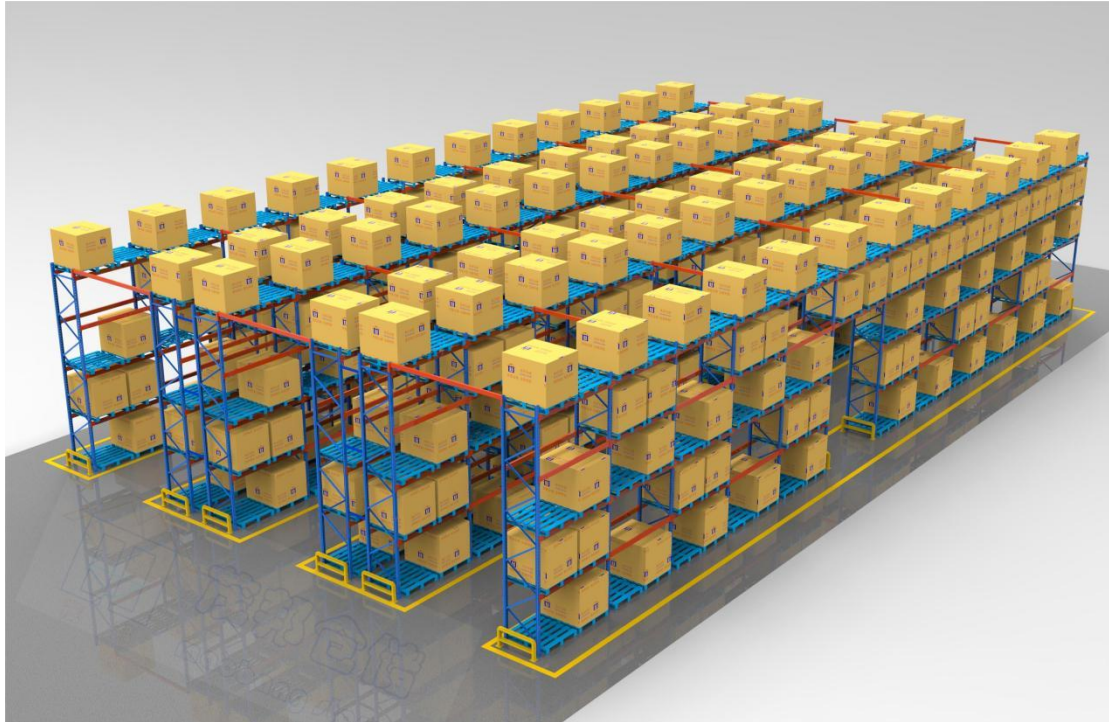


SELECTIVE PALLET RACKING SYSTEM

USER & INSTALLATION MANUAL

1. Product Overview



Selective Pallet Racking is standard modular warehouse storage equipment. Every pallet location is accessible directly by forklift. Beam height is adjustable to match different pallet and cargo heights.

Application: Factory warehouse, logistics distribution center, 3PL, e-commerce warehouse, raw material & finished goods storage.

2. Main Components

Upright Frame

Cold formed C-shaped steel with continuous adjustment holes. Standard pitch: 75mm .

Box Beam

Closed box section with welded connectors for uniform load capacity.

Safety Lock Pin

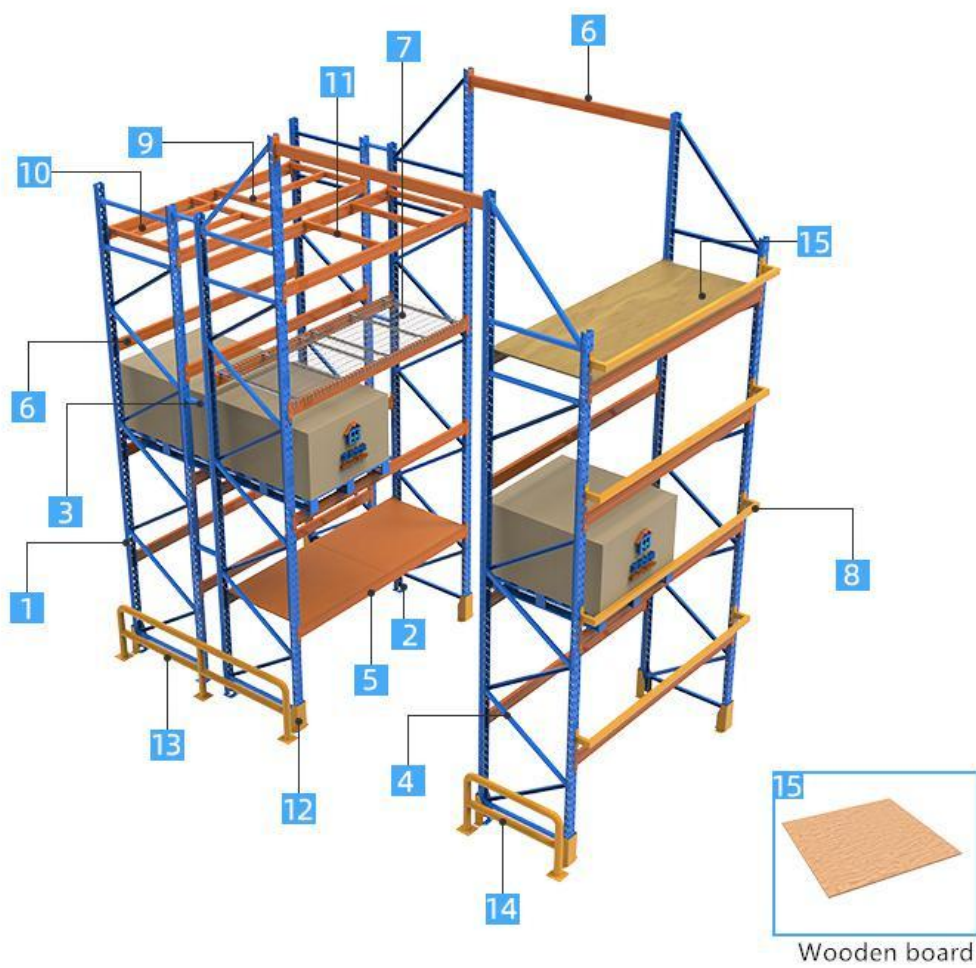
Prevent beam disengagement caused by forklift impact. Mandatory installation.

Base Plate

Disperse ground pressure, reserved holes for anchor bolts.

Optional Accessories

Column protectors, wire decking, row spacers, wall ties, load capacity signs.



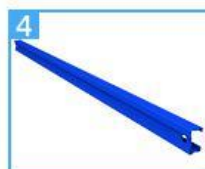
Upright



Foot plate



Row spacer



Bracing



Steel decking



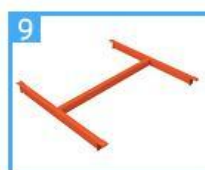
Beam



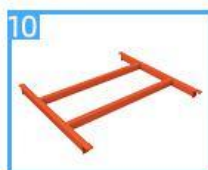
Wire mesh decking



Back pallet stop



support bar



support bar



support bar



Upright protector



Crash barrier,





3. Technical Specifications

- **Material:** High-quality cold rolled steel
- **Surface Treatment:** Epoxy Resin Electrostatic Powder Coating
- **Standard Color:** Upright: Blue; Beam: Orange (Customized colors are available)
- **Adjustable Height:** Beams can be repositioned
- **Compliance Standard:** CE, ISO9001

> **WARNING:** The load must not exceed the rated capacity and should be uniformly distributed

4. Step-by-Step Assembly Instructions

Materials and technical preparation:

Materials & Technical Preparation

1

Drawing Verification



Obtain the overall assembly drawing of the racking system, the upright frame and beam drawing, and the floor plan. Verify the specifications, number of floors, aisle width, and positioning dimensions of the racks; confirm the positions of embedded parts and anchor bolts.

2

Technical Handover



The construction supervisor will brief the installation team on the sequence, tolerance standards, safety rules, and load limits, making it clear that the loading capacity must not be exceeded.

3

On-site Communication



Confirm with the warehouse manager regarding the installation area, power-off time, goods clearance, forklift access routes, lifting positions, and coordination plan for cross-operation.

4

Site Clearance



To ensure a smooth installation, clear the area of pallets, goods, and debris. The ground must be dry, free of oil and construction waste, with enough space for assembly and handling.

Goods count and component inspection:

1. Goods arrival inspection:

Check the accessories against the packing list: Uprights, beams, bracings, base plates, anchor bolts, lock pins (safety pins), guardrails, partitions, etc., and verify the quantities.

2. Visual inspection of the goods: Before installation, check for any deformation or bending in the columns and beams. Make sure the column holes and beam hooks are properly aligned, and that all bolts and safety pins are present. Any damaged or deformed parts must not be used—please report and request a return or exchange right away.

3. Classification and stacking: Placing the goods in separate sections. Keep the upright columns vertical to prevent bending, and stack the beams separately. Also, take care to protect the paint surfaces from damage.

Tool List:

Measurement tools: steel tape measure, laser level, level ruler, plummet, ink roller

Fastening tools: impact drill, socket wrench, torque wrench, hammer, screwdriver

Auxiliary tools: extension ladder / scaffolding, marker pen

Protective equipment: safety helmet, slip-resistant shoes, gloves, reflective warning signs, warning barriers



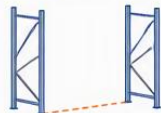
1



Assemble Upright Frames

Connect posts with horizontal and diagonal bracing.

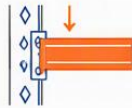
2



Stand Up Frames

Erect two frames, keep vertical and stable.

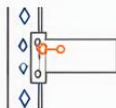
3



Hang Load Beams

Clip into diamond holes, push down fully.

4



Insert Safety Pins

Lock every beam connector.

5



Connect Multiple Bays

Join with row spacers, add bracing.

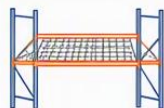
6



Anchor to Floor

Bolt base plates to concrete.

7



Add Accessories

Install wire decking and optional add-ons.

Step 1: Install base plates on upright frames;

Step 2: Erect two upright frames to form a single bay, keep vertically;

Step 3: Hook beams into upright holes and push down fully;

Step 4: Insert safety lock pins into every beam connector;

Step 5: Connect multiple bays by row spacers; install bracing for long rack rows;

Step 6: Anchor base plates to concrete floor with anchor bolts (Recommended);

Step 7: Install wire decking and other accessories as needed;

Final Inspection

✓ All safety pins installed

✓ Uprights vertical

✓ All connections tight and stable

5. Critical Safety Instructions

1. Follow the Safe Working Load strictly; no concentrated point loads.
2. Place heavy goods on lower levels and light goods on upper levels.
3. Only use undamaged pallets.
4. Forklift operators must be professionally trained and avoid hitting the racks.
5. Do not climb, stand, or walk on beams or wire decking.
6. No cutting, welding, or drilling without the manufacturer's written approval.
7. Keep at least 100mm clearance between the pallet top and the upper beam.
8. Stop using immediately if any components are deformed or safety pins are missing.

6. Inspection & Maintenance

- Weekly: Visual inspection of safety pins, collision damage, anchor bolts
- Quarterly: Check upright verticality, beam deflection and deformation
- Annually: Professional safety inspection

Maintenance Tips

1. Wipe with a dry cloth and avoid harsh cleaners.
2. Repair any scratches on the coating to prevent rust.
3. Replace bent or cracked parts right away.
4. Keep the warehouse well ventilated.



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