



Alpaca Carriers, Inc. manufactures multi-purpose carriers or racks in Kimball, Minnesota. The carriers feature a patented system of pins that can be easily relocated on a frame along with our patented Alpaca Cinch™, a fastening system that self adjusts to articles of any shape or size, making our carriers very versatile, and easy to use.



**2 Tadpoles
or 2 Tandems
2 inch Hitch**



**1 Tadpole
& 2 Bikes
2 Inch
Hitch**



**2 Bikes
2 Inch
Hitch**

1500 2TADPOLE 2

1500 1TADPOLE 2

Alpaca Trike & Bike Carriers™

**We have a carrier line designed to
carry a combination of trikes & bikes.**

Alpaca Carriers, Inc.

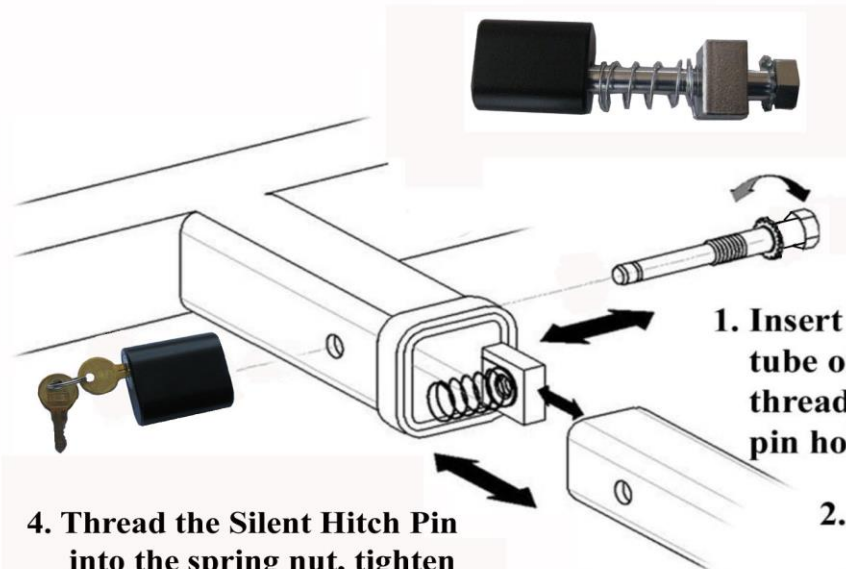
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**Protected by US Patent
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(OPTIONAL) Silent Hitch Pin Lock Assembly & Use



3. Place the lock washer on the Silent Hitch Pin and insert it through the hole in the receiver as shown.

1. Insert the spring nut into the support tube of the carrier. Make sure the nut threads are in alignment with the shank pin hole.

2. Slide the support tube with the spring nut installed into the hitch receiver and align the support tube pin hole with the hitch receiver pin hole.

4. Thread the Silent Hitch Pin into the spring nut, tighten firmly with a wrench for proper function. Attach the lock.

(OPTIONAL) Anti-Sway Device Assembly & Use

Slide U-Bolt through the slotted holes in the compression plate as shown.



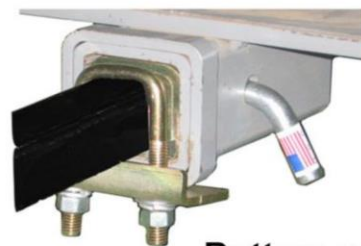
Put flat washer, lock washer and nut on each side of U-bolt.



The anti-sway device is used to tighten the support tube against the receiver hitch reducing sway and rattle. This will work with any 1 1/4 or 2-inch receiver hitch, ball mount or rack. It can be used on the side or bottom of the hitch. Specify the hitch and support tube size and we will furnish the correct U-bolt.



Side use



Bottom use

Assembling the Tadpole Carrier

Attach spring buckle strap to side slot of the rear tire holder. Put screws through holes in rear tire holder as shown, put nuts on screws, slide tire holder over support tube to desired position as shown in photo. Do not over tighten screws.

Insert the support tube into your receiver hitch, align hole in receiver hitch with hole in support tube, insert hitch pin through the hole, slide hitch pin clip into hole in hitch pin. If you purchased the silent hitch pin lock as recommended, it replaces the hitch pin.

Silent Hitch
Pin Lock



Anti-Sway
Device

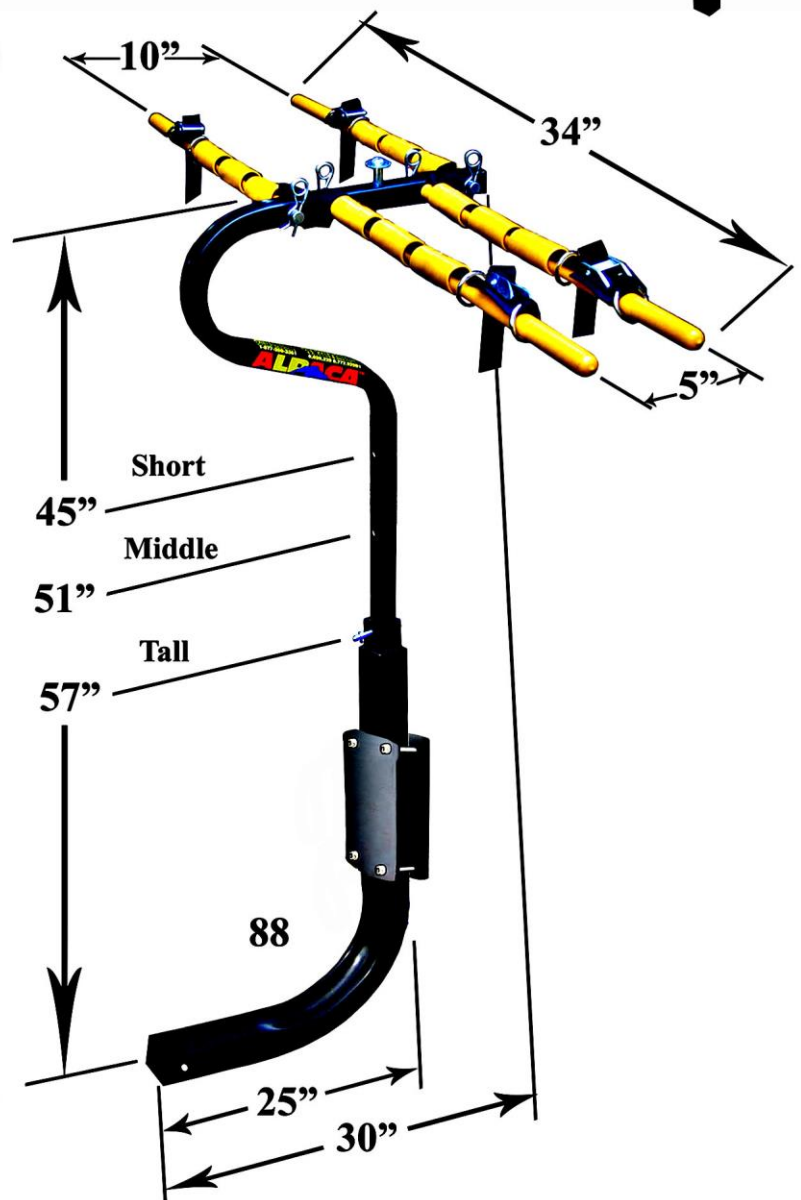


Wiggle the top of the carrier, if there is too much movement within the hitch the optional silent hitch pin lock or anti-sway device will reduce this movement. We recommend the silent hitch pin lock in this situation.

Warning: When loaded, the carrier will exceed the height of most vehicles. Do not go where there is not enough clearance.

Warning: Remove luggage bags from trikes before transporting.

Slide the tadpole frame top into the coupling on the tadpole support tube to the desired setting as shown below, align holes, use the 3/8-16 X 2.25 inch grade 5 bolt, a washer on each side & nylon lock nut provided to tighten the connection. A long shackle padlock can be used to attach straps or provide a loop for a cable lock.



Attaching Pins to Alpaca Trike & Bike Racks

Go to www.alpacacarriers.com and watch the videos. The frames and some components on Alpaca Racks will differ to accommodate different items, hitches and vehicles, but the racks are based on the same system of pins and cinches. The combination of videos will help understand how to use the Alpaca Racks. The video Attaching Pins & Cinches to the Alpaca 1700 Road Trip Adventure Rack demonstrates how to attach a through pin and a cinch to a rack with no strap clip.

Through Pin 36



These pins are used for loads when two 5-inch or two 10-inch pin spacings are needed. One sleeve can be slid on the pin as pictured above, then the pin is slid through the desired hole in the frame top before the second sleeve is slid onto the other side of the pin. The sleeves hold the pins in place.

If you hold onto the sleeve at the location of the steel pin it will not slide on, push the sleeve from the end. To remove the sleeve pull it against the hole from the opposite side.

The same material is used on the other pins and spacers, but it is not binded to the pin. The sleeves, are easy and inexpensive to replace. They will not be as durable if cut with a sharp object. The sleeve may move slightly in warm conditions, but will be difficult to remove when temperatures are below 60 degrees.

One of these pins can be used with two of the standard pins to create a different combination of spacings if necessary, however these pins are 1.5 inches longer.



Carrier Pin 18

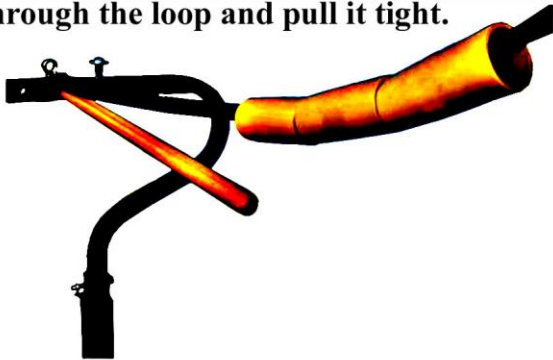


Slide pins through the desired holes from the preferred direction, insert double loop hitch pin clips into the grooves in the pins.

Attaching Alpaca Cinch™ to Trike & Bike Carriers

Go to www.alpacacarriers.com and watch the videos. The frames and some components on Alpaca Racks will differ to accommodate different items, hitches and vehicles, but the racks are based on the same system of pins and cinches. The combination of videos will help understand how to use the Alpaca Racks. The video Attaching Pins & Cinches to the Alpaca 1700 Road Trip Adventure Rack demonstrates how to attach a through pin and a cinch to a rack with no strap clip.

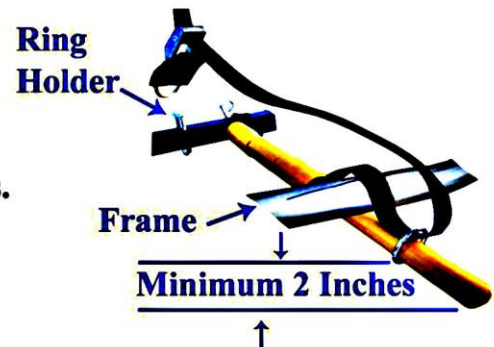
Slide the loop on the end of the strap over the pin and against the carrier frame, run the other end of the strap around the carrier frame from the bottom so the strap is on the side of the pin toward the center of the rack between the double loop hitch pin clip and the frame. Take the end without the loop, run it through the loop and pull it tight.



The desired number of spacers are slid over the end of the strap to space the trike from the carrier frame and other trike. With delta trikes start with two spacer/pin on the top pins and three spacers/pin on the bottom pins. Make the necessary adjustments after you try the trikes on the carrier.

Then slide the spacers over the end of the pin. They hold the strap close to the pin and the trike at the desired location on the pins. The spacers remain on the pin. Slide a steel ring onto the strap.

Press the clasp on the cam-buckle, slide the end of the strap through the opening from the bottom as shown and let go of the clasp. The cinch is ready to use. Repeat the process for the other cinches.



After the carrier is set up with the desired number of spacers and the buckle is attached to the strap as shown, the carrier is ready to load.

The cinch is quick and easy to use. Load the trike or bike, run the strap over the frame, slide the ring over the end of the pin to the frame, pull the strap tight, run the strap back over the frame, hook the ring on the short strap with the cambuckle over the ring holder and tighten the strap. Repeat for all cinches. This method of cinching will hold the trike or bike very secure and can be used for other items. The pin must extend at least 2-inches past the last ring and the strap must be tight enough so the last ring or spacer cannot slide off the end of the pin for the item to be secure.

Using the Alpaca Cinch™ with Trikes & Bikes

Load the trike or bike, run the strap over the frame, slide the ring over the end of the pin to the frame, pull the strap tight, run the strap back over the frame, hook the ring on the short strap with the cambuckle over the ring holder and tighten the strap. Repeat with all cinches. This method of cinching can be used for all item.



A bike can be carried with a trike.

There may be situations when it is easier or better to use the cinching method shown bottom right picture. There is no right or wrong method. Every load is different. This carrier is built to last. Like a trailer if you can stay within the vehicle, hitch and carrier load limits and secure the item to the carrier you can carry it. If you feel an extra strap is necessary for your load use it.



In the cutaway view on the delta rear tire notice how a spacer is used to prevent the ring from touching paint if necessary.

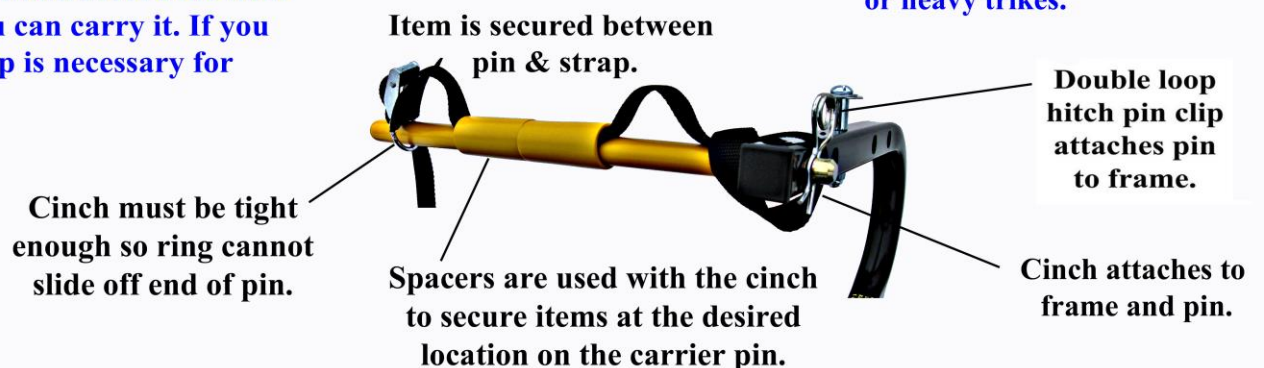
When carried with a delta trike the rear tire of the tadpole trike is secured to the delta attachment with the spring buckle strap provided.



Do not carry a single large heavy trike as pictured above. This works fine with small light trikes.



This centered approach is a better way to transport a single large trike. With the load centered there will be less stress on the vehicle, hitch and rack. Use 'vehicle to carrier' straps with large or heavy trikes.

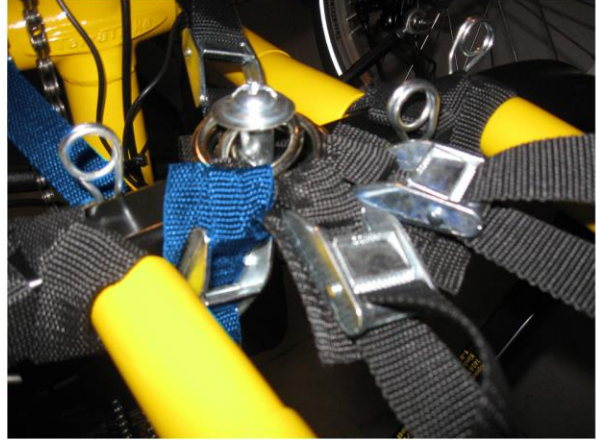


Cinch Possibilities.

Go to www.alpacacarriers.com. Watch the videos to learn how the cinch works. The pictures show variations of the cinch that will help in some situations.



The method used in most situations. Steel ring goes over end of pin, tight against object, strap takes direct path to ring holder, ring on end of strap placed over ring holder and strap is tightened.



Run the last strap (the blue one in this picture) under the frame, then hook the ring over the ring holder, when pulled tight all rings are secure to the ring holder.



Hooking the ring so the buckle faces down makes the strap easier to reach for tightening high loads.



When it is too difficult to get back to the ring holder go over the end of the pin.

Do not get hung up on the idea that everything needs to be done a certain way. The load dictates what you do. The difference between our cinch and a strap used to secure an item to a trailer, the ring has infinite adjustment on the pin, forcing the strap to perfectly conform to the item carried, making it much more secure. Choose the straightest return path to the ring holder for the strap that avoids the obstacles and tightens the bikes to the carrier. Sometimes it is better to hook the ring over the end of the pin. A simple adjustment or change can make a huge difference, especially on larger loads. People do different things to adapt the carrier to their particular situation. You are responsible for your load, do what works for you. If you intend to carry multiple items on a set of pins, go to www.alpacacarriers.com; Alpaca Compact Carrier; Using the Cinch.

Warning: This carrier has been designed to carry trikes & bikes on vehicle receiver hitches. User must inspect components for tightness, wear, deformation, cracks or elongation before each use. It is the user's responsibility to attach the carrier correctly to the vehicle, and secure the articles to the carrier. The manufacturer and seller expressly disclaim any and all liability for personal injury, property damage, or loss whether direct, indirect or incidental, resulting from the incorrect attachment, improper use, inadequate maintenance, or neglect of the carrier.

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LIMITED WARRANTY

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