Muscle Rack UR361872PB5P-SV

Muscle Rack UR361872PB5P-SV 5-Shelf Steel Storage Rack User Manual

Model: UR361872PB5P-SV

1. Product Overview

The Muscle Rack UR361872PB5P-SV is an industrial-grade steel storage rack designed for heavy-duty storage applications. It features a durable silver vein finish and a robust Z-beam design for enhanced strength and rigidity. This unit includes five adjustable shelves with particle board decking, capable of supporting a total capacity of 4000 pounds when evenly distributed. The shelves can be adjusted in 1.5-inch increments to accommodate various item sizes. Assembly is simplified with a post coupler system, eliminating the need for nuts or bolts. The versatile design allows for vertical assembly as a traditional shelving unit or horizontal assembly as a workbench.





Figure 1: The Muscle Rack UR361872PB5P-SV 5-shelf steel storage rack, shown empty.

2. Safety Information

- Always wear appropriate safety gear, such as gloves, during assembly to prevent cuts or pinches.
- Ensure the assembly area is clear and well-lit.
- Do not exceed the maximum weight capacity of 4000 pounds (1814 kg) for the entire unit, or 800 pounds (363 kg) per shelf, when weight is evenly distributed.
- Distribute weight evenly across shelves to maintain stability. Avoid concentrating heavy items on one side.
- For tall units, consider anchoring the rack to a wall to prevent tipping, especially in areas prone to earthquakes or heavy traffic.
- Keep children and pets away from the assembly area.
- Do not climb on the shelving unit.

3. Package Contents

Before beginning assembly, verify that all components are present. If any parts are missing or damaged, contact customer support.

- Steel Upright Posts (4 sections per side, totaling 8 sections)
- Z-Beams (10 long, 10 short - for 5 shelves)
- Particle Board Shelf Decking (5 pieces)
- Post Couplers (4 pieces, for connecting upright post sections)
- Plastic Foot Caps (4 pieces)

Tools Required (Not Included):

- Rubber Mallet
- Safety Gloves

4. Setup and Assembly Instructions

This storage rack can be assembled as a single tall unit or as two shorter workbench-style units. Follow these steps carefully.

4.1. Single Tall Unit Assembly

1. **Prepare Upright Posts:** Connect the two sections of each upright post using the provided post couplers. Gently tap them into place with a rubber mallet until secure. Ensure the keyhole slots face outwards.
2. **Attach Foot Caps:** Place the plastic foot caps onto the bottom of each assembled upright post.
3. **Assemble Base Frame:** Lay two upright posts parallel on the floor. Insert the short Z-beams into the lowest keyhole slots on the uprights, ensuring the Z-beam lip faces upwards. Tap firmly with a rubber mallet to secure. Repeat for the other side.
4. **Connect Sides:** Connect the two assembled sides using the long Z-beams at the lowest level, forming a rectangular base. Ensure all connections are tight.
5. **Install First Shelf:** Carefully place one particle board shelf decking onto the assembled base frame.
6. **Install Remaining Shelves:** Determine your desired shelf heights. Insert the remaining Z-beams into the keyhole slots at your chosen increments. Ensure the Z-beam lip faces upwards. Tap firmly with a rubber mallet to secure each beam.
7. **Place Shelf Decking:** Once all Z-beams are in place for a shelf level, carefully place a particle board shelf decking onto them.
8. **Final Check:** Once all shelves are installed, ensure all beams are securely seated in the keyhole slots. Gently rock the unit to check for stability.



Figure 2: Detail of the Z-beam connection system, showing how beams interlock with upright posts.



Figure 3: Detail of the post coupler used to connect upright post sections.

4.2. Workbench Configuration Assembly

To assemble as two shorter workbench units, follow the single tall unit assembly steps, but use only two upright post sections per corner (no couplers needed). Distribute the Z-beams and particle board decking evenly between the two units. Each workbench will have two or three shelves depending on how you divide the components.



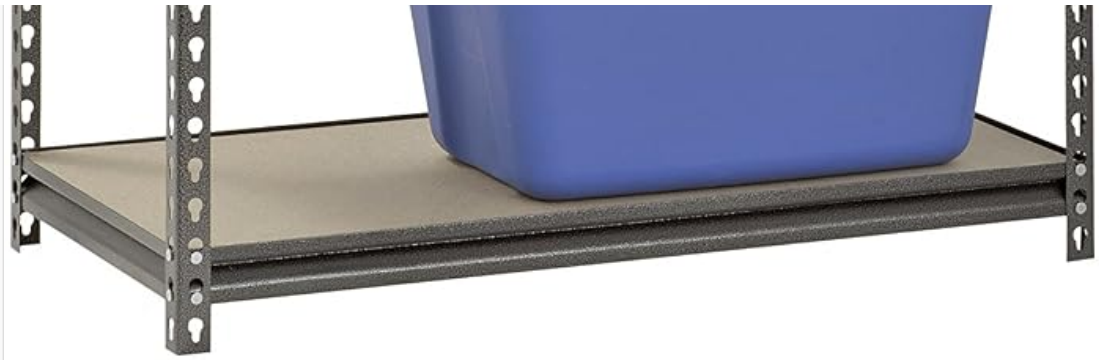


Figure 4: Example of the assembled rack holding various storage bins.

5. Operating and Usage Guidelines

- **Weight Distribution:** Always distribute items evenly across the entire shelf surface. Avoid placing all heavy items in the center or on one edge.
- **Capacity:** Do not exceed the maximum weight capacity of 800 lbs (363 kg) per shelf or 4000 lbs (1814 kg) for the entire unit. Overloading can lead to structural failure and injury.
- **Adjusting Shelves:** To adjust shelf height, unload the shelf completely. Gently tap the Z-beams upwards with a rubber mallet to disengage them from the keyhole slots. Re-position the beams at the desired height and tap them back into place securely.
- **Stability:** Ensure the rack is placed on a flat, level surface. If the floor is uneven, use shims under the foot caps to stabilize the unit.





Figure 5: The storage rack in use, holding various household and garage items.

6. Maintenance

- **Cleaning:** Wipe the steel frame and particle board shelves with a dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners that could damage the finish or shelf material.
- **Inspection:** Periodically inspect all connections to ensure Z-beams are securely seated in the keyhole slots. Re-tap with a rubber mallet if any connections appear loose.
- **Damage:** If any part of the rack becomes bent, cracked, or otherwise damaged, discontinue use immediately and replace the affected components or the entire unit.

7. Troubleshooting

- **Rack is Unstable/Wobbly:**

- Ensure all Z-beams are fully seated into the keyhole slots. Use a rubber mallet to tap them firmly into place.
- Verify the rack is on a level surface. Use shims if necessary.
- Check that the weight on the shelves is evenly distributed.

- **Difficulty Assembling Components:**
  - Ensure you are using a rubber mallet for assembly. Forceful tapping is often required to seat the Z-beams and couplers properly.
  - Verify that the keyhole slots on the upright posts are facing the correct direction (outwards).
  - If parts are severely bent or misaligned, contact customer support for replacements.
- **Missing Parts:**
  - Carefully check all packaging materials. Small parts like couplers or foot caps can sometimes be overlooked.
  - If parts are genuinely missing, contact the retailer or manufacturer's customer support with your purchase details.

8. Specifications

Feature	Detail
Model Number	UR361872PB5P-SV
Material	Steel frame, Particle Board shelves
Finish Type	Silver Vein
Number of Shelves	5
Overall Dimensions (Assembled)	72 inches (Height) x 36 inches (Width) x 18 inches (Depth)
Shelf Adjustment	1.5-inch increments
Total Weight Capacity	4000 lbs (1814 kg) (evenly distributed)
Per Shelf Weight Capacity	800 lbs (363 kg) (evenly distributed)
Assembly Type	Boltless (Z-beam design with post couplers)



Figure 6: Diagram showing the overall dimensions of the assembled storage rack.

9. Warranty and Support

For warranty information, missing parts, or technical assistance, please contact the manufacturer, Muscle Rack, or your retailer directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Muscle Rack

Place of Business: FRANKLIN PARK, IL, 60131 US

Refer to your purchase documentation or the Muscle Rack official website for the most current contact information.

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