

Bear Bones Systems Tire Pick Sport Bike Rack User's Manual

Bear-Bones.com

Patents Pending

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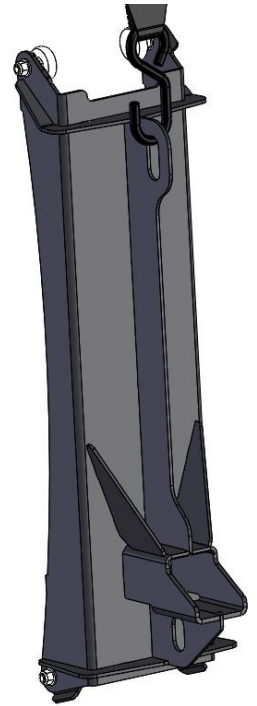
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WARNING

Please read and understand the information in this User's Manual to help avoid possible damage, injury or death that could result from failure to follow these instructions and heed these warning.

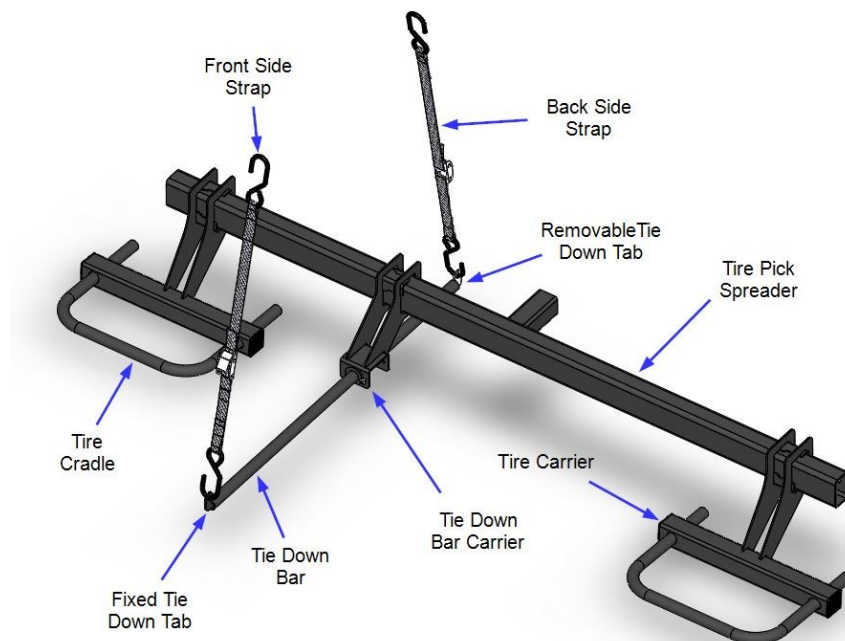
1. TIRE PICK RACK INTRODUCTION

Thank you for purchasing a Tire Pick Sport Bike Rack a part of the Bear Bones System's family of products. The Tire Pick Rack is intended to be used to lift sport bike motorcycles for storage or display. It may also be used to lift other types of motorcycles as appropriate. The Tire Pick Rack must be used in conjunction with the Bear Bones Heavy Lift Carriage shown here →.



2. SAFETY

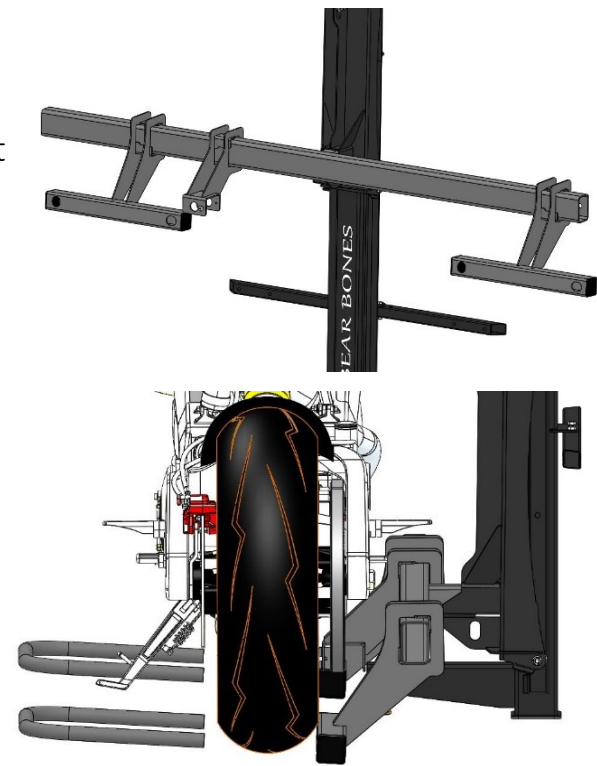
- 2.1. Never place your body beneath a suspended load.
- 2.2. Never exceed the weight capacity of the Tire Pick Rack which is 600 lbs.
- 2.3. Be aware of the general envelope of the bike being lifted to avoid collisions with surrounding items or ceilings.



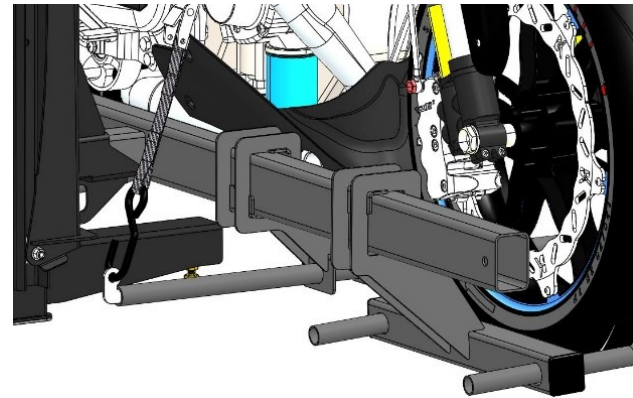
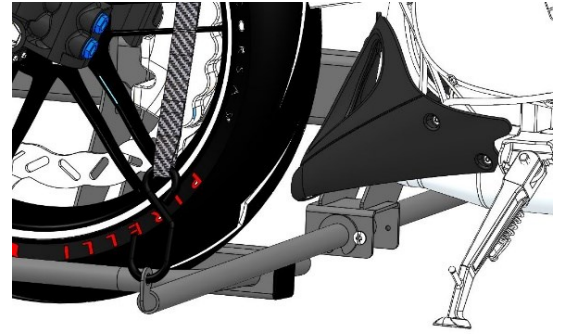
Tire Pick Rack Components

3. USING THE TIRE PICK RACK

1. Before loading the Tire Pick Rack you need to determine or estimate the center of mass of the bike to be loaded. This can be done precisely by placing a board of sufficient strength on a fulcrum such as a dowel or small diameter pipe on a level surface. Then roll the bike onto the board and find the balance point. The center of gravity can typically be assumed to be near the center of the engine on a typical motorcycle.
2. Next measure and note the axle to axle distance of the bike and determine and note the distance from the front axle to the center of mass. The center of mass should be positioned directly in front of the Minimalift column when the bike is loaded in a later step.
3. Insert the Tire Pick Spreader Bar horizontally into the carriage receiver and slide the 3 carriers over the ends with the Tie Down Bar Carrier in middle position and all three extending forward.
(Tip: The Tire Carriers are designed to resist rotation from a force pushing them down. To easily slide them along the Tire Pick Spreader lift them a little to relieve the bind.) Position the center of the front Tire Carrier the distance from the center of the column that was determined previously as the distance from front axle to the center of mass and then position the rear Tire Carrier at the axle to axle distance from the front Tire Carrier.
4. Next, using the pendant, lower the carriage until the Tire Carriers touch the floor. Now move the bike into position with the tires sides very close to the Tire Carriers and the axles aligned with the center of each carrier. Then insert the Tire Cradles around the tires and into the Tire Carriers.



5. Now position the Tie Down Bar Carrier approximately below the handle bars or the tie down points of your choice on the bike. Insert the Tie Down Bar into its carrier until the screw head passes through the gap in the ring and rotate so that the Fixed Tie Down Tab is up. Next attach the straps to the tie down points on the bike and insert the Removable Tie Down Tab into the backside of the Tie Down Tube.



6. Tighten the straps using the following technique. The tie down bar carrier is designed to resist rotation from a force that lifts it up. To tighten the straps, first tip the bike away from the wall a few degrees and pull the slack out of the Front Side Strap, then raise the bike to vertical and pull the slack out of the Back Side Strap. This should compress the forks enough to tension the straps and support the bike vertically. If not, try again.
7. Lift the bike off the floor just a bit, verify that the Removable Tie Down Tab is still fully engaged in the Tie Down Tube and verify stability of the bike before continuing to raise.
8. When removing the bike, lower it to the floor and loosen the back side strap first.

4. CAPACITY

The Tire Pick rack is rated for 600 lbs

Max length from center of mass to front axle 33.5"

Max wheelbase 67"