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"Credibility creates brand identity"

# CATALOGUE STORAGE RACK

- Slotted angle rack
- Medium Duty Rack
- Heavy Duty Rack
- Warehouse Design

#### **ONE TECH VIETNAM MANUFACTURING AND TRADING COMPANY LIMITED**





Dear Valued Customers,

First of all, One Tech Vietnam Manufacturing and Trading Company Limited would like to send to our customers and partners wishes for health, happiness and success.

Currently, One Tech is a leading unit in the field of manufacturing, construction and installation of racks - supermarket equipment in the market. Owning a team of experienced technicians and a high-tech production line system and a closed operating process, One Tech is proud to be a firm belief in our customers and partners in the journey of creating efficient storage and display spaces.

Building the core motto of accompanying and developing together, One Tech always listens and understands the requirements and wishes of customers, thereby constantly innovating modern production systems and professional working styles. One Tech always accompanies our partners and protects the interests of consumers.

One Tech provides a wide range of products: Supermarket racks, V-hole steel racks, Medium duty storage racks, heavy-duty industrial racks, sales management software, payment equipment, and so on to provide optimal, effective and durable solutions.

Over the years, the trust and satisfaction of more than 200,000 domestic and foreign partners and customers is what One Tech has achieved and made a strong mark on. This is also the motivation for One Tech Vietnam to continue to improve and develop to bring more quality products.

On behalf of One Tech Vietnam Manufacturing and Trading Company Limited, I would like to express my most sincere thanks to our customers and partners for trusting and cooperating with us. Certainly, with the belief and built success, One Tech will always accompany and contribute to the development steps of our customers and partners in the future.

ONE TECH VIET NAM CATALOGUE

## VISION AND STRATEGY

#### VISSION

ONE TECH VIETNAM orients to become a pioneering, constant and sustainable developing company by making the right decisions in investment and exploiting the creative potential in the field of engineering and technology. We always strive to meet all requirements of customers, giving members the conditions to maximize their business talents and a happy and successful life. It is material fulfillment and spiritual abundance, shared responsibility to the community and society.

#### STRATEGY

Building the company to become one of the leading companies in Vietnam, reaching out to the world.

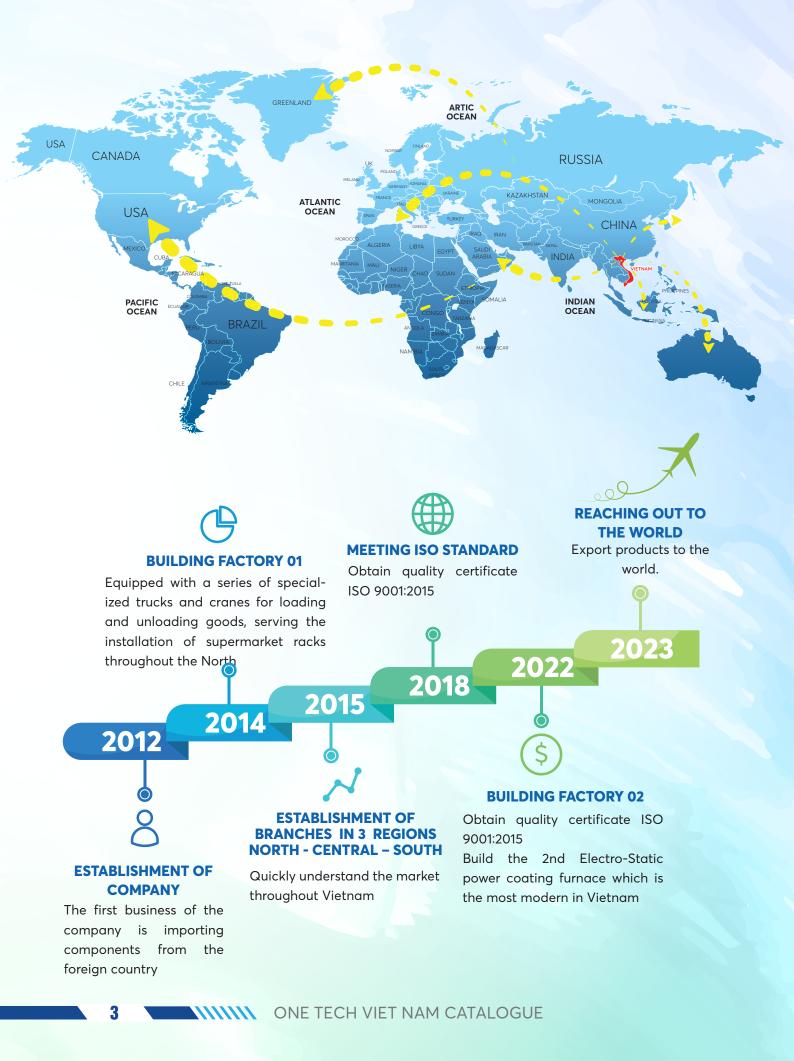
As a leading unit in the field of manufacturing and trading supermarket racks, grocery display racks, sale software, storage racks, heavy-duty medium-duty racks, receipt printers, labels & barcodes printers, security magnetic gates and supermarket installation accessories.

Strengthen cooperation with domestic and foreign partners to maximize their strengths in business activities

Unity & team spirit is our motto of operation

GIÁ KỆ KHO HÀNG ON<mark>E TECH //////</mark>

2



## **ONE TECH VIET NAM**

## TABLE OF CONTENT

Company introduction	Page 1
Vision and Strategy	Page 2
Business Roadmap	Page 3
Storage Rack	Page5
1. Slotted angle rack	Page 7
2. DIY adjustable slotted angle rack	Page 10
3. Light duty slotted angle rack	Page 13
4. Medium duty rack	Page 17
5. Selective rack	Page 21
6. Double Deep rack	Page 25
7. Mezzanine rack	Page 29
8. Drive In rack	Page 33
9. Pallet flow rack	Page37
10. Cantilever rack	Page 41
Strategic Partners	Page 45
ONE TECH STORAGE RACK	

## **ONE TECH VIET NAM**



## **STORAGE RACK**



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5

## **ONE TECH VIET NAM**

Column				
*******	3*3.8 V3*3	V3*5	V3*6	V4*6
50*30	50*60	60*60	90*60	90*70
90*120	100*60	110*70	120*70	180*120
Beam				
Beam V-Rack	Beam 30*80	Beam 30*90	Beam 30*60	Beam 40*80
Begm 50*80	Begm 50*100	Begm 50*120 Be	gm 50*140 Begm	50*160 Begm 50*200

Beam 50\*80 Beam 50\*100

Beam 50\*120 Beam 50\*140 Beam 50\*160 Beam 50\*200

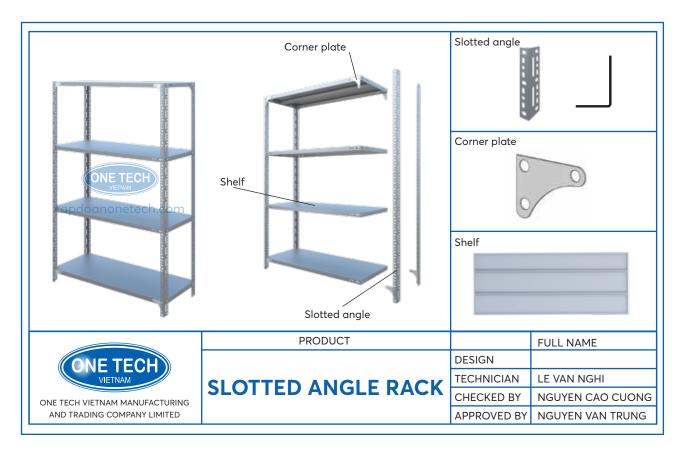
ONE TECH STORAGE RACK

6

## **1. SLOTTED ANGLE RACK**

Common V-hole iron racks are also known by many different names such as multi-purpose shelves, multi-purpose iron shelves, etc. These can be considered as light duty storage racks assembled from V-hole iron bars along with trays for cargo loading with a maximum cargo loading capacity of 120kg/floor.

It is easy to see shelves unit made from V-hole iron in warehouses, offices or in family. Shelves can be modified to be used for many different purposes depending on your wishes.

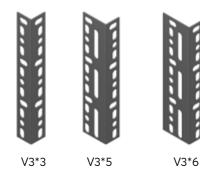


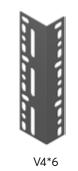
#### **Technical specifications**

Slotted angle rack	Unit	Standard dimensions
Height	mm	1000; 1200; 1500; 2000; 2200; 2400; 3000
Width	mm	300; 400; 500; 600
Length	mm	600; 800; 1000; 1200; 1500
Loading capacity	kg	100 - 200kg/ tầng
Slotted angle iron type		V3x3; V3x5; V4x4; V4x6.
Slotted angle iron thickness	mm	1.2 – 2.0mm
Thickness of shelf	mm	0.6; 0.8mm
Material		Stainless iron, Electrostatic powder coating iron
Color		Milky white, grey or painted as required

## **1. SLOTTED ANGLE RACK**

#### Slotted angle column parameters







Slotted angle column

#### Slotted angle column section

#### Shelf parameters

Thickness of shelf







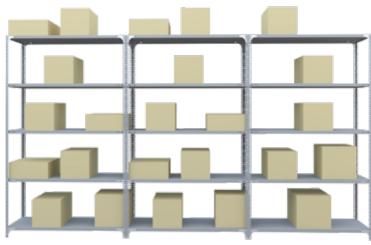
ONE TECH STORAGE RACK

8

## **1. SLOTTED ANGLE RACK**

#### Principles of Storing and Taking out

This is a line of shelves used to display goods in families and shops, so storing and taking out is done manually.



#### **Strong points**

- Versatile V-hole iron rack for flexible use space saving

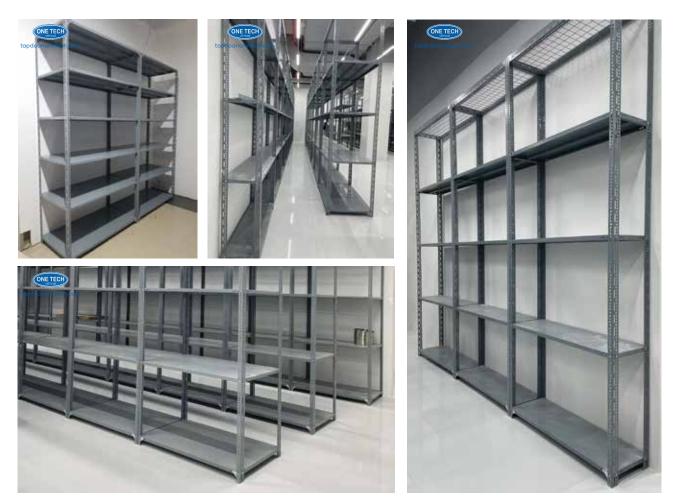
- V-hole iron rack with reasonable price

- Rack has an assembling structure, convenient for disassembly and movement

#### Weak points

- Small loading capacity, suitable for small and medium-sized goods

- High risk of buying poor quality products on the market



9 ONE TECH VIET NAM CATALOGUE

## 2. DIY ADJUSTABLE SLOTTED ANGLE RACK

The Assembling V iron rack is a type of shelf designed to be assembled without bolts and nuts. Used to store goods and utensils with light loads to save space effectively at extremely reasonable costs.



#### **Technical specifications**

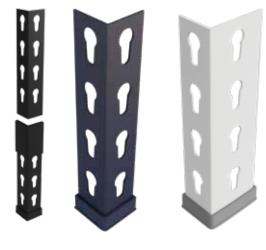
Slotted angle rack	Unit	Standard dimensions
Height	mm	1000; 1200; 1500; 2000; 2200; 2400; 3000
Width	mm	300; 400; 500; 600
Length	mm	600; 800; 1000; 1200; 1500
Loading capacity	kg	100 - 200kg/ tầng
Slotted angle iron type		V3x3; V3x5; V4x4; V4x6.
Slotted angle iron thickness	mm	1.2 – 2.0mm
Thickness of shelf	mm	0.6; 0.8mm
Material		Stainless iron, Electrostatic powder coating iron
Color		Milky white, grey or painted as required

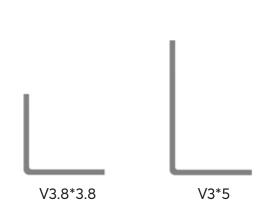


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## 2. DIY ADJUSTABLE SLOTTED ANGLE RACK

Slotted angle column parameters





Column foot

Slotted angle section

#### **Color and models of Assembling V rack**



## 2. DIY ADJUSTABLE SLOTTED ANGLE RACK

#### **Detail of connector**







#### Principles of Storing and Taking out

This is a line of shelves used to display goods in families and shops, so storing and taking out is done manually.



#### **Strong point**

- Versatile V-hole iron rack for flexible use

- Space saving

-V-hole iron rack with reasonable price -Rack has a assembling structure, convenient for disassembly and movement

#### Weak point

- Small loading capacity, suitable for small and medium-sized goods

- High risk of buying poor quality products on the market





12

ONE TECH STORAGE RACK

## **3. LIGHT DUTY SLOTTED ANGLE RACK**

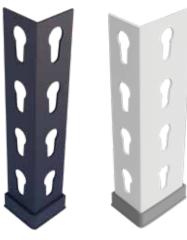
Light duty V iron rack is a type of shelf designed to be assembled without bolts and nuts. Used to store goods and utensils with light loads to save space effectively at extremely reasonable costs.

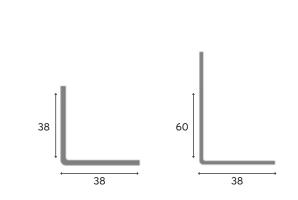


#### **Technical specifications**

Slotted angle rack	Unit	Standard dimensions
Height	mm	1000; 1200; 1500; 2000; 2200; 2400; 3000
Width	mm	300; 400; 500; 600
Length	mm	600; 800; 1000; 1200; 1500
Loading capacity	kg	100 - 200kg/ tầng
Slotted angle iron type		V3x3; V3x5; V4x4; V4x6.
Slotted angle iron thickness	mm	1.2 – 2.0mm
Thickness of shelf	mm	0.6; 0.8mm
Material		Stainless iron, Electrostatic powder coating iron
Color		Milky white, grey or painted as required

#### Slotted angle column parameters



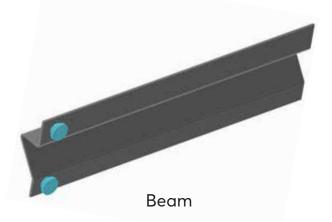


Column foot

#### Slotted angle column section

#### Beam

Beam is a different detail from the common V rack and the assembling V rack models. Beams will help the loading capacity of the shelf better



#### Colors and Models of Light duty slotted angle rack













ONE TECH STORAGE RACK



14

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## **3. LIGHT DUTY SLOTTED ANGLE RACK**

#### Principles of Storing and Taking out

This is a line of shelves used to display goods in families and shops, so stock storing and taking out is done manually.

#### **Strong point**

- There are more beams to support decks, helping to store more goods.

- Save a lot of space and capital compared to using medium duty racks.

#### Weak point

- Small loading capacity, suitable for goods with moderate weight with loading capacity 120Kg/ shelf.

- High risk of buying poor quality products on the market







## **3. LIGHT DUTY SLOTTED ANGLE RACK**

#### LAYOUT PLAN









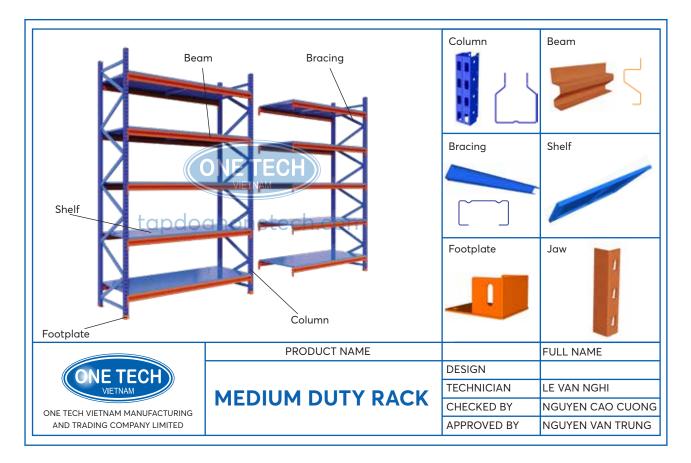
ONE TECH STORAGE RACK

16

## 4.MEDIUM DUTY RACK

Medium duty racks are specialized shelves with an average load of 200 to 1000 kg on a deck. The rack is divided into several shelves, the size of each shelf can be customized according to the needs of use.

Most of the medium duty racks are intelligently designed, easy to assemble and disassemble and change flexibly. This rack can be used in both homes and warehouses, shops, etc., without loss of aesthetics and versatility.



#### **Technical specifications**

Medium Duty Rack	Unit	Standard dimensions
Height	mm	1000; 1500; 2000; 2500; 3000
Width	mm	400 -> 1200
Length	mm	1000 -> 5000
Loading capacity	kg	100; 200-700; 700-1000kg/tier
Column		50*30; 50*60; dày 0.8-1.6mm
Beam	mm	1.0 - 2,0
Thickness of shelf	mm	0.6mm, 0.8mm
Material		Stainless iron, Electrostatic powder coating iron
Color		Blue, orange

17 ONE TECH VIET NAM CATALOGUE

## 4. MEDIUM DUTY RACK

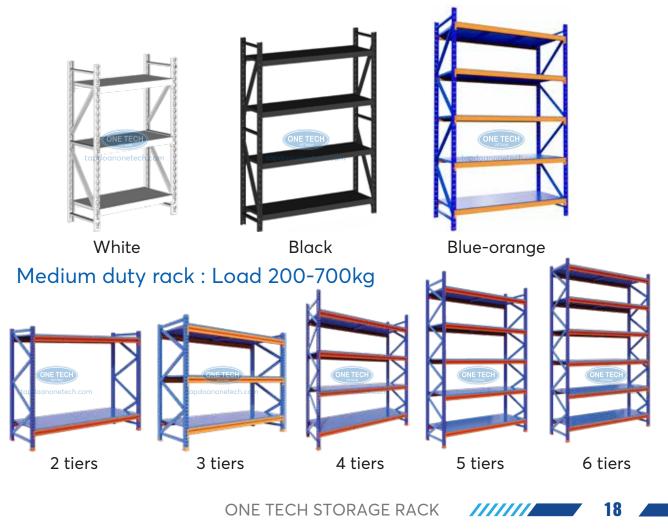
#### Models of Medium duty rack



#### Popularmodels

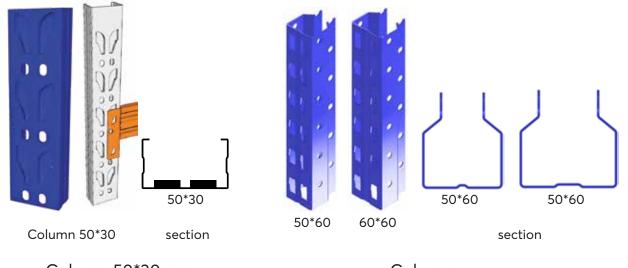
#### Light – Medium duty rack : Load 100 -> 300kg

Number of tiers of Medium duty rack can be customized according to need of use of customers



## 4. MEDIUM DUTY RACK

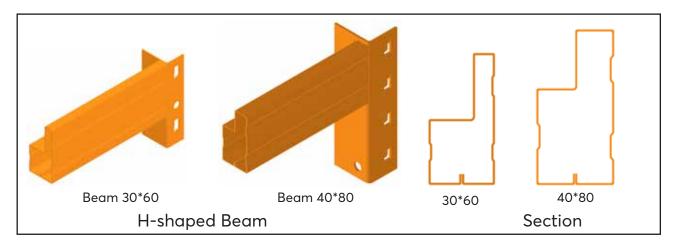
#### **Column foot parameters**



Column 50\*30mm Thickness: 0.8-1.6 Column Thickness: 0.8-1.6

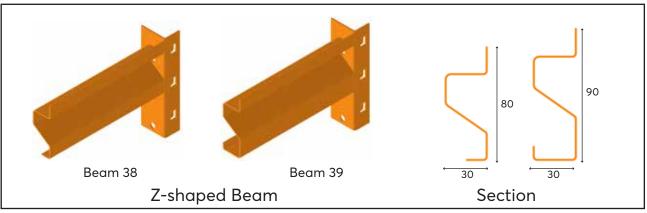
#### **Beam's parameters**

#### H-shaped Beam – Thickness 1.0 - 2.0



#### Z-shaped Beam – Thickness 1.0 - 2.0

19



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## 4. MEDIUM DUTY RACK

#### Principles of Storing and Taking out

Used in factories and warehouses according to the FIFO (First In first out) goods access process, which is guaranteed to be simple, convenient and fast.

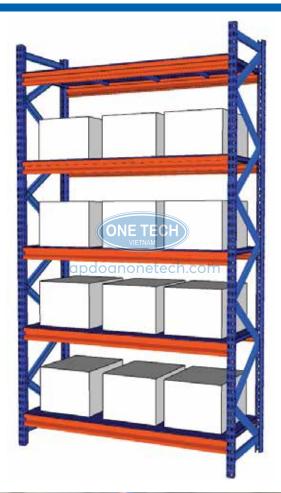
#### Ưu điểm

- Medium duty racks are suitable for goods with medium loads, not too heavy. Ensure the arrangement of goods is tidy, saving the maximum storage space.

- Be simple and easy assembly & disassembly. Be convenient and flexible in moving the medium duty racks to many different locations.

#### Weak points

Storage capacity is limited. If the goods are overloaded, the rack will easily reduce its bearing capacity and easily be broken. Manual loading and unloading, poor productivity



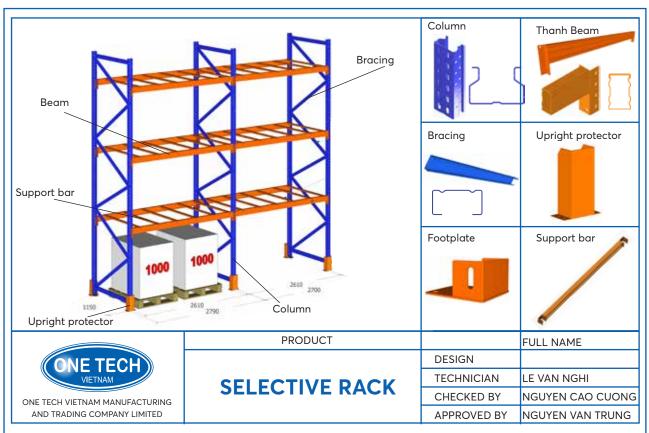




ONE TECH STORAGE RACK

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Selective storage rack is a type of heavy-duty assembled storage rack used by many businesses and for the purpose of storing many different types of goods. Shelves have a flexible design with the ability to hold a pallet and then cascade the pallets on top for easy access later.



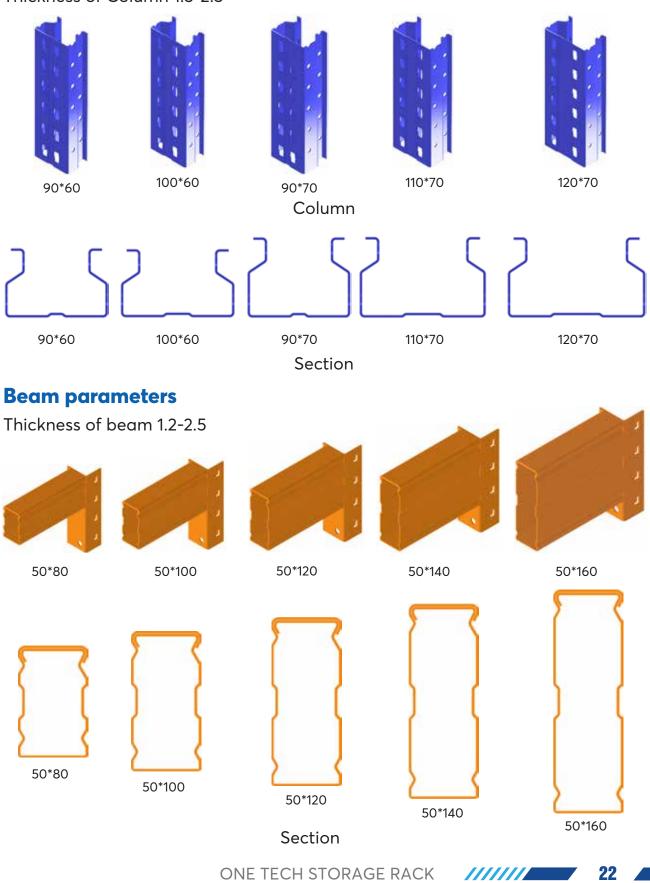
#### Components

#### **Technical specifications**

Selective rack	Unit	Standard dimensions
Size	mm	According to area of warehouse
Loading capacity	kg	1000 -> 3000kg/tier
Column thickness		1.5 -> 2.5
Beam	mm	1.2 -> 2,5
Support bar	mm	1.0 -> 1.4
Material		Stainless iron, Electrostatic powder coating iron
Color		Blue, orange

#### **Column parameters**

Thickness of Column 1.5-2.5



#### Principles of Storing and Taking out

Selective racking is the right solution for most pallets in both FIFO and LIFO methods. Helps increase convenience when using and can control the situation of storing and taking out goods quickly 100%.



#### **Strong points**

Fits all pallet sizes and most forklift models

Load capacity up to 5000 kg/tier

Easy to adjust, upgrade, expand or replace

Import and deliver goods unconstrainedly, access to 100% of goods

Suitable to design with all types of industrial warehouses

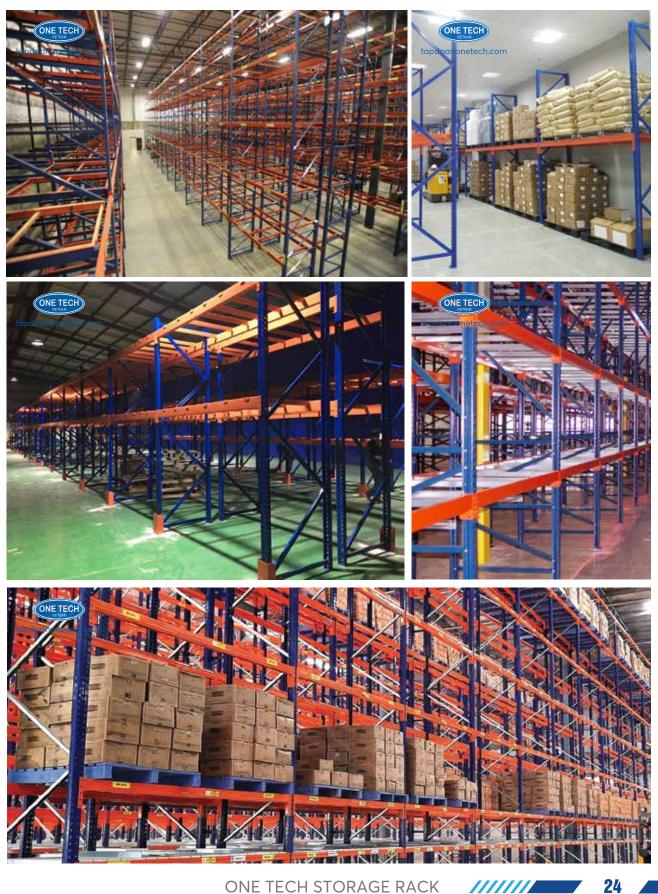
#### Weak points

Optimizing the storage area is not good (about 40%) Not suitable for long and bulky goods

Not optimize costs for businesses



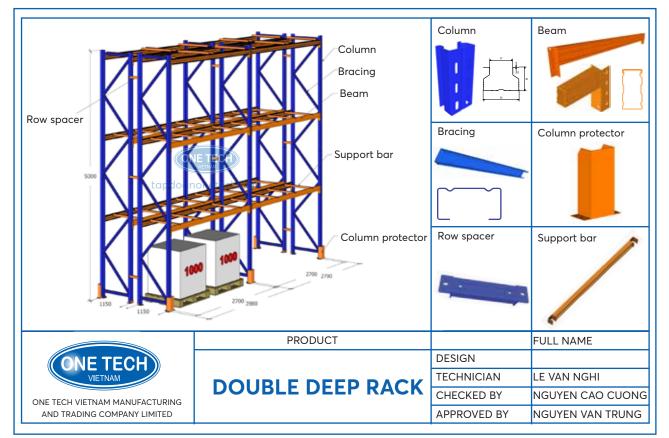
## **Completed projects**



ONE TECH STORAGE RACK

Double deep rack is a type of industrial shelf that consists of two rows of selective double rack connected back to each other. Goods accessibility is only 50% compared to Selective rack. This reduces forklift aisles and limits access to goods by 50%, but in return it optimizes for nearly twice the storage space in the warehouse compared to Selective rack.

#### Components

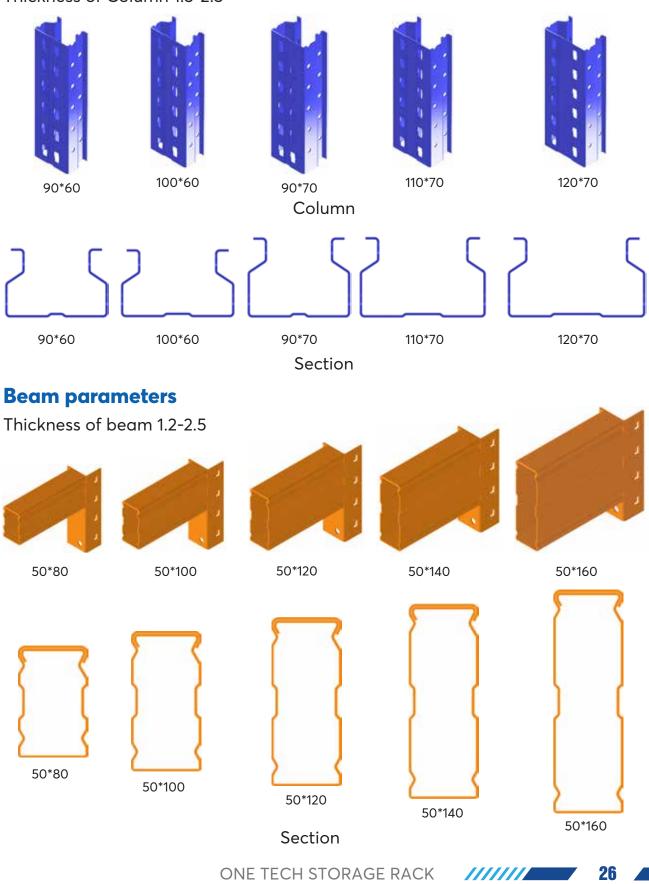


#### **Technical specifications**

Selective rack	Unit	Standard dimensions
Size	mm	According to area of warehouse
Loading capacity	kg	1000 -> 3000kg/tier
Column thickness	mm	1.5 -> 2.5
Beam	mm	1.2 -> 2,5
Support bar	mm	1.0 -> 1.4
Material		Stainless iron, Electrostatic powder coating iron
Color		Blue, orange

#### **Column parameters**

Thickness of Column 1.5-2.5



#### **Principles of Storing and Taking out**

This rack follows the principle of storing and taking out LIFO. This means that the goods that put into storage first will be taken out first. With this racking system, the forklift will pass the rack, enter in one side of the system and exit on the other.



#### **Strong points**

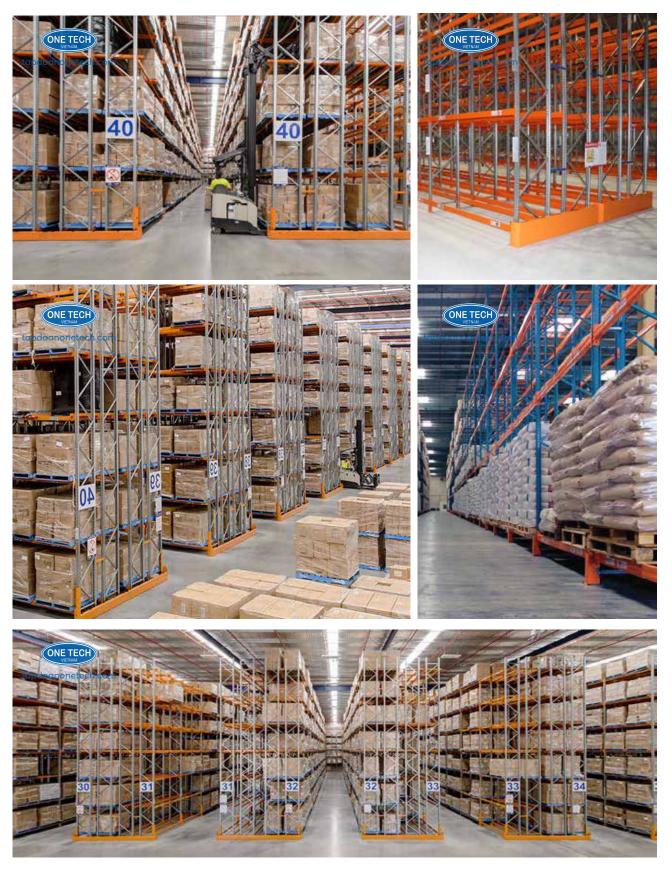
Fits all pallet sizes and current forklifts Optimizing storage space in the warehouse ~ 60% Match the design with the characteristics of most warehouses

#### Weak points

Accessibility to goods is about 50%



#### **Completed projects**



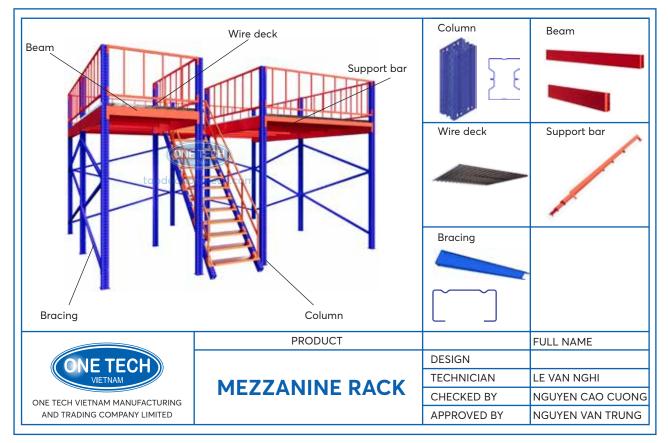
ONE TECH STORAGE RACK

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Mezzanine rack is an industrial racking system that helps create mezzanine floors for warehouses. This rack has high load capacity, creating 1-3 more floors in the warehouse to increase the warehouse area by 2-3 times.

#### Components

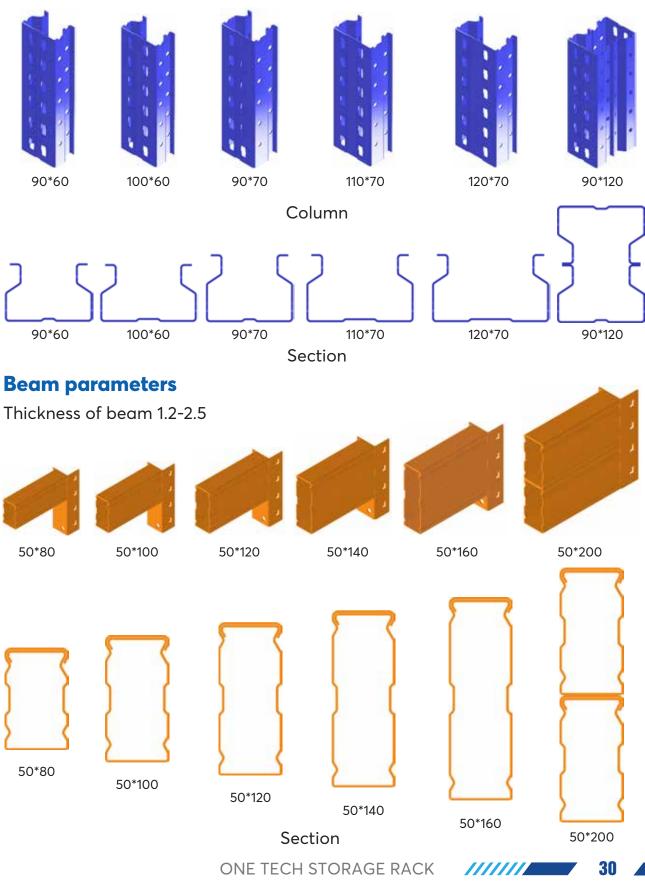


#### **Technical specifications**

Mezzanine Rack	Unit	Standard dimensions
Size	mm	According to area of warehouse
Handrail	mm	Thickness 0.7 -> 1.2
Thickness of column		1.5 -> 2.5
Beam	mm	50*100/120/140/160 thickness 1.2 -> 2.5
Support bar	mm	Thickness 0.8 -> 1.4
Material		Stainless iron, Electrostatic powder coating iron
Color		Blue, orange

#### **Column parameters**

Thickness of Column 1.5-2.5



#### **Principles of Storing and Taking out**

This rack works manually, all goods storing and taking out activities are done according to business owner's requirements



#### **Strong points**

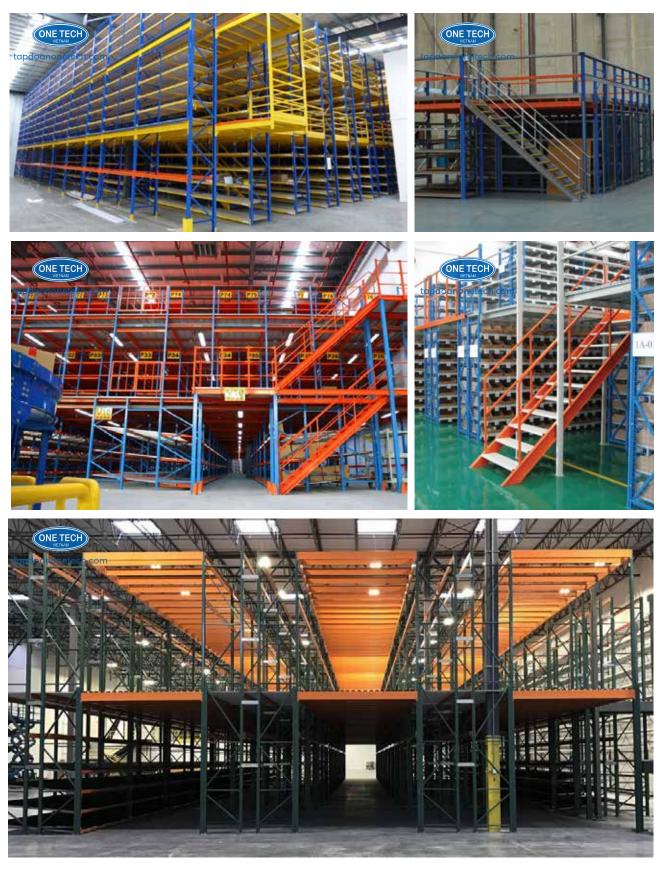
Increase more mezzanine floor, maximize area of warehouse Incorporate other industrial racks on the face of deck

#### Weak points

Complex structure, construction and erection requires much time



### **Completed projects**



ONE TECH STORAGE RACK

32

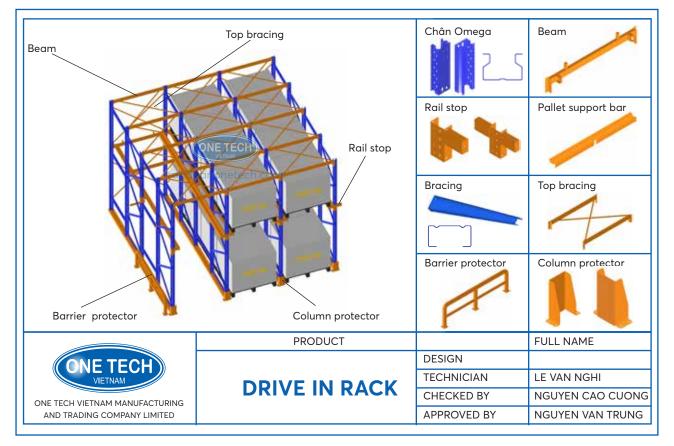
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## 8. DRIVE IN RACK

Drive in rack is the type of rack optimizing 90% area of storage of industrial warehouses. However, it requires some special conditions.

First condition is that pallet system containing goods must be uniform and suitable to rails. The forklift will move into storage rack from inside to outside, from lower position to higher position, respectively. This rack can be only used with a specialized forklift type used to squeeze into the row of rack or pick up goods.

#### Components



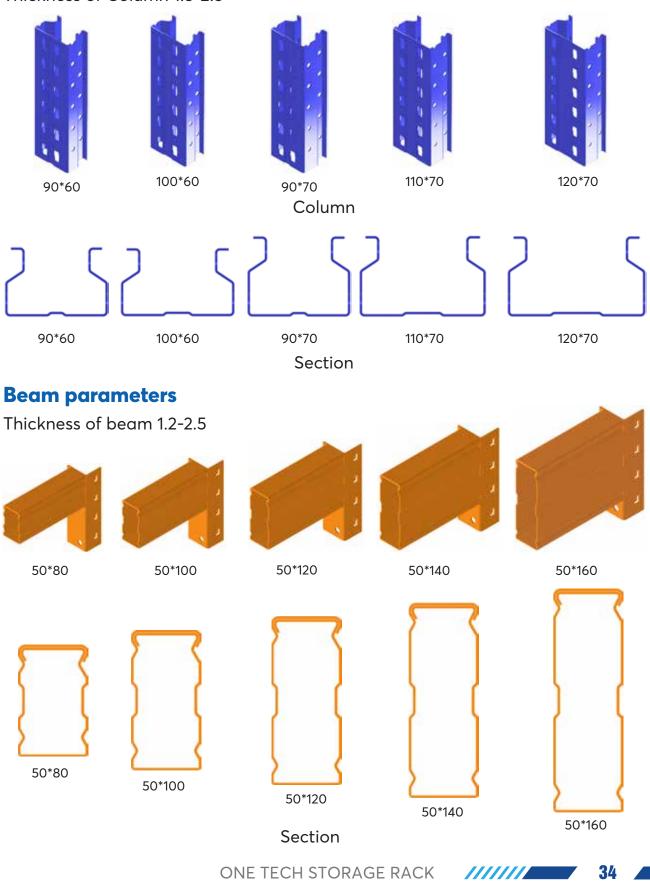
#### **Technical specifications**

Drive In rack	Unit	Standard dimensions
Size	mm	According to area of warehouse
Thickness of column	mm	1.5 -> 2.5
Beam	mm	50*100/120/140/160 thickness 1.2 -> 2.5
Support bar	mm	Thickness 0.8 -> 1.4
Material		Stainless iron, Electrostatic powder coating iron
Color		Blue, orange

## 8. DRIVE IN RACK

#### **Column parameters**

Thickness of Column 1.5-2.5



## 8. DRIVE IN RACK

#### Principles of storing and taking out

This racking system is popularly used. This rack helps to maximumly save aisle and works under management of warehouse following LIFO method, the last pallet will be firstly taken out.



#### **Strong points**

Can utilize at least 70% area of warehouse Save the investment cost, reduce cost of warehouse

#### Weak points

Accessibility to goods is low Only used with uniform pallets and specialized forklift

It is required to comply with storing and taking out principle.



# 8. DRIVE IN RACK

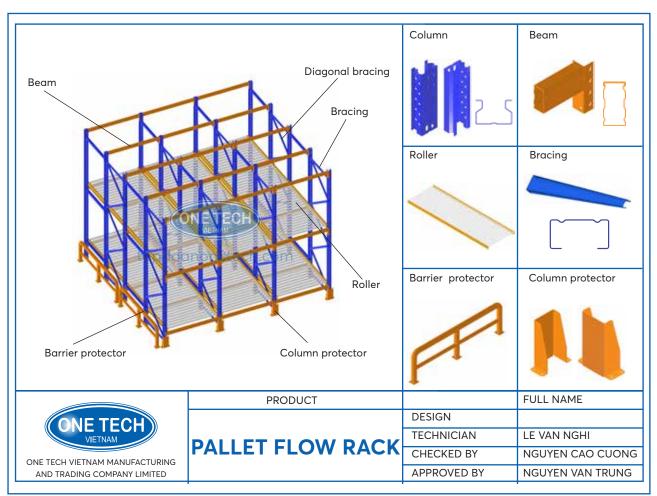
### **Completed projects**



ONE TECH STORAGE RACK

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For industrial goods requiring continuous transportation (line), using pallet flow rack is an optimum choice. This industrial storage rack features a design that slides the goods pallet from one end to the other automatically. Based on gravity and slope, the blocks will slide on the automatic roller easily.



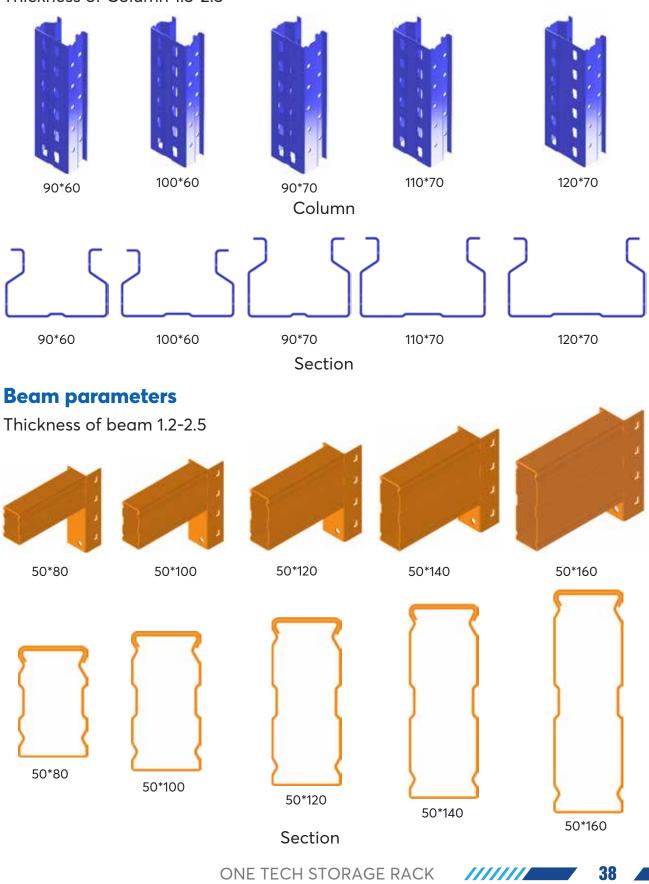
#### Components

#### **Technical specifications**

Drive In rack	Unit	Standard dimensions
Size	mm	According to area of warehouse
Thickness of column	mm	1.5 -> 2.5
Beam	mm	50*100/120/140/160 thickness 1.2 -> 2.5
Support bar	mm	Thickness 0.8 -> 1.4
Material		Stainless iron, Electrostatic powder coating iron
Color		Blue, orange

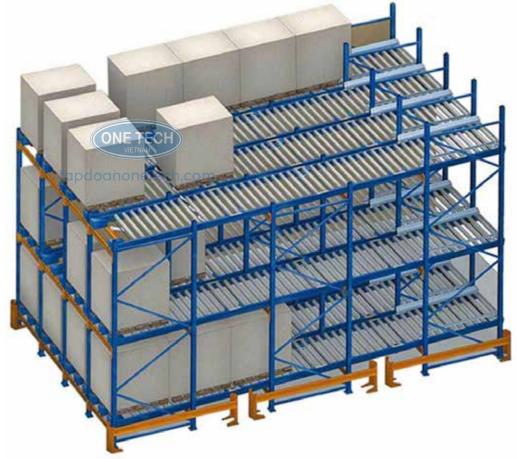
### **Column parameters**

Thickness of Column 1.5-2.5



#### Principles of storing and taking out

With the roller structure, the goods are easily moved inward or outward by movable sliding on the shelf surface. This type of racking is often used in warehouses with a large amount of goods, which need to be stored and taken out according to the principle of First In - First Out (FIFO).



#### **Strong points**

Suitable for many types of warehouses. Install a variety of racking. Racks are electrostatic powder coated to prevent from rust and mildew.

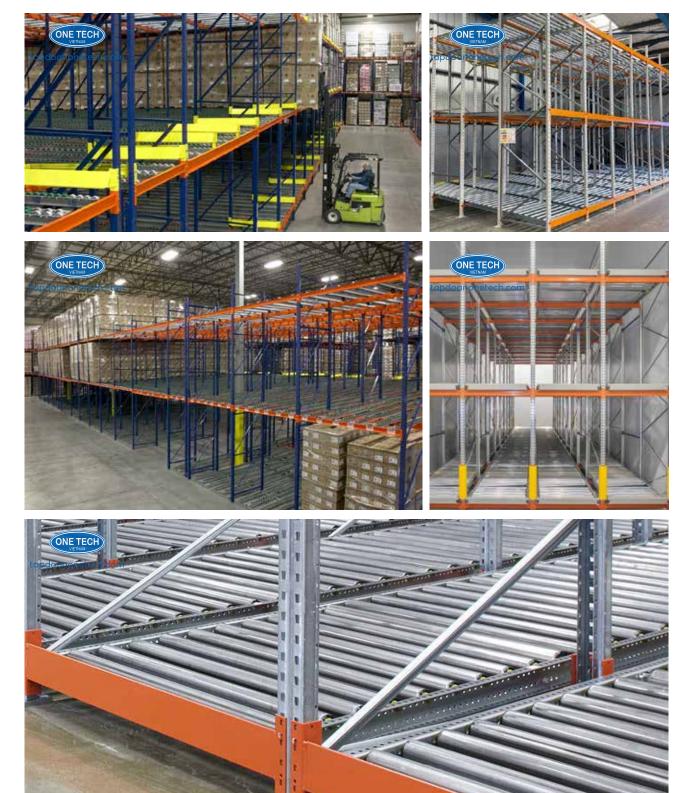
#### Weak points

Rollers cannot withstand heavy loads. Need regular maintenance of rollers. Complicated assembly and repair process.



#### **39** ONE TECH VIET NAM CATALOGUE

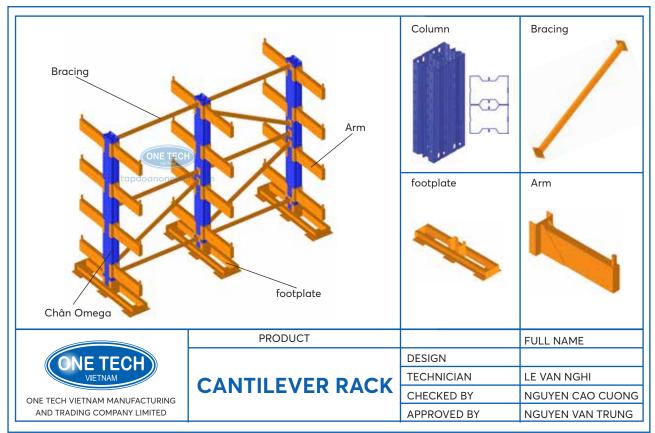
### **Completed projects**



ONE TECH STORAGE RACK

40

Cantilever Rack is a type of shelf for industrial goods in cube, tubular, long size. For example, the iron and steel industry or the wood industry. It is easy to support steel bundles, wooden blocks 10-20m long, loads of tons on the arm easily.



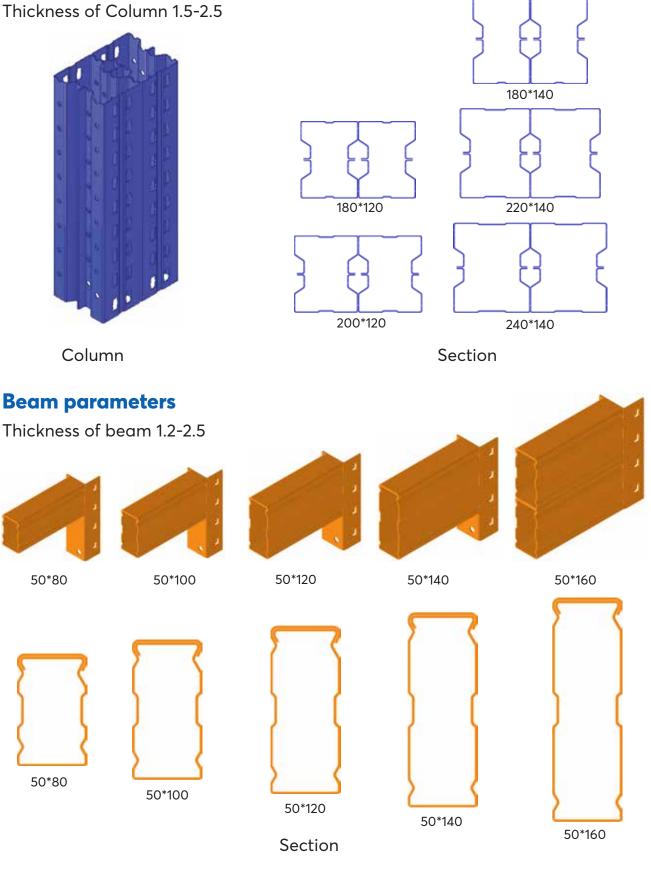
#### Components

#### **Technical specifications**

Cantilever rack	Unit	Standard dimensions
Size	mm	According to area of warehouse
Load capacity	kg	1500
Column	mm	180*120; 200*120; 180*140; 220*140; 240*140
Bracing	mm	30*60 -> 40*80
Arm	mm	50*80/100/120/140/160
Material		Stainless iron, Electrostatic powder coating iron
Color		Blue, orange

### **Column parameters**

Thickness of Column 1.5-2.5



ONE TECH STORAGE RACK

42

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#### Principles of storing and taking out

This rack works manually, all goods storing and taking out activities are done according to business owner's requirements



#### **Strong points**

Suitable to industrial goods: sawn timber, steel pipe, carpets furniture, etc.

Low investment cost with high efficiency.

Accessibility to goods is 100%

#### Weak points

43

Only suitable for goods of certain sizes Suitable for very large warehouse space



### **Completed projects**







ONE TECH STORAGE RACK

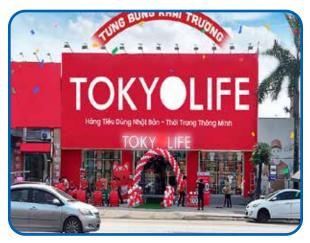
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45

TYPICAL PROJECTS & STRATEGIC PARTNERS

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ONE TECH VIET NAM CATALOGUE



TRANSPORTATION AND INSTALLATION OF STORAGE RACKS









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"We are glad to be of service"

ONE TECH STORAGE RACK



