

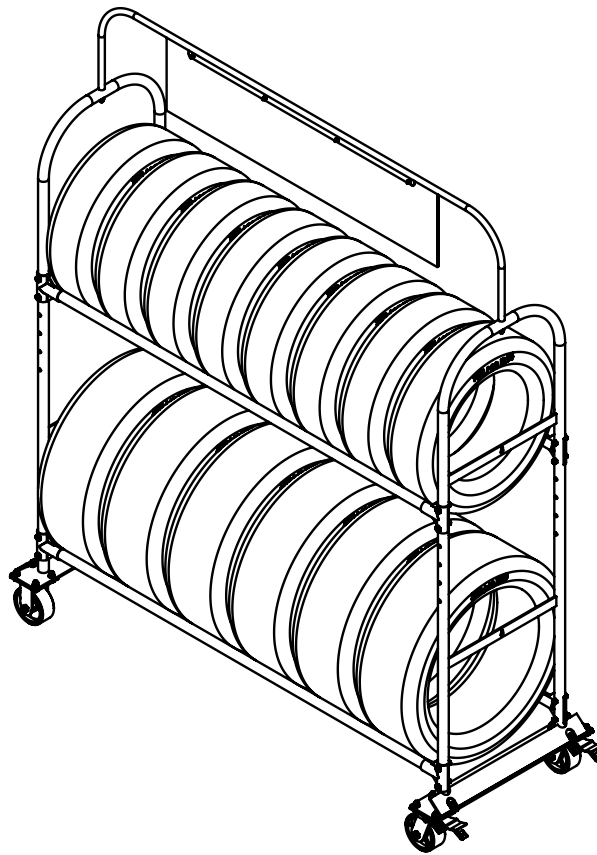
Tire Storage Rack

Assembly and User Guide

Manual P/N 5900409 — Revision A1 — August 2024

Model:

TSR-25



Designed and engineered by BendPak Inc. in Southern California, USA. Made in China.

 **DANGER**

Read the entire contents of this manual before assembling and using this product. Failure to follow the instructions and safety precautions in this manual can result in severe injury. By proceeding with setup and operation, you agree that you fully understand the contents of this manual.

Manual. TSR-25 Tire Storage Rack, *Assembly Guide*, Manual P/N 5900409, Manual Revision A1, Released August 2024.

Copyright. Copyright © 2024 by BendPak Inc. All rights reserved. You may make copies of this document if you agree that: you will give full attribution to BendPak Inc., you will not make changes to the content, you do not gain any rights to this content, and you will not use the copies for commercial purposes.

Trademarks. BendPak, the BendPak logo, Ranger, and the Ranger logo are registered trademarks of BendPak Inc. All other company, product, and service names are used for identification only. All trademarks and registered trademarks mentioned in this manual are the property of their respective owners.

Limitations. Every effort has been made to include complete and accurate instructions in this guide. However, product updates, revisions, and/or changes may have occurred since this guide was published. BendPak Ranger reserves the right to change any information in this manual without incurring any obligation for equipment previously or subsequently sold. BendPak Ranger is not responsible for typographical errors in this manual. Contact us at any time to get the latest information about any product: [rangerproducts.com](https://www.rangerproducts.com).

Warranty. The BendPak Ranger warranty is more than a commitment to you: it is also a commitment to the value of your new product. For full warranty details, contact your nearest BendPak Ranger dealer or visit [rangerproducts.com/support/warranty](https://www.rangerproducts.com/support/warranty).

Safety. Your new product was designed and manufactured with safety in mind. Your safety also depends on proper training and thoughtful operation. Do not set up, operate, maintain, or repair the unit without reading and understanding this manual; **do not use this product unless you can do so safely!**

Owner Responsibility. In order to maintain your product properly and to ensure operator safety, it is the responsibility of the product owner **to read and follow these instructions:**

- Follow all assembly, operation, and maintenance instructions.
- Make sure product use conforms to all applicable local, state, and federal codes, rules, and regulations, such as state and federal OSHA regulations.
- Read and follow all safety instructions. Keep them readily available for operators.
- Make sure all operators are properly trained, know how to safely operate the unit, and are properly supervised.
- Do not operate the product until you are certain that all parts are in place and operating correctly.
- Carefully inspect the product on a regular basis and perform all maintenance as required.

Only use this product if it can be used safely!

Introduction

This manual describes the Ranger TSR-25 Tire Storage Rack. Constructed of welded steel alloy tubing with a tough powder coat finish this Rack provides a rugged, safe, and convenient method to store, display and transport wheels and tires while maximizing work space. Designed to accommodate a wide variety of tire sizes, the upper tire storage tier may be adjusted to 5 height positions spaced 2.75 in. (70 mm) apart. The Storage Rack includes a Sign Holder mounted at the top of the Tire Rack and includes three general sale and service signs.

More information about the full line of Ranger Products is available at [rangerproducts.com](https://www.rangerproducts.com).

This manual is mandatory reading for all users of the Tire Storage Rack.

DANGER

Be careful when setting up, operating, maintaining, or repairing this equipment; failure to do so could result in property damage, product damage, and injury. Do not make modifications to the unit; this voids the warranty and increases the chances of injury or property damage.

Shipping Information


Your equipment was carefully checked before shipping. Nevertheless, you should thoroughly inspect the shipment **before** you sign to acknowledge that you received it.

When you sign the bill of lading, it tells the carrier that the items on the invoice were received in good condition. **Do not sign the bill of lading until after you have inspected the shipment.** If any of the items listed on the bill of lading are missing or damaged, do not accept the shipment until the carrier makes a notation on the bill of lading that lists the missing or damaged goods.

If you discover missing or damaged goods **after** you receive the shipment and have signed the bill of lading, notify the carrier at once and request the carrier to make an inspection. If the carrier will not make an inspection, prepare a signed statement to the effect that you have notified the carrier (on a specific date), and that the carrier has failed to comply with your request. It is difficult to collect for loss or damage after you have given the carrier a signed bill of lading. If this happens to you, file a claim with the carrier promptly. Support your claim with copies of the bill of lading, freight bill, invoice, and photographs, if available. Our willingness to assist in helping you process your claim does not make us responsible for collection of claims or replacement of lost or damaged materials.

Safety Considerations

Read this entire manual carefully before using your new product.

 **WARNING** **California Proposition 65.** This product can expose you to chemicals including styrene and vinyl chloride which are on the list of over 900 chemicals identified by the State of California to cause cancer, birth defects or reproductive harm. Always use this product in accordance with BendPak's instructions. For more information, visit www.p65warnings.ca.gov.

Safety Information

Please note the following:

- This product is a Tire Storage Rack. **Use it only for its intended purpose.**
- This safety information and the warnings throughout this guide cannot cover all possible conditions and situations. It must be understood by the operator that common sense and caution are required at all times when using this equipment.
- Read and understand all warnings, safety precautions and instructions prior to use.
- Keep children away from the Tire Storage Rack.
- **Never** exceed the maximum rated distributed load weight of 551 lbs. (250 kg) / tier.
- **Never** alter or make any modifications to the product.
- Use this unit on a dry, clean, flat surface only.
- Make sure all operators read and understand the Assembly and User Guide.
- Make a visual inspection of the product before using it each time. Do not use the product if you find any missing or damaged parts. Instead, take the unit out of service, then contact an authorized repair facility, your distributor, or Ranger Products at **(805) 933-9970** follow the prompts to reach sales or support.
- Tires and Wheels are heavy. Always bend knees while lifting to avoid muscle strain or back injuries. If needed, seek assistance when lifting large heavy wheels and tires.

Symbols

Following are the symbols used in this manual:



DANGER

Calls attention to a hazard that **will** result in death or injury.



WARNING

Calls attention to a hazard or unsafe practice that **could** result in death or injury.



CAUTION

Calls attention to a hazard or unsafe practice that could result in personal injury, product damage, or property damage.

NOTICE

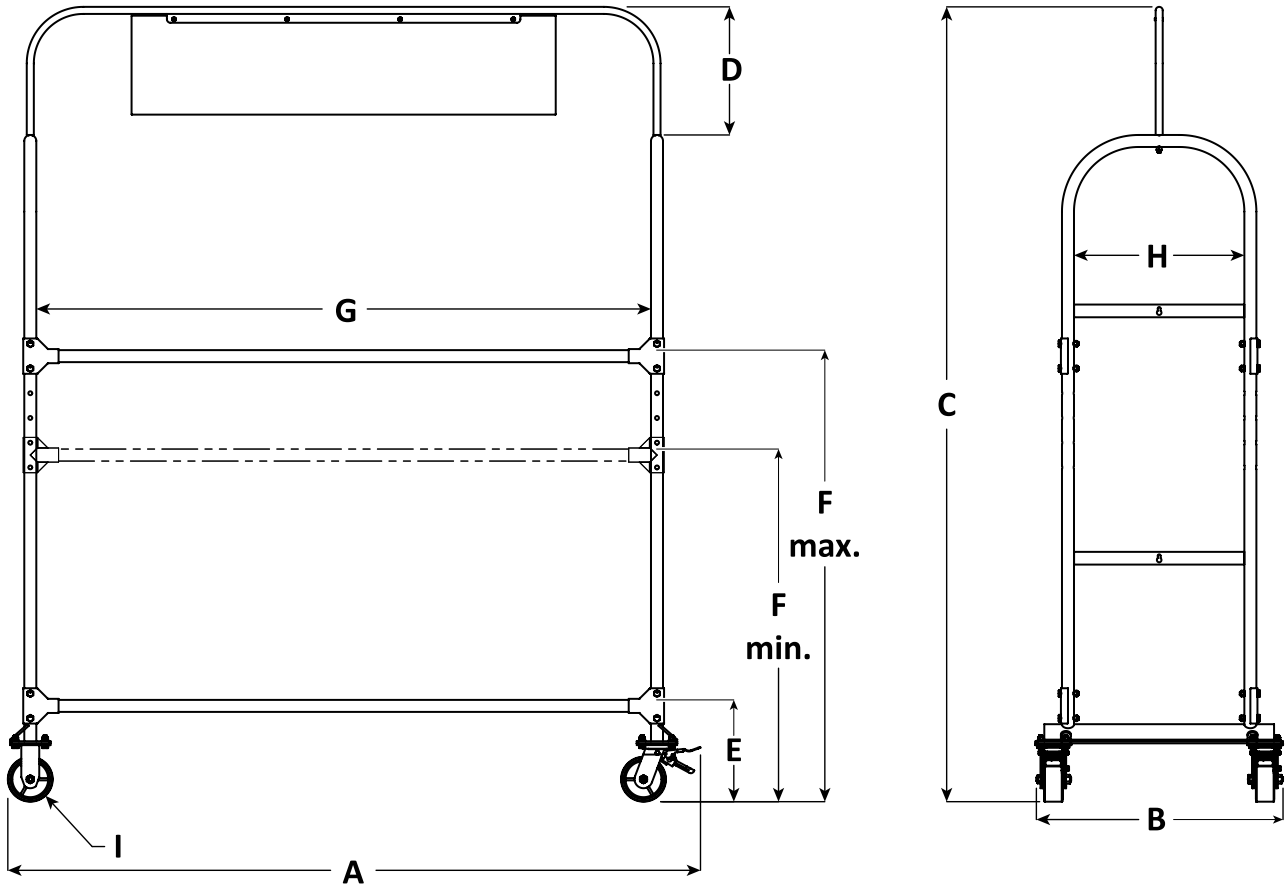
Calls attention to information that can help you use your equipment better.

Liability Information

BendPak Ranger assumes **no** liability for damages resulting from:

- Use of the equipment for purposes other than those described in this manual.
- Modifications to the equipment without prior, written permission from BendPak Ranger.
- Damage to the equipment from external influences.
- Incorrect operation of the equipment.

Specifications



All specifications subject to change without notice.

A – Overall Length	77 in. (1,959.6)
B – Overall Width	27.5 in. (698 mm)
C – Overall Height	88.5 in. (2,250 mm)
D – Sign Frame Accessory Height	14.25 in. (363 mm)
E – Bottom Storage Tier Height	11.25 in. (288 mm)
F – Top Storage Tier Height	39.25 in. (998 mm) Min. 50.25 in. (1,278 mm) Max. <i>5 Height Positions spaced 2.75 in. (70 mm) apart.</i>
G – Inside Length	68.5 in. (1,739 mm)
H – Inside Width	19 in. (482 mm)
I – Caster Diameter	Ø5 in. (127 mm)
Max. load Weight <i>(distributed across each tier)</i>	551 lbs. (250 kg)
Material	Steel Q345B
Net Weight	145.5 lbs. (66 kg)

Assembly

Tools required for assembly:

- Open and closed end metric wrench set
- Metric Hex Key set
- Clean Shop Towels
- Hammer and prybar

Select a Site for Setup and Operation

Find a nearby location for assembly, where you will be using the Tire Rack. The site should include the following:

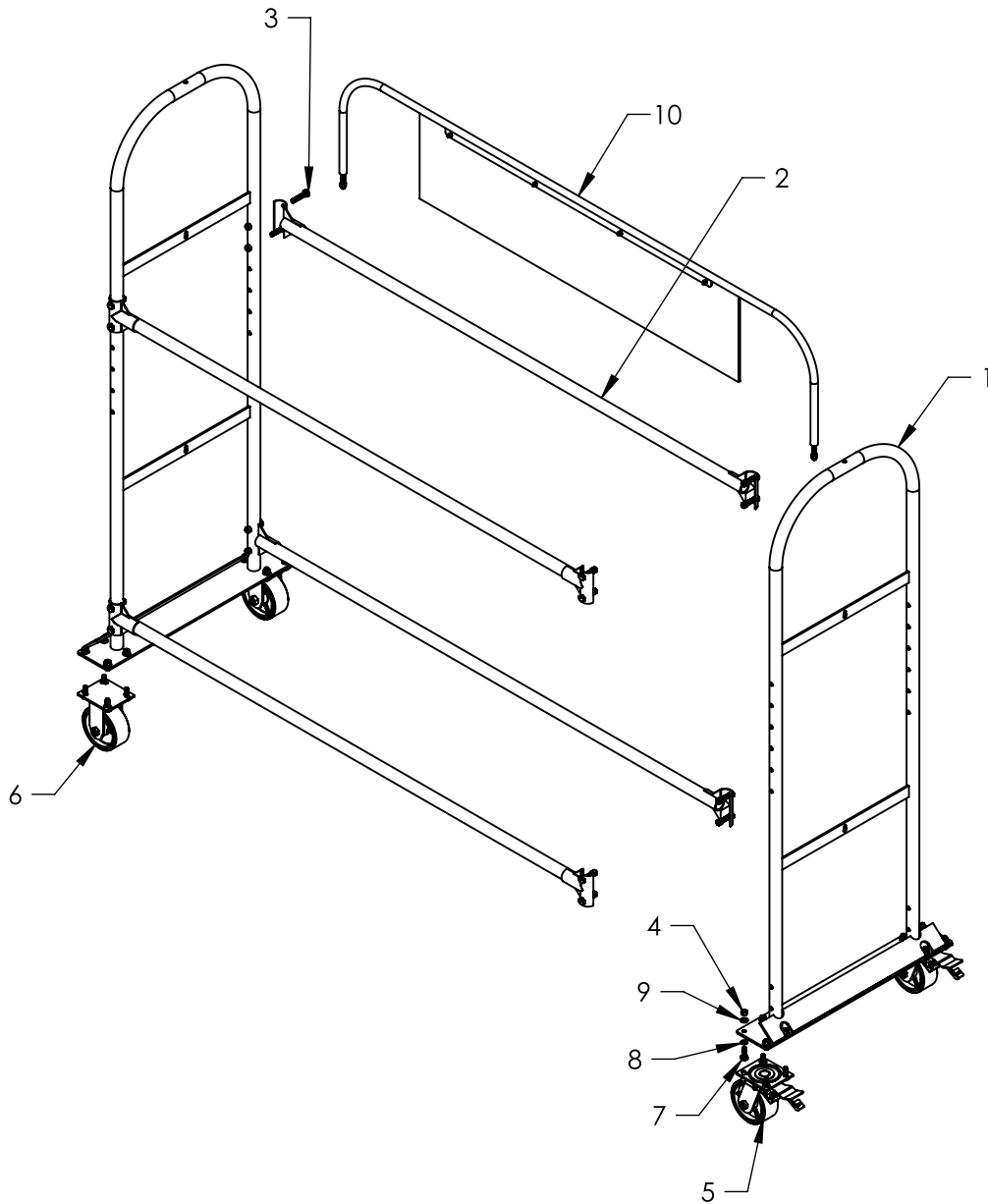
- **Clearance.** Adequate unobstructed space on all sides and enough room above the Tire Rack for assembly.
- **Cleanliness.** Keep the Tire Rack components clean. Place components on shop towels or cardboard, where they will not be lost or damaged.
- **Level floor.** Verify the floor is dry, level, and in good condition.

Assemble the Tire Storage Rack

Refer to the figure on the next page.

1. Open the packaging using the hammer and prybar.
2. Retrieve the following from the shipping container:
 - a. (16x) M10 x 1.5 x 50 mm Hex Head Bolts
 - b. (16x) M10 Nylock Hex Nuts
 - c. (4x) Cross Bar Tube Weldments
 - d. (2x) Upright Frame Weldments
3. Attach two Cross Bar Tube Weldments to each Upright Frame Weldment on the lowest Tire Storage Tier using the M10 Hex Bolts and Nylock Nuts previously retrieved. Insert the Hex Head bolts so that the Bolt Head is on the Outside of the Tire Rack and the Hex Nuts are on the Inside. *Do not fully secure the Hex Nuts yet.*
4. Choose the height required for the upper Tire Storage Tier. The height may be adjusted between a minimum of 39.25 in (998 mm) to a maximum of 50.25 in. (1,278 mm).
5. Use the remaining (8x) M10 Hex Head Bolts and M10 Nylock Nuts to secure the remaining two Cross Bar Tube Weldments to form the Upper Tire Storage Tier on both Upright Frame Weldments.
6. Stand the assembly up and securely tighten all sixteen fasteners.
7. Lay the assembly on its side.
8. Retrieve the following from the shipping container:
 - a. (2x) Rigid Casters
 - b. (2x) Swivel Casters
 - c. (16x) Hex Head Bolts M10 x 1.5 x 30 mm
 - d. (16x) M10 Split Lock Washers
 - e. (16x) M10 Flat Washers
 - f. (16x) M10 Nylock Hex Nuts

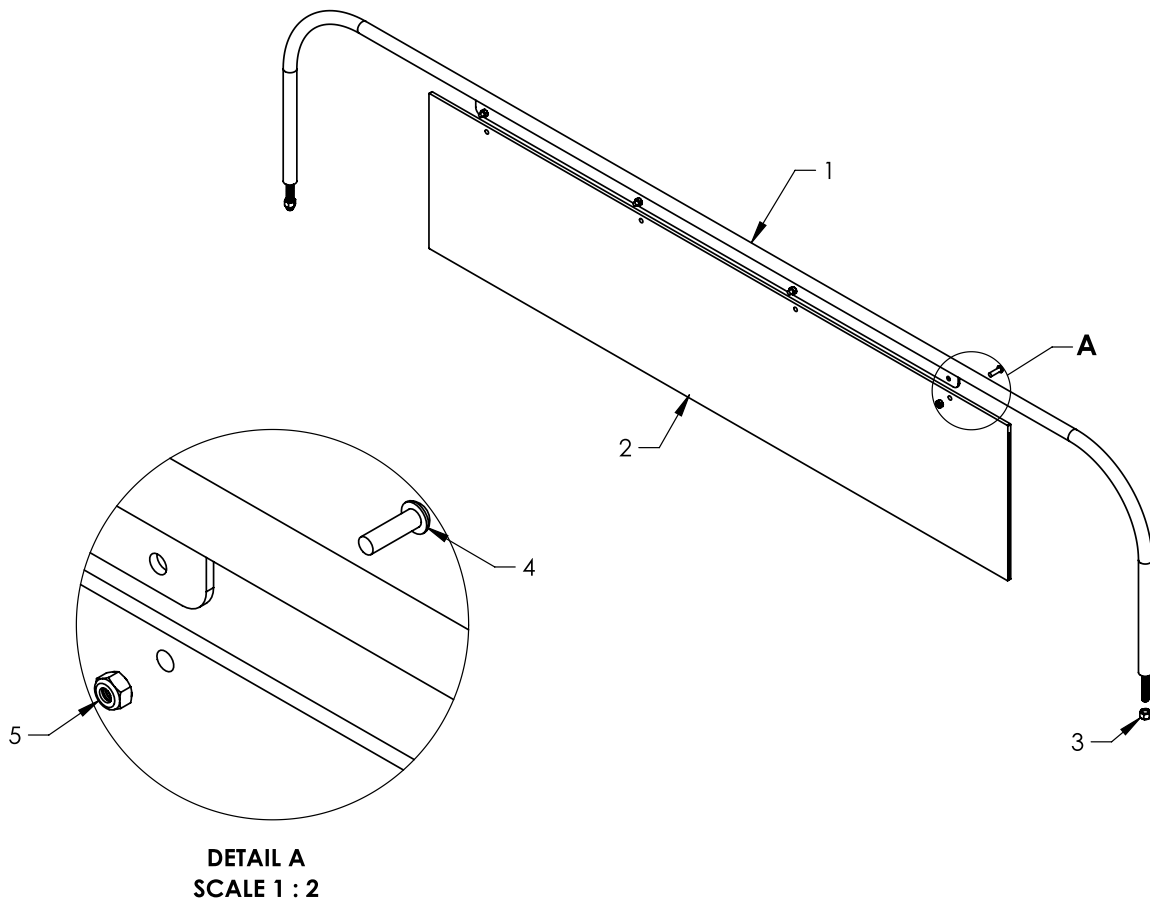
9. Attach the Fixed Casters to one of the Upright Frame Weldments using the fasteners retrieved previously.
10. Attach the two Swivel Casters to the remaining Upright Frame Weldment using the remaining fasteners.



Item	Part Number	Description	Qty.
1	5602062	Tire Storage Rack Upright Frame Weldment	2
2	5602063	Tire Storage Rack Cross Bar Tube Weldment	4
3	5530759	Hex Head Bolt M10 x 1.5 x 50 mm	16
4	5535013	Nut, Hex Nylock M10 x 1.5	32
5	5575082	Caster, Swivel, Locking 5 in.	2
6	5575083	Caster, Rigid 5 in.	2
7	5530021	Hex Head Bolt M10 x 1.5 x 30 mm	16
8	5545200	Washer, Split Lock M10 x Ø18	16
9	5545341	Washer, Flat M10 x Ø20	16
10	5216287	Tire Storage Rack Sign Assembly	1

Assemble the Tire Storage Rack Sign Accessory

11. Retrieve the following components:
 - a. Sign Weldment
 - b. Sign Holder
 - c. (2x) M10 Nylock Hex Nuts
 - d. (4x) M6 x 1.0 x 20 Button Head Socket Cap Screws
 - e. (4x) M6 Nylock Hex Nuts
12. Refer to the figure on the previous page.
13. Insert the Sign Weldment's M10 threaded studs into the openings on the top of both Upright Frame Weldments.
14. Attach the Sign Holder onto the Sign Weldment using the four M6 x 20 Button Head Socket Cap Screws and M6 Nylock Hex Nuts. **Do NOT overtighten!**
15. Choose one sign from the three provided signs and insert into the sign holder.



Item	Part Number	Description	Qty.
1	5602064	Tire Storage Rack Sign Weldment	1
2	5737419	Tire Storage Rack Sign Holder	1
3	5535013	Nut, Hex Nylock M10 x 1.5	2
4	5530065	Screw, Button Head Socket M6 x 1.0 x 20	4
5	5535357	Nut, Hex Nylock M6 x 1.0	4

User Guide

To use the Tire Storage Rack:

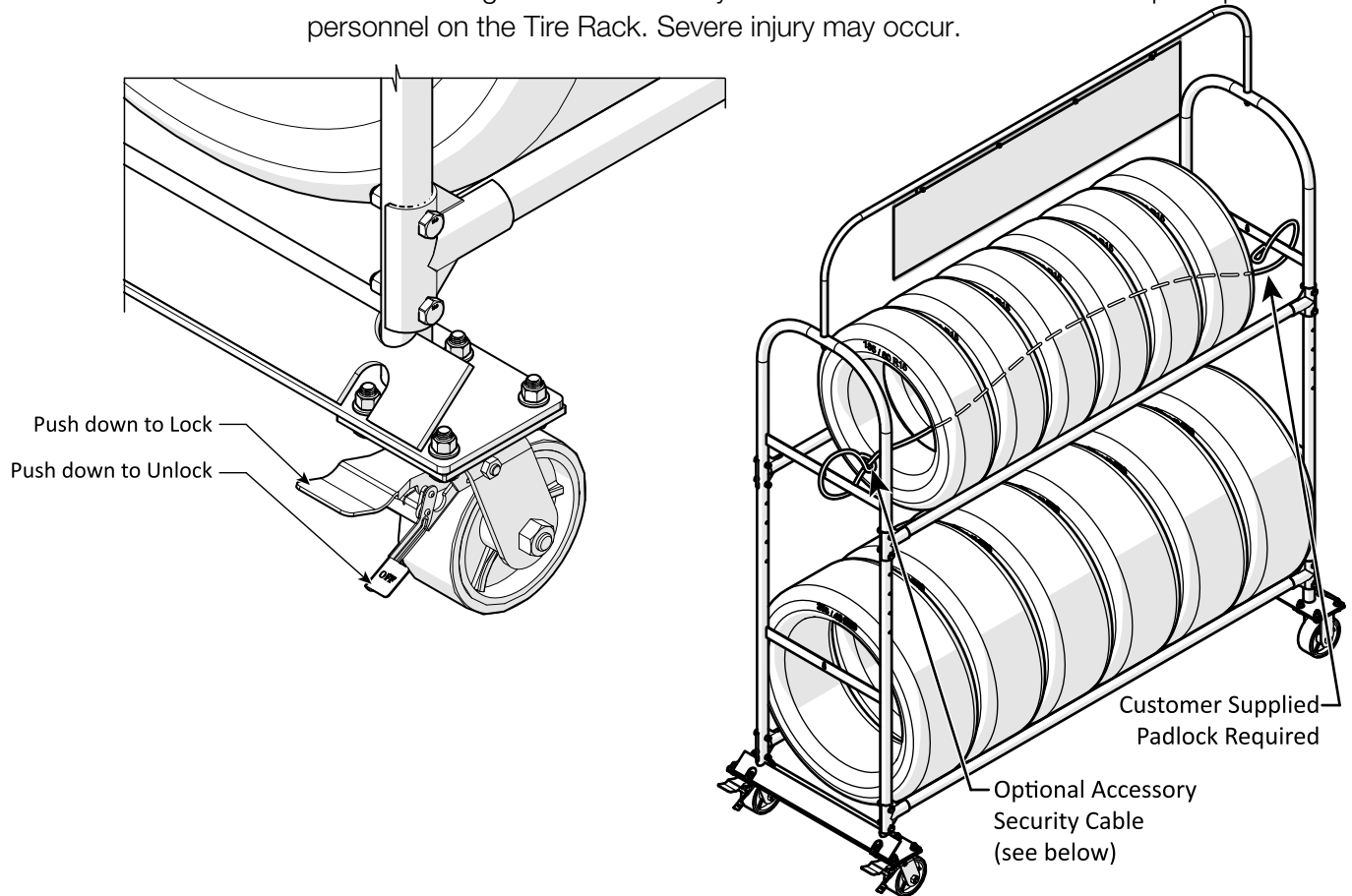
Carefully Lift the Tires and Wheels onto the Tire Rack. Never drop wheels onto the Tire Rack. Evenly distribute heavy loads on the Tire Storage Rack.

⚠ WARNING Always lock the Casters before loading or removing products.

⚠ WARNING Tires and Wheels are heavy. Always bend at the knees and hips, keeping the back straight while lifting to avoid muscle strain and back injuries. Seek assistance, if needed, when lifting large heavy wheels and tires.

⚠ WARNING Never exceed the maximum load rating of 551 lbs. (250kg)/tier.

⚠ WARNING The Tire Storage Rack is not a toy. Do not ride like a skateboard or push/pull personnel on the Tire Rack. Severe injury may occur.



Accessories



The Security Cable (5595850) is available as an option for the Tire Storage Rack. This Security Cable is a rugged, clear vinyl coated steel wire rope, .2 in. dia. x 94.5 in. (5 mm dia. x 2.4 m long), with loops at each end. Designed to secure Tires and Wheels on the Storage Rack with a customer supplied padlock.

Labels and Signs



Maintenance

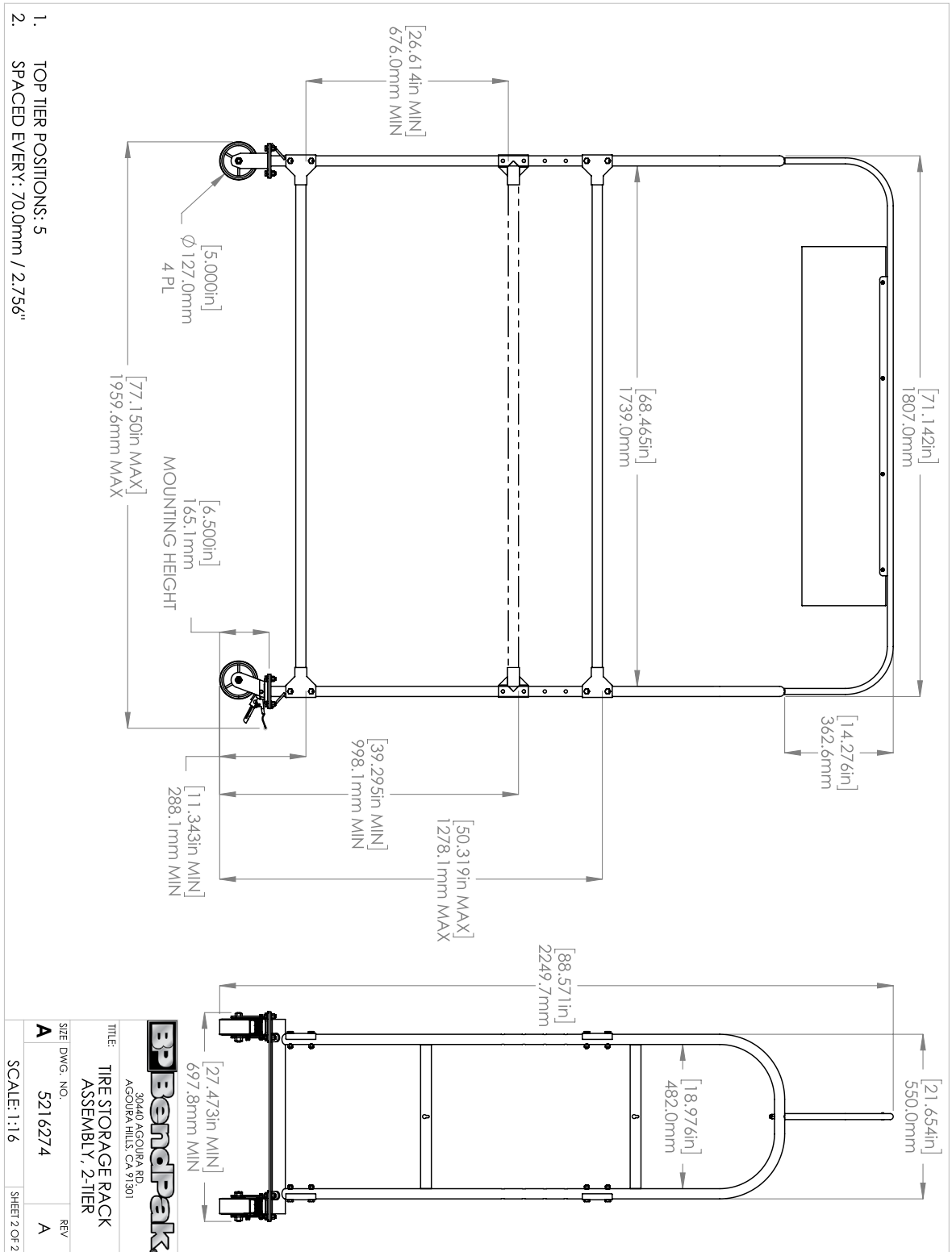
If any worn or broken components are found, take the unit out of service, and arrange for repair.

To maintain the Tire Storage Rack:

- Keep the Tire Rack clean and free of debris and dirt.
- All exposed surfaces may be brushed clean and then wiped with a weak solution of soap and water to remove grease and oil. Wipe dry or allow to air dry before using. **Do not clean the Tire Rack with caustic or volatile fluids.** These Fluids could cause damage to the equipment and personal injury.
- Check the Cross Bars and Upright Frames for damage and wear. Replace as required.
- Check Casters and Brackets for damage and wear. Replace as required.
- Regularly check all fasteners to verify they are tight.

If you need further assistance with the Tire Storage Rack, please contact your dealer, visit rangerproducts.com/support/, or call **(805) 933-9970**, then follow the prompts to reach the Support Department.

Outline Drawing



Ranger[®]

30440 Agoura Road
Agoura Hills, CA 91301 USA
rangerproducts.com