

# TUMBLEWEED

## TUMBLEWEED RACK INSTALLATION

Thank you for purchasing a Tumbleweed Rack!

Cycling can be dangerous. Bicycle products should be installed and serviced by a professional mechanic. Never modify your bicycle or accessories. Read and follow all product instructions and warnings including information on the product website. Inspect your bicycle before every ride. Always wear a helmet.

**WARNING:** Do not overload the rack. Doing so will void the warranty and may result in damage or failure of the material and possible serious injury. Maximum capacity of the T Rack is 30lbs with the load centered over the platform, Pannier Rack capacity is 45lbs. Do not carry a load overhanging the edge of the rack platform.

Always check for adequate clearance between the tire and any accessory mounted to the bicycle frame and fork.

- **Regularly check the tightness of rack bolts and hardware, these can work loose over time, especially in the first few rides after installation!**
- Do not carry any live cargo (i.e. pets, humans).
- Bicycle steering and braking may behave differently with a loaded rack.
- Position reflectors and lights so that they are not obscured when rack is loaded.
- Evenly distribute weight on both sides of this rack.
- An improperly modified rack can cause you to lose control and fall.
- NEVER MODIFY YOUR RACK OUTSIDE OF THESE INSTRUCTIONS

## INSTALLATION INSTRUCTIONS

### Compatibility

The Pannier and T-Rack are compatible with Tumbleweed frames and forks, and are designed to work with other frames and forks that have appropriate mounting points. Confirm that your frame is suitable prior to installing any Tumbleweed components or accessories. Never modify your bicycle frame or fork. If you are uncertain, please consult the manufacturer of your bicycle or bring it to your local bike shop to assess compatibility.

Your frame should be equipped with threaded rack mounts at the dropouts and upper seatstays. Our racks are designed to be mounted on frames and forks with dropout widths between 100-148mm. Fatbike frames with dropouts wider than 148mm are not compatible with our racks. Some frames do not have threaded mounts at the seatstays, and a seat clamp with integrated rack mounts can be used. To mount Tumbleweed racks to a fork, the fork must be equipped with threaded rack mounts near the dropout as well as a pair of threaded rack mounts at the fork crown. Tumbleweed racks do not come with hardware for mounting to a central fork crown hole.

### Tools Needed

- 4mm hex key
- Grease or Anti Seize
- M5x0.8mm tap to clean threaded rack mounts
- Hacksaw to cut rack struts if necessary
- Torque wrench that measures in Nm
- Carpenter's level
- 10mm wrench

### **Hardware Included**

- (6) M5x10mm socket head cap screw (for triple mount bosses)
- (4) M5x20mm socket head cap screw (for rack mounting to frame/fork)
- (2) Clamps for attaching struts to rack platform with concave washer, split washer and 10mm nylock hex nut
- (2) 350mm solid aluminum straight struts w/end caps
- (2) 350mm solid aluminum offset struts w/end caps

### **Assembly Instructions**

1. Start with a clean workspace, and lay out included hardware and required tools. Position the rack, upside down, on your work surface, drip or spray Boeshield T9 or other rust inhibitor to the inside of the rack tubes (through the vent holes) as desired.
2. Grease (or apply Anti Seize for titanium racks) and install the six M5x10mm accessory bolts (three on each side) of the rack to 5Nm.
3. Attach the black/silver strut clamps to the underside of the rack platform on the slotted plate and insert the aluminum struts into the clamps.
4. Position the rack in the desired position on the bike (front or rear) and attach the rack with M5x20mm bolts at the upper and lower threaded rack mounts, do so with ~1nm of torque and place bicycle on the ground – do not ride.
5. Adjust the struts at the clamp to rotate the rack forward and backward, use the carpenter's level to position the rack platform parallel with the ground. The rack struts are made of solid aluminum and are intended to be cut to fit if necessary. Measure the strut length and be sure to leave enough extra material for the end cap to be installed over the cut end of the strut once the rack is fully installed. We recommend leaving 25mm past the end of the clamp.
6. Once final rack fitment is completed, set the torque on the strut clamp hex nut to 6Nm on the sides and 6Nm on the M5 bolt on top of the rack platform. The upper and lower rack mount hardware should be tightened to 6Nm.

### **Ongoing Maintenance:**

**Rack hardware can loosen after installation, it is critical to check the tightness of all nuts and bolts regularly, if you do not do this there is a risk of serious injury or death.**

## How-to section:

### “How to load a Tumbleweed rack”

Weight on top of the rack should be evenly distributed with the center of mass located at or near the center of the deck. Strongly biased weight hanging off the end of the rack can cause your bicycle to handle dangerously and may damage the rack. Max overall load for the T rack is 30lbs, and 45lbs for the Pannier rack.

Triple mounts on the vertical struts are intended for water bottle and cargo cages. Do not exceed the side load weight limit or the weight limits of the accessory manufacturer. We recommend symmetrical loads on each side not exceeding 2kg/4.4lbs.

Pannier racks are suitable for carrying side loads hung from the rack deck and supported by the two vertical legs. We recommend securing each bag by at least three points (two at the top, one at the bottom, for example). Avoid mounting bags that may make contact with the wheel.

Two threaded M6x1.0 mounting points on either side of the rack platform can be used to attach a light; the “Tumbleweed” faceplates feature two 5mm mounting holes 50mm apart for light attachments. These three locations are intended for small/lightweight accessories and are not cargo mounting points. (lb <1.0)

# TUMBLEWEED

## TUMBLEWEED LIMITED WARRANTY

This Tumbleweed rack is warranted against defects in materials and workmanship for three years from the date of retail purchase of the product, subject to the limitations detailed below. This warranty does NOT cover the following:

- Damage due to improper assembly or follow-up maintenance or lack of skill, competence or experience of the user or assembler
- Products that have been modified, neglected, used in competition or for commercial purposes, misused or abused, involved in accidents or anything other than normal use
- Installation of components, parts or accessories not originally intended for or compatible with bicycle as sold
- Damage or deterioration to the paint, surface finish, aesthetics or appearance of the product
- Normal wear and tear
- Labor required to remove and/or refit and re-adjust the product within the bicycle assembly

This limited warranty is expressly limited to the repair or replacement of a defective product, at the option of Tumbleweed, and is the sole remedy of the warranty. This limited warranty applies only to the original purchaser of the Tumbleweed product and is not transferable. This warranty applies only to products purchased through an authorized dealer or distributor. In no event shall Tumbleweed be liable for any loss, inconvenience or damage, whether direct, incidental, consequential, or otherwise resulting from breach of any

express or implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise with respect to our products except as set forth herein.

This limited warranty gives the consumer specific legal rights, and those rights and other rights may vary from place to place. This limited warranty does not affect your statutory rights.

TO THE EXTENT NOT PROHIBITED BY LAW, THESE WARRANTIES ARE EXCLUSIVE AND THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.