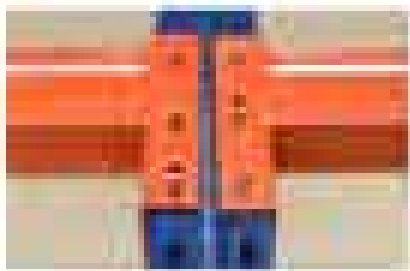


Beam

Beams are horizontal components that support the load. They are made of heavy-duty steel and are available in various lengths and widths. The beams are connected to the uprights by means of bolts and nuts.

Footplate

Footplates are horizontal components that support the load. They are made of heavy-duty steel and are available in various lengths and widths. The footplates are connected to the uprights by means of bolts and nuts.



Very Narrow Aisle (VNA)





- [illegible]



Very Narrow Aisle (VNA)



Standard Pallet Rack Configuration



Very Narrow Aisle Rack Configuration

Very Narrow Aisle (VNA)



Double Deep Pallet Rack



Double Deep Pallet Rack



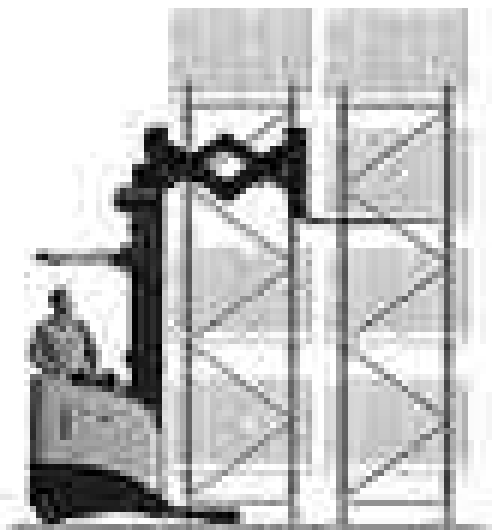
Facts about Double Deep Pallet Racking System

- Lower beam level required for some types of equipments
- Operates up to height of 10m
- Average stock rotation
- Average order picking, 50% selectivity
- Average Floor area utilization 40% net pallet area usage of overall warehouse area
- Redundancy rates can run between 10-20% dependant on the quality of the WMS programme
- Popular against Drive-in Racking, as a lower cost alternative which increase capacity over selective by up 30%
- Recommend the use of pallet rails or pallet support bars above 4m. to increase MH productivity and improve safety of the operation.
- Recommend to use colum protectors when using MH equipment that requires the straddle leg to go below bottom beam or between pallets and upright
- Mechanical Handling Equipment
 1. Specialist machine with either pantograph or telescopic forks, or using a purpose designed attachment, which can be fitted to standard reach truck.

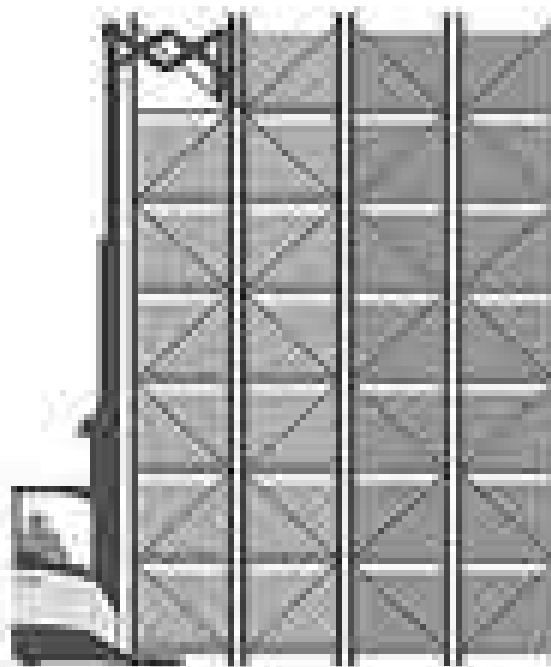
Double Deep Pallet Rack

TOP 5 Benefits of Double Deep Racking

1. Utilizes double floor space
compared to single aisle racking
systems
2. Increased storage capacity
without increasing footprint
footprint
3. Deep aisles allow for greater
flexibility in pallet depth
4. Deep configurations allow
stack depth to meet or
exceed loading
5. Increased effective working
configuration



Double -Deep Against wall

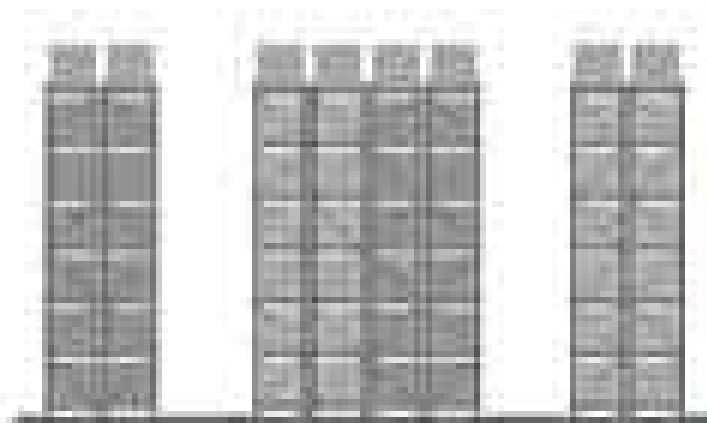


Double -Deep Back-to-back

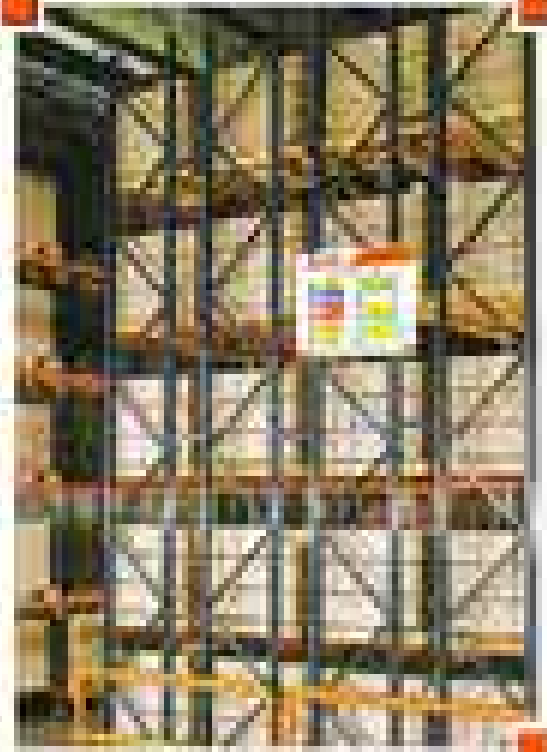
Double Deep Pallet Rack

The **Double Deep** loading system is designed for maximum storage capacity. Double deep loading system is capable of storing two pallets deep into the system. This is done by using two pallets deep into the double entry rack. This is done by using two pallets deep into the double entry rack. This is done by using two pallets deep into the double entry rack.

This system is particularly designed when the storage is in one or two bays. The system is designed to be used in a single bay or in a double bay. This is done by using two pallets deep into the double entry rack. This is done by using two pallets deep into the double entry rack.



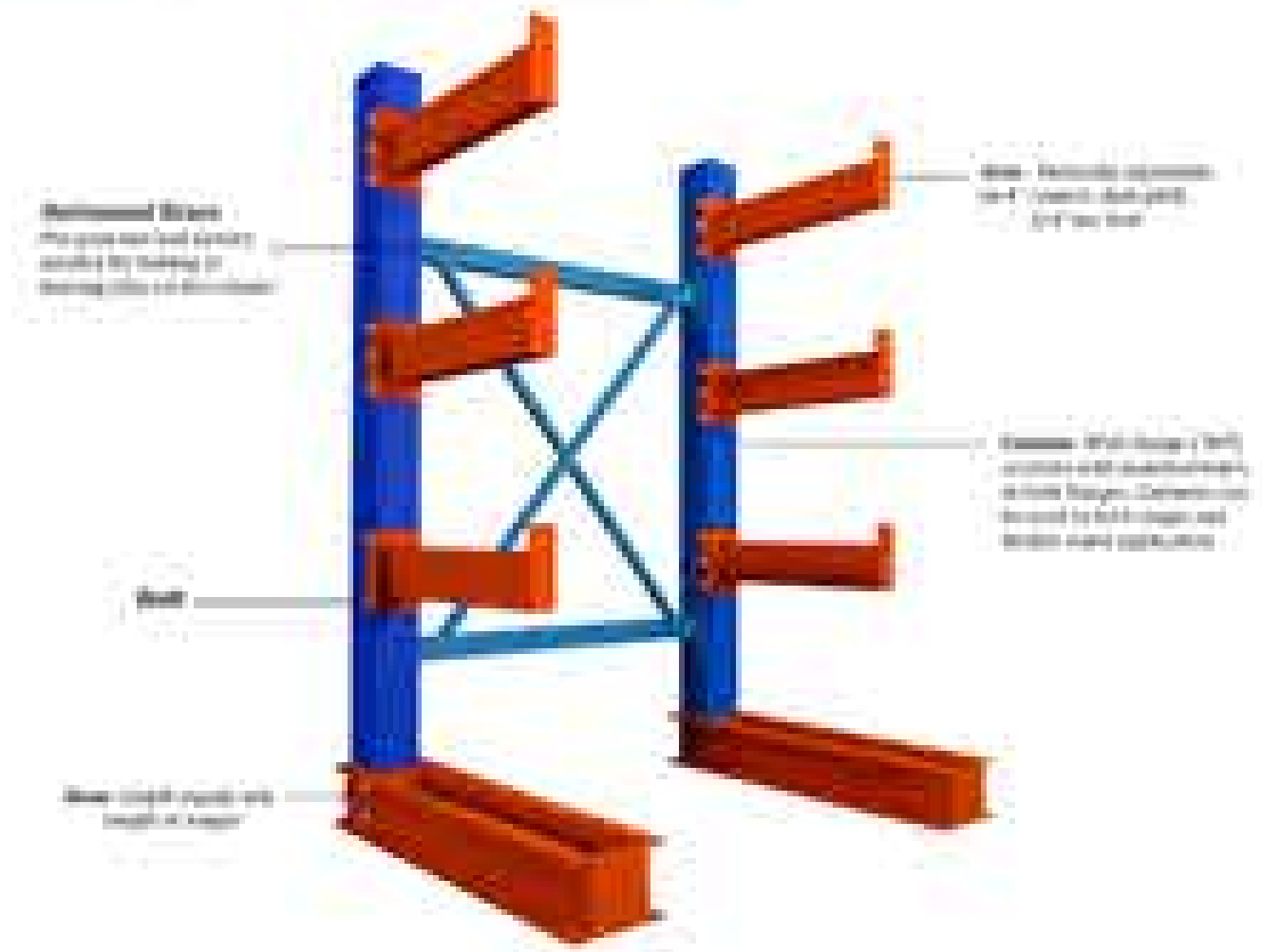
Side Elevation



Cantilever Rack Storage

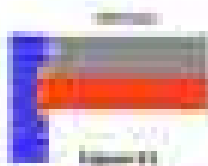


Cantilever Specification

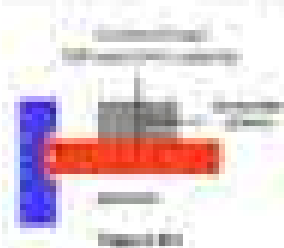


Determine the length of the pipe

This diagram shows how to determine the minimum length of the pipe. A 16" wide double channel pipe requires a 16" pipe. In the diagram of 16" x 16" wide pipe, a 16" wide double channel pipe is required. The minimum length of the pipe is determined by the width of the pipe and the length of the beam.



After all the requirements are met, the minimum length of the pipe is determined by the width of the pipe and the length of the beam.



Cantilever Rack

Easy to build and reconfigure

Quickly gets your storage organized

Frames capacities up to 1750kgs

Arms carry loads up to 185kgs

Single or double sided configuration

Frames available in 8 heights, 3 depths

Optional end stops available

Secure any loose items from falling off

Strong powder coating finish

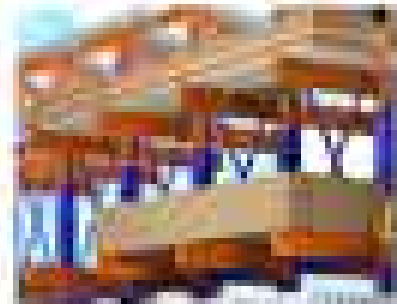
Other RFL 1000 series frames will suit
other types of loads



Cantilever for dram tank



Cantilever for cable roll



Cantilever for lumber

Cantilever Specification



Cantilever racking is specially designed to store long loads such as beams, profiles, pipes and timber

Cantilever Storage is widely used to store
extensive the storage materials such as building
material and other items with long length,
especially those in construction.

They are also used primarily by the owner
and building material company for building
and storage materials such as bricks and
other construction materials.



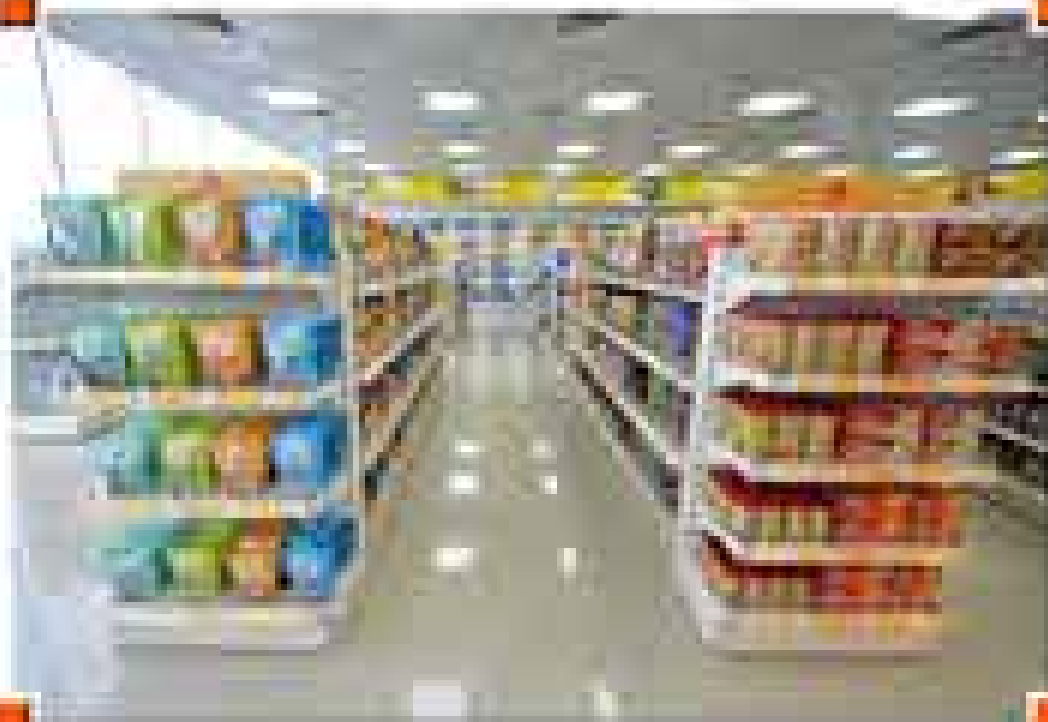
Supermarket Shelvings



Supermarket Shelvings



Supermarket Shelvings



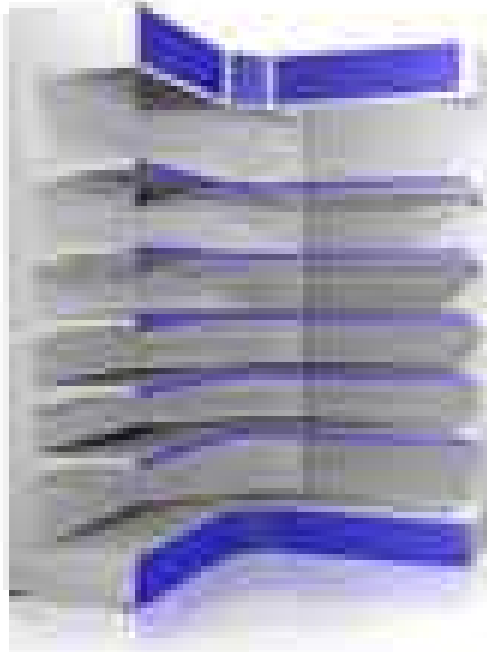
Supermarket Shelvings



Hypermarket shelvings



Hypermarket Shelvings



Hyper market corner wall gondola



Hypermarket island gondola



Supermarket Shelvings



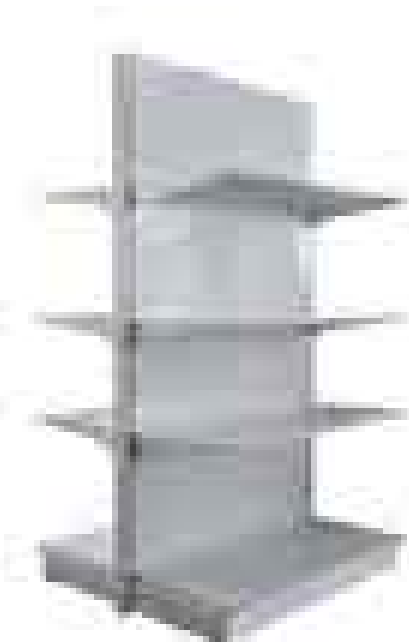
Island Gondola w/ Hole Back Panel			
Model	Depth	Height	Weight
IS-100	1000mm	1800mm	150kg
IS-1200	1200mm	1800mm	180kg
IS-1400	1400mm	1800mm	210kg
IS-1600	1600mm	1800mm	240kg
IS-1800	1800mm	1800mm	270kg
IS-2000	2000mm	1800mm	300kg
IS-2200	2200mm	1800mm	330kg
IS-2400	2400mm	1800mm	360kg
IS-2600	2600mm	1800mm	390kg
IS-2800	2800mm	1800mm	420kg
IS-3000	3000mm	1800mm	450kg



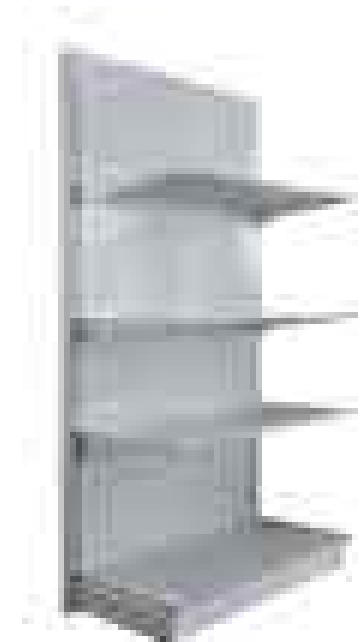
Island Gondola			
Model	Depth	Height	Weight
IS-100	1000mm	1800mm	120kg
IS-1200	1200mm	1800mm	150kg
IS-1400	1400mm	1800mm	180kg
IS-1600	1600mm	1800mm	210kg
IS-1800	1800mm	1800mm	240kg
IS-2000	2000mm	1800mm	270kg
IS-2200	2200mm	1800mm	300kg
IS-2400	2400mm	1800mm	330kg
IS-2600	2600mm	1800mm	360kg
IS-2800	2800mm	1800mm	390kg
IS-3000	3000mm	1800mm	420kg



*Island Gondola
w/ Hole Back Panel*



Island Gondola



End Gondola

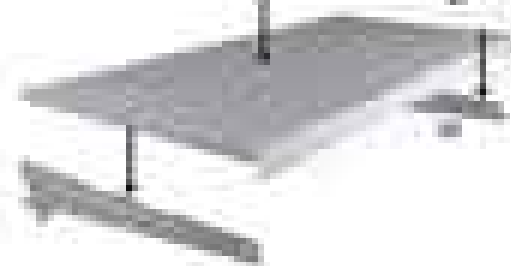
Supermarket Shelvings

Standard Dimensions of the Shelving

The following shows the standard dimensions of the suspended and base shelves.



Suspended Shelf



Shelf Type	Shelf Depth	Shelf Height
Suspended Shelf	450mm	150mm
Base Shelf	450mm	150mm

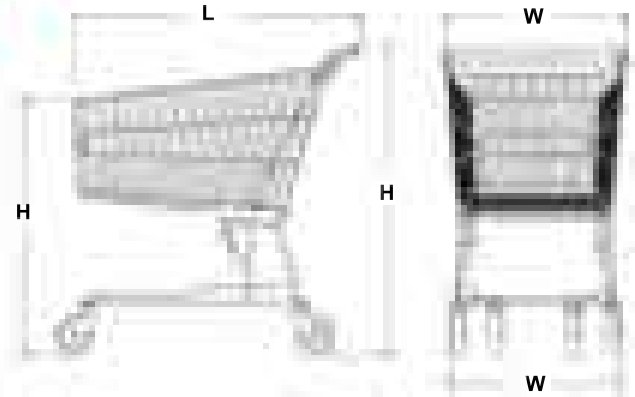


Base Shelf



Shelf Type	Shelf Depth	Shelf Height
Suspended Shelf	450mm	150mm
Base Shelf	450mm	150mm

Supermarket Shopping Trolley



Supermarket Trolley Standard Size

Model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Capacity (kg)
ST-1	1100	450	1100	15	150
ST-2	1100	450	1100	15	150
ST-3	1100	450	1100	15	150
ST-4	1100	450	1100	15	150
ST-5	1100	450	1100	15	150
ST-6	1100	450	1100	15	150
ST-7	1100	450	1100	15	150
ST-8	1100	450	1100	15	150
ST-9	1100	450	1100	15	150
ST-10	1100	450	1100	15	150

- Special steel wire mesh basket structure of hot rolled steel and stainless steel
- All permanently welded is finished by the colour of red powder
- It has several pieces of handles and safety wheels specially
- Strong and durable and easy to use for shopping and parking



Supermarket Shopping Basket



RSB - 2001



RSB - 2002



RSB - 2003



RSB - 2004



RSB - 2005



RSB - 2006



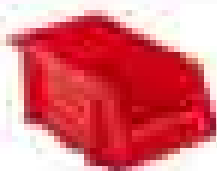
RSB - 2007

Plastic Stacking Bin



Model	Dimensions (mm)				Weight (kg)	Volume (m³)
	L	B	H	W		
PLD	1150	1000	750	100	75000 m	0.8
PLD	1000	800	1000	100	80000 m	0.8
PLD	1000	1000	1000	100	100000 m	0.8
PLD	1000	1000	1000	100	100000 m	0.8

Plastic Bin Advantages



CODE - 2250
size - 175x300x150



CODE - 2249
size - 102x170x74



CODE - 2254
size - 340x510x250



CODE - 2253
size - 340x510x200

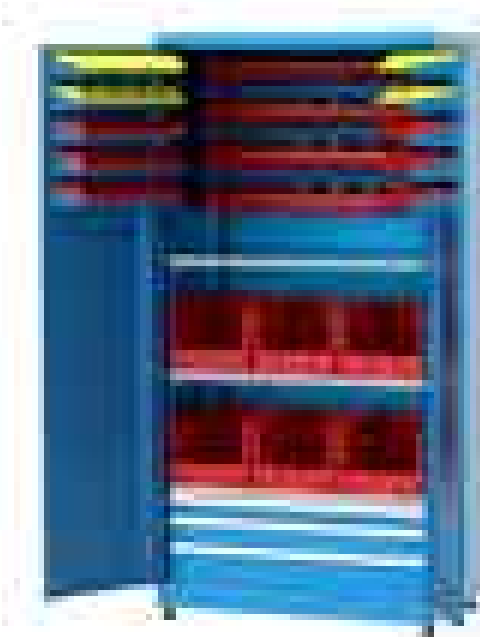


CODE - 2252
size - 260x400x200



CODE - 2251
size - 260x400x150

Plastic Stacking Bin



CODE - 2258
Metal Cabinet with Bins



CODE - Stand 2261
size -1050 x 860 x 1800



RFUFCO is a leading manufacturer of plastic storage bins and containers. We provide a wide range of plastic storage bins and containers in various sizes and colors. Our bins and containers are made of high-quality plastic and are designed to be durable and long-lasting. We also offer a variety of accessories for our bins and containers, such as dividers and labels. Our products are used in a wide range of applications, from industrial to retail. We are committed to providing our customers with the highest quality products and service.

Plastic Box Bin Container



- 
1. Skid proof corrugated lid make it easy to attached label and increase the friction when stacking.
 2. Lid connected to body by plastic joints to provend from rusting & stealing.
 3. Reinforce structure resists impact and moisture to protect your valuable products.
 4. Textured bottom provides ex-ceptional traction on conveyors or other auto handling machines.
 5. Enhanced construction improved the stacking ability
 6. Integral Hinged lid with rein-forcing ribs ensures tight closure, dustproof and impact resistant
 7. Large label holder ensure the quick content identification
 8. Safety Pin; to inhibit theft tamper during transportation and storage.
 9. Comportable handling designs provide excellent grip.
 10. Label and bar code are easily applied to textured areas on lids and sides.

Plastic Box Bin Container

Size - 400mm x 600mm x 365mm



Size - 400mm x 600mm x 230mm



Size - 400mm x 600mm x 416mm



Size - 300mm x 400mm x 220mm



Size - 400mm x 600mm x 355mm



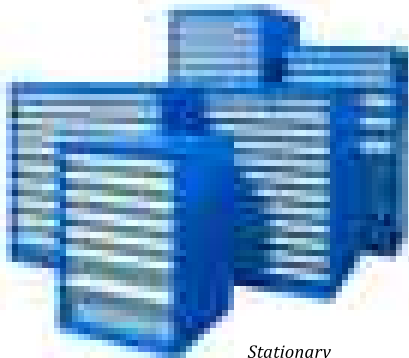
Size - 400mm x 600mm x 410mm



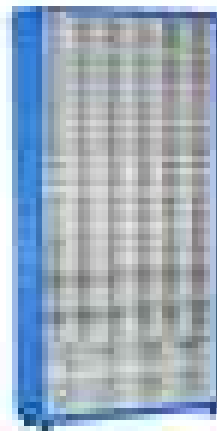
industrial Steel Cabinet & Trolley



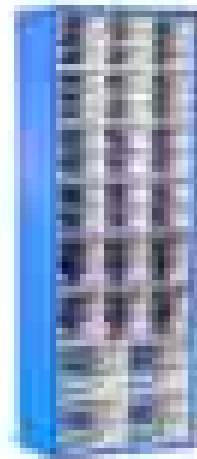
*Stationary steel drawer
with filling rack*



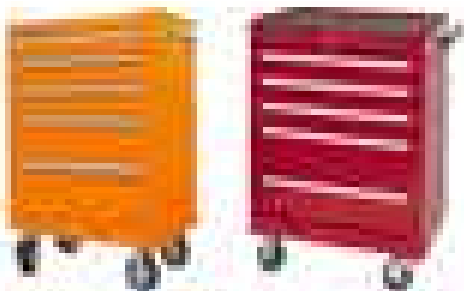
*Stationary
Metal Drawer*



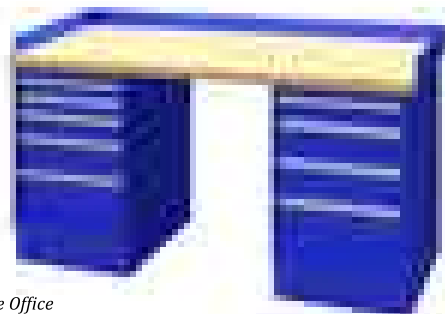
*Drawer Box Single
Sided Stand*



Hobby Stand



Metal Trolley with Drawers



*Table Office
Stationary Metal Drawer*

Industrial Steel Cabinet & Trolley



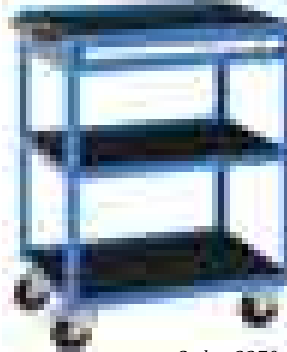
Code - 2259
Trolley with Drawers



Code- 2260
Trolley with Drawers



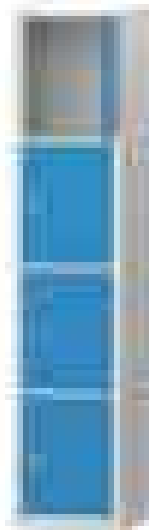
Code- 2271
Metal Trolley with Drawers



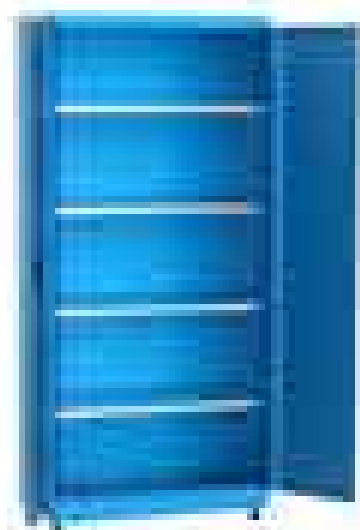
Code - 2270
Metal Trolley with Drawers



Code - 2263
Material Cabinet



Code - 2264
Locker Cabinet



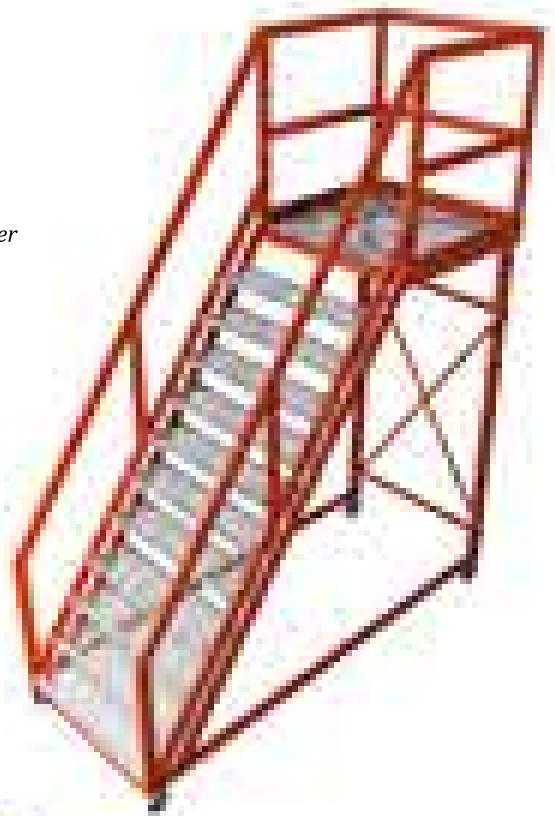
Code - 2269
File Cabinet

Industrial Steel Ladder



Heavy Duty Rolling Ladder

RIL- 2035



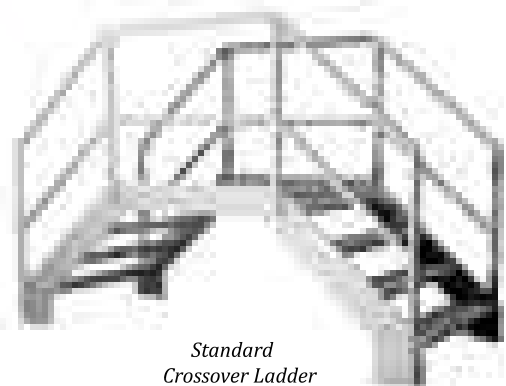
RIL- 2036



*Light Duty
multi-purpose Ladder*
RIL- 2037



Cantiliver Ladder
RIL- 2038

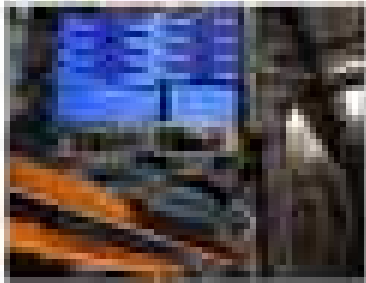


*Standard
Crossover Ladder*
RIL- 2039

Plastic Pallets



Plastic Pallet



Dynamic Load



Racking Load



Static Load



Plastic Pallet



Dimension	Standard color	Weight (kg)	Stack load	Static load (kg)	Dynamic (kg)
1200x1000x140mm	Standard Blue / Red / Green	18	4000kg	5000	3000
1200x800x140mm	Standard Blue / Red / Green	14	3000kg	4000	2500



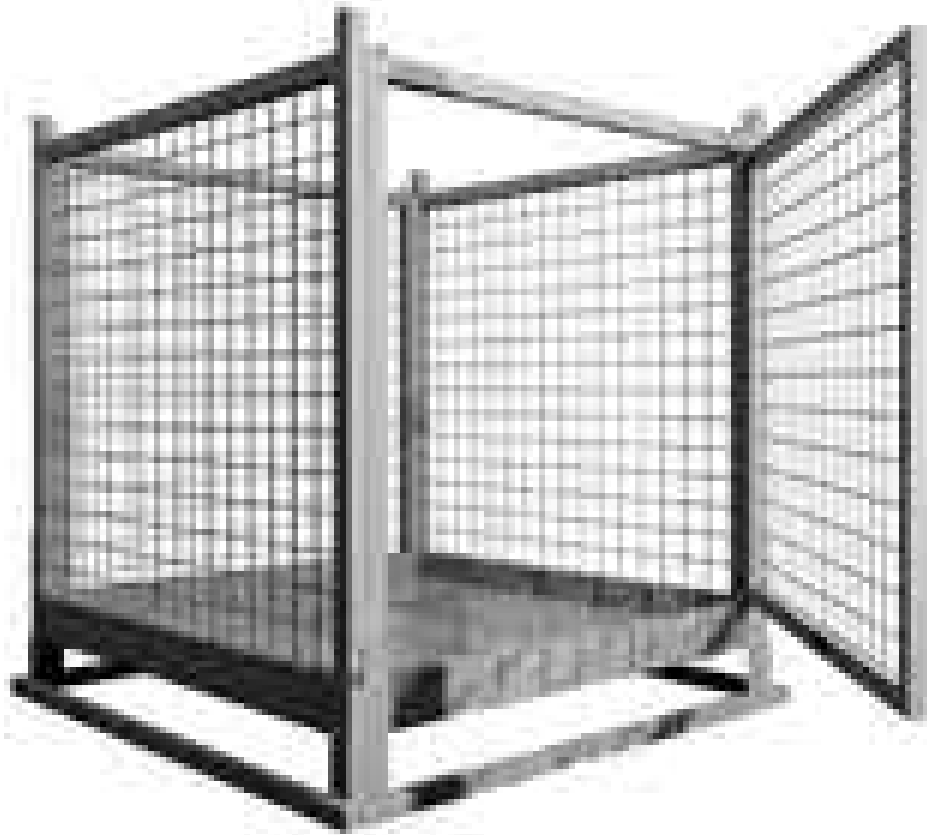
Hand Pallet Specification



Specifications:

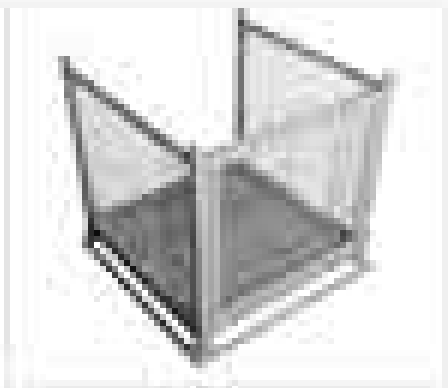
Max.Capacity = 2,500kgs.
 Lowered Fork Height = 85mm
 Total Lift Height = 1220mm
 Handle Less Height = 460mm
 Fork Length = 1150mm
 Overall Fork Width = 540mm

Steel Pallet Container

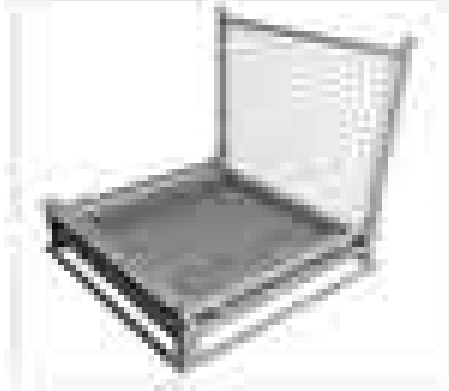


Folding pallet container

Step 1



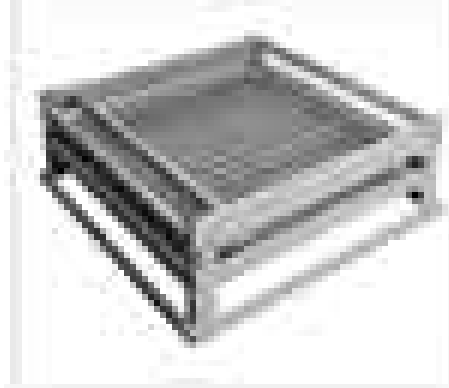
Step 3



Step 2



Step 4



Steel Pallet



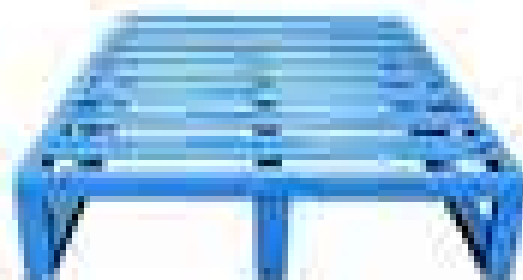
RSP- 101



RSP- 102



RSP- 103



RSP- 104

Industrial Steel Pallet Container



RISPC- 2007



RISPC- 2008



RISPC- 2009



RISPC- 2010



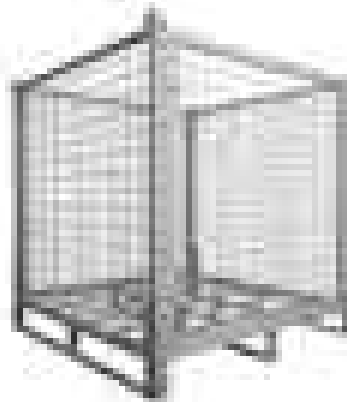
RISPC- 2012



RISPC- 2013



RISPC- 2014



RISPC- 2015

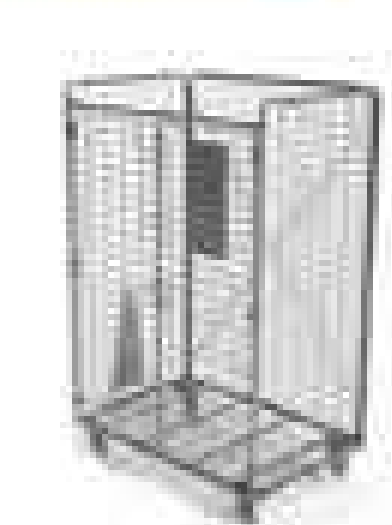


RISPC- 2016

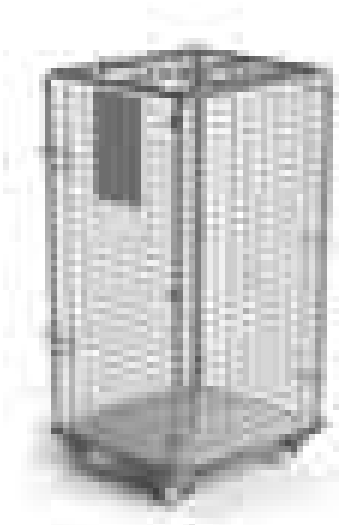
Push Cart Roll Container



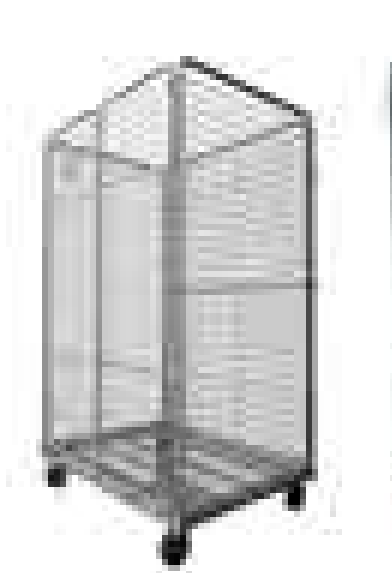
RPCRC- 2017



RPCRC- 2018



RPCRC- 2019



RPCRC- 2020



RPCRC- 2021



RPCRC- 2022



RPCRC- 2023



RPCRC- 2024



RPCRC- 2025

Industrial Push Cart



RPC- 2026



RPC- 2027



RPC- 2028



RPC- 2029



RPC- 2030



RPC- 2031



RPC- 2032



RPC- 2033

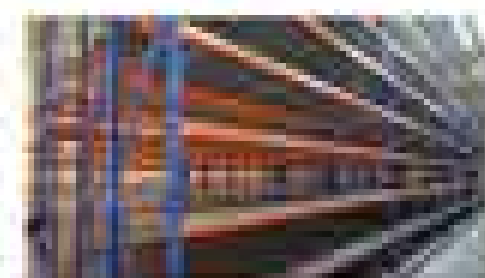
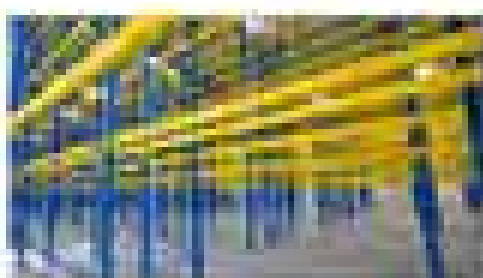
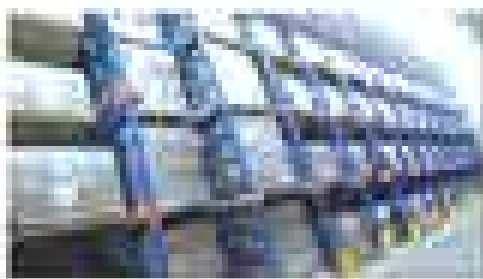


RPC- 2034

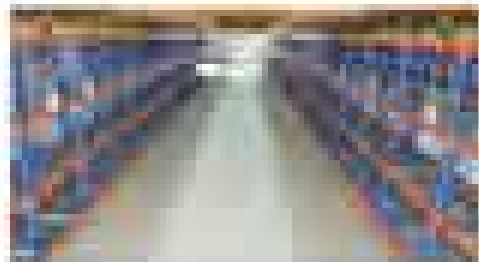
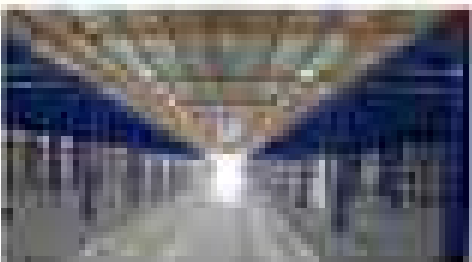
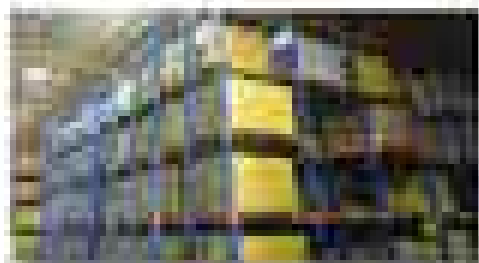
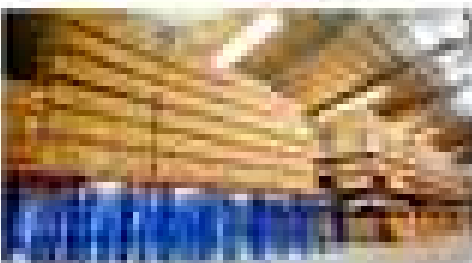
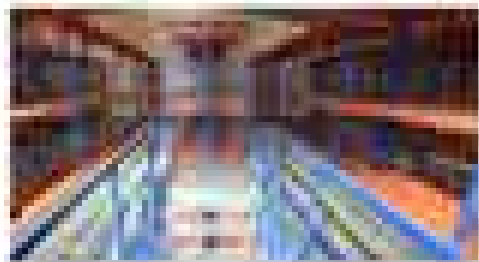
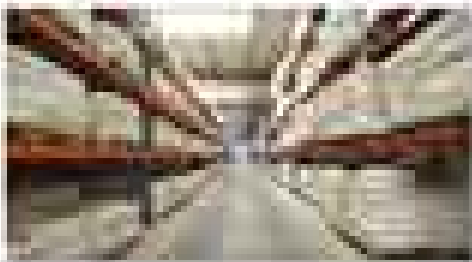
Chrome Hanging & Shelving System



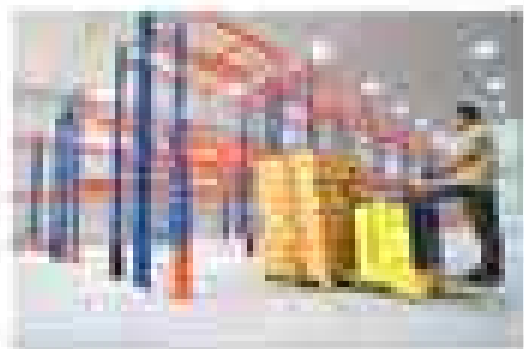
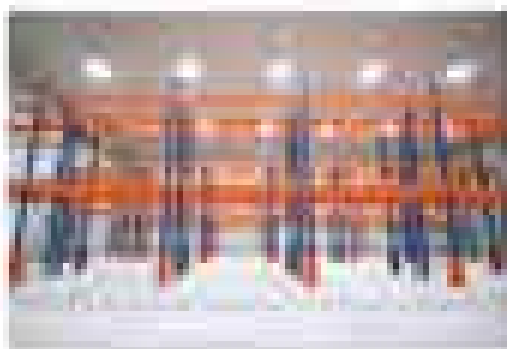
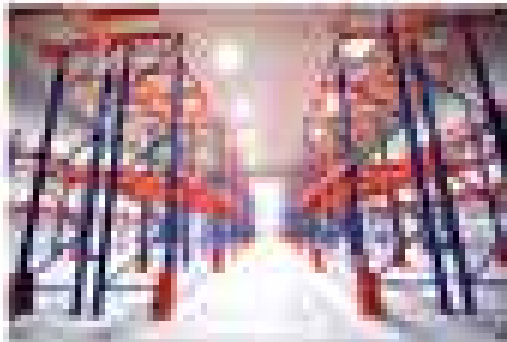
Some of Finish Project



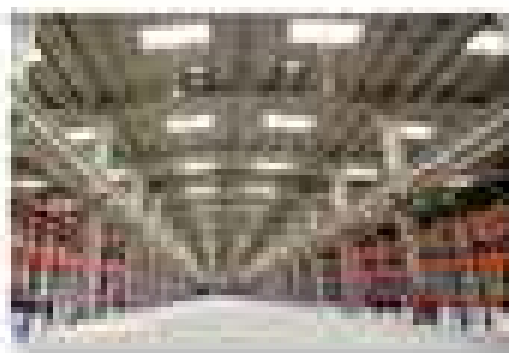
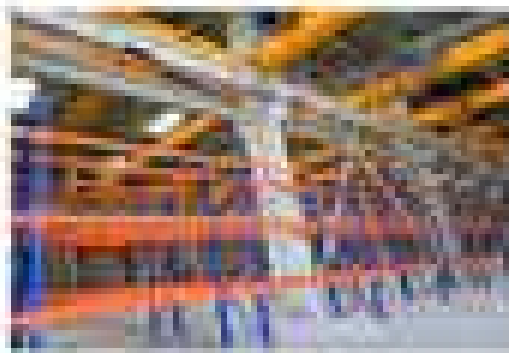
Some of Finish Project



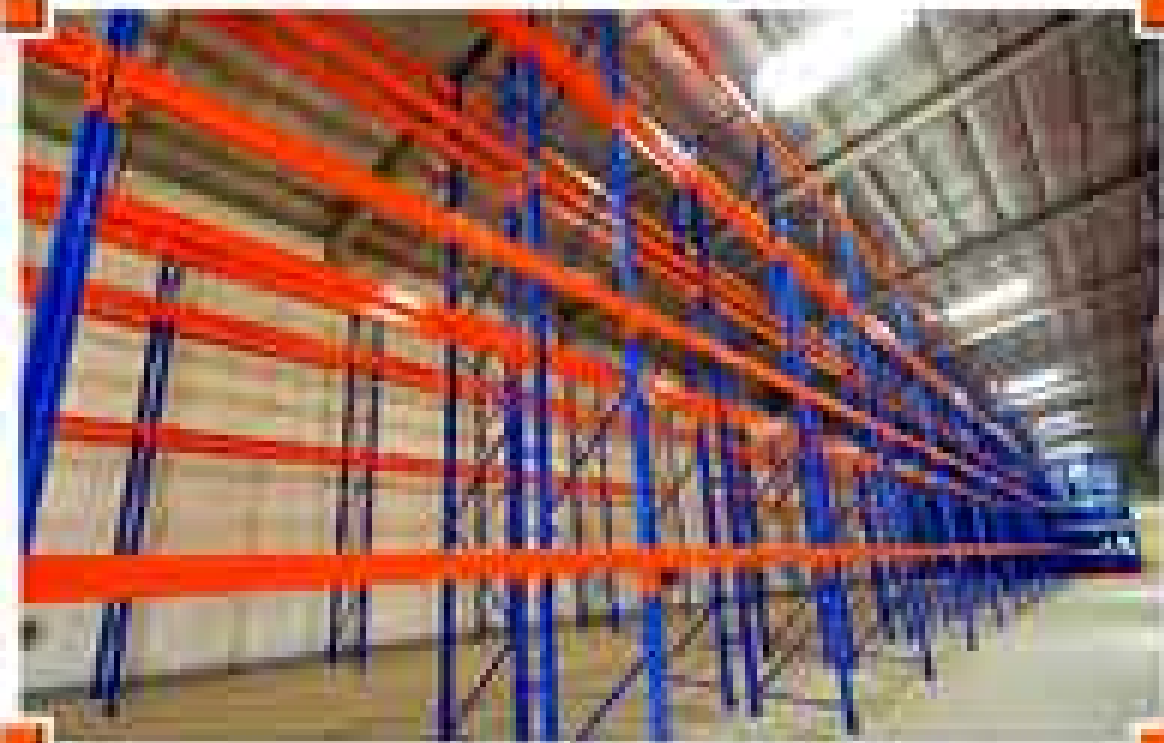
Some of Finish Project



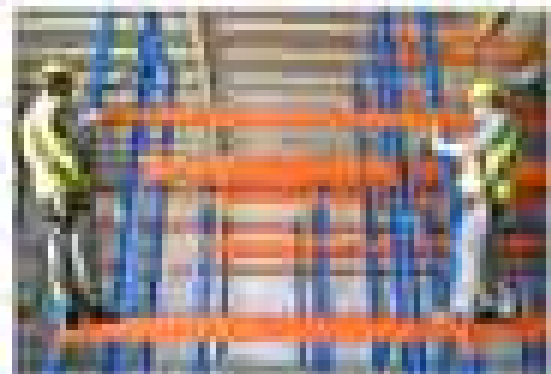
Some of Finish Project



Some of Finish Project

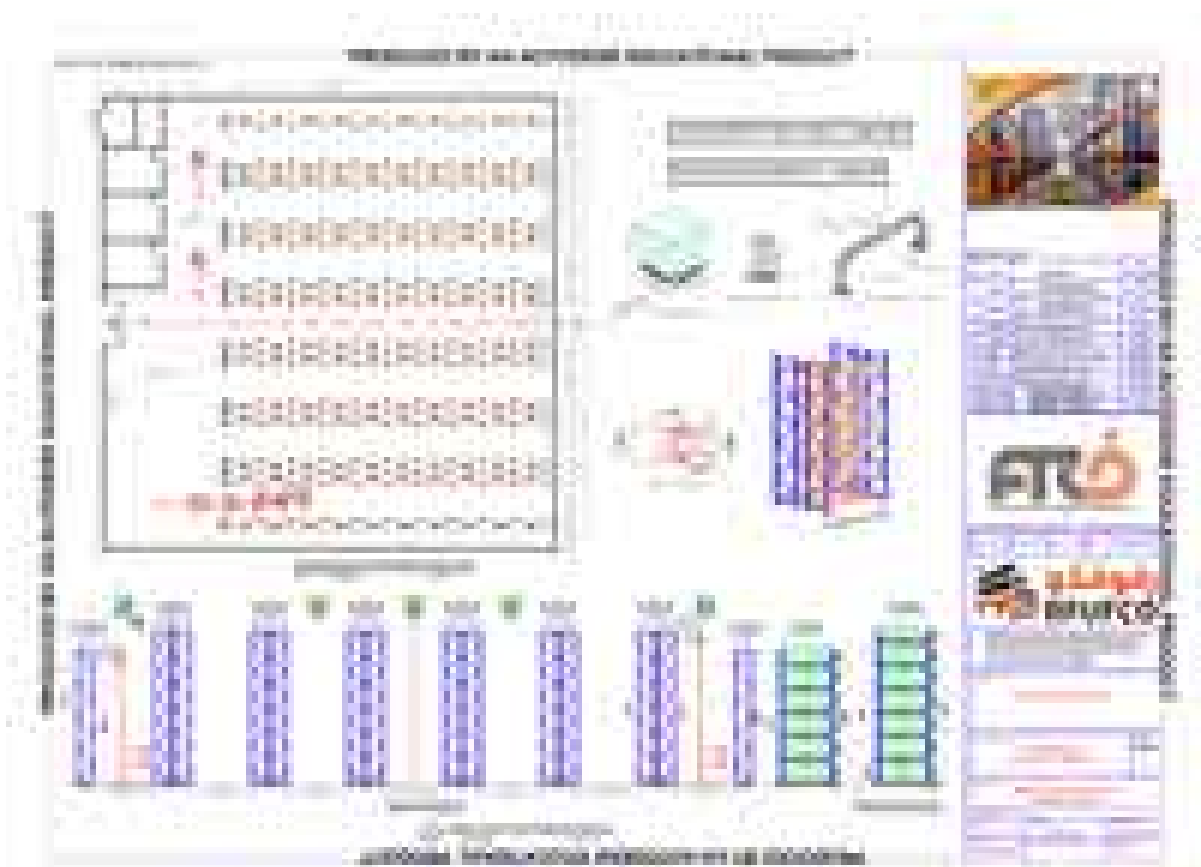
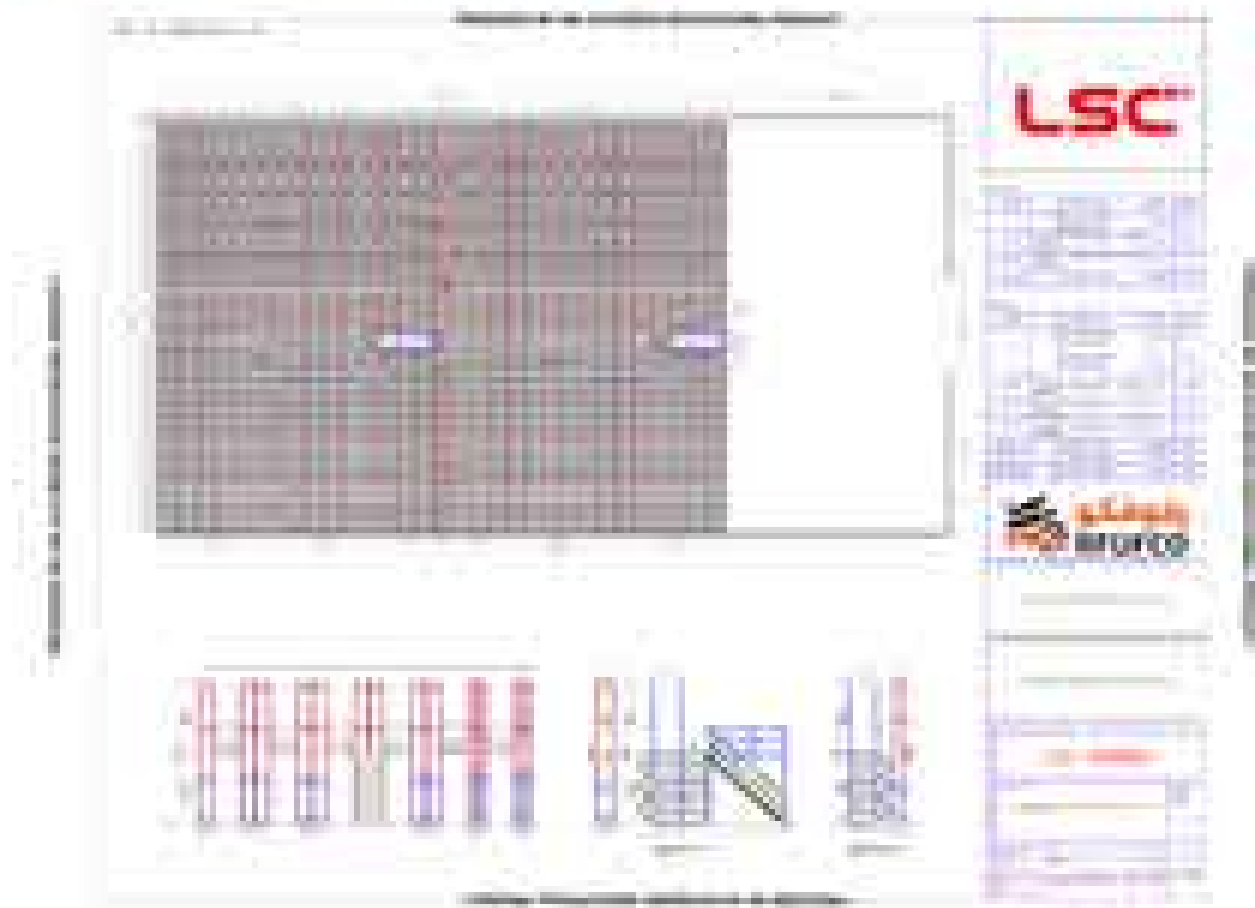


Some of finish project fixing





Some of project Autocad Layout



Guns Racking Storage



Gun Racking Storage



Isometric view



Single Sided Stand

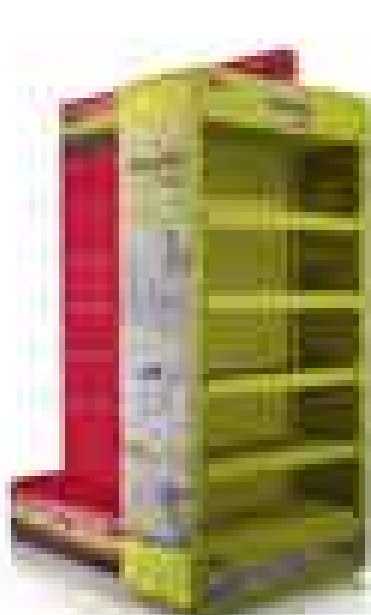
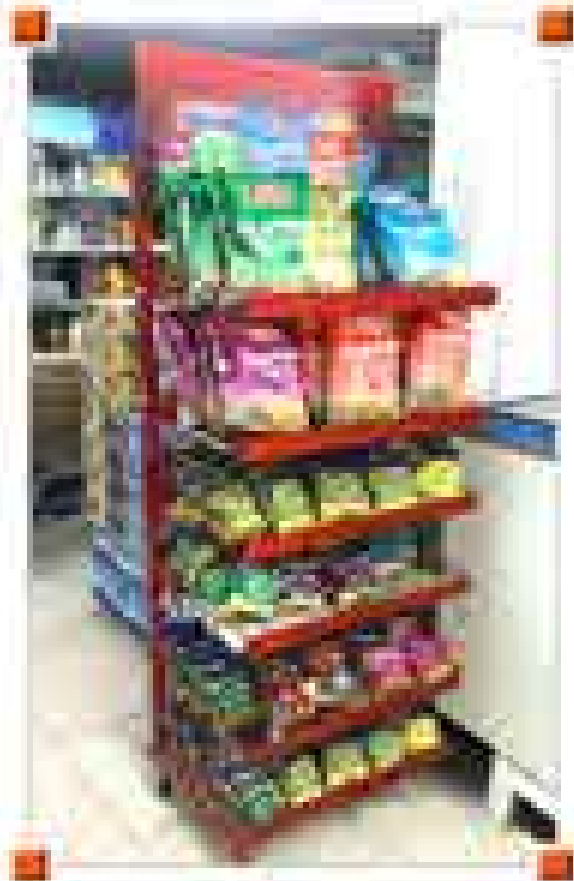


Double Sided Stand

Promotional Display Stand



Promotional Display Stands



RFS - 001



RFS - 002



RFS - 003

Promotional Display Stands



RFS - 004



RFS - 005



RFS - 006



RFS - 007



RFS - 008



RFS - 009



RFS - 010

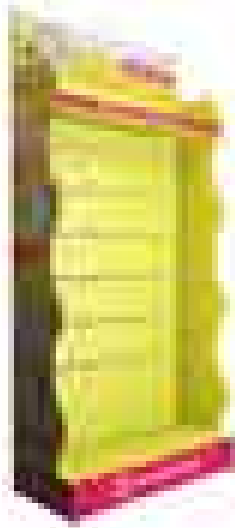


RFS - 011

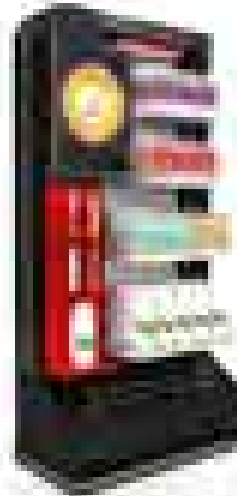


RFS - 012

Promotional Display Stands



RFS - 013



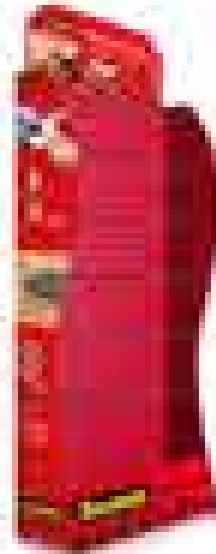
RFS - 014



RFS - 015



RFS - 016



RFS - 017



RFS - 018



RFS - 019



RFS - 020

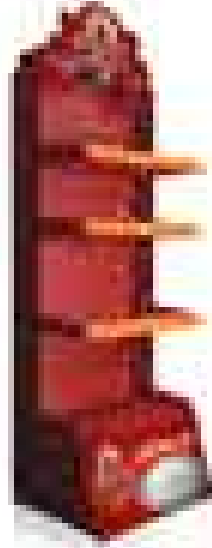


RFS - 021

Promotional Display stands



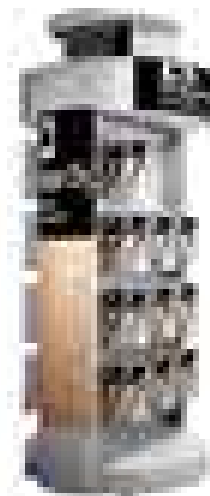
RFS - 022



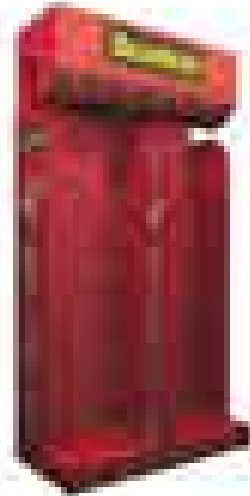
RFS - 023



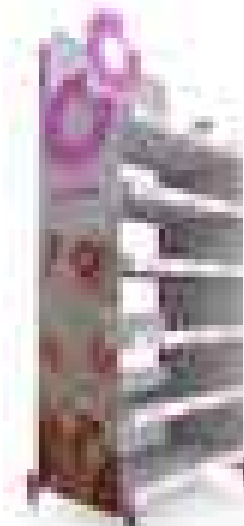
RFS - 024



RFS - 025



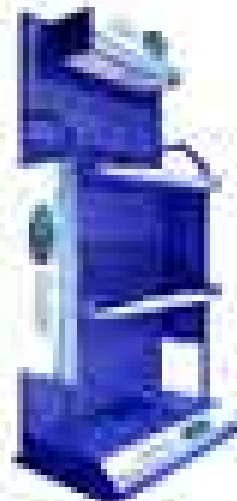
RFS - 026



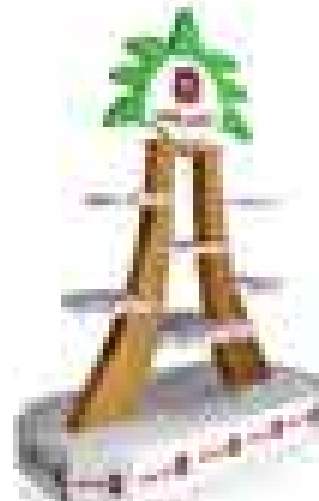
RFS - 027



RFS - 028

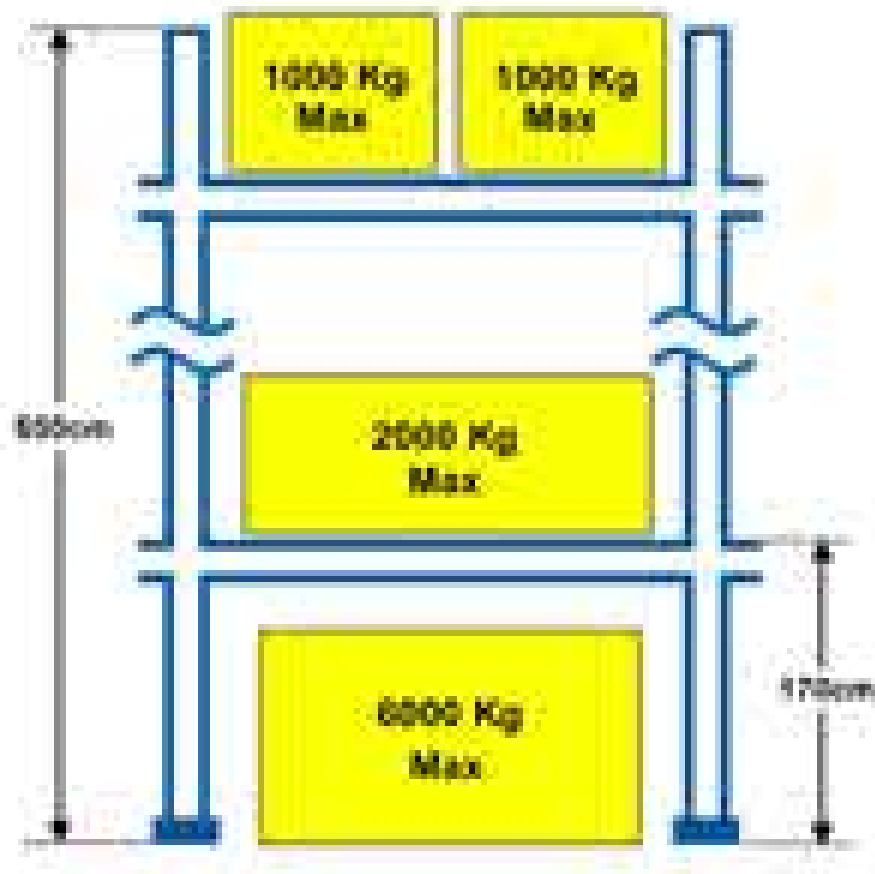


RFS - 029



RFS - 030

Interlock Racking Load Notice



Interlock Racking is designed to be used in a safe and secure manner. It is not to be used for any other purpose. It is not to be used for any other purpose. It is not to be used for any other purpose.



**DO NOT CLIMB
PALLET RACKING**



**REPORT ALL DAMAGE TO
THE RACKING SAFELY
IMMEDIATELY**



**Refer to BEMA
Code of Practice for the
Use of Steel Pallet Racking**



Do not use the racking for any other purpose. It is not to be used for any other purpose. It is not to be used for any other purpose.



**If in doubt
Always
Contact Supplier**

صناعة وطنية ..
بمعايير عالمية