

**AUTOHAULER SUPPLY, LLC**

**A Compendium  
of E-track and E-track Wheel Strap Systems  
for Low-Profile Automobile Securement**

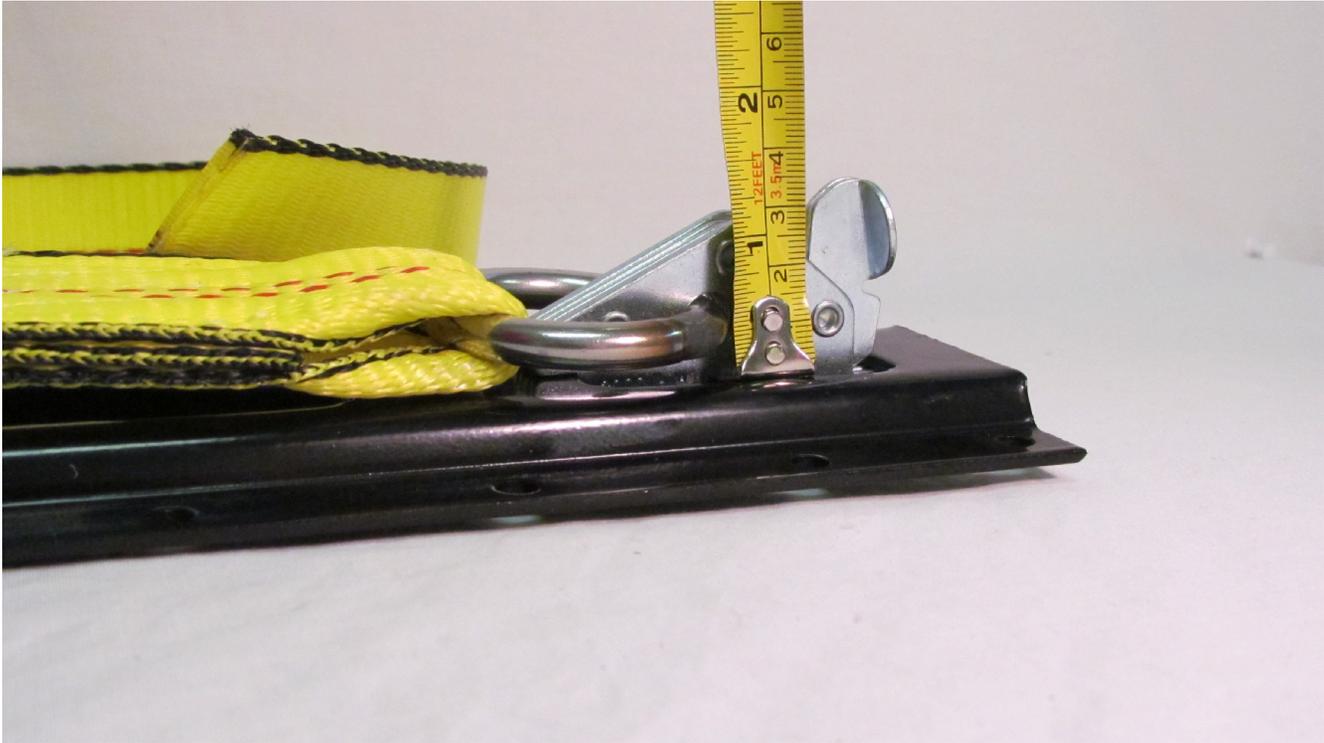
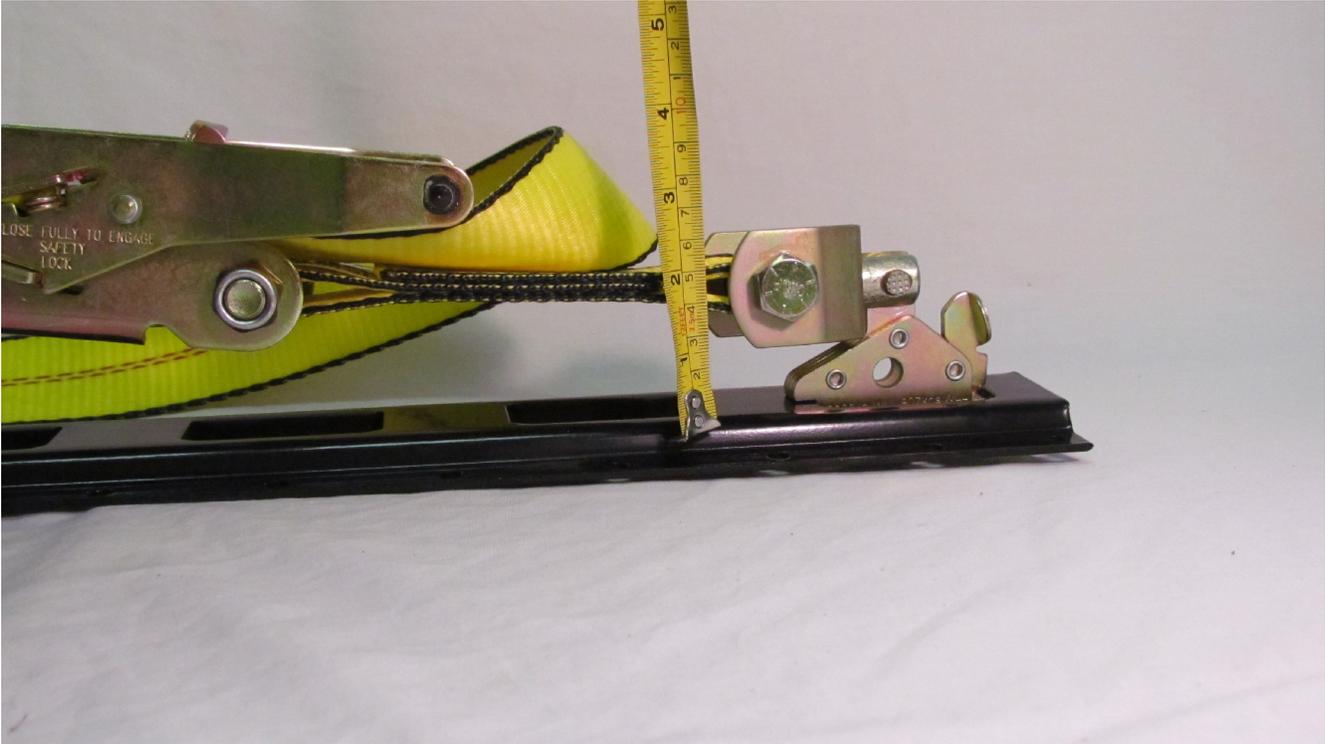
**Vertical E-Track  
Horizontal E-Track  
Wheel Straps  
Hardware  
Installation  
Usage**

**For more information, visit  
[WWW.AUTOHAULERSUPPLY.COM](http://WWW.AUTOHAULERSUPPLY.COM)**

**OR CALL**

**866-855-4285**

**Continually improving products for our customers.**



# E-Track Wheel Strap Guide

## Who are we?

First, a few words about Autohauler Supply. Got started back in 2004 selling three items on a one-page site I built myself in about 20 minutes on Go Daddy. Customers kept asking for different types of straps, hardware, chains, which we kept adding. After a while, the enclosed auto transport guys discovered us, and then things got really interesting. Over the years, we've worked closely with our customers to help solve their problems, and it's turned out to be the best way to come up with new products to sell!

## Where are we?

We're kind of everywhere and nowhere! We're based in Oregon, but our product ships out of fulfillment centers in Georgia, Indiana, Pennsylvania, and good old sunny Oregon.

Autohauler Supply sells the following E-Track products:

- Horizontal E Track Rails-- in both 5 and 10 foot sections
- Vertical E Track Rails-- in both 5 and 10 foot sections
- E-Track Hardware-- “Bull Ring” clips, low-pro horizontal idlers, swivel idlers and more
- E-Track Wheel Straps-- for both horizontal and vertical e-track
- Load Securement-- options for interior van, including load bars, logistics straps, ratchet straps, rope tie-offs, and more.

## Section 1 Vertical E-Track and Wheel Straps

**First, let's talk about what gets bolted to the floor of your trailer, the e-track itself.** If you have a choice, it's our opinion that vertical e-track is the best way to go for auto tie-down. The reason for this is the hardware we have to put on the wheel straps. If you put down vertical e-track, then we can build your wheel straps using the lowest profile hardware. What that means to you is a auto tie-down solution that gets you down as low to the floor as is humanly possible. If there is a lower profile solution than our vertical e-track wheel strap with flat-top d-ring idler, we haven't seen it!

Now, if you're going to put in vertical e-track, one way we've seen it done that makes a lot of sense to us is to put one row on one side of the trailer, and two rows on the other side. The idea behind this is to solve the “min-max” problem of differing wheelbase widths. Some companies will actually put in two rows on both side. (See picture below)



This trailer has double rows of vertical e-track on both sides!



Take a look at the types of cars you anticipate transporting and lay down your track accordingly. From what we've seen, 57 inches to 63 inches will be the majority of what you see, with 60 inches pretty much the "sweet spot". Here are some sample wheel base track widths to get you thinking:

- 50 inch: Morris Minor (ok, you probably won't have to transport too many of these, but we're treating this like a min-max problem, right?)
- 54 inch: Chevy S-10
- 57 inch: Mini Cooper, 1966 Ford Mustang
- 60 inch: Toyota Prius, Corvette, Pontiac GTO
- 63 inch: Chevelle 1968-1972
- 64 inch: Chevy Suburban

Wheelbase track width measures center of tire to center of tire. But don't take our word for it. If you have any questions about how wheelbase track width or wheelbase length, **the US government has actually published a 47 page manual on the proper methodologies for measuring wheel base.**

Available free for download here: [www.nhtsa.gov/DOT/NHTSA/Vehicle%20Safety/.../TP-537-01.pdf](http://www.nhtsa.gov/DOT/NHTSA/Vehicle%20Safety/.../TP-537-01.pdf)

(Wonder how many of your tax dollars it took to write that Magnum Opus?)

## Vertical E-Track:

Slots for the e-track connectors are lined up inline with the wheels, or like the lines on the road. This product is also sometimes known as "I Track".



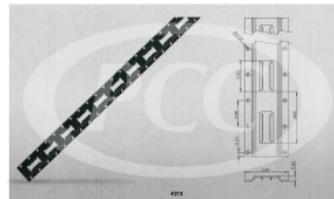
### E Track Vertical - Green - 5' Sections

SKU#: [PCC-4210-5-GRN](#)

Our Price: \$7.69

E Vertical Track, Painted (Green) - 5ft see additional images for the color The green e-track is being phased out, and we will only carry black and galvanized once the green is sold off!

Ships from OR

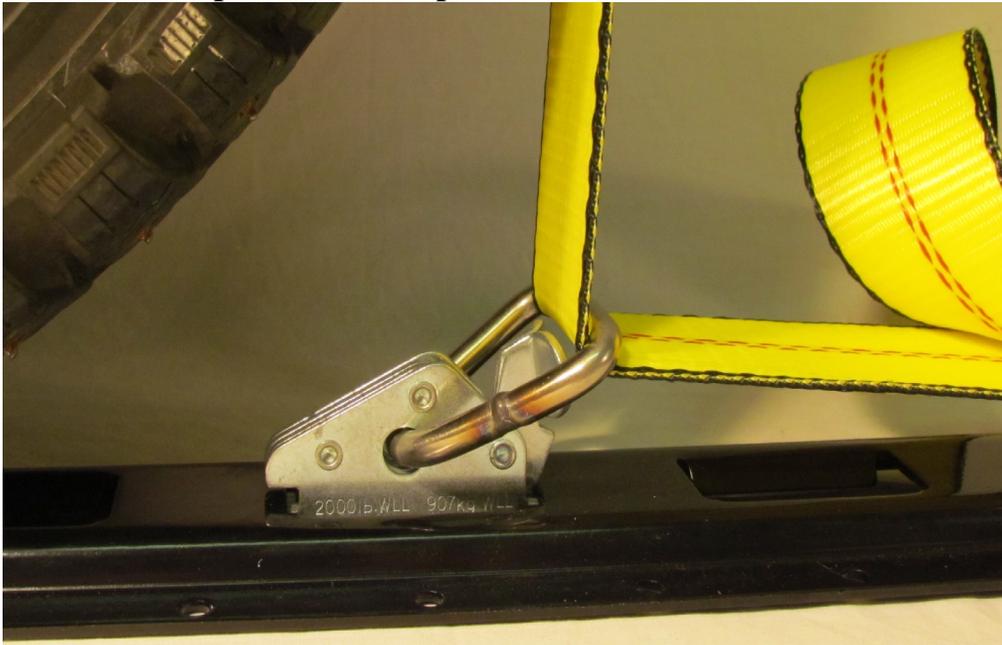


<a href="#">Galvanized 5'</a>	Ships from OR, GA	\$9.39
<a href="#">Black 5'</a>	Ships from OR, GA	\$8.30
<a href="#">Painted 5'</a>	Ships from IA	\$11.40
<a href="#">Black 10'</a>	Ships from OR, GA	\$15.74
<a href="#">Galvanized 10'</a>	Ships from OR	\$16.39

## E-Track Installation

Whether you are working with vertical e-track or horizontal e-track, the manufacturer recommends that you catch all the cross members with grade 8 bolts, and then wood screws (or self tappers) into every other hole, alternating.. so that if there is an empty hole on one side, there is a screw on the other.

### Vertical E-Track Strap with Flat Top Idler



When it comes to the wheel straps for Vertical E-Track, we sell a 9' version and a 10' version. Both have a 2,000lbs WLL

Stuff to consider about e-track and e-track wheel straps:

### **How strong are the vertical wheel strap assemblies?**

These straps are made out of strap material with 12,000 lb break strength, 6,000lbs break strength or more for the hardware. Strap assemblies are rated at 2,000lbs WLL. We calculate safe working load limit by take one third of the breaking strength of the weakest component used in the assembly. It's strange, but true-- the weakest component in a strap assembly is usually the steel hardware!

### **What makes our wheel straps different?**

Well, besides the destructive pull-testing, it is the little things... that make these straps have a lower profile and last longer. In other words, it's all about the idlers.

### **What is an idler? (We're glad you asked!)**

This is our new idler that we pioneered using, to make the straps last longer and slide easier through the idler. This will give you the lowest possible profile to work with low sports cars, and not wear the strap like the old round ring idlers can do. And yes, these are also available to purchase separately if you need some.

Our customers made it clear to us a long time ago that tall hardware and low-profile sports cars don't get along! Over the years, we've worked with hardware manufacturers and strap fabricators to come up with low-pro solutions to help you get as low as possible, without sacrificing strength or strap durability.

### [HEAVY DUTY E / A Spring Fitting w/ 2" D- Ring - 6000 lbs Break Strength](#)



**SKU: PCC-EFTG-2DR-6M**

### **Why do some of the e-track wheel strap assemblies cost more or less?**

Well, some stuff just costs more. There's more labor and materials involved in certain e-track hardware and wheel strap systems. We've included some pictures below of some of the common e-track hardware that gets sewn to the end of straps.



6M Ring Fitting, also known as “Bull Ring” E track clip. It has the highest weight rating available for an e-track fitting.



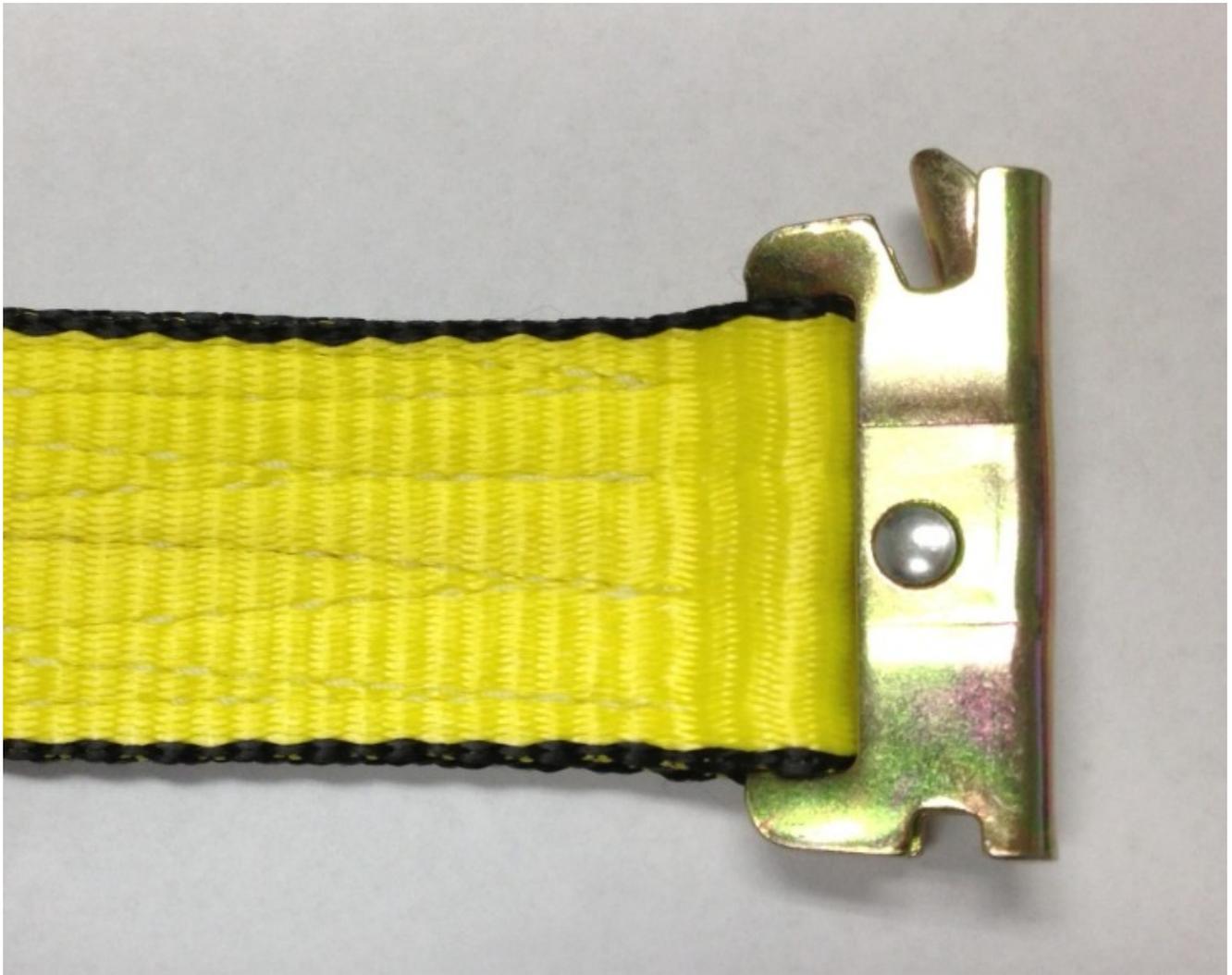
This is our Flat Top ring style e track fitting. It works great as an idler on our vertical e-track wheel straps. Based on the the bull ring style e-track fitting pictured above, this hardware has a 6,000 lb breaking strength. This allows us to have assemblies built with this sort of fitting be tagged at 2000 lbs safe working load limit. We take 1/3 of the breaking strength of the weakest part of an assembly. Since the two inch strap material is rated at 12,000 breaking strength, that means the challenge is to find the strongest hardware possible.



This is our new horizontal e-track idler. The bracket allows us to use the bull ring style fitting on horizontal e-track systems. The design allows for better securement of low-pro cars in trailers that have horizontal e-track. Assemblies made exclusively with this hardware are tagged at 2000 lb safe working load limit.



This is our new swivel e-track fitting, used in our universal e-track wheel straps. Because it swivels freely, it is equally at home in both vertical and horizontal e-track. Wheel straps made with this fitting are ideal for car hauling companies with “mixed trucks”, e.g., some trucks have vertical e-track and some have horizontal. This fitting has a 6,000 lb breaking strength, so wheel strap assemblies made with it are tagged with a safe working load limit of 2000 lbs.

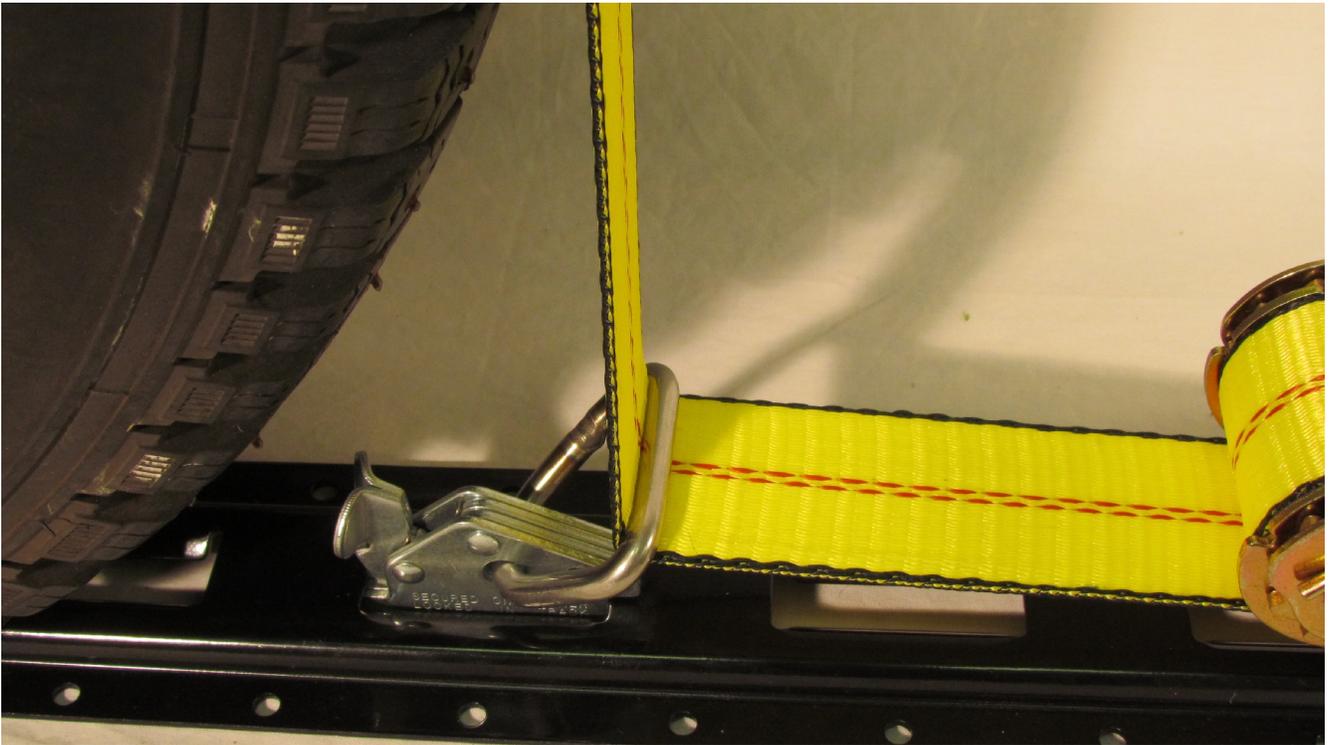


This is a light-duty e-track fitting. It is much cheaper than the hardware pictured above. This e-track hardware has a 3,000 lb break, so wheel strap assemblies built with this hardware are tagged with a safe working load limit of 1000 lbs. In addition to being lighter-duty and cheaper than the other hardware, it is also lower! If you are transporting light motor cars with low-profile issues, then a wheel strap built with this piece of hardware may be what you're looking for!



**This is a close-up of the swivel e-track idler, the hardware we use in our Universal E-Track Wheel Strap. It is equally at home in both vertical and horizontal e-track.**

## Vertical E-Track Wheel Straps



**Vertical E track Wheel Strap. 9 Ft w Flat Top Idler (NEW)**

**SKU#:** [PCC-EVSR209-V2](#)



**Our Price: \$28.99**

Wheel strap (9ft) to use with Vertical Style E-Track.

NOW with a D-Ring idler instead of the O-Ring, which will make the strap last longer. Also includes the ratchet, and three rubber tread grabs. Complete ready to use...

[Ships from OR](#)

**Vertical E track Wheel Strap. 10 Ft w Flat Top Idler (NEW)**

**SKU#:** [PCC-EVSR210-V2](#)

**Our Price: \$29.49**

Wheel strap (10ft) to use with Vertical Style E-Track.

NOW with a D-Ring idler instead of the O-Ring, which will make the strap last longer. Also includes the ratchet, and three rubber tread grabs. Complete ready to use...

[Ships from OR, GA](#)

## Horizontal E-Track:



**Galvanized**

**Painted**

### E Track Horizontal - Black - 5' Sections

SKU#: [PCC-4212-5](#)

Our Price: \$9.41

Black 5' section of horizontal e track.

[Ships from OR, GA, IN](#)



[5ft Horizontal Galvanized](#)  
[10ft Horizontal Galvanized](#)  
[10ft Horizontal Black](#)

[Ships from OR, IN](#)

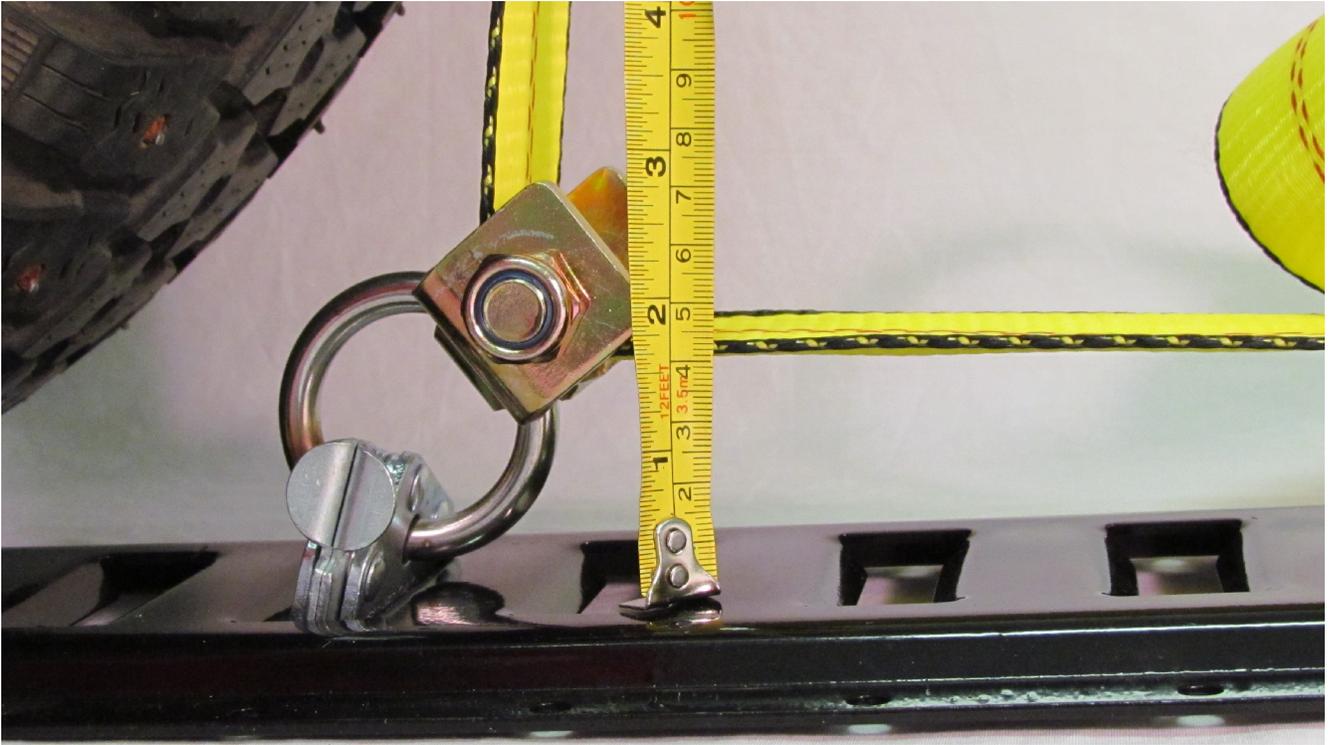
\$10.37

[Ships from OR, GA, IN](#)

\$20.07

[Ships from OR, GA, IN](#)

\$19.19



### **Horizontal E-Track Straps:**

**Our horizontal e-track straps use a better idler.**

For Horizontal E-Track, we have the best idler in the industry. We developed this idler to be the strongest and lowest profile roller idler available. We tried to break it, but gave up at over 6,500lbs of pull. Rated at 2,000lbs WLL.

[Horizontal E Track Roller Idler](#)



SKU: PCC-HE-2IDLR



**Heavy Duty Horizontal E track Car Tie Down Strap, 9' long, (low profile roller idler x3)**

SKU#: [PCC-EHSR209-V2-3ID](#)

**This is the one we recommend!**

**Our Price: \$36.45**

Our Premium Wheel strap for Horizontal style E-track...This car tie-down wheel strap has a roller idler for horizontal E-track behind the three rubber tread grabs. The Strap also uses these idlers on each end, to keep the strap flat and without twists. **2000 LB WLL**. This is one rugged E track strap.

[Ships from OR](#)

**Light Duty 9ft Wheel Strap for Horizontal E track w NEW Low Profile Roller Idler**

SKU#: [PCC-EHSR209-V2](#)



9ft Wheel Strap with fixed E track clip at the ends. Idler is our new Low Profile Roller Idler.(see pictures below) Three rubber tread grabbers to keep strap positioned on tire. Ratchet handle included. **1000 LB WLL** Choice of colors.

[Ships from OR](#)

## The Universal E-Track Wheel Strap with Swivel E-Track Idler



Works in both vertical e-track and horizontal e-track!



**This strap will work on both horizontal and vertical e-track!**

**Universal E track Wheel Strap 10ft w (Swivel Idler x3)**

**SKU#:** [PCC-ESR210-2SW](#)

**Our Price:** ~~\$39.16~~ **\$36.55**

Our Premium Wheel strap for for use on both Horizontal and Vertical style E-track (Also known as "I Track") This car tie-down wheel strap has three swivel e track idler behind the three rubber tread grabs. Tread Grabs held in place by 4 sewn stoppers. The Strap also uses these idlers on each end, to keep the strap flat and without twists. 2000 LB working load limit; safety factor of 3:1.

**Ships from OR**



## E-Track Basket Straps

### Adjustable Basket Strap for Vertical E-Track (O-Ring Style)

SKU#: [SP-ETRACKBASK](#)



**Our Price:** \$38.95

This bonnet-style strap is for vertical style e track. It is designed to eliminate kinks and twisting in strap to help give longer service life. Strap system is fully adjustable, this is what enables you to use this tie-down for Mini Coopers up to Hummers! 12,000lbs webbing. Safe WLL 2000lbs.

[Ships from PA](#)

### Adjustable Basket Strap for Horizontal E track.

SKU#: [SP-ETRACKIDLERSET](#)



**Our Price:** \$21.95

Adjustable basket wheel strap designed for horizontal E-track.

[Ships from PA](#)

**PAIR of Race Car Tire Bonnets to fit Horizontal E Track BLUE SKU: [SP-EBMUSEUMETRACK](#)**



**Our Price:** ~~\$74.95~~ **\$64.95**

Price is for a PAIR of straps top strap to fit up to 14 inch tread pad, front strap adjustable with e-track, lasso with loop and floater e-track, short short ratchet with short material and e-track.

**Ships from PA**

**Ratchet Handle with Vertical E-track clip**

**SKU#:** [PCC-RH-EVS](#)



**Our Price:** \$14.49

Featuring new Short-Wide handle. 10 inches of 12,000 LB webbing attaches vertical E-track clip to the bolt of the ratchet. 3000 lb working load limit, safety factor of 3:1.

**Ships from OR**

**Ratchet Handle with Horizontal E-track clip**

**SKU#:** [PCC-RH-EHS](#)



**Our Price:** \$11.95

Featuring new Short-Wide handle. 6 inches of 12,000 LB webbing attaches horizontal E-track clip to the bolt of the ratchet. 3000 lb working load limit, safety factor of 3:1.

**Ships from OR**

**HEAVY DUTY E / A Spring Fitting w/ 2" Circle Ring - 6000 lbs Break Strength**  
**SKU#: [PCC-EFTG-2CR-6M](#)**



**Our Price: \$5.28**  
Ships from OR, IN

**Auto tie-down strap with R J T Frame Hooks**  
**SKU#: [SP-EBLAIMCL8](#)**



**Our Price: \$19.95**  
8 feet strap with R, J, T auto frame hooks. 3000 LB working load limit. 12,000 LB break strength Strap. Blank end of strap will fit any standard 2 inch ratchet handle. Option of 8' or 10' length, Color, hook style..  
Ships from PA

**2 inch X 6ft Snap Hook Tie Down (7', 8', 10',and 14' Length Option)**  
**SKU#: [SP-EBLATSH6](#)**



**Our Price: ~~\$12.10~~ \$9.95**  
Tie-down strap: 2 inches wide by 6 feet long, with snap hook sewn to one end.  
Flat or Twisted Snap Hook Option. Several Length and Color Options. Works great with our Axle straps.  
12,000 lbs material, 3,000 lbs WLL.  
Ships from PA

## *END NOTES*

*Last edits: March 27, 2012.*

*Prices subject to change. Consult website for most current details regarding pricing and product design and application. None of these products is designed for towing or recovery. Please use as recommended. If you have questions regarding use of any of our products, please call our toll-free number before going down the road. 866-855-4285.*

*Copyright 2012 by Autohauler Supply, LLC. All Rights Reserved.*

*We allow printing or duplication of this document for the personal use of our customers.*

*Thanks!*

*Steve & The Gang*