2C# Supermarket shelf description

1、Back style：back mesh style；

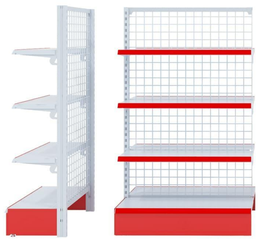
2、Layer：usually 4 layers /5 layers；

3、Load：25kg/layer；

4、Color：red+white；

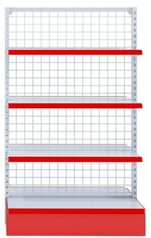
5、Usied in：grocery, convenience store.

2C#Supermarket shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
25kg	single side	750 900	350	1200 1500 1800 2000	50*30*1.0
	double side		750		



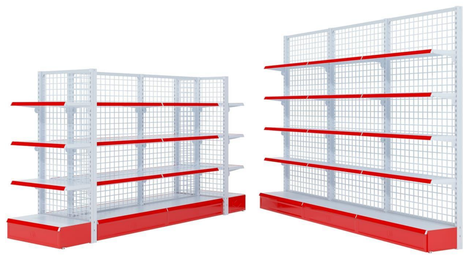
END SHELF

ADD-ON



STARTER

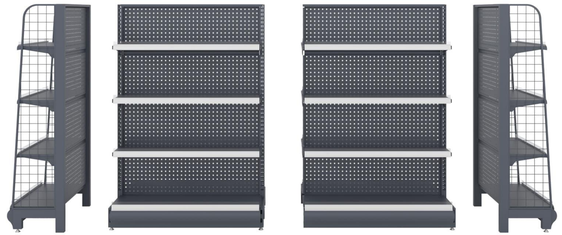
END SHELF



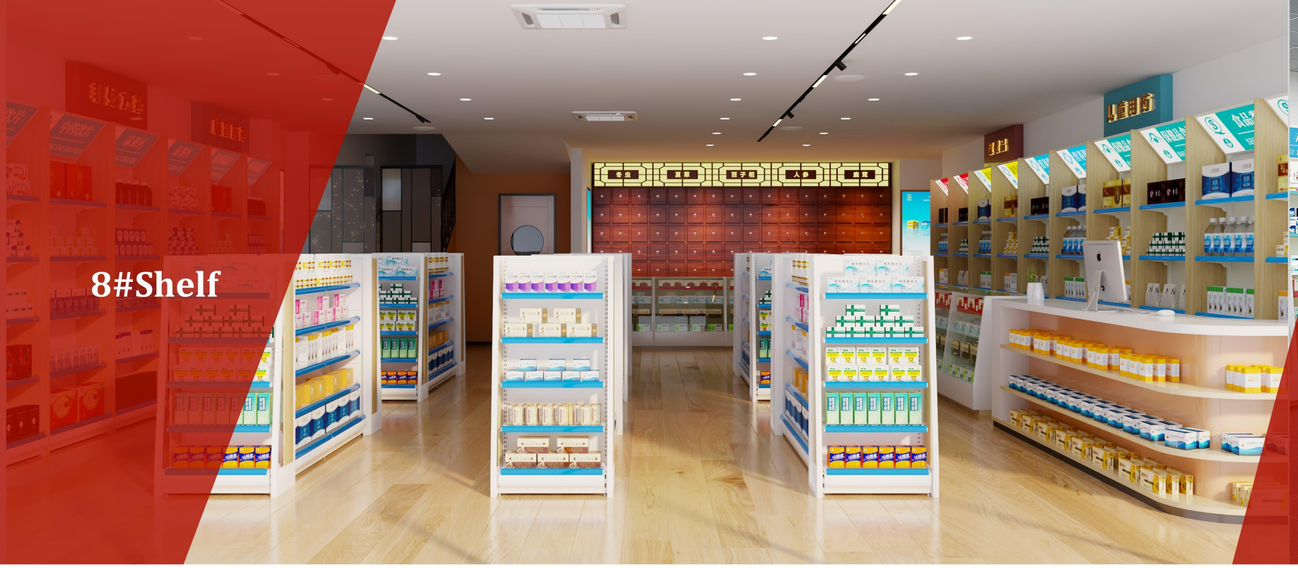
8#Supermarket shelf description

1、Back style：backboard and back mesh style；
2、Layer：usually 4 layers/5 layers；
3、Load：40kg/layer,；
4、Color：grey, milk white；
5、Usied in：supermarket, grocery store.

8#Supermarket shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
40kg	single side	620 720 920	350 400	1350 1550 1750 1950 2150	50*30*1.2
	double side		650 750		



END SHELF　STARTER　ADD-ON　END SHELF



8#Supermarket shelf description

1、Back style：backboard style；

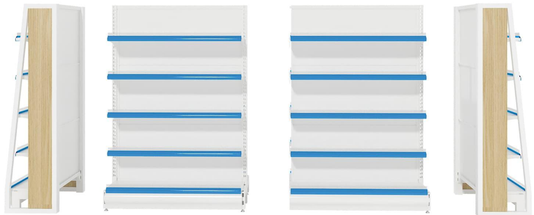
2、Layer：usually 4 layers/5 layers；

3、Load：40kg/layer；

4、Color：milk white；

5、Usied in：pharmacy

8#Supermarket shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
40kg	single side	620 720 920	350 400	1350 1550 1750 1950 2150	50*30*1.2
	double side		650 750		



END SHELF STARTER ADD-ON END SHELF

12#Shelf

3D scene

12#Supermarket shelf description

1、Back style：backboard style；
2、Layer：usually 4 layers/5 layers；
3、Load：60kg/laye；
4、Color：grey, milk white；
5、Usied in：supermarket, grocery store.

12#Supermarket shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
60kg	single side	920 1220	480 530 580	1300 1600 1900 2200 2500	70*30*1.5
	double side		880 980 1080		

END SHELF　STARTER　　ADD-ON　　END SHELF

17#Supermarket shelf description

1、Back style：backboard style；

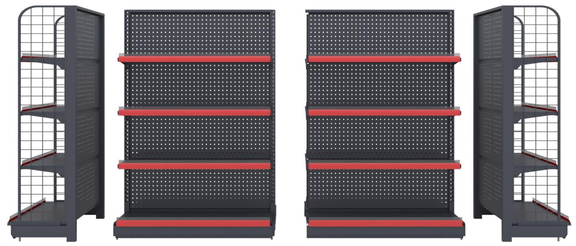
2、Layer：usually 4 layers/5 layers；

3、Load：50kg/layer；

4、Color：grey, milk white；

5、Usied in：supermarket, grocery store.

17#Supermarket shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
50kg	single side	720 920 1220	395 445	1300 1600 1900 2200	60*30*1.2
	double side		740 840		



END SHELF　STARTER　ADD-ON　END SHELF

18#Supermarket shelf description

1、Back style：backboard style；

2、Layer：usually 4 layers/5 layers；

3、Load：40kg/layer；

4、Color：grey, milk white；

5、Usied in：supermarket, grocery store.

18#Supermarket shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm))
40kg	single side	720 920	395	1300 1600 1900 2200	60*30*1.2
	double side		740		

END SHELF　STARTER　　ADD-ON　END SHELF

20#Supermarket shelf description

1、Back style：backboard style、backmesh style；

2、Layer：usually 4 layers/5 layers；

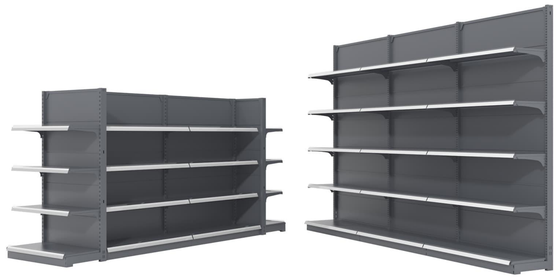
3、Load：90KG/layer；

4、Color：grey、milk white；

5、Usied in：supermarket、grocery store；

20#Supermarket shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
90kg	single side	920 1220	520	1550 1750 1950 2150 2350	70*30*1.2
	double side		940		

END SHELF　STARTER　ADD-ON　END SHELF



23#Metal and wooden shelf

3D scene

23#Metal and wooden shelf description

1、Back style：wooden backboard style；

2、Layer：usually 4 layers/5 layers；

3、Load：35KG/layer；

4、Color：wood grain；

5、Usied in：snack store, fashion boutique；

23#Metal and wooden shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
35kg	single side	830 930 1230	340 415	1350 1500 1800 2200 2400	30*30*1.2
	double side		650 800		

END SHELF STARTER ADD-ON END SHELF

36#Supermarket shelf description

1、Back style：backboard style；

2、Layer：usually 4 layers/5 layers；

3、Load：120KG/layer；

4、Color：grey、milk white；

5、Usied in：supermarkets, shopping mall, convenience store；

36#Supermarket shelf description					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
120kg	single side	1020 1220	550 600 650 700	1300 1600 1900 2200 2500	30*80*2.3
	double side		1020 1120 1220		

END SHELF STARTER ADD-ON END SHELF

36#Grain and oil shelf description

1、Back style：backboard style；

2、Layer：usually 4 layers/5 layers；

3、Load：180KG/layer；

4、Color：grey、milk white；

5、Usied in：supermarkets, shopping mall, grain and oil store；

36#Grain and oil shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
180kg	single side	1020 1220	500 550 600 650	1300 1600 1900 2200 2500	30*80*2.3
	double side		1020 1120 1220		

END SHELF STARTER ADD-ON END SHELF

37#Metal and wooden shelf

3D scene

37#Metal and wooden shelf description

1、Back style：wooden backboard style；

2、Layer：usually 4 layers/5 layers；

3、Load：30KG/layer；

4、Color：wood grain；

5、Usied in：snack stores, boutiques, imported food store, wine store, stationery store；

37#Metal and wooden shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
30kg	single side	660 920	345 395	1350 1500 1800 2000 2200 2400	30*30*1.2
	double side		660 760		

END SHELF　STARTER　ADD-ON　END SHELF

39#Shelf

3D scene

39#Supermarket shelf description

1、Back style：backmesh style、backboard style；

2、Layer：usually 4 layers/5 layers；

3、Load：120KG/layer；

4、Color：Yellow & milk white；

5、Usied in：supermarket、shopping mall；

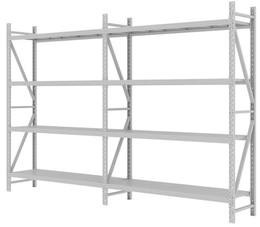
39#Supermarket shelf					
Load/Size		L(mm)	W(mm)	H(mm)	upright(mm)
120kg	single side	1030 1230	560 610	1750 ~ 6550	80*40*2.5
	double side		1040 1140		

END SHELF
STARTER
ADD-ON
END SHELF

51# Warehouse rack description

1. Layer: 4 layers;
2. Load bearing: 100kg/layer;
3. Color: Grey;
4. Usied in: Warehouse/
   File storage room;

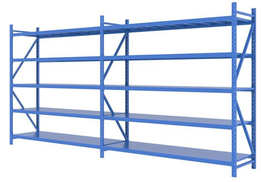
51# Medium duty rack			
Load/Size	Length(mm)	Width(mm)	Height(mm)
100kg	1200 1500	400 500	2000



52# Warehouse rack description

1. Layer: 4 layers;
2. Load-bearing: 200kg/layer;
3. Color: Blue;
4. Usied in: Warehouse;

52# Medium duty rack			
Load/Size	Length(mm)	Width(mm)	Height(mm)
200kg	1070 1500 2000	400 500 600	2000 2500



33# Warehouse rack description

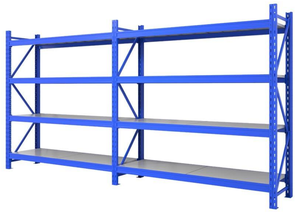
1. Layer: 4 layers;
2. Load-bearing: 300kg/layer;
3. Color: Grey;
4. Usied in: Warehouse/
   File storage room;

33# Medium duty rack			
Load/Size	Length(mm)	Width(mm)	Height(mm)
300kg	1200 1500 1800 2000	450 600 800	1200 1800 2000 2500

35# Warehouse rack description

1. Layer: 4 layers;
2. Load-bearing: 500kg/layers;
3. Color: Blue;
4. Usied in: Warehouse;

35# Medium duty rack			
Load/Size	Length(mm)	Width(mm)	Height(mm)
500kg	1200 1500 1800 2000	450 600 800	1200 1800 2000 2500



6# Warehouse rack description

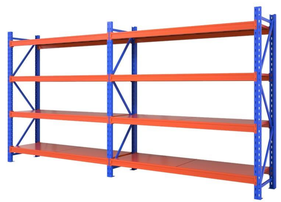
1. Layer: 4 layers;
2. Load: 100kg/layer;
3. Color: Grey;
4. Usied in: Warehouse/
   File storage room;

6# Medium duty rack			
Load/Size	Length(mm)	Width(mm)	Height(mm)
100kg	1200 1500 1800	450 600 800	1500 1800 2000 2400

9# Warehouse rack description

1. Layer: 4 layers;
2. Load: 500kg/layer;
3. Color: Orange and Blue;
4. Usied in: Warehouse;

9# Medium duty rack			
Load/Size	Length(mm)	Width(mm)	Height(mm)
500kg	1200 1500 1800 2000	450 600 800 1000	2000 2500 3000



Rack Beams

INTRODUCE

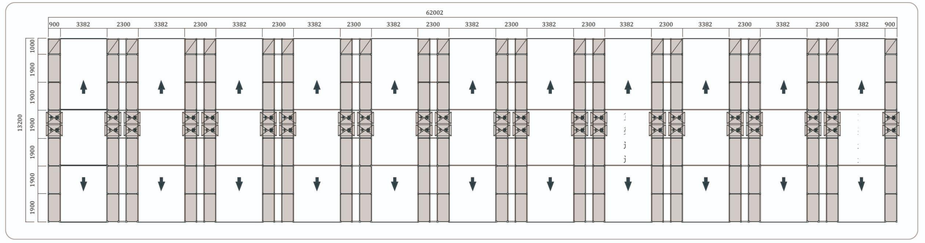
Beam rack is also called pallet rack, can make full use of the warehouse space. It can be freely combined, people can take goods without the order of the restrictions, what's more , it can be used with forklifts for quick access to pallets. At present it is the most widely used in all walks of life pallet goods storage shelf. Its selectivity is strong, can reach 100% of the goods arbitrary selection. Its supporting equipment is simple, affordable and easy to install. It is widely used in manufacturing, third-party logistics' distribution centers and warehousing supermarkets and so on. Most of these shelves are used with forward moving battery forklift, counter weight battery forklift and three-way forklift. If the shelf height is low, electric stacker can also be used. Using different forklift forms, the shelves can also be extended to: Double-deep racking and Narrow aisle shelves, etc.

CHARACTERISTIC

1. Optimized section design, in line with the national industrial shelf design standards. Using high quality cold rolled steel by roller forming, bearing capacity is strong, not easy to deformation, shelf bearing can reach 1000-3000kg/ layer.
2. The shelf is detachable and adjustable. The height of each layer can be adjusted 75mm according to the actual height of the goods.
3. It can be customized according to customer requirements.
4. The shelf has a variety of colors to choose from, through sandblasting and other processes, can be anti-corrosion and rust prevention.
5. The layer of rack can be selected according to the requirements of customers, such as wood laminates, iron laminates, net laminates and so on, also can equipped with connecting rods, protector and protector barrier, etc., to ensure the safety and reliability of use.

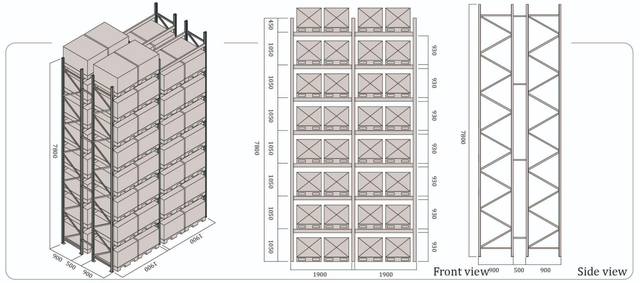
Higher Beam Rack (Case)

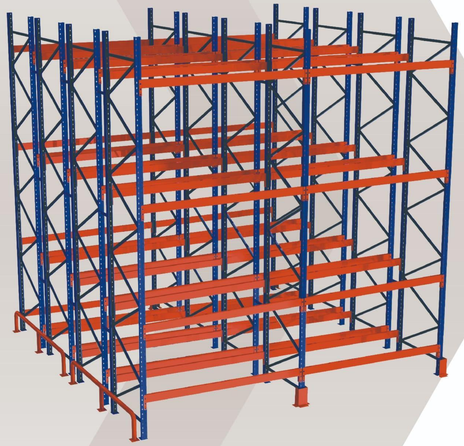
Higher Beam Rack (Case)



Higher Beam Rack Design

1. Size: L1900/1000*D900*H7800mm;
Layer: 7 layers beam+1 floor
2. Load-bearing: 3500kg/layer
3. The layer distance: The shelves are all removable and adjustable, the each height can be adjusted 75mm;
4. Color: Upright is blue,beam is tangerine;
5. Forklift: Forward moving battery forklift





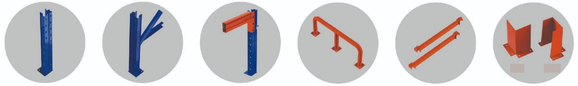
Double-deep racking

INTRODUCE

Double deep racking is a type of double row storage, warehouse utilization rate, good selectivity, the use of scissors telescopic arm forklift. The shelf is derived from the heavy beam type shelf, which has simple structure and high storage capacity. Space can be used efficiently to store more goods. Widely used in manufacturing, plastic products industry, tobacco, food and beverage industry and packaging industry and so on.

CHARACTERISTIC

1. It needs to be equipped with idiosyncratic forklift trucks that reduce channel locations, provide 50% selectivity, it is moderately usable rack.
2. It is suitable for warehouses with low pickup rates, and floor usage can reach 42%.
3. Double-deep racking is derived from heavy beam rack. The whole set can be disassembled, easy to adjust and with high storage capacity.
4. The layer of rack can be selected according to the requirements of customers, such as wood laminates, iron laminates, net laminates and so on, also can equipped with connecting rods, protector and protector barrier, etc., to ensure the safety and reliability of use.



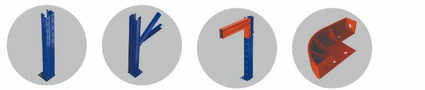
Narrow aisle shelves

INTRODUCE

Narrow lane pallet rack is derived from beam rack, only need to add ground guide rail and equipped with narrow lane forklift (VNA), this forklift can rotate in three directions, in the channel can quickly straight, storage pallet forklift does not need to turn. Therefore, the forklift reserved channel in this system is generally about 1600-2000mm. The utilization rate of warehouse space can reach 50%, and the storage density of goods can achieve 100% picking rate. It is widely used in logistics and distribution centers and factories with storage needs.

CHARACTERISTIC

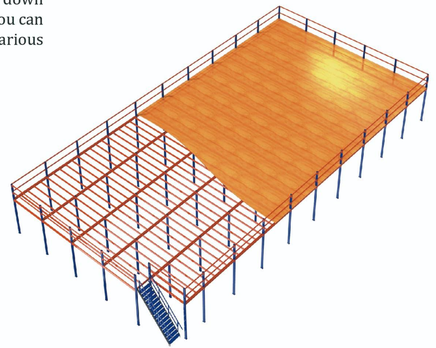
1. Narrow aisle shelves store a large amount of goods, goods in and out more frequently and has a relatively high selectivity for goods.
2. The width of the channel is required to be small, and the forklift is sliding on the fixed guide rail to ensure the safety of personnel and goods to a large extent.
3. It can equipped with connecting rods, protector and protector barrier, etc., to ensure the safety and reliability of use.



Attic Platform

INTRODUCE

Double column platform is composed of double columns, bearing beams, support beams, platform panels and other important components, which can be flexibly disassembled. It can design single-layer or multi-layer platform according to the height of the warehouse, and can effectively improve the utilization rate of the warehouse space. Maxium can load 1000kg/㎡. In order to improve work efficiency, usually with lifting platform, forklift, cargo slide and other auxiliary facilities, can be configured around the fence, staffs with up and down stairs can walk. The platform can also be equipped with lighting system, you can choose different floor panels, wood, steel and so on. It is widely used in various industries that need warehouse space.



CHARACTERISTIC

1. All shelves can be disassembled, simple installation, flexible application.
2. It is flexible and easy to use, can be used again when changing the site, and can increase the platform area arbitrarily.
3. No welding is required on site, the construction period is short, and the ground will not be damaged.

Double-style upright

Main beam assembly

Hook assembly

Inner beam assembly

Steel gusset (Panel)

Steel gusset (checkered plate)

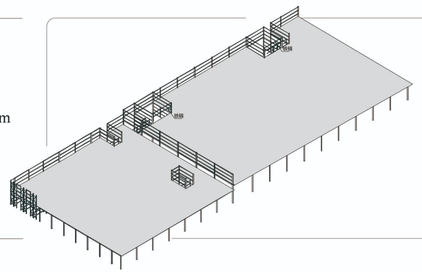
Steel gusset (Punched plate)

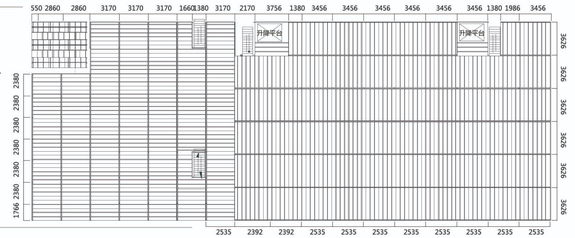
Two layers Attic Platform (Case)

Three layers Attic Platform (Case)

Platform Shelf design

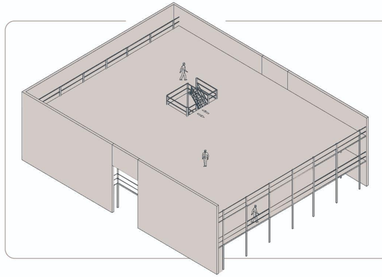
1. This platform is double column platform, platform height is 3225mm， plus baluster the total height is 5025mm.
2. The attic is paved with 18mm film faced plywood, with uniform load per square: 350kg/㎡.
3. Equipped with 2*D1200*H3225mm stairs; Equipped with 2*L2800*2000mm lifting platforms.

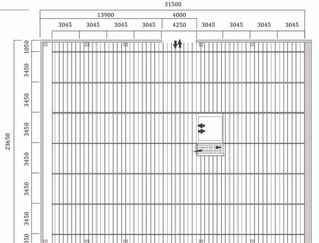




Platform Shelf design

1. This platform is double column platform, second platform height is 3300mm (net height is 3000mm), third platform height is 6300mm (net height is 2700mm),plus baluster the total height is 7500mm.
2. The attic second platform is paved with 2.0mm steel gusset plate, third platform is paved with 15mm plywood and 18mm film faced plywood, with uniform load per square: second platform 1000kg/㎡, third platform 500kg/㎡.
3. 2nd Equipped with 1*D1000*H3300mm stairs;
   3rd Equipped with 1*D1000*H3000mm stairs;
   Equipped with 1*L2800*2800mm lifting platforms.





Cantilever Rack

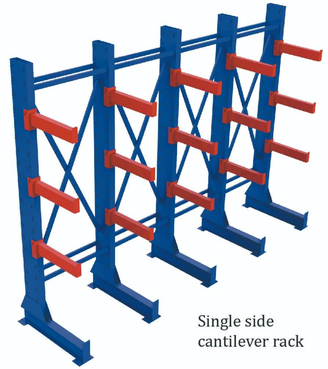
INTRODUCE

Cantilever racks are suitable for storing long goods, ring goods, plates, pipes and irregular goods. Depending on people needs, we can choose single side or double side. Its arm is light, good load capacity. In the storage of irregular or special length of goods, can greatly improve the ware-house utilization and work efficiency. Especially suitable for small space, low height warehouse, easy management, storage of goods at a glance.

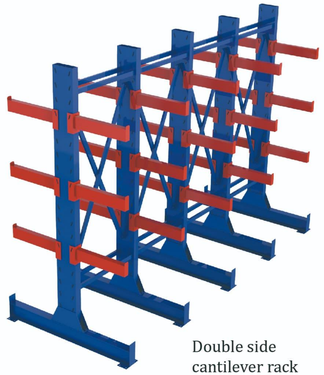
CHARACTERISTIC

Cantilever rack uprights are often use H-type or Cold rolled steel. The arms use square pipe, cold rolled steel or H-type steel. The arm and upright shall be of plug-in type or bolt connection type. The base and upright parts are bolted together. The goods are accessed by forklift or truck.

Upright Base Arm



Single side cantilever rack



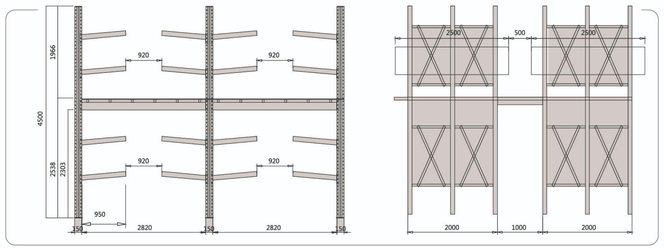
Double side cantilever rack

Cantilever Rack
(Case)

Cantilever Rack
(Case)

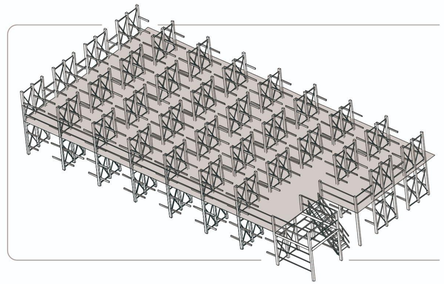
Shelf Design

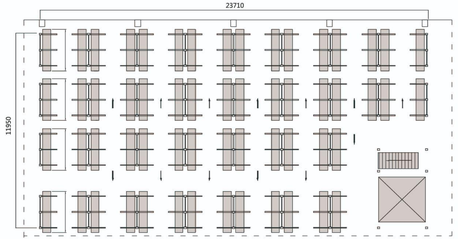
1. Size: L2000*D1100/2050*H4500mm.
2. Load-bearing: 500kg/arms (1500kg/layer).
3. Layer: 6 layers (4 layers arms+2 layers ground floor)
   the layer distance height can be adjusted 75mm.
4. Platform height is 2538mm (net height is 2303mm), plus baluster the total height is 3675mm.
5. Uniform load per square: 300kg/㎡. The attic is paved with 18mm film faced plywood (Prepared by the customer).
6. Equipped with 1*H2475*D1000mm stairs.
7. Equipped with 1*L2700*1500mm lifting platforms.



Front view

Side view





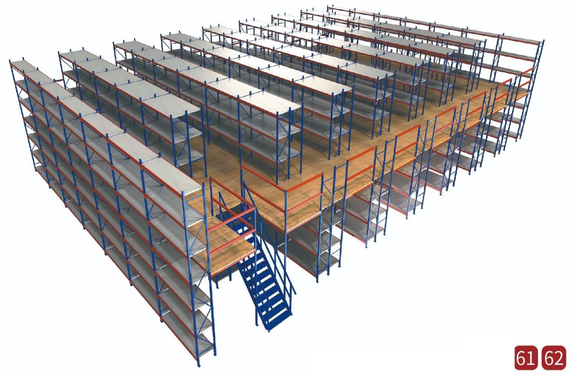
Platform Rack

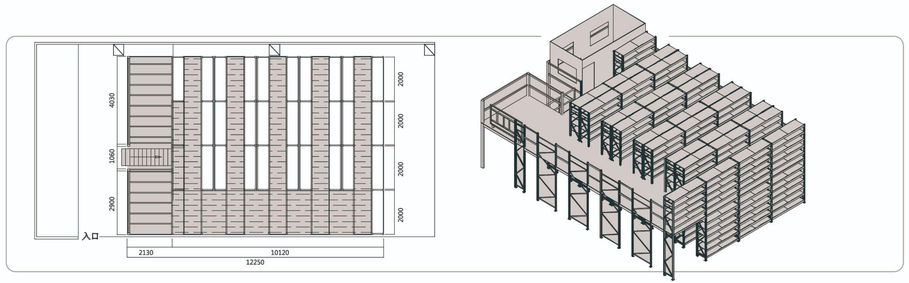
INTRODUCE

The platform rack is composed of rack upright group, bearing beam, support beam, platform panel and other main components. It can be designed as a single-layer or multi-layer platform according to the height of the warehouse, which can effectively improve the utilization rate of the warehouse space. The platform span can be designed according to the actual use area of the warehouse space and cargo unit, and the maximum bearing weight can reach 1000kg / ㎡. In order to improve work efficiency, it is usually equipped with auxiliary facilities such as lifting platform, forklift and cargo slide. The open area of the floor is equipped with guard rails, and the staff are equipped with stairs that are convenient for walking up and down. The lighting system can be configured under the floor according to the needs. Different floor panels can be selected to meet the needs of firefighting or dust prevention. The platform panel can be used with wood (plywood or building formwork), steel plate or steel gusset plate. The platform rack is most suitable for manual storage and picking management of small materials with a variety of varieties, and can cooperate with the parts box or turnover box to classify and manage the materials. According to the characteristics of material logistics, the materials with high frequency of shipment shall be stored in the storage space on the ground floor, and the materials with low frequency of shipment shall be stored in the storage space on the upper floor.

CHARACTERISTIC

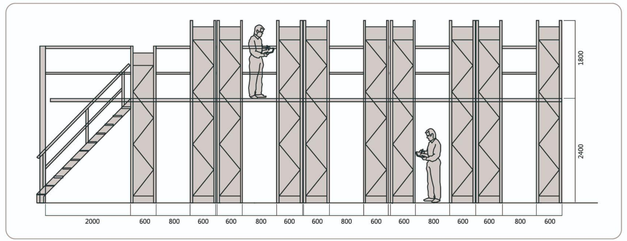
·Full combined structure, easy installation and disassembly, flexible application, simple and beautiful overall.
·The operation is flexible and convenient, the site can be easily changed and reused, and the platform area can be increased arbitrarily.
·There is no need for welding on site, the construction period is short, and the ground will not be damaged.
·It can be combined into downstairs shelves and upstairs platforms, or it can be combined into upstairs and downstairs shelves.





Statement:

①Floors quantity: 11 floor beams + 1 floor platform, each floor beam is paved with 0.5mm iron pallet;
②Load: 300kg/floor
③Floor distance: the rack are all detachable and adjustable, and the floor height can be adjusted every 60mm
④Clolor: upright is blue, beam is orange
⑤The floor height is 2400mm, the net height is 2200mm, and the height with guardrail is 3600mm;
⑥The floor load is 300kg / ㎡, and the channel is paved with the layer of 2.0mm steel gusset plate.
⑦The platform is equipped with the staircase(h2400 * d800 * 45 ° mm)



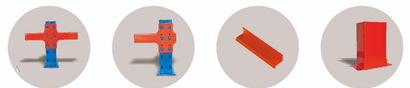
Drive-in Rack

INTRODUCE

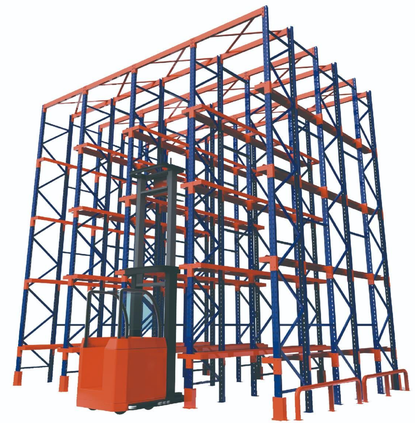
Drive-in rack is also called corridor rack or through rack. It is a continuous whole building rack that is not divided by channels. On the support rail, the pallets are stored in the depth direction, one after the other. Goods enter and exit from the same side of the rack, goods can be stored first and then retrieved or stored later and then retrieved. The counterweight and the forward moving forklift can easily drive into the corridor rack to access the goods. The overall investment cost of the corridor rack is relatively low because of the high storage density. It is applicable to the situation where there are fewer varieties, more quantities and the goods access mode can be predetermined. It is often used to store large quantities of goods of the same type. It is widely used in cold storage, food, tobacco and other warehouses with high storage space cost.

CHARACTERISTIC

·The rack are all detachable and adjustable, and the height of each layer can be adjusted according to the actual height of the goods;
·Pallet access mode is adopted, which is suitable for storing goods with single variety and large quantities.



upright double bracket | upright single bracket | guide rail | Anti-collision foot

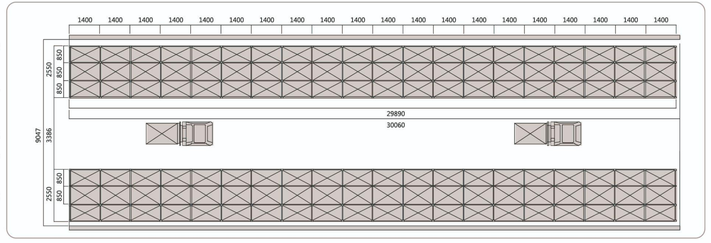


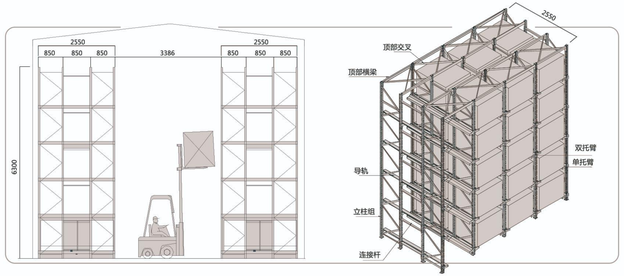
Drive-in Rack
(sample)

Drive-in
Rack
(sample)

Statement:

①The width of each lane is 1400mm, which is the direction of incoming and outgoing goods
②The load is 800kg / pallet, and the pallet specification is w1200 (fork) * d1200mm,
③The quantity of layers is 5 guide rail layers, with connecting beam and top intersection on the top, with back intersection on the back
④The upright at the entrance of each tunnel is equipped with U-shaped anti-collision feet;





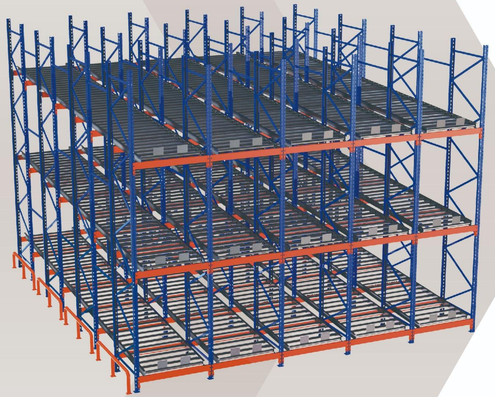
Shuttle Rack

INTRODUCE

The shuttle rack system is a high-density storage system composed of shelves, shuttle car and forklifts. It is mainly characterized by the shuttle car can be stacked by itself in the built-in track of the rack. The stored goods can be stored in order according to different batches and categories to facilitate warehouse management.
Stock: The goods are placed on the front end of the rack Lane guide rail by the forklift, the shuttle car operated by radio remote control can carry the pallet goods on the guide rail;
Pickup: The shuttle car moves the pallet in the depth of the goods to the front of the shelf, and takes the pallet goods off the shelf with a forklift;
Move: The shuttle car can be placed in different lanes by forklift, multiple lanes can share a shuttle car, The number of shuttle cars is determined by the comprehensive factors such as the depth of the tunnel, the total amount of goods, the shipping batch, and the shipping frequency. The space utilization rate is over 80%. Shuttle rack are widely used in food, cold storage, tobacco and other industries.

CHARACTERISTIC

·The load of shuttle car can reach 1000-2000kg /unit, high density storage, high warehouse utilization. High work efficiency, greatly reducing the waiting time.
·The operation mode is flexible, and the goods can be accessed first in first out or first in last out.
·The lighting requirements are relatively low. Compared with other types of rack, the overall investment is less.



Gravity Rack

INTRODUCE

Gravity rack is also called roller rack, evolved from pallet rack. Install the roller track on the beam, The track is inclined at 3-6°. The goods use their own weight to automatically slide from one end of the inlet to the other end of the outlet. In the process of goods sliding, the speed is controlled by appropriate inclination angle and damping roller to ensure the smooth sliding of goods. The gravity rack belongs to the first out storage mode, and the utilization rate of the storage room is more than 75%, all adopt no power mode, no noise consumption, safe and reliable. It is suitable for the storage of similar goods with small varieties and large quantities, with high space utilization rate. It is widely used in warehouses, logistics distribution centers, tobacco, medicine, electronics and other factories and enterprises.

CHARACTERISTIC

·The structure is flexible, detachable and adjustable, and the storage density is about 35% - 65% less than that of the general pallet shelf;
·For the storage operation with pallet as carrier, the goods shall be stacked neatly and operated by forklift or stacking truck;
·The first in first out storage mode is adopted, and only one channel is required for loading and unloading goods;
·The loading and unloading cargo is not more than 1200kg, and the rear cargo will automatically slide to the front storage space due to gravity;
·This rack structure is generally suitable for enterprises with high access frequency and relatively single variety; All adopt no power mode, no noise consumption, safe and reliable

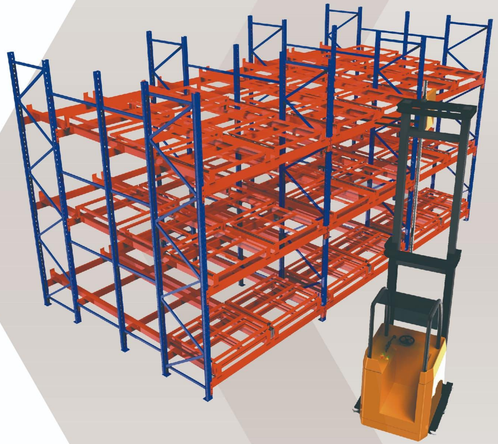
Push Back Rack

INTRODUCE

The push back rack is also called the press in rack, the combination of track and pallet unloading is adopted to loading and unloading. The rail is arranged on the beam along the depth direction of the shelf and according to a certain slope degree. Multiple cars can be stacked on the track. When loading, the pallet is stacked on the car, the later stored tray pushes the original tray inward, during shipment, when the pallet at the external pick-up point is taken away, the trolley inside will automatically slide to the pick-up point. The pallet slides out of the cargo port by its own weight, which can realize single end access. The forklift can complete the access operation without entering the rack. The order of goods in and out is first in and last out, which is suitable for the storage of multiple varieties and large quantities of goods, and the space utilization rate is extremely high. It is widely used in cold storage, books, electronics and other storage environments.

CHARACTERISTIC

·Push back rack can realize high-density, multi row and deep storage space.
·Each row of rack can be equipped with 3 trolleys (and 4 cargo spaces), and the maximum load of the trolley can reach 2000kg.
·The stability, seismic resistance and operation efficiency of the whole rack formed by dense arrangement are far better than those of the drive in rack, and the investment is low.
·It is suitable for the periodic storage of goods and is widely used in cold storage, books, electronics and other industries.
frequency and relatively single variety; All adopt no power mode, no noise consumption, safe and reliable



Fluency Rack

INTRODUCE

Fluency rack is the main body, a roller type aluminum alloy or sheet metal fluency strip is set on the rack beam, Placed at a certain slope (about 3°), The goods enter from the cargo end and can be taken out from the other end of the shipping end under the action of gravity. It is usually used with turnover boxes or cartons to realize first in first out goods management. And can be used with the electronic tag system. It is widely used in manufacturing, commerce, distribution centers, assembly workshops and warehouses with high delivery frequency.

CHARACTERISTIC

·Full combination structure, convenient and quick installation and disassembly, and beautiful overall;
·It can meet the management needs of first in first out goods;
·Convenient manual sorting, no energy consumption and no noise;

Fluent chuck