



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.



Alpaca Carriers, Inc.
14087 State Hwy 15
Kimball, MN 55353

Carry bicycles, skis, snowboards and more.

Alpaca 1600 Compact Adaptable Rack™

Alpaca 1600 Piggyback Rack™

Protected by US Patent
#6,772,929 B1

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Alpaca 1600 Series Compact Racks

Go to www.alpacacarriers.com and watch the videos. No videos are specific to the 1600 Compact Racks, they are a smaller variation of the 1700 Road Trip Adventure Rack, using pins, cinches and ring holders similar to the 1500 Tadpole Racks. The videos available will demonstrate the necessary information to use these racks.



The 1600 Series Compact Racks feature a frame that accommodates two 5/8 inch vinyl coated pins, with 20 inches of usable length. These racks can carry two or three bikes depending on the width and spacing of the bikes. They can also accommodate skis, snowboards and other items. The model of the 1600 Compact Rack Series to choose is determined by vehicle, hitch size and items carried.

Alpaca 1600 Compact Adaptable Rack™

**Class II
300 LB TW
1.25" Hitch**

&

**1.25"-2" Receiver
Hitch Adapter
or
1.25"-2" Hitch
Riser Adapter**

**Class III
350 LB TW
2" Hitch**

The 1600 Compact Adaptable Rack carries the load as close to the vehicle as possible on vehicles with Class III or larger 2 inch hitches. A 1.25" to 2" adapter can be purchased to adapt this rack to a Class II, 300 pound TW 1.25 inch hitch. A 1.25" to 2" Hitch Riser Adapter can be used if there are ground clearance issues. Class I hitches are rated as a two bike rack hitch. Do not exceed the capacity of the vehicle, hitch or rack.



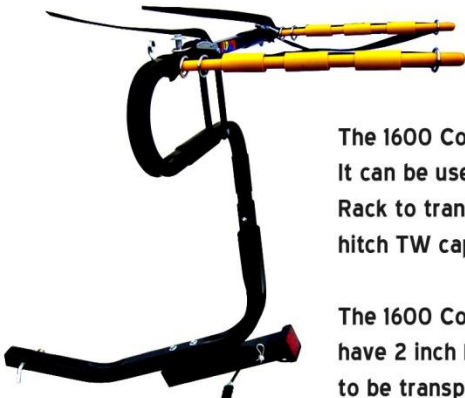
Distinguishing
Part

Alpaca 1600 Compact Piggyback Rack™

**Class III
350 LB TW
2" Hitch**

The 1600 Compact Piggyback Rack is designed for vehicles with 2 inch hitches. It can be used with a Dual Hitch Riser and the 1500 2 Long Tadpoles Adaptable Rack to transport two Tadpole Trikes and two bikes. Do not exceed 65% of the hitch TW capacity.

The 1600 Compact Piggyback Rack can be used with pick-ups or SUVs that have 2 inch hitches for better rear door access when only 2-3 light bikes need to be transported. This rack includes an attachment for a tail light. The tail light and dual hitch adapter are not included with the rack. It is the users responsibility to provide the necessary reflectors or flags to make their rack and load visible.

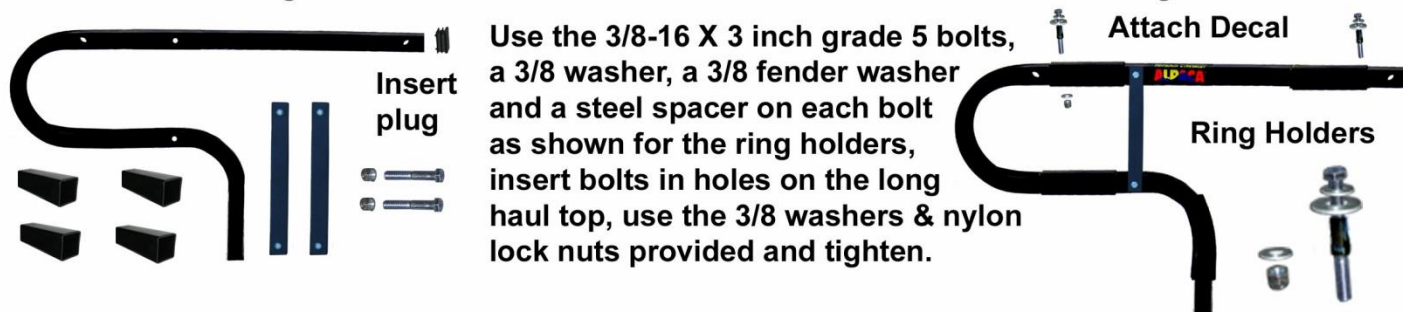


Distinguishing
Part

Assembling the 1600 Compact Carrier

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 racks. No videos are specific to the Compact Racks, some features may be different or not included on the racks, but the information provided in the videos can be applied to Alpaca Compact Racks.

The Alpaca 1600 Compact Rack is a smaller variation of the Alpaca 1700 Road Trip Adventure Rack. The videos on the website featuring the Road Trip Adventure Rack will teach how to use this rack. The videos featuring the 1500 Trike & Bike Racks demonstrate how to use the ring holders.



Wet inside of vinyl sleeves with water and slide them to the desired locations on the long haul top. If sleeve needs to be moved get water between sleeve and frame then slide sleeve to desired position.

Attach braces to rack, a pipe clamp may be needed to align holes, use the 3/8-16 X 2.25 inch grade 5 bolts, & nylon lock nuts provided to tighten.

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.

Slide the 1600 compact frame top into the coupling on the selected 1600 compact support tube, 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.

Bolt the Light Connector to the Piggyback Load Support Tube as shown. Use the 3/8-16 X 5 inch grade 5 bolt, a washer on each side & nylon lock nut provided.

Attaching Pins & Alpaca Cinches™ to Alpaca 1600 Compact Rack

Slide pins through the holes, insert double loop hitch pin clips into the groove in the pins.



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.

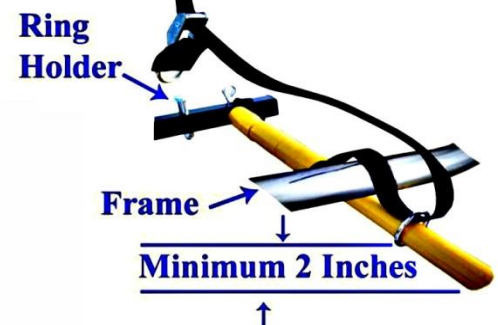
Slide the desired number of rings or spacers onto the cinch strap for the intended load.



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. Repeat the process for the other cinch.

After the cinch is set up with the desired number of rings and 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 item, run the strap over the item, slide a ring or spacer over the end of the pin to the item and pull the strap tight, repeat for the other cinch, load the next item, repeat the process for each item loaded, after the last item is loaded run the strap back over all items, hook the ring on the short strap with the cambuckle over the ring holder and tighten the strap. Repeat for the other cinch. This method of cinching will hold the item secure to the pin. 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.



**This is a sample of items the Alpaca 1600 Compact Rack can carry.
The number of items that fit on the rack is determined by the combination of items.**



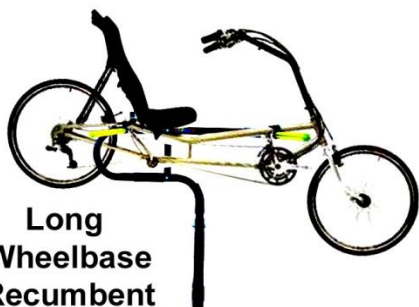
Bicycles



Unique Frame Bicycles



Fat Tire Bicycles



**Long
Wheelbase
Recumbent**



**Long
Wheelbase
Recumbent**



Recumbent



Tandem



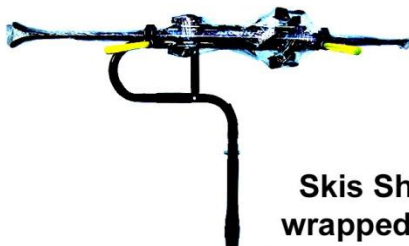
Child Bicycles



Snowboard



Skis



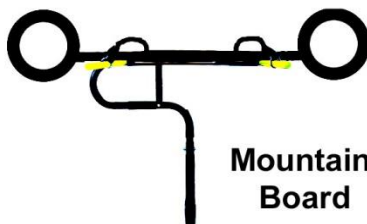
**Skis Shrink
wrapped or in
Protective Bags**



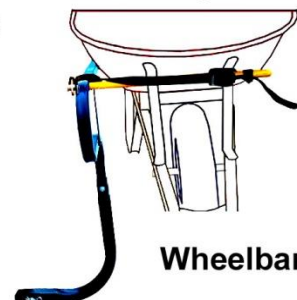
**Cross
Country
Skis**



Ladder



**Mountain
Board**



Wheelbarrow

CAUTIONS ON LOADING

1. Load larger, heavier items first.
2. It is best to carry the bicycles as close to the vehicle as possible. This will reduce stress on the hitch and vehicle.
3. Tighten strap securely, so the last ring cannot slide off the end of pin.
4. Fasten articles securely to the carrier.
5. Taillights must be visible.
6. Ensure the necessary clearance is given from the load to the ground.
7. Keep tires and articles away from vehicle exhaust.
8. Limit the load to 175 lbs with 2 inch hitches, 150 lbs with 300 lb tongue weight Class II hitches and 100 lbs with the smaller 200 lb tongue weight rated Class I hitches.
9. If towing and carrying items make sure there is enough distance between all vehicles and objects for turning. Also check these clearances on Inclines as are found on many approaches, and make any necessary adjustments.
10. Do not overload vehicle, hitch or carrier.

Warning: This carrier has been designed to carry many diverse articles 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.

Alpaca Carriers, Inc.

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Kimball, MN 55353

Toll free: 1-877-350-3361

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LIMITED WARRANTY

Alpaca Carriers, Inc. warrants this product to the first consumer to be free from defects in material and workmanship under normal use for a period of twelve (12) months from the date of purchase. Alpaca Carriers, Inc.'s sole responsibility under this warranty is limited to the repair or replacement of any defective part of such product. The cost of such replacement, including labor and parts, but excluding shipping, is the responsibility of Alpaca Carriers, Inc. This warranty is void if this product has been subject to any unauthorized modification, use with any unauthorized attachment, device or feature, accident, neglect, misuse, or any event other than ordinary use. Consumer must provide proof of purchase to validate warranty.

Alpaca Carriers, Inc. does not warrant the products of any third party manufacturer, which may be supplied with this product, and the purchaser agrees to look only to such third party for any warranty claim relating to such product. ALPACA CARRIERS, INC. LIMITED WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.