

# **ANCRA** INTERNATIONAL

CATALOG NO. 210E

**North America's Largest Designer and  
Manufacturer of Cargo Restraint Systems**



1969  
Ancra  
Founded



1969  
Ancra  
Classic Winch



2004  
GlideLock® Sliding  
Load-Securement  
Bracket



2005  
SilverCap®  
Ratcheting  
Winch



2006  
PortaWinch™  
Stake Pocket  
Winch



2006  
PortaAnchor™  
Stake Pocket  
Winch



2006  
SilverCap®  
OverDrive™  
Ratcheting Cap



2006  
EZ Torque Winch™  
Gear-Drive  
Winch



2007  
Cinch™  
Air Powered  
Automatic  
Winch



2008  
Ancra Acquires  
S-Line Cargo  
Control and  
Safety Devices



2008  
AMECA Testing  
Accreditation  
Achieved



2009  
Ancra  
Celebrates Its  
40th Anniversary



CELEBRATING 40 YEARS OF LEADERSHIP, INNOVATION AND GROWTH



## HOW TO USE THIS CATALOG

**Congratulations.** You've just opened the door to the broadest line of cargo control products in the industry. Everything you'll need for all your flatbed and interior van cargo requirements is just a phone call, fax or e-mail away.

This catalog – your one-stop shopping guide – is organized to save you time and effort. There are five major product sections: flatbed; interior van; utility tiedowns; general hardware and webbing; and general information. Each section represents a specific product category and contains the broadest assortment of products and related accessories available anywhere. Color-coded pages in each section help you find the desired category quickly.

A numerical index begins on page 77 and an alphabetical index begins on page 84. If you know either the part number or the name of the product you need, you can quickly find the complete product specs.

### PART NUMBERING

Part numbers are in boldface type followed by the pertinent technical specifications.

### PAYMENT OPTIONS

Authorized distributors can now pay by check, money order, VISA, MasterCard and American Express. You can open a line of credit with us by contacting our customer service department for a credit application. After the short approval process, you will be ready to place your order.

### HOW TO PLACE AN ORDER

Our well-qualified customer service staff is happy to help you with any questions or any special requests. Customer service can be reached toll free at 1-800-233-5138 or 1-800-929-2627 (from Canada). Orders can be faxed to 1-800-347-2627 or e-mailed to [cargo-sales@ancra.com](mailto:cargo-sales@ancra.com). Electronic ordering options are available as well.



**WARNING:** Read the warning and capacity rating information on page 72. Failure to read all warnings, operating instructions and failure to adhere to the capacity ratings (breaking strengths/working load limits) could result in serious personal injury or cargo damage.



## ANCRA INTERNATIONAL: STRENGTH IN THE NAME

When you're rolling down the road, a well-engineered cargo restraint system securing your load is a reliable, welcome companion. You can take load security for granted because Ancra engineers its components and assemblies from the finest quality materials and meticulous attention to detail. Using webbing constructed from advanced performance nylon and polyester, and hardware specifically designed and manufactured to meet the most demanding requirements, Ancra keeps your security top of mind. All component parts and materials are selected and matched for cost-effective, reliable performance and long life.

## SAFETY IN NUMBERS

When you choose Ancra cargo restraint products, there's safety in numbers. Our capability measurement for components and assemblies are the numbers that reflect quality design and construction. Throughout this catalog, these capability measurements appear next to our products. Their definitions offer you even greater assurance that Ancra systems are engineered with an understanding of your requirements, your safety and your business' success.

## A STRONG PAST, A STRONGER FUTURE

In 1996, the company was acquired by the Heico Companies, LLC. Heico Companies have aggregate sales of more than \$2.7 billion dollars and an exceptional resource of professional services, financial and insurance partners. In 2008, Ancra teamed with another winner, acquiring S-Line Cargo Control and Safety Products and all divisions of JPS Corporation, with their 30-year reputation for service and design of cargo control products for flatbed trailers, van trailers, pick-up trucks and motor sports vehicles. Now backed by the standards of a solid parent organization and complemented by the superior S-Line family, Ancra – like our products, always the leader – is stronger than ever.

Visit our web site at [www.ancra.com](http://www.ancra.com)



### LEADING THE INDUSTRY WITH AMECA ACCREDITATION



In 2008, Ancra International LLC received the Certificate of Accreditation for Product Testing from the Automotive Manufacturers Equipment Compliance Agency (AMECA). This prestigious certification qualifies Ancra to test to US DOT FMCSA 49CFR393.104 (e) (3) test requirements for synthetic webbing cargo securement devices (tiedowns). The accreditation is based on rigorous on-site inspection and AMECA requirement compliance. Certification assures proficiency of Ancra's laboratory personnel, equipment and qualifications to produce accurate and repeatable test data with traceability to primary standards of the National Institute of Standards and Technology, USA. Ancra is the first to qualify since 2005.

## Color-Coded Product Sections

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**ANCRA INTERNATIONAL** presents the finest quality, most reliable winches, tiedowns, and strap and chain assemblies. They're designed to exceed the requirements of industry regulatory organizations such as Department of Transportation, California Highway Patrol, and the Web Sling and Tiedown Association. On the road, you'll appreciate our flatbed product benefits:

- ▶ Long wearing heavy-duty steel construction
- ▶ Versatile products for secure use on various applications
- ▶ Weather-resistant load control straps tested for strength
- ▶ Specially engineered construction for maximum durability
- ▶ Quick and easy securement
- ▶ Custom products for your specific application



**TIE DOWN TIPS**  
from the Web Sling  
and Tie Down Association

The angle from the horizontal (tie down to trailer) has an enormous influence on load securement.

If the angle is 90 degrees, the effective downward pressure is 100% of the tie down working load limit.

If the angle is 30 degrees, the effective downward pressure is reduced to 50% of the working load limit. In this case you need to recalculate your number of tie downs.

For more information about the Recommended Standard for Tie Downs contact WSTDA.

[www.wstda.com](http://www.wstda.com)

## Securing Loads Takes a Turn for the Better

With its innovative, patented gear-drive, Ancra's new EZ Torque Winch secures any flatbed load with a few turns of an easy-to-use, 6-inch handle. The tested, proven EZ Torque Winch requires just one-third of the force needed to torque-tighten a winch strap, and can achieve 1,500 pounds of strap tension quickly and safely. Made from long-lasting zinc-plated steel and covered by a one-year full warranty, EZ Torque takes the work out of securing any size load, by any size operator. No more pumping a 34" winch bar. *For complete information about Ancra's one-year warranty, please call Customer Service at 800-929-2627*



**Wind Up  
With The Best.**

### EZ Torque Winches



EZ Torque Winch makes securing loads easy and convenient:

- ▶ Patented gear-drive eliminates the need for a winch bar.
- ▶ Enables almost anyone to tighten a winch strap on any size load safely and quickly.
- ▶ Tested with thousands of tensioning cycles to simulate 10 years of mechanical use.
- ▶ Faster load-securing lowers operating costs.
- ▶ Available in slider models to fit virtually any flatbed application. Custom models may be available on request. Contact Ancra Customer Service.
- ▶ An anti-reverse mechanism holds tension, even when handle is removed.



*Grease fitting simplifies routine maintenance*

#### C TRACK



**49739-10**  
Standard C Track Slider.  
Zinc Plated Finish.  
Weight: 13.0 lbs./5.9 kg.  
WLL: 5,500 lbs.



**49739-13**  
Storable C Track Slider w/washers.  
Zinc Plated Finish.  
Weight: 14.4 lbs./6.5 kg.  
WLL: 5,500 lbs.

#### HERE'S HOW THE EZ TORQUE WINCH WORKS:

1. The slack is taken up in a load strap by turning the hand wheel.
2. The EZ Torque handle is placed on the winch drive nut and with a few clockwise turns, the strap is tightened to the proper tension, up to 1,500 pounds.
3. To release tension, turn the handle counter-clockwise until the tension is released.
4. Pulling the hex drive shaft will disengage the gears. The mandrel is now free to rotate with the hand wheel.

#### DOUBLE L TRACK



**49739-11**  
Standard Double L Track Slider.  
Zinc Plated Finish.  
Weight: 13.0 lbs./5.9 kg.  
WLL: 5,500 lbs.



**49739-14**  
Storable Double L Track Slider.  
Zinc Plated Finish.  
Weight: 14.4 lbs./6.5 kg.  
WLL: 5,500 lbs.

#### EZ TORQUE HANDLE



**49749-10**  
EZ Torque 6" Handle.  
Weight: 1.88 lbs./.85 kg.

## Automatic Winch Makes Loading a Cinch

Drivers have a new working partner in Cinch, the ultimate, air-powered winch. With just the touch of a button, Cinch uses the air system from service brakes and suspension to engage its patented clutch mechanism to tighten and maintain consistent tension on any cargo. It can meet any load requirement by adjusting the air pressure on all units or on each unit individually\*. Reliable and tested in more than 45,000 cycles without failure, this hard-working, weather-resistant winch helps drivers — regardless of size or strength — fill flatbed hauling jobs, saving time and preventing injuries. Available in sliding or weld-on mounting, Cinch offers automatic operation and power in its advanced features:

- ▶ Variable, consistent tension for any cargo
- ▶ No winch bar needed
- ▶ Prevents driver injuries
- ▶ Saves time and money
- ▶ Fail-safe locking mechanism
- ▶ Manual operation option

*\* Requires individual tension option.*



## Cinch Air-Powered Winch

### OPERATING INSTRUCTIONS:

#### Engaging the system

1. Turn on air at master control box.
2. Set strap tension by setting PSI.
3. Thread the strap through the winch as you would with a standard winch.
4. Turn the pawl pin to the "ON" position.
5. Push in the T-handle and turn to the "ON" position. Pull the T-handle out to lock.
6. The Cinch is now activated and will keep your load secure until released.

#### Releasing the system

1. Turn the pawl pin to the "OFF" position.
2. Push in the T-handle and turn to the "OFF" position. Pull the T-handle out to lock.
3. Cinch is now released. Remove straps.
4. Turn off the air supply at the master control box when not in use for a significant period of time.



#### **49850-10**

Slotted Web Winch.  
Weight: 45.0 lbs./20.4 kg.  
WLL: 6,000 lbs.

#### **49850-12**

3-Bar Winch.  
Weight: 47.0 lbs./21.3 kg.  
WLL: 6,000 lbs.

## Ratcheting winch saves time and reduces injuries.

With Ancra's SilverCap® Ratcheting Winch, you don't have to remove the winch bar until the load is secure, saving you time and preventing bar slippage or kick-back. Functioning just like a ratchet winch, the SilverCap makes perfect sense. Available in weld-on, slider or portable mount models and zinc or powder coated to resist rust and corrosion. Right hand models are standard. Left hand available on special order. All comply with DOT and California CHP regulations, WSTDA-T3 and Canadian Standard 905. *If you're looking for a winch specific to your application, find out about Ancra's custom winches and our one-year warranty by calling Customer Service at 800-929-2627.*



## SilverCap® Winches



SilverCap  
The World's First Ratcheting Winch

PATENTED

### 3-BAR



**48101-10-SG-RC**  
3-Bar Low Profile Side Mount  
Silver Zinc Plated Finish  
Weight: 14.9 lbs./6.8 kg.  
WLL: 5,500 lbs.



**48101-14-SG-RC**  
3-Bar Standard Bottom Mount  
Silver Zinc Plated Finish  
Weight: 16.0 lbs./7.3 kg.  
WLL: 5,500 lbs.



**48101-15-SG-RC**  
3-Bar Low Profile Portable w/  
2SS Silver Zinc Plated Finish  
Weight: 16.2 lbs./7.4 kg.  
WLL: 5,500 lbs.



**48101-16-SG-RC**  
3-Bar Standard Portable w/ 2SS  
Silver Zinc Plated Finish  
Weight: 17.6 lbs./8.0 kg.  
WLL: 5,500 lbs.

### BOTTOM MOUNT



**43563-10-RC**  
Standard  
Weight: 9.5 lbs./4.3 kg.  
WLL: 5,500 lbs.



**43573-10-RC**  
Standard Storage  
Weight: 10.0 lbs./4.5 kg.  
WLL: 5,500 lbs.



**43564-12-RC**  
Standard Storage Portable w/ 2SS  
Weight: 11.5 lbs./5.2 kg.  
WLL: 5,500 lbs.



**43564-14-RC**  
Standard Portable w/ 2SS  
Weight: 10.5 lbs./4.8 kg.  
WLL: 5,500 lbs.

### SIDE MOUNT



**43564-16-RC**  
Low Profile Portable w/ 2SS  
Weight: 11.5 lbs./5.2 kg.  
WLL: 5,500 lbs.



**43579-20-RC**  
Low Profile  
Weight: 9.8 lbs./4.4 kg.  
WLL: 5,500 lbs.

### WINCH INFORMATION

**3-Bar:** Designed for easy strap insertion during snow and ice conditions. Prevents the mandrel from freezing up.

**Portable:** Winches can be placed anywhere along the trailer side channel.

**Spool:** Designed to reduce strap wear, spool discs guide and store the webbing into a single roll up to 30'.

**Standard Double Cap:** Incremental adjustment from both sides of the winch allows for low clearance applications.

**Sliders:** Allow for easy positioning in the track, but lock into place when tension is applied to the strap. Can also be welded for fixed application. For use with Ancra track 42357-11, 42357-21, 49242-10-120 or equivalent.



**SilverCap® Winches**



PATENTED

**SLIDERS**



**49207-12-RC**  
Storable Double L Track  
Weight: 8.3 lbs./3.6 kg.  
WLL: 5,000 lbs.



**49207-13-RC**  
Standard Double L Track  
Weight: 8.2 lbs./3.7 kg.  
WLL: 5,000 lbs.



**49207-18-RC**  
Low Profile Double L Track  
Weight: 8.2 lbs./3.7 kg.  
WLL: 5,000 lbs.



**49207-20-RC**  
3-Bar Low Profile Double L Track w/ Side Washers  
Weight: 14.2 lbs./6.4 kg.  
WLL: 5,500 lbs.



**43565-12-RC**  
Deep Storage Bottom Mount C Track  
Weight: 12.8 lbs./5.8 kg.  
WLL: 6,000 lbs.



**43565-14-RC**  
Deep Storage Bottom Mount C Track w/ Side Washers  
Weight: 9.6 lbs./4.4 kg.  
WLL: 6,000 lbs.



**43565-15-RC**  
Standard Bottom Mount C Track  
Weight: 11.5 lbs./5.2 kg.  
WLL: 6,000 lbs.



**COMBINATION**



**43997-10-RC**  
Leg Bracket Low Profile  
Weight: 8.8 lbs./4.0 kg.  
WLL: 5,500 lbs.



**41681-10-RC**  
Bottom Mount Standard  
Weight: 11.5 lbs./5.2 kg.  
WLL: 5,500 lbs.



**43488-20-RC**  
Side Mount Low Profile  
Weight: 11.5 lbs./5.2 kg.  
WLL: 5,500 lbs.

**GRIME GUARD**

*SilverCap winches come with a protective neoprene rubber sleeve seal that prevents moisture, dirt and road grime from entering the ratchet mechanism.*

**SilverCap® OverDrive™ Ratcheting Cap**



PATENTED

Convert your winches into ratcheting winches by adding Ancra's OverDrive Ratcheting Cap. Faster and safer than conventional winches, your winch bar stays in the winch until your straps are tight. For information about Ancra's one-year warranty, please call Customer Service at 800-929-2627.



Ancra's OverDrive™ is the easy upgrade for welded-on winches and winches too new to replace. With a ratcheting winch, you work faster and safer because the winch bar stays in the winch until the strap is tight. To install on any existing winch:

1. Simply slide the OverDrive unit over the cap of the old winch,
2. Spin it in place and
3. Secure it with the bolt.

It's that simple. All necessary parts are included.



**49723-10**  
Weight: 3.45 lbs./1.56 kg.

## Strongest in the Industry –

When load securement is vital in your flatbed fleet, you can depend on Ancra winches. They comply with all DOT and California CHP regulations. They also comply with WSTDA-T3 and meet Canadian Standard 905. Made with different base configurations to suit your various load requirements for flatbed applications, Ancra winches also feature seamless solid-steel mandrels, high-strength alloy pawl pins and powder coatings to resist abrasion and rust.

*Unless otherwise specified, all winches shown are right hand models. Left hand models are available on special order.*



## Web Winches

### BOTTOM MOUNT



**43563-10**  
Standard  
Weight: 9.6 lbs./4.4 kg.  
WLL: 5,500 lbs.



**43573-10**  
Standard Storage  
Weight: 8.5 lbs./3.9 kg.  
WLL: 5,500 lbs.



**43564-12**  
Standard Storage Portable  
w/ 2SS  
Weight: 11.1 lbs./5.0 kg.  
WLL: 5,500 lbs.



**43564-14**  
Standard Portable w/ 2SS  
Weight: 10.7 lbs./4.9 kg.  
WLL: 5,500 lbs.



**43573-11**  
Standard Storage 2" Spool  
Weight: 10.4 lbs./4.7 kg.  
WLL: 5,500 lbs.



**43573-12**  
Standard Storage 3" Spool  
Weight: 10.5 lbs./4.77 kg.  
WLL: 5,500 lbs.



**43573-13**  
Standard Storage 4" Spool  
Weight: 12.4 lbs./5.6 kg.  
WLL: 5,500 lbs.



**48783-10**  
Standard Double Cap  
Weight: 9.0 lbs./4.1 kg.  
WLL: 5,500 lbs.

### SIDE MOUNT



**43564-16**  
Low Profile Portable w/ 2SS  
Weight: 10.1 lbs./4.6 kg.  
WLL: 5,500 lbs.



**43579-20**  
Low Profile  
Weight: 7.3 lbs./3.3 kg.  
WLL: 5,500 lbs.



**41691-10**  
Leg Bracket  
Weight: 6.3 lbs./2.9 kg.  
WLL: 5,500 lbs.



To maintain good operating condition, all moving parts require periodic inspection, cleaning and lubrication.

## Web Winches

### SLIDERS



**43565-12**  
 Deep Storage  
 Bottom Mount  
 Weight: 11.4 lbs./5.4 kg.  
 WLL: 6,000 lbs.



**43565-12-SG**  
 Deep Storage  
 Bottom Mount - Zinc Plated  
 Weight: 11.3 lbs./5.1 kg.  
 WLL: 6,000 lbs.



**43565-13**  
 Standard  
 Double Cap  
 Weight: 10.5 lbs./4.8 kg.  
 WLL: 6,000 lbs.



**43565-14**  
 Deep Storage w/ Side Washers  
 C Track  
 Weight: 11.8 lbs./5.4 kg.  
 WLL: 6,000 lbs.



**43565-15**  
 Standard Bottom Mount C Track  
 Weight: 10.3 lbs./4.7 kg.  
 WLL: 6,000 lbs.



**43565-15-SG**  
 Standard Bottom Mount C  
 Track - Zinc Plated  
 Weight: 10.3 lbs./4.7 kg.  
 WLL: 6,000 lbs.



**49207-12**  
 Storable Double L Track  
 Weight: 9.5 lbs./4.3 kg.  
 WLL: 5,500 lbs.



**49207-13**  
 Standard Double L Track  
 Weight: 6.2 lbs./2.8 kg.  
 WLL: 5,500 lbs.



**49207-18**  
 Low Profile Double L Track  
 Weight: 7.0 lbs./3.2 kg.  
 WLL: 5,500 lbs.



**49207-20**  
 3-Bar Low Profile w/ Side Washers  
 Double L Track  
 Weight: 12.5 lbs./5.7 kg.  
 WLL: 5,500 lbs.



**49706-10**  
 Standard Slider W Track  
 Weight: 12.5 lbs./5.7 kg.  
 WLL: 5,500 lbs.



**49706-11**  
 Low Profile Slider W Track  
 Weight: 11.5 lbs./5.2 kg.  
 WLL: 5,500 lbs.

### 3-BAR



**48101-10**  
 3-Bar Low Profile  
 Side Mount  
 Weight: 13.3 lbs./6.0 kg.  
 WLL: 5,500 lbs.



**48101-14**  
 3-Bar Standard  
 Bottom Mount  
 Weight: 14.6 lbs./6.6 kg.  
 WLL: 5,500 lbs.

## Winch Track

Ancra winch track is available in two distinct styles. Our Standard C track (42357) is available in both steel and aluminum and is designed for use with our standard slider winches (43565-12 and 43565-15). Our newest style (49242-10-120) is our Double L aluminum track and is designed for our 49207 Double L slider winch models. Steel track is constructed of roll-formed 1/4" plate steel. Aluminum track is available for aluminum trailers. Custom lengths are available upon request. Winch track should be installed to meet the testing requirements of TTMA RP No. 47-03. For installation instructions, visit our web site [www.ancra.com/truck/pdfs/winch\\_track\\_instl.pdf](http://www.ancra.com/truck/pdfs/winch_track_instl.pdf).



**42357-11**  
Steel C Track  
Weight: 39.0 lbs./17.73 kg. Length: 6'



**42357-21**  
Aluminum C Track  
Weight: 19.0 lbs./8.64 kg. Length: 6'



**49242-10-120**  
Aluminum Double L Track  
Weight: 26.25 lbs./11.92 kg. Length: 10'



**49789-10-120.00**  
Low Profile Aluminum Double L Track  
Weight: 16.83 lbs./7.64 kg. Length: 10'

## Lashing Winch

The lashing winch with double hex drive can be bolted or welded to the trailer like that of a standard, yet offers the quick release and easy operation of a ratchet buckle.



**47640-30**  
with double hex drive  
Weight: 3.0 lbs./1.4 kg.  
WLL: 4,400 lbs./2,000 kg.



**48496-11**  
with double hex drive  
and release latch.  
Weight: 2.17 lbs./.99 kg.  
WLL: 2,500 lbs./1,135 kg.

## WINCH FEATURES

- *Winches are permanently marked with working load limit and our name to certify quality.*
- *Smooth ground web slots prevent web wear.*
- *All surfaces are mechanically cleaned, blasted, dipped in an alkaline bath and rinsed. The powder coating on Ancra winches withstands 250 hours of standard salt spray testing to ensure years of service.*



## Combination Winches

Ancra winches are made in a variety of configurations to fit any application that requires cable or up to 4" strap.



**41681-10**  
Standard Bottom Mount  
Weight: 10.6 lbs./4.8 kg.  
WLL: 5,500 lbs.



**43488-20**  
Low Profile Side Mount  
Weight: 10.9 lbs./4.9 kg.  
WLL: 5,500 lbs.



**43908-10**  
Recessed Box  
Weight: 12.9 lbs./5.9 kg.  
WLL: 5,500 lbs.



**43997-10**  
Low Profile Leg Bracket  
Weight: 8.7 lbs./3.9 kg.  
WLL: 5,500 lbs.



**44466-10**  
2" Web  
Weight: 9.4 lbs./4.3 kg.  
WLL: 6,000 lbs.

## Cable Winches

For cable applications, Ancra offers these popular models. Your cable selection must be consistent with your cable manufacturer's safe working load ratings.

### END MOUNT



**41696-10**  
End Mount RH  
Weight: 15.4 lbs./7.0 kg.  
WLL: 5,500 lbs.

**41696-11**  
End Mount LH  
Weight: 15.4 lbs./7.0 kg.  
WLL: 5,500 lbs.

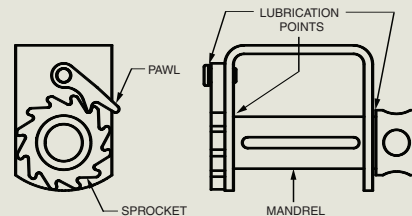
### CABLE LEG BRACKET



**41691-12**  
Weight: 6.5 lbs./2.9 kg.  
WLL: 5,500 lbs.

Ancra designs and manufactures all types of specialty winches to meet your special applications. Call us with your special requirements.

## WINCH MAINTENANCE



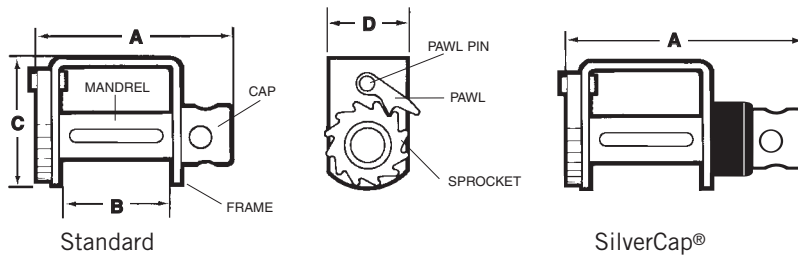
Though winches don't actually come in contact with the load, their function of tightening and anchoring the webbing or

cable is critical to the safety of over-the-highway cargo hauling. With their versatility, winches and straps or cable can secure nearly every kind and shape of load, and even allow periodic tightening of the load as necessary. They operate in all types of extreme weather and rarely fail. Yet in spite of their importance, winches are often neglected and abused.

To give the winches the care they deserve, a quick inspection before each use will insure they are undamaged and working properly. Damaged or non-operational winches should be replaced immediately.

For optimum performance, winches should be cleaned to remove dirt, mud, road salt, and ice. Lubrication ensures that gravity will allow the winch pawl to drop freely into the sprocket teeth, and the sprocket will rotate freely. When not in use, portable winches should be cleaned and stored in a dry location. With a little care, your winches will go a long way.

## Winch Dimensions (inches)



Winches are labeled with installation, maintenance and use instructions.

Ancra Part No.	A Overall Width	B Spool Width	C Frame Height	D Frame Depth	Ancra Part No.	A Overall Width	B Spool Width	C Frame Height	D Frame Depth
<b>41681-10</b>	9.75	6.82	5.38	3.50	<b>43579-20</b>	7.49	4.75	4.00	4.07
<b>41681-10-RC</b>	10.75	6.82	5.38	3.50	<b>43579-20-RC</b>	8.49	4.75	4.00	4.07
<b>41691-10</b>	7.55	4.75	5.00	3.90	<b>43908-10</b>	10.00	7.25	5.60	5.00
<b>41691-12</b>	7.55	4.75	5.00	3.90	<b>43997-10</b>	9.95	7.25	5.00	3.90
<b>41696-10</b>	7.25	4.50	10.00	4.00	<b>43997-10-RC</b>	10.95	7.25	5.00	3.90
<b>41696-11</b>	7.25	4.50	10.00	4.00	<b>44466-10</b>	7.61	4.63	5.31	3.50
<b>43488-20</b>	10.05	7.25	4.00	4.07	<b>47640-30</b>	6.13	2.12	3.80	2.95
<b>43488-20-RC</b>	11.06	7.25	4.00	4.07	<b>48101-10</b>	10.00	6.00	4.25	4.00
<b>43563-10</b>	7.61	4.63	5.43	3.50	<b>48101-10-SG-RC</b>	11.00	6.00	4.25	4.00
<b>43563-10-RC</b>	8.49	4.63	5.43	3.50	<b>48101-14</b>	10.00	6.00	5.50	4.00
<b>43564-12</b>	7.59	4.63	6.19	3.50	<b>48101-14-SG-RC</b>	11.00	6.00	5.50	4.00
<b>43564-12-RC</b>	8.56	4.63	6.19	3.50	<b>48101-15-SG-RC</b>	10.00	6.00	4.25	4.00
<b>43564-14</b>	7.59	4.63	5.31	3.50	<b>48101-16-SG-RC</b>	10.00	6.00	5.50	4.00
<b>43564-14-RC</b>	8.56	4.63	5.31	3.50	<b>48496-11</b>	4.41	2.14	2.50	4.90
<b>43564-16</b>	7.59	4.75	4.07	4.00	<b>48783-10</b>	9.25	4.63	5.31	3.50
<b>43564-16-RC</b>	8.56	4.75	4.07	4.00	<b>49207-12</b>	7.59	4.74	6.52	3.95
<b>43565-12</b>	7.59	4.63	7.50	4.00	<b>49207-12-RC</b>	8.58	4.74	6.52	3.95
<b>43565-12-SG</b>	7.59	4.63	7.50	4.00	<b>49207-13</b>	7.59	4.74	5.91	3.95
<b>43565-12-RC</b>	8.59	4.63	7.50	4.00	<b>49207-13-RC</b>	8.59	4.74	5.91	3.95
<b>43565-13</b>	9.33	4.63	6.00	4.50	<b>49207-18</b>	7.59	4.75	5.25	3.95
<b>43565-14</b>	7.59	4.63	7.50	4.00	<b>49207-18-RC</b>	8.59	4.75	5.25	3.95
<b>43565-14-RC</b>	8.59	4.63	7.50	4.00	<b>49207-20</b>	7.59	4.74	5.65	3.95
<b>43565-15</b>	7.59	4.63	6.50	4.00	<b>49207-20-RC</b>	8.59	4.74	5.65	3.95
<b>43565-15-SG</b>	7.59	4.63	6.50	4.00	<b>49706-10</b>	8.06	4.88	5.61	3.94
<b>43565-15-RC</b>	8.59	4.63	6.50	4.00	<b>49706-11</b>	8.06	4.88	4.07	4.02
<b>43573-10</b>	7.55	4.63	6.19	3.50	<b>49739-10</b>	8.80	5.63	5.91	4.00
<b>43573-10-RC</b>	8.58	4.63	6.19	3.50	<b>49739-13</b>	8.80	5.63	6.60	4.00
<b>43573-11</b>	7.55	2.25	6.19	3.50	<b>49739-11</b>	8.80	5.63	5.91	4.00
<b>43573-12</b>	7.55	3.25	6.19	3.50	<b>49739-14</b>	8.80	5.63	6.60	4.00
<b>43573-13</b>	7.55	4.12	6.19	3.50					

Winch dimensions are subject to change.

**PortaWinch™ & PortaAnchor™**

PATENTED

**Versatile solutions for securing flatbed cargo.**

Ancra's PortaWinch and PortaAnchor products turn standard stake pockets into solid anchor points for securement straps. You can position the hold-down straps anywhere along either side or front and back of the trailer using the stake pockets that best accommodate your load. You no longer have to deal with clamp-on winches that can vibrate loose or rely on ratchet straps that just can't apply the amount of tension you can get with a winch and winch bar. Fully FMCSA compliant, the PortaAnchor offers a legal solution for a DOT secure anchor point. PortaWinches are all 3-Bar winches.

**Turn stake pockets into strap anchor points.**

- ▶ Secure anchor straps securely and legally.
- ▶ Working Load Limit (WLL) 5,500 lbs./2,495 kg.
- ▶ Uses standard 4" straps, chain and winch bar.
- ▶ Fits all stake pockets.
- ▶ Installs easily without tools.
- ▶ Works over tires and toolboxes.
- ▶ Removable when not in use.



*Installs easily with patented spring-loaded front hook design that distributes the load evenly across the stake pocket. Cap has four holes and accommodates standard winch bars.*



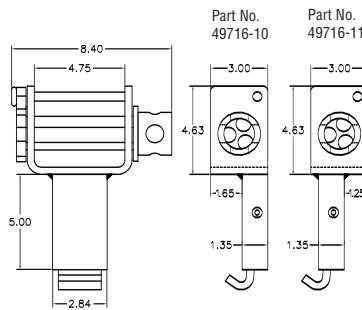
*PortaAnchor accepts chain and hook load assemblies, 4-in. web straps with flat hooks and web straps with chain anchors or web hooks.*

**PORTA WINCH**



**49716-10**  
Standard outward off-set  
Weight: 11.5 lbs./5.2 kg.  
WLL: 5,500 lbs.

**49716-11**  
Inward off-set to allow  
for track-mounted  
tarp clearance.  
Weight: 11.5 lbs./5.2 kg.  
WLL: 5,500 lbs.

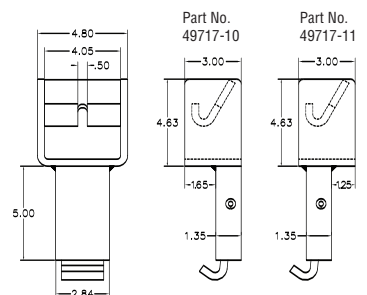


**PORTA ANCHOR**



**49717-10**  
Standard outward off-set.  
Weight: 9.5 lbs./4.3 kg.  
WLL: 5,500 lbs.

**49717-11**  
Inward off-set to allow for  
track-mounted tarp clearance.  
Weight: 9.5 lbs./4.3 kg.  
WLL: 5,500 lbs.



**PORTA WINCH**



**49716-10-RC**  
Standard outward off-set.  
Weight: 13.0 lbs./5.9 kg.  
WLL: 5,500 lbs.

**49716-11-RC**  
Inward off-set to allow for track-mounted tarp clearance.  
Weight: 13.0 lbs./5.9 kg.  
WLL: 5,500 lbs.



## Flatbed Accessories

### CABLE ASSEMBLIES WITH CHAIN ANCHOR

Ancra's new, heavy-duty cable assemblies with gold zinc-plated chain anchor can be used on cable, combination winches, or web winches with side washers to prevent binding. Constructed of galvanized aircraft cable and 19.25", grade 70 NACM-compliant anchor, the cable assemblies are available in 1/4" and 5/16" diameter cable in 30' and 32' lengths.



#### 49828-10-30

1/4" x 30' Weight: 5.5 lbs./2.5 kg.  
WLL: 2,300 lbs./1,050 kg.

#### 49828-10-32

1/4" x 32' Weight: 5.8 lbs./2.6 kg.  
WLL: 2,300 lbs./1,050 kg.

#### 49828-11-30

5/16" x 30' Weight: 7.9 lbs./3.6 kg.  
WLL: 3,300 lbs./1,500 kg.

#### 49828-11-32

5/16" x 32' Weight: 8.4 lbs./3.8 kg.  
WLL: 3,300 lbs./1,500 kg.

### WINCH BARS

Tapered and angled at the end for easy operation, Ancra's 34-inch Winch Bars are knurled at two sections and the tip is grooved to improve grip in the winch. They are heat-treated for extra strength, cycle tested to simulate years of heavy use, and proof loaded during manufacturing. **To be used to release chain load binders as well as tension winches. Not to be used as a cheater bar to tension load binders.**



*Flanged mushroom tip helps keep the bar from slipping from the winch.*



#### 42313-10

Standard Painted. Weight: 5.0 lbs./2.27 kg.



#### 42313-12

Combination Box End Painted. Weight: 6.5 lbs./2.95 kg.



#### 42313-17

Standard Chrome. Weight: 5.0 lbs./2.27 kg.



#### 42313-19

Combination Chrome. Weight: 6.5 lbs./2.95 kg.



#### 42313-20

Combination Painted. Weight: 6.5 lbs./2.95 kg.

### HEAVY DUTY D-RINGS

Rugged forged-steel D-rings add versatility for securing complex loads. Utility trailers typically use 1/2 and 5/8 inch models, while heavy-duty applications rely on the 3/4 and 1-inch sizes. Available with bolt-on and weld on clips, depending on use.



#### 49896-10

1/2-inch forged steel w/  
Bolt on clip  
Weight: 1.1 lbs./ .50 kg.  
WLL: 4,000 lbs.



#### 49897-10

5/8-inch forged steel w/  
Weld-on clip  
Weight: 2.0 lbs./ .91 kg.  
WLL: 6,300 lbs.



#### 49898-10

3/4-inch forged steel w/  
Weld-on clip  
Weight: 2.3 lbs./1.0 kg.  
WLL: 9,000 lbs.



#### 49899-10

1-inch forged steel w/  
Weld-on clip  
Weight: 4.8 lbs./2.2 kg.  
WLL: 15,600 lbs.



## Flatbed Accessories

### HOOKS & WEB WINDER PARTS



**44102-11**  
H-2 Hook. Flame-cut from 5/8-in. material and can be welded flat on trucks. Accepts web loops, D-rings, cable or rope. Meets CHP anchorage requirements when properly secured. Weight: .61 lb./28 kg.



**44122-10**  
Corner Iron Hook. Constructed with no sharp corners to reduce abrasion to rope or cable. Weight: .63 lb./29 kg.



**45801-10**  
Web Winder. Constructed of all steel, the Ancra Web Winder winds 2-in., 3-in. and 4-in. webbing binders for compact storage. Easy to attach to truck rails, easy to remove with tapered forks, and easy to disassemble for storage. Weight: 3.25 lbs./1.48 kg.



**49768-10**  
Double L Track Slider Hook. Weight: 5.65 lb./2.57 kg. WLL: 5,500 lbs.

### SAFETY RELATED PRODUCTS



**49893-10**  
Safety Flag heavy-duty w/ wooden dowel. 18" x 18"



**49893-11**  
Cotton Flag w/ steel wire rod. 18" x 18"



**49893-12**  
Flag w/ 2 brass grommets. 18" x 18"



**49893-13**  
PVC Coated Orange Mesh Flag w/ wooden dowel. 18" x 18"



**49894-10**  
Double-sided banner reads WIDE LOAD and OVERSIZED LOAD. Made of durable vinyl fabric and comes with four grommets and four 44" attachment ropes. 84" x 18"



**49894-11**  
Double-sided banner reads WIDE LOAD and OVERSIZED LOAD. Made of durable vinyl fabric and comes with sewn-in ropes top and bottom, plus four grommets. 84" x 18"



**49894-12**  
Double-sided banner reads WIDE LOAD and OVERSIZED LOAD. Made of durable vinyl fabric and comes with four grommets and four 44" attachment ropes. 72" x 14"



**49895-10**  
Canadian D sign is made of durable vinyl fabric. Comes with 10 grommet attachment points. 96" x 12"

## Flatbed Accessories

# GLIDELOCK®

*Sliding Load-Securement Bracket*

### LOCK AND LOAD WITH GLIDELOCK® MOVABLE SECUREMENT BRACKET

The Glidelock Sliding Load-Securement Bracket combines versatility and safety in cargo handling, with two outstanding benefits:

1. It's movable so it can be positioned exactly where it's needed to best secure the cargo. No matter what the cargo is, or where it is on the trailer, Glidelock can be positioned to your advantage.
2. Once the flat hook is engaged, the unit locks the hook in position. It cannot shift or come undone and will remain secure until you unlock it.

Glidelock glides into any position along the trailer rail or winch track to ensure the correct pull-angle for securing cargo. The compact unit keeps the straps inboard of the rub rail and works with any standard flat-hook strap. Meeting Federal Motor Safety Administration (FMCSA) standards for flatbed trailers equipped with trailer rails, double L track or standard C winch track, Glidelock has a 5,400 lbs. Working Load Limit.



#### 49527-10

Glidelock for Double L Track  
WLL: 5,400 lbs. (2,450 kg.)  
Weight 4.50 lbs. (2.04 kg)

#### 49527-13

Glidelock for Standard C Winch Track  
WLL: 5,400 lbs. (2,450 kg.)  
Weight: 4.50 lbs. (2.04 kg.)

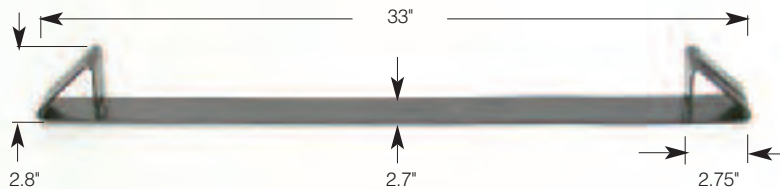
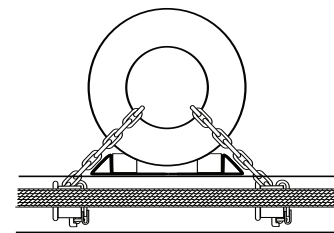


### HOW GLIDELOCK WORKS

1. Slide the unit onto the trailer rails or winch track.
2. Glide it to the correct position to ensure a correct pull-angle.
3. Release the keeper to allow the flat hook to engage Glidelock.
4. Secure the keeper to lock the flat hook into position. Once in place, the hook can't shift or come undone. Ideal for trailer equipped with trailer rails, double L track or standards C winch track and slider winches.

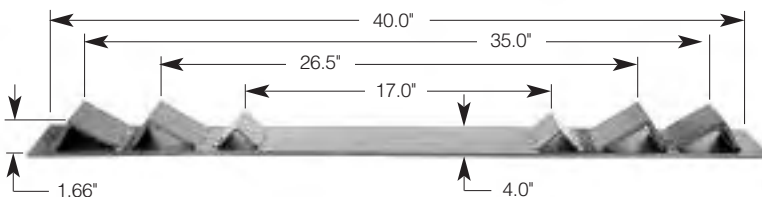
### COIL RACK

Our coil racks are of one-piece construction for extra support, handling both heavy and light duty applications. Used with lumber blocks which provide extra cradling of the coils. Both have a black lacquer finish. New D.O.T. standards specifically address securement of metal coils. If chocks are used, they must be held in place by coil bunks or racks to prevent them from coming loose.



#### 49344-10

Light Duty  
Metal Gauge: 10  
Weight: 5.7 lbs./2.60 kg.



#### 49344-12

Heavy Duty 1/4" steel sheet per  
ASTM A36  
Weight: 15.63 lbs./7.09 kg.

## Flatbed Accessories

### CORNER PROTECTORS

Along with our standard rugged flatbed products, Ancra web accessories offer high-performance and durability. Sturdy corner and web protectors prevent abrasion of cargo and cargo-securing straps. Tested and proven, our natural rubber rope and ties allow for quick and easy securement of tarps.



#### 43986-10

High Density Polymer  
Suitable for webbing up to 4".  
5.25" wide and extends approx.  
3.5" to protect the load.  
Weight: .06 lb./0.03 kg.



#### 49377-10

Steel (Zinc Plated)  
For use with chain and extends 4"  
to protect the load.  
Weight: 1.10 lbs./50 kg.



#### 49577-10

Steel (Galvanized)  
For use with chain. 4" wide  
and extends 3" on top and  
3.5" to protect the load.  
Weight: .90 lb./41 kg.



#### 49756-10

Steel Corner Protector for chain  
and winch straps and extends  
3-5/8" to protect the load.  
Weight: 1.26 lbs./57 kg.



#### 41516-11

2" Aluminum 6061-T6  
Weight: .63 lbs./29 kg.



#### 49584-10

12" Long Plastic. Extends  
approx. 3" to protect the load.  
Suitable for webbing up to 4" in  
width. Weight: .47 lb./21 kg.



#### 42098-11

Fiber Reinforced Rubber. Extends approx 5" to protect the load for  
webbing up to 3" in. in width. Weight: .63 lb./29 kg.

#### 42098-12

Extends approx 5" to protect the load for webbing up to 4" in width.  
Weight: .75 lb./34 kg.

### TARP PROTECTOR



#### 49913-10

Yellow plastic.  
Weight: .21 lb./0.09 kg.

### WEB PROTECTOR



#### 40985-05-12

12-in. Cordura® Nylon sleeve for 2-in.  
webbing. Weight: .13 lb./0.06 kg.

#### 40985-05-RL

100-yd. bulk roll Cordura Nylon  
sleeve for 2-in. webbing. Weight:  
.39 lb./yd./18 kg./meter. Cordura®  
is a registered trademark of Dupont.

### RUBBER TIES



- 41569-10** 9-in. 10 lbs./4.55 kg.
- 41569-15** 15-in. 12 lbs./5.46 kg.
- 41569-21** 21-in. 15 lbs./6.82 kg.
- 41569-31** 31-in. 19 lbs./8.64 kg.
- 41569-41** 41-in. 23 lbs./10.46 kg.

- Quantity 50 per box
- Hooks are crimped on 21", 31" and 41" ties
- Designed to hold tarp covers on trucks and trailers
- Not to be used to restrain or secure cargo
- Molded rubber construction for high ozone resistance and stretch resiliency
- Wear Safety Glasses
- Use caution when using rubber ties
- Read and follow all warnings

### RUBBER ROPE / RUBBER HOOK



#### 49454-11

3/8" Solid Core Rubber Rope

#### 49454-13

7/16" Solid Core Rubber Rope

- Standard 150-ft. coils
- Easily assembled to desired length for application.

#### 49211-10

Rubber Hook  
100 per pack  
Weight: 5.2 lbs./2.37 kg.

## Transport Chain

Ancra Chain Load Binders are all steel, drop-forged, and meet FMCSA and DOT specifications. Versatile and adjustable, these load binders offer heavy-duty transport securement. All are Grade 70 short link transport chain and meet the standards for welded steel chain as specified by the National Association of Chain Manufacturers (NACM).

### GRADE 70 CHAIN ASSEMBLIES WITH CLEVIS HOOKS



<b>45881-10-16</b>	5/16-in. x 16-ft.	Working Load Limit: 4,700 lbs.	Weight: 17.40 lbs./7.89 kg.
<b>45881-10-20</b>	5/16-in. x 20-ft.	Working Load Limit: 4,700 lbs.	Weight: 21.70 lbs./9.90 kg.
<b>45881-10-25</b>	5/16-in. x 25-ft.	Working Load Limit: 4,700 lbs.	Weight: 26.70 lbs./12.10 kg.
<b>45881-11-16</b>	3/8-in. x 16-ft.	Working Load Limit: 6,600 lbs.	Weight: 17.80 lbs./8.07 kg.
<b>45881-11-20</b>	3/8-in. x 20-ft.	Working Load Limit: 6,600 lbs.	Weight: 22.20 lbs./10.10 kg.
<b>45881-11-25</b>	3/8-in. x 25-ft.	Working Load Limit: 6,600 lbs.	Weight: 27.20 lbs./12.40 kg.
<b>45881-13-20</b>	1/2-in. x 20-ft.	Working Load Limit: 11,300 lbs.	Weight: 53.60 lbs./24.31 kg.
<b>45881-13-25</b>	1/2-in. x 25-ft.	Working Load Limit: 11,300 lbs.	Weight: 66.20 lbs./30.01 kg.

### GRADE 70 CHAIN IN A PAIL



<b>45881-10-16-SP</b>	5/16-in. x 16-ft.	Working Load Limit: 4,700 lbs.	Weight: 18.80 lbs./8.52 kg.
<b>45881-10-20-SP</b>	5/16-in. x 20-ft.	Working Load Limit: 4,700 lbs.	Weight: 23.40 lbs./10.61 kg.
<b>45881-10-25-SP</b>	5/16-in. x 25-ft.	Working Load Limit: 4,700 lbs.	Weight: 28.30 lbs./12.83 kg.
<b>45881-11-16-SP</b>	3/8-in. x 16-ft.	Working Load Limit: 6,600 lbs.	Weight: 19.20 lbs./8.70 kg.
<b>45881-11-20-SP</b>	3/8-in. x 20-ft.	Working Load Limit: 6,600 lbs.	Weight: 32.80 lbs./14.87 kg.
<b>45881-11-25-SP</b>	3/8-in. x 25-ft.	Working Load Limit: 6,600 lbs.	Weight: 55.30 lbs./25.08 kg.

### GRADE 70 BULK CHAIN



<b>45880-10</b>	5/16-in. x 400-ft.	Weight: 408 lbs./185 kg.
<b>45880-11</b>	3/8-in. x 200-ft.	Weight: 248 lbs./112 kg.
<b>45880-12</b>	1/4-in. x 400-ft.	Weight: 262 lbs./119 kg.
<b>45880-13</b>	1/2-in. x 100-ft.	Weight: 251 lbs./114 kg.

### GRADE 70 CLEVIS HOOK



<b>45946-10</b>	5/16" Clevis Hook	Weight: .85 lb./39 kg.
<b>45946-11</b>	3/8" Clevis Hook	Weight: 1.10 lbs./50 kg.
<b>45946-12</b>	1/4" Clevis Hook	Weight: .40 lbs./18 kg.
<b>45946-13</b>	1/2" Clevis Hook	Weight: 2.29 lbs./1.04 kg.

(for hook dimensions see page 66)

### GRADE 43 CHAIN ASSEMBLIES WITH CLEVIS HOOKS



<b>49958-31-20</b>	5/16-in. x 20-ft.	Working Load Limit: 3,900 lbs.	Weight: 22.00 lbs./9.97 kg.
<b>49958-38-20</b>	3/8-in. x 20-ft.	Working Load Limit: 5,400 lbs.	Weight: 31.40 lbs./14.24 kg.

## Transport Chain

### GRADE 43 BULK CHAIN



<b>49957-25-135</b>	1/4-in. x 135-ft.	Working Load Limit: 2,600 lbs.	Weight: 89.3 lbs./40.50 kg.
<b>49957-31-90</b>	5/16-in. x 90-ft.	Working Load Limit: 3,900 lbs.	Weight: 89.3 lbs./40.50 kg.
<b>49957-38-63</b>	3/8-in. x 63-ft.	Working Load Limit: 5,400 lbs.	Weight: 90.4 lbs./41.00 kg.

### GRADE 43 CLEVIS HOOK



<b>49959-25</b>	1/4" Clevis Hook	Weight: .40 lbs./18 kg.
<b>49959-31</b>	5/16" Clevis Hook	Weight: .90 lb./40 kg.
<b>49959-38</b>	3/8" Clevis Hook	Weight: 1.10 lbs./50 kg.

(for hook dimensions see page 66)

### LEVER CHAIN LOAD BINDER



<b>45943-10</b>	5/16-in. Load Binder with Lever Working Load Limit: 5,400 lbs.	Accepts chain from 5/16-in. up to 3/8-in. Weight: 8.0 lbs./3.64 kg.
<b>45943-11</b>	3/8-in. Load Binder with Lever Working Load Limit: 9,200 lbs.	Accepts chain from 3/8-in. up to 1/2-in. Weight: 13.0 lbs./5.91 kg.
<b>45943-12</b>	1/4-in. Load Binder with Lever Working Load Limit: 2,500 lbs.	Accepts chain from 1/4-in. up to 5/16-in. Weight: 3.5 lbs./1.59 kg.
<b>45943-13</b>	1/2-in. Load Binder with Lever Working Load Limit: 13,000 lbs.	Accepts chain from 1/2-in. up to 5/8-in. Weight: 19.6 lbs./8.9 kg.

### RECOILLESS CHAIN LOAD BINDER W/LEVER



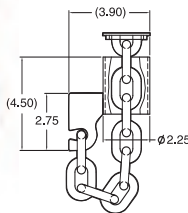
<b>45943-14</b>	5/16-in. Load Binder with Lever Working Load Limit: 5,400 lbs.	Accepts chain from 5/16-in. up to 3/8-in. Weight: 9.0 lbs./4.09 kg.
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### RATCHETING CHAIN LOAD BINDER W/LEVER

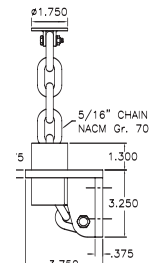


<b>45943-20</b>	5/16-in. Load Binder with Ratchet Working Load Limit: 5,400 lbs.	Accepts chain from 5/16-in. up to 3/8-in. Weight: 11.0 lbs./5.0 kg.
<b>45943-21</b>	3/8-in. Load Binder with Ratchet Working Load Limit: 9,200 lbs.	Accepts chain from 3/8-in. up to 1/2-in. Weight: 13.5 lbs./6.14 kg.
<b>45943-23</b>	1/2-in. Load Binder with Ratchet Working Load Limit: 13,000 lbs.	Accepts chain from 1/2-in. up to 5/8-in. Weight: 14.3 lbs./6.5 kg.

### FLOOR CHAIN TIEDOWN



**49345-10**  
Welded.  
Working Load Limit: 6,000 lbs.  
Weight: 5.60 lbs./2.55 kg.  
Made with 3/8-in. Grade 70 chain.

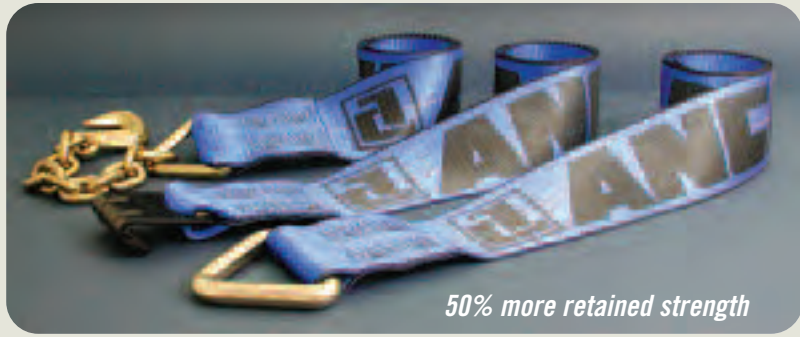


**49583-10**  
Bolt on.  
Working Load Limit: 6,000 lbs.  
Weight: 5.25 lbs./2.38 kg.  
Made with 3/8-in. Grade 70 chain.

## **ANCRA BLUE** —the ultimate in webbing strength and performance.

Ancra, well-known for high-performance cargo restraint products, has raised the bar with this new high-strength webbing. This webbing dramatically improves facial abrasion resistance and gives webbing more body and firmness. **ANCRA BLUE**

also delivers 50% more retained strength over standard webbing after 2,500 full cycles for a durability rating that is like everything else about this product—superior. The 3-inch and 4-inch straps are made with Ancra’s 3.25-inch flat hook, which allows it to fit through any stake pocket, a rated anchor point, providing a stronger attachment location for even greater holding power. The next time you require the industry’s most durable, most wear-resistant winch strap, think blue, **ANCRA BLUE**.



*50% more retained strength*

## **ANCRA BLUE** Winch Strap Assemblies

Custom lengths and webbing configurations available (loops for bolts).

**2" WINCH STRAPS** WLL: 3,300 lbs./1,515 kg. using 12,000-lb. 41632-35 Webbing



**41659-80-30**

2-in. x 30-ft. ANCRA BLUE Strap w/  
40891-18 Flat Hook



**41659-82-30**

2-in. x 30-ft. ANCRA BLUE Strap w/  
43120-13 Wire Hook



**41659-83-30**

2-in. x 30-ft. ANCRA BLUE Strap w/  
43366-21 Chain Anchor



**41659-84-XX**

2-in. ANCRA BLUE Strap w/  
No Hardware, substitute XX with length  
in feet.



**WINCH STRAP TIP**

Putting a half twist in a tiedown strap will reduce vibration and extend the life of the fabric.

**ANCRA BLUE Winch Strap Assemblies**

**3" WINCH STRAPS** WLL: 5,400 lbs./2,450 kg. using 18,000-lb. 41632-36 Webbing



**41660-80-30**  
3-in. x 30-ft. ANCRA BLUE Strap w/  
41766-18 Flat Hook



**41660-83-30**  
3-in. x 30-ft. ANCRA BLUE Strap w/  
43366-14 Chain Anchor



**41660-85-XX**  
3-in. ANCRA BLUE Strap w/  
No Hardware, substitute XX with length  
in feet.

**4" WINCH STRAPS** WLL: 5,400 lbs./2,450 kg. using 20,000-lb. 43797-31 Webbing



**43795-80-27**  
4-in. x 27-ft. ANCRA BLUE Strap w/  
41766-18 Flat Hook

**43795-80-30**  
4-in. x 30-ft. ANCRA BLUE Strap w/  
41766-18 Flat Hook

**43795-80-40**  
4-in. x 40-ft. ANCRA BLUE Strap w/  
41766-18 Flat Hook



**43795-81-30**  
4-in. x 30-ft. ANCRA BLUE Strap w/  
41631-12 Delta Ring

**43795-81-40**  
4-in. x 40-ft. ANCRA BLUE Strap w/  
41631-12 Delta Ring



**43795-83-30**  
4-in. x 30-ft. ANCRA BLUE Strap w/  
Half Twisted Loop



**43795-85-30**  
4-in. x 30-ft. ANCRA BLUE Strap w/  
43366-14 Chain Anchor



**43795-82-XX**  
4-in. ANCRA BLUE Strap w/  
No Hardware, substitute XX with length  
in feet.

## Mile after mile, your dependable classic.

Ankra Winch Strap Assemblies team heavy duty, wear- and weather-resistant load control straps with strong, dependable hardware to meet the demanding conditions of flatbed operations. Ankra straps meet California Highway Patrol specifications and are tested for strength and durability. They can be supplied with a loop end for permanent attachment to truck winch mandrels. Meets or exceeds WSTDA T-1 standard specifications for synthetic web tiedowns.



### Winch Strap Assemblies

**2" WINCH STRAPS** WLL: 3,333 lbs./1,515 kg. using 12,000-lb. 41632-13 Webbing



**41659-10-27**  
2-in. x 27-ft. Winch Strap w/  
40891-18 Flat Hook

**41659-10-30**  
2-in. x 30-ft. Winch Strap w/  
40891-18 Flat Hook



**41659-11-27**  
2-in. x 27-ft. Winch Strap w/  
40978-11 Delta Ring

**41659-11-30**  
2-in. x 30-ft. Winch Strap w/  
40978-11 Delta Ring



**41659-13-27**  
2-in. x 27-ft. Winch Strap w/  
43120-13 Wire Hook

**41659-13-30**  
2-in. x 30-ft. Winch Strap w/  
43120-13 Wire Hook



**41659-15-27**  
2-in. x 27-ft. Winch Strap w/  
43366-21 Chain Anchor

**41659-15-30**  
2-in. x 30-ft. Winch Strap w/  
43366-21 Chain Anchor



**41659-16-XX**  
2-in. Winch Strap w/no hardware for winch to winch application.  
Substitute XX with length in feet.



## Winch Strap Assemblies

**3" WINCH STRAPS** WLL: 5,400 lbs./2,450 kg. using 18,000-lb. 41632-14 Webbing



**41660-10-27**

3-in. x 27-ft. Winch Strap w/  
41766-18 Flat Hook

**41660-10-30**

3-in. x 30-ft. Winch Strap w/  
41766-18 Flat Hook



**41660-11-27**

3-in. x 27-ft. Winch Strap w/  
45516-12 Delta Ring

**41660-11-30**

3-in. x 30-ft. Winch Strap w/  
45516-12 Delta Ring



**41660-13-27**

3-in. x 27-ft. Winch Strap w/  
43365-12 Grab Hook

**41660-13-30**

3-in. x 20-ft. Winch Strap w/  
43365-12 Grab Hook



**41660-14-27**

3-in. x 27-ft. Winch Strap w/  
43366-14 Chain Anchor

**41660-14-30**

3-in. x 30-ft. Winch Strap w/  
43366-14 Chain Anchor



**41660-18-27**

3-in. x 27-ft. Winch Strap w/  
43120-20 Wire Hook

**41660-18-30**

3-in. x 30-ft. Winch Strap w/  
43120-20 Wire Hook



**41660-17-XX**

Winch Strap w/ no hardware for winch to winch application.  
Substitute XX with length in feet.

**4" WINCH STRAPS** WLL: 5,400 lbs./2,450 kg. using 20,000-lb. 43797-12 Webbing



**43795-10-27**

4-in. x 27-ft. Winch Strap w/  
41766-18 Flat Hook

**43795-10-40**

4-in. x 40-ft. Winch Strap w/  
41766-18 Flat Hook

**43795-10-30**

4-in. x 30-ft. Winch Strap w/  
41766-18 Flat Hook

**43795-10-50**

4-in. x 50-ft. Winch Strap w/  
41766-18 Flat Hook

**43795-10-35**

4-in. x 35-ft. Winch Strap w/  
41766-18 Flat Hook



**43795-11-27**

4-in. x 27-ft. Winch Strap w/  
41631-12 Delta Ring

**43795-11-40**

4-in. x 40-ft. Winch Strap w/  
41631-12 Delta Ring

**43795-11-30**

4-in. x 30-ft. Winch Strap w/  
41631-12 Delta Ring

**43795-11-50**

4-in. x 50-ft. Winch Strap w/  
41631-12 Delta Ring

**43795-11-35**

4-in. x 35-ft. Winch Strap w/  
41631-12 Delta Ring

## Winch Strap Assemblies

**4" WINCH STRAPS** WLL: 5,400 lbs./2,450 kg. 20,000-lb. using 43797-12 Webbing



**43795-13-30**

4-in. x 30-ft. Winch Strap w/  
Half Twisted Loop

**43795-13-45**

4-in. x 45-ft. Winch Strap w/  
Half Twisted Loop

**43795-13-50**

4-in. x 50-ft. Winch Strap w/  
Half Twisted Loop

**43795-13-65**

4-in. x 65-ft. Winch Strap w/  
Half Twisted Loop

**43795-13-75**

4-in. x 75-ft. Winch Strap w/  
Half Twisted Loop



**43795-14-27**

4-in. x 27-ft. Winch Strap w/  
43365-12 Grab Hook

**43795-14-30**

4-in. x 30-ft. Winch Strap w/  
43365-12 Grab Hook



**43795-15-27**

4-in. x 27-ft. Winch Strap w/  
43366-14 Chain Anchor

**43795-15-30**

4-in. x 30-ft. Winch Strap w/  
43366-14 Chain Anchor



**43795-19-XX**

4-in. Winch Strap w/no hardware for winch to winch application.  
Substitute XX with length in feet.

## Roll-On/Roll-Off Container Straps

### STANDARD



**49526-10**

4-in. x 5-ft. Strap with 48968-11 Container Hook.  
WLL: 5,400 lbs./2,450 kg.



**49526-11**

4-in. x 5-ft. Strap with sewn loop end.  
WLL: 5,400 lbs./2,450 kg.

### ANCI BLUE



**49526-80**

4-in. x 5-ft. Ancra BLUE Strap with Container Hook.  
WLL: 5,400 lbs./2,450 kg.



**49526-81**

4-in. x 5-ft. Ancra BLUE Strap with sewn loop end.  
WLL: 5,400 lbs./2,450 kg.

Engineered for strength and durability, Ancra ratchet buckle strap assemblies set the industry standard. The integrity of our patented ratchet buckles set these assemblies apart from the rest. A complete line of Ancra's standard and heavy-duty assemblies and accessories can meet all of your specific requirements.

- ▶ Custom lengths with a range of end hardware for wide ranging applications
- ▶ Complies with WSTDA T-1 Standards
- ▶ Webbing meets or exceeds WSTDA T-4 standards
- ▶ Now available Ancra BLUE premium webbing with 50% more retained strength.



## Ratchet Strap Assemblies

### 2" ANCRA BLUE RATCHET STRAPS USING 41632-35 WEBBING WITH LONG-WIDE HANDLE RATCHET BUCKLE 44587-10 WLL: 3,333 lbs./1,515 kg.



**45982-80-27**  
2-in. x 27-ft. ANCRA BLUE Ratchet Strap w/ 40891-18 Flat Hooks. Fixed End 18".

**45982-80-30**  
2-in. x 30-ft. ANCRA BLUE Ratchet Strap w/ 40891-18 Flat Hooks. Fixed End 18".



**45982-83-30**  
2-in. x 30-ft. ANCRA BLUE Ratchet Strap w/ 43366-21 Chain Anchors. Fixed End 34".



**45982-85-27**  
2-in. x 27-ft. ANCRA BLUE Ratchet Strap w/ 43120-13 Wire Hooks. Fixed End 18".

**45982-85-30**  
2-in. x 30-ft. ANCRA BLUE Ratchet Strap w/ 43120-13 Wire Hooks. Fixed End 18".

### 3" ANCRA BLUE RATCHET STRAPS USING 41632-36 WEBBING WITH RATCHET BUCKLE 48965-10 WLL: 5,400 lbs./2,450 kg.



**48987-80-27**  
3-in. x 27-ft. ANCRA BLUE Ratchet Strap w/ 41766-18 Flat Hooks. Fixed End 18".

**48987-80-30**  
3-in. x 30-ft. ANCRA BLUE Ratchet Strap w/ 41766-18 Flat Hooks. Fixed End 18".



**48987-82-27**  
3-in. x 30-ft. ANCRA BLUE Ratchet Strap w/ 43366-14 Chain Anchors. Fixed End 33".

**48987-82-30**  
3-in. x 30-ft. ANCRA BLUE Ratchet Strap w/ 43366-14 Chain Anchors. Fixed End 33".

### 4" ANCRA BLUE RATCHET STRAPS USING 43797-31 WEBBING WITH RATCHET BUCKLE 49349-1 WLL: 5,400 lbs./2,450 kg.



**49346-80-27**  
4-in. x 27-ft. ANCRA BLUE Ratchet Strap w/ 41766-18 Flat Hooks. Fixed End 18".

**49346-80-30**  
4-in. x 30-ft. ANCRA BLUE Ratchet Strap w/ 41766-18 Flat Hooks. Fixed End 18".



**49346-81-27**  
4-in. x 30-ft. ANCRA BLUE Ratchet Strap w/ 43366-14 Chain Anchors. Fixed End 33".

**49346-81-30**  
4-in. x 30-ft. ANCRA BLUE Ratchet Strap w/ 43366-14 Chain Anchors. Fixed End 33".

## Ratchet Strap Assemblies

**2" RATCHET BUCKLE STRAPS USING 41632-13 WEBBING WITH LONG-WIDE HANDLE**  
**RATCHET BUCKLE 44587-10** WLL: 3,333 lbs./1,515 kg.



**45982-10**

2-in. x 27-ft. Ratchet Strap w/  
40891-18 Flat Hooks. Fixed End 18".

**45982-11**

2-in. x 30-ft. Ratchet Strap w/  
40891-18 Flat Hooks. Fixed End 18".



**45982-16**

2-in. x 27-ft. Ratchet Strap w/  
40978-11 Delta Rings. Fixed End 18".

**45982-35**

2-in. x 30-ft. Ratchet Strap w/  
40978-11 Delta Rings. Fixed End 18".



**45982-14**

2-in. x 27-ft. Ratchet Strap w/  
43365-12 Grab Hooks. Fixed End 18".

**45982-33**

2-in. x 30-ft. Ratchet Strap w/  
43365-12 Grab Hooks. Fixed End 18".



**45982-15**

2-in. x 27-ft. Ratchet Strap w/  
43366-21 Chain Anchors.  
Fixed End 34".

**45982-34**

2-in. x 30-ft. Ratchet Strap w/  
43366-21 Chain Anchors.  
Fixed End 34".



**45982-19**

2-in. x 27-ft. Ratchet Strap w/  
40758-11 Twisted Snap Hooks.  
Fixed End 18".

**45982-36**

2-in. x 30-ft. Ratchet Strap w/  
40758-11 Twisted Snap Hooks.  
Fixed End 18".



**45982-42**

2-in. x 27-ft. Ratchet Strap w/  
43120-13 Wire Hooks. Fixed End 18".

**45982-43**

2-in. x 30-ft. Ratchet Strap w/  
43120-13 Wire Hooks. Fixed End 18".

## Ratchet Strap Assemblies

**2" RATCHET BUCKLE STRAPS USING 41632-13 WEBBING WITH SHORT-WIDE HANDLE**  
RATCHET BUCKLE 47105-11 WLL: 3,333 lbs./1,515 kg.



**47970-10**

27-ft. Ratchet Strap w/ 40891-18 Flat Hooks. Fixed End 18".

**47970-11**

30-ft. Ratchet Strap w/ 40891-18 Flat Hooks. Fixed End 18".

**2" RATCHET BUCKLE STRAPS USING 41632-13 WEBBING WITH STANDARD HANDLE**  
RATCHET BUCKLE 44627-11 WLL: 3,333 lbs./1,515 kg.



**47971-10**

27-ft. Ratchet Strap w/ 40891-18 Flat Hooks. Fixed End 18".

**47971-11**

30-ft. Ratchet Strap w/ 40891-18 Flat Hooks. Fixed End 18".

**3" RATCHET BUCKLE STRAPS USING 41632-14 WEBBING WITH RATCHET BUCKLE 48965-10**  
WLL: 5,400 lbs./2,454 kg.



**48987-20**

27-ft. Ratchet Strap w/ 41766-18 Flat Hooks. Fixed End 18".

**48987-21**

30-ft. Ratchet Strap w/ 41766-18 Flat Hooks. Fixed End 18".



**48987-22**

27-ft. Ratchet Strap w/ 43365-12 Grab Hooks. Fixed End 18".

**48987-23**

30-ft. Ratchet Strap w/ 43365-12 Grab Hooks. Fixed End 18".



**48987-24**

27-ft. Ratchet Strap w/ 43366-14 Chain Anchors. Fixed End 33".

**48987-25**

30-ft. Ratchet Strap w/ 43366-14 Chain Anchors. Fixed End 33".

## Ratchet Strap Assemblies

### 4" RATCHET BUCKLE STRAPS USING 43797-12 WEBBING WITH RATCHET BUCKLE 49349-10

WLL: 5,400 lbs./2,454 kg.



#### 49346-10

27-ft. Ratchet Strap w/ 41766-18 Flat Hooks. Fixed End 18".

#### 49346-11

30-ft. Ratchet Strap w/ 41766-18 Flat Hooks. Fixed End 18".

WLL: 6,600 lbs./3,000 kg.



#### 49346-12

27-ft. Ratchet Strap w/ 43120-20 Narrow Wire Hooks. Fixed End 18".

#### 49346-13

30-ft. Ratchet Strap w/ 43120-20 Narrow Wire Hooks. Fixed End 18".

WLL: 5,400 lbs./2,454 kg.



#### 49346-14

27-ft. Ratchet Strap w/ 43366-14 Chain Anchors. Fixed End 33".

#### 49346-15

30-ft. Ratchet Strap w/ 43366-14 Chain Anchors. Fixed End 33".

WLL: 6,600 lbs./3,000 kg.



#### 49346-16

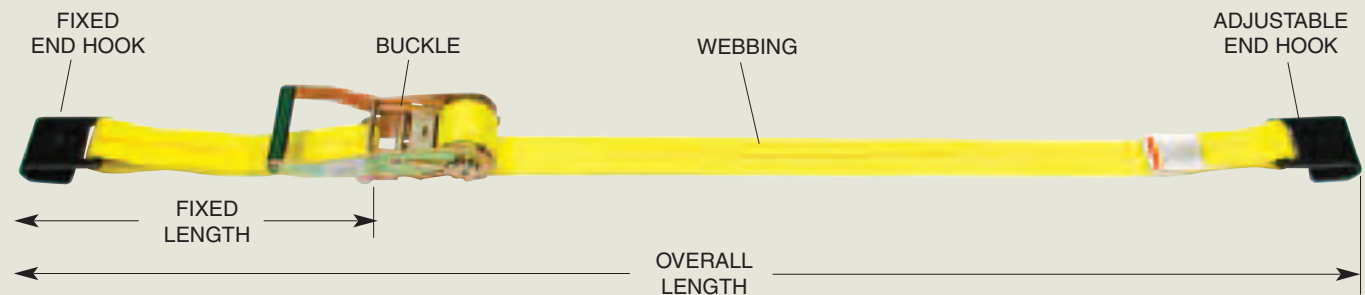
27-ft. Ratchet Strap w/ 41631-12 Delta Ring. Fixed End 18".

#### 49346-17

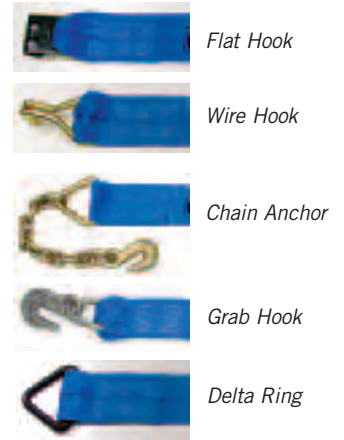
30-ft. Ratchet Strap w/ 41631-12 Delta Ring. Fixed End 18".

## Anatomy of a Ratchet Strap

**Length:** The distance between extreme end bearing points of the web tiedown assembly, including the fittings. Standard fixed end length is 18" (33" for chain anchor straps). This puts ratchet in optimum position on side of trailer for driver tensioning. Handholds are typically 6" in length and can be sewn to prevent the webbing from sliding back through the buckle or winch.



## Ratchet Strap Assemblies



### FOR ANCRA BLUE 2" RATCHET STRAP ASSEMBLIES

Part No.	Description	Replacement for:
<b>10632-80</b>	2" x 18" Fixed end strap w/44587-10 buckle and 40891-18 flat hook	45982-80-27 & -30
<b>10632-80-28</b>	2" x 28' Adjustable end strap w/40891-18 flat hook	45982-80-27 & -30
<b>10632-83</b>	2" x 33" Fixed end strap w/44587-10 buckle and 43366-21 chain anchor	45982-83-30
<b>10632-83-28</b>	2" x 28' Adjustable end strap w/43366-12 chain anchor	45982-83-30
<b>10632-85</b>	2" x 18" Fixed end strap w/44587-10 buckle and 43120-18 wire hook	45982-85-27 & -30
<b>10632-85-28</b>	2" x 28' Adjustable end strap w/43120-13 wire hook	45982-85-27 & -30

### FOR ANCRA BLUE 3" RATCHET STRAP ASSEMBLIES

<b>10633-80</b>	3" x 18" Fixed end strap w/48965-10 buckle and 41766-18 flat hook	48987-80-27 & -30
<b>10633-80-28</b>	3" x 28' Adjustable end strap w/41766-18 flat hook	48987-80-27 & -30
<b>10633-82</b>	3" x 33" Fixed end strap w/48965-10 buckle and 43366-14 chain anchor	48987-80-27 & -30
<b>10633-82-28</b>	3" x 28' Adjustable end strap w/43366-14 chain anchor	48987-80-27 & -30

### FOR ANCRA BLUE 4" RATCHET STRAP ASSEMBLIES

<b>10634-80</b>	4" x 18" Fixed end w/49349-10 buckle and 41766-18 flat hook	49346-80-27 & -30
<b>10634-80-28</b>	4" x 28' Adjustable end strap w/41766-18 flat hook	49346-80-27 & -30
<b>10634-81</b>	4" x 33" Fixed end strap w/49349-10 buckle and 43366-14 chain anchor	49346-81-27 & -30
<b>10634-81-28</b>	4" x 28' Adjustable end strap w/43366-14 chain anchor	49346-81-27 & -30

### FOR STANDARD 2" RATCHET STRAP ASSEMBLIES

Part No.	Description	Replacement for:
<b>48922-10</b>	2" x 18" Fixed end strap w/40891-18 Flat hook & loop end	45982-10 & -11, 47970-10 & -11, 47971-10 & -11
<b>48922-13</b>	2" x 18" Fixed end strap w/43120-13 Wire hook & loop end	45982-42 & -43
<b>49347-10</b>	2" x 18" Fixed end strap w/40891-18 Flat hook & 44587-10 Buckle	45982-10 & -11
<b>49347-19</b>	2" x 18" Fixed end strap w/43120-13 Wire hook & 44587-10 Buckle	45982-42 & -43
<b>49347-11</b>	2" x 25' Adjustable end strap w/40891-18 Flat hook	45982-10, 47970-10, 47971-10
<b>49347-20</b>	2" x 25' Adjustable end strap w/43120-13 Wire hook	45982-42
<b>49347-12</b>	2" x 28' Adjustable end strap w/40891-18 Flat hook	45982-11, 47970-11, 47971-11
<b>49347-21</b>	2" x 28' Adjustable end strap w/43120-13 Wire hook	45982-43

## Ratchet Strap Replacement

### FOR STANDARD 3" RATCHET STRAP ASSEMBLIES

Part No.	Description	Replacement for:
48922-11	3" x 18" Fixed end strap w/41766-18 Flat hook & loop end	48987-20 & -21
48922-17	3" x 33" Fixed end strap w/43366-14 Chain anchor & loop end	48987-24 & -25
48922-20	3" x 18" Fixed end strap w/43365-12 Grab hook & loop end	48987-22 & -23
49347-13	3" x 18" Fixed end strap w/41766-18 Flat hook & 48965-10 Buckle	48987-20 & -21
49347-31	3" x 33" Fixed end strap w/43366-14 Chain anchor & 48965-10 Buckle	48987-24 & -25
49347-40	3" x 18" Fixed end strap w/43365-12 Grab hook & 48965-10 Buckle	48987-22 & -23
49347-14	3" x 25' Adjustable end strap w/41766-18 Flat hook	48987-20
49347-32	3" x 25' Adjustable end strap w/43366-14 Chain anchor	48987-24
49347-41	3" x 25' Adjustable end strap w/43365-12 Grab hook	48987-22
49347-15	3" x 28' Adjustable end strap w/41766-18 Flat hook	48987-21
49347-33	3" x 28' Adjustable end strap w/43366-14 Chain anchor	48987-25
49347-42	3" x 28' Adjustable end strap w/43365-12 Grab hook	48987-23

### FOR STANDARD 4" RATCHET STRAP ASSEMBLIES

48922-12	4" x 18" Fixed end strap w/41766-18 Flat hook & loop end	49346-10 & -11
48922-15	4" x 18" Fixed end strap w/43120-20 Wire hook & loop end	49346-12 & -13
48922-18	4" x 33" Fixed end strap w/43366-14 Chain anchor & loop end	49346-14 & -15
48922-24	4" x 18" Fixed end strap w/41631-12 Delta ring & loop end	49346-16 & -17
49347-16	4" x 18" Fixed end strap w/41766-18 Flat hook & 49349-10 Buckle	49346-10 & -11
49347-25	4" x 18" Fixed end strap w/43120-20 Wire hook & 49349-10 Buckle	49346-12 & -13
49347-34	4" x 33" Fixed end strap w/43366-14 Chain anchor & 49349-10 Buckle	49346-14 & -15
49347-52	4" x 18" Fixed end strap w/41631-12 Delta ring & 49349-10 Buckle	49346-16 & -17
49347-17	4" x 25' Adjustable end strap w/41766-18 Flat hook	49346-10
49347-26	4" x 25' Adjustable end strap w/43120-20 Wire hook	49346-12
49347-35	4" x 25' Adjustable end strap w/43366-14 Chain anchor	49346-14
49347-53	4" x 25' Adjustable end strap w/41631-12 Delta ring	49346-16
49347-18	4" x 28' Adjustable end strap w/41766-18 Flat hook	49346-11
49347-27	4" x 28' Adjustable end strap w/43120-20 Wire hook	49346-13
49347-36	4" x 28' Adjustable end strap w/43366-14 Chain anchor	49346-15
49347-54	4" x 28' Adjustable end strap w/41631-12 Delta ring	49346-17

To make sure Ancra quality is delivered to the customer intact, our strap assemblies are individually banded, load bars are shipped on custom pallets and shipping cartons are 275 lbs. test.

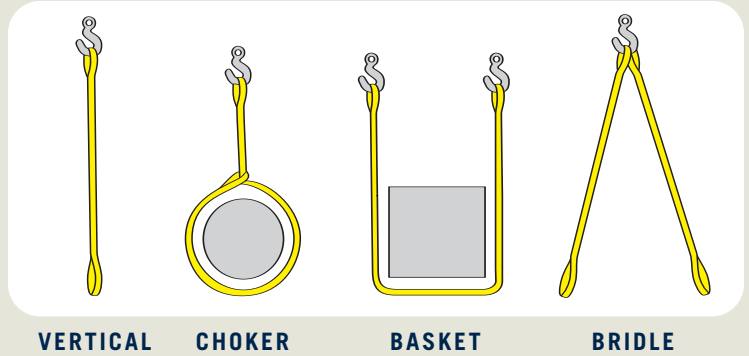


*To prevent unrated strap assemblies, Ancra uses high-quality fabric warning labels that are durable and tear-resistant.*



## Get a lift from Ancra's new slings

Flexible and resistant to abrasion, Ancra's new line of durable polyester round slings and nylon twisted eye to eye slings are built for strength and durability. Round slings are color-coded by width from 1" to 7" and are available in 1", 2" and 3" web widths in single-, double- and three-ply models. Custom sizes and models may be available. For details, contact Ancra Customer Service at 800-929-2627.



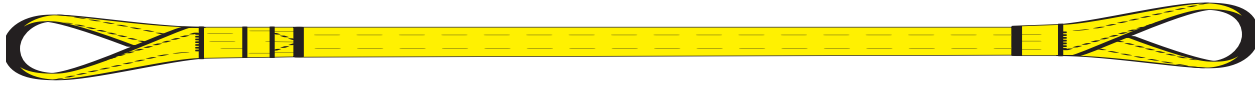
## Round Slings



### LIFTING SLINGS — ROUND

Part No.	Description	Choker	Vertical	Basket
<b>20-ENR1X3</b>	1" x 3' Purple Endless Round Sling	2,100	2,600	5,200
<b>20-ENR1X4</b>	1" x 4' Purple Endless Round Sling	2,100	2,600	5,200
<b>20-ENR1X6</b>	1" x 6' Purple Endless Round Sling	2,100	2,600	5,200
<b>20-ENR1X8</b>	1" x 8' Purple Endless Round Sling	2,100	2,600	5,200
<b>20-ENR1X12</b>	1" x 12' Purple Endless Round Sling	2,100	2,600	5,200
<b>20-ENR2X3</b>	2" x 3' Green Endless Round Sling	4,200	5,300	10,600
<b>20-ENR2X4</b>	2" x 4' Green Endless Round Sling	4,200	5,300	10,600
<b>20-ENR2X8</b>	2" x 8' Green Endless Round Sling	4,200	5,300	10,600
<b>20-ENR2X12</b>	2" x 12' Green Endless Round Sling	4,200	5,300	10,600
<b>20-ENR2X20</b>	2" x 20' Green Endless Round Sling	4,200	5,300	10,600
<b>20-ENR3X3</b>	3" x 3' Yellow Endless Round Sling	6,700	8,400	16,800
<b>20-ENR3X4</b>	3" x 4' Yellow Endless Round Sling	6,700	8,400	16,800
<b>20-ENR3X8</b>	3" x 8' Yellow Endless Round Sling	6,700	8,400	16,800
<b>20-ENR3X12</b>	3" x 12' Yellow Endless Round Sling	6,700	8,400	16,800
<b>20-ENR3X20</b>	3" x 20' Yellow Endless Round Sling	6,700	8,400	16,800
<b>20-ENR4X10</b>	4" x 10' Tan Endless Round Sling	8,500	10,600	21,200
<b>20-ENR4X16</b>	4" x 16' Tan Endless Round Sling	8,500	10,600	21,200
<b>20-ENR5X4</b>	5" x 4' Red Endless Round Sling	10,600	13,200	24,400
<b>20-ENR5X6</b>	5" x 6' Red Endless Round Sling	10,600	13,200	24,400
<b>20-ENR5X12</b>	5" x 12' Red Endless Round Sling	10,600	13,200	24,400
<b>20-ENR5X20</b>	5" x 20' Red Endless Round Sling	10,600	13,200	24,400
<b>20-ENR7X6</b>	7" x 6' Blue Endless Round Sling	17,000	21,200	42,400

## Nylon Twisted Eye to Eye Slings



### SINGLE-PLY 9,800 LB. TWISTED EYE TO EYE SLING

Part No.	Size	Choker	Vertical	Basket	Part No.	Size	Choker	Vertical	Basket
<b>20-EE1-9801X3</b>	1" x 3'	1,500	1,600	3,200	<b>20-EE1-9802X4</b>	2" x 4'	2,500	3,200	6,400
<b>20-EE1-9801X4</b>	1" x 4'	1,500	1,600	3,200	<b>20-EE1-9802X6</b>	2" x 6'	2,500	3,200	6,400
<b>20-EE1-9801X6</b>	1" x 6'	1,500	1,600	3,200	<b>20-EE1-9802X10</b>	2" x 10'	2,500	3,200	6,400
<b>20-EE1-9801X10</b>	1" x 10'	1,500	1,400	3,200	<b>20-EE1-9802X12</b>	2" x 12'	2,500	3,200	6,400
<b>20-EE1-9802X3</b>	2" x 3'	2,500	3,200	6,400	<b>20-EE1-9802X14</b>	2" x 14'	2,500	3,200	6,400

### DOUBLE-PLY 9,800 LB. TWISTED EYE TO EYE SLING

<b>20-EE2-9801X4</b>	1" x 4'	2,500	3,200	6,400	<b>20-EE2-9803X10</b>	3" x 10'	6,900	8,600	17,200
<b>20-EE2-9801X8</b>	1" x 8'	2,500	3,200	6,400	<b>20-EE2-9803X12</b>	3" x 12'	6,900	8,600	17,200
<b>20-EE2-9802X3</b>	2" x 3'	5,000	6,400	12,800	<b>20-EE2-9803X16</b>	3" x 16'	6,900	8,600	17,200
<b>20-EE2-9802X4</b>	2" x 4'	5,000	6,400	12,800	<b>20-EE2-9803X20</b>	3" x 20'	6,900	8,600	17,200
<b>20-EE2-9802X6</b>	2" x 6'	5,000	6,400	12,800	<b>20-EE2-9804X6</b>	4" x 6'	9,200	11,500	23,000
<b>20-EE2-9802X8</b>	2" x 8'	5,000	6,400	12,800	<b>20-EE2-9804X8</b>	4" x 8'	9,200	11,500	23,000
<b>20-EE2-9802X10</b>	2" x 10'	5,400	6,500	12,800	<b>20-EE2-9804X10</b>	4" x 10'	9,200	11,500	23,000
<b>20-EE2-9802X12</b>	2" x 12'	5,400	6,500	12,800	<b>20-EE2-984X12</b>	4" x 12'	9,200	11,500	23,000
<b>20-EE2-9802X16</b>	2" x 16'	5,400	6,500	12,800	<b>20-EE2-984X16</b>	4" x 16'	9,200	11,500	23,000
<b>20-EE2-9802X20</b>	2" x 20'	5,400	6,500	12,800	<b>20-EE2-984X20</b>	4" x 20'	9,200	11,500	23,000
<b>20-EE2-9802X30</b>	2" x 30'	5,400	6,500	12,800					

### THREE-PLY 9,800 LB. TWISTED EYE TO EYE SLING

<b>20-EE3-9802X6</b>	2" x 6'	6,600	8,300	16,600	<b>20-EE3-9802X20</b>	2" x 20'	6,600	8,300	16,600
<b>20-EE3-9802X10</b>	2" x 10'	6,600	8,300	16,600	<b>20-EE3-9802X30</b>	2" x 30'	6,600	8,300	16,600


## WARNING

Please read and comply with all warnings on labels and packaging. Failure to do so may result in loss of load, serious property damage, and/or personal injury!

DO NOT exceed the rated capacity shown on the package and label attached to the strap. For examples of out-of-service criteria, please see page 74.

For Operating and Inspection Manuals for synthetic Web Slings, see the Web Sling and Tie Down Association Publication WSTDA-WS-2.

For Operating and Inspection Manuals for polyester Round Slings, see the Web Slings and Tie Down Association Publication WSTDA-RS-2.



From our breakthrough deck and loading systems to our track, beams, bars and hoops, Ancra's interior van products meet your full range of load requirements, from standard-duty and cost-effective easy use, to heavy-duty maximum restraint.

- ▶ Loading systems made to match your particular application
- ▶ Track is coated and treated with high quality finishes for corrosion resistance
- ▶ Beams and bars are versatile and provide the best possible strength-to-weight ratio
- ▶ Replaceable parts add to the life and efficiency of your equipment
- ▶ Strength tested and proven

## The most popular patented solution for decking loads in trailer and truck bodies.

With Ancra's patented adjustable second deck in your trailer, you can carry double the amount of palletized freight. Or you can mix loads with only part of the truck double decked. Either way, you can increase your hauling capacity – and your profits. For the loads where you need full height, you simply push the adjustable beams to the roof for convenient and safe storage. No more beams left on the loading dock. The Ancra Lift-A-Deck® II system is the most versatile you can install. With four track styles to choose from, installations can be made on any type of truck construction, including sheet and post. Lift-A-Deck II track can also be used with a wide range of Ancra accessories for cargo containment. *For information about Ancra's two-year warranty, call our Customer Service at 800-929-2627.*



PATENTED

### Lift-A-Deck® II

**Convenient storage.**

When not in use, beams are easily pushed to the roof for secure storage. No more lost beams.

**Easy operation.**

Beams are easily moved by one operator.

**Super strength.**

Ancra standard beams have the highest rating in the industry – 2,200 lbs./ 1,000 kg.

**Wide range of accessories.**

Lift-A-Deck II track can be used for securing loads with cargo straps, tie-offs, and decking/shoring beams.



**Fits all trailers.**

Available for 96- or 102-inch trailer widths. And height can be specified. Track also can be made as an integral part of sidewall structure.

**Versatile.**

Beams can be adjusted in one-inch increments to accommodate various loads within a trailer. Only Ancra offers this much adjustability.

**Snag resistant.**

Low profile track design with sloping shoulders helps protect against forklift damage and allows for surface mounting. Standard track length is 72-inches, custom lengths available.

**Simple, yet secure.**

Double-engagement lock on the aluminum beam features a simplified trigger release mechanism. Internal locking design helps protect against forklift damage.



## Lift-A-Deck® II

### ONLY ANCRA GIVES YOU SO MANY DECKING OPTIONS.

- ▶ Lift-A-Deck informational video available upon request
- ▶ Standard beams have a decking working load limit of 2,200 lbs., heavy-duty beams have a decking working load limit of 3,000 lbs.
- ▶ Beams can be positioned in one-inch increments for most efficient utilization of space.
- ▶ Beams easily moved by just one operator.
- ▶ Internal locking mechanism to help protect against forklift damage.
- ▶ Off-set foot beams are 4" higher than the standard beams and allows for beam storage at ceiling height previously prevented by interior wall rails.

### STANDARD BEAMS W/ LOW PROFILE FOOT AND CHANNEL ASSEMBLY

Decking and Shoring WLL: 2,200 lbs./999 kg.\*



#### 49414-15

Adjustment range: 93.50 to 103.75 inches (237.49 to 263.53 cm)

#### 49414-19

Heavy duty beams  
Adjustment range: 94.50 to 104.70 inches. (240 cm to 265.9 cm.)  
Decking WLL: 3,000 lbs./1,360 kg.  
Shoring WLL: 2,500 lbs./1,135 kg.\*

### STANDARD BEAMS W/ LOW PROFILE OFF-SET FOOT AND CHANNEL ASSEMBLY

Decking WLL: 2,200 lbs./999 kg.\* Shoring WLL: 1,450 lbs./658 kg.\*



#### 49414-17

Adjustment range: 93.50 to 103.75 inches (237.49 to 263.53 cm)

#### 49414-23

Heavy duty beams  
Adjustment range: 94.50 to 104.70 inches. (240 cm to 265.9 cm.)  
Decking WLL: 3,000 lbs./1,360 kg.\*  
Shoring WLL: 1,450 lbs./1,658 kg.\*

### BEAM ACCESSORIES AND COMPONENTS



#### 41332-10

Standard Beam Extrusion - Length: 89.80 inches (228 cm)

#### 41332-11

Heavy Duty Beam Extrusion - Length: 90.71 inches (232.9 cm)



#### 49445-10

Beam Release Bar



#### 49811-10

Low Profile Foot and Channel Assembly



#### 49414-54

Off-Set Foot and Channel Assembly



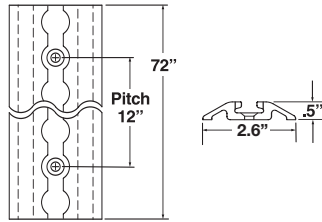
**49384-12** Beam Stop

\* Note: Consult trailer or truck body/chassis manufacturer for recommended load capacity of second deck.

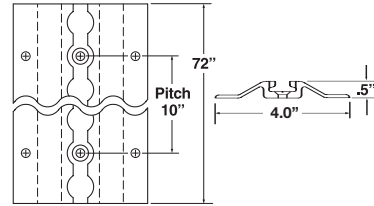
## Lift-A-Deck® II

### LIFT-A-DECK® II TRACK OPTIONS

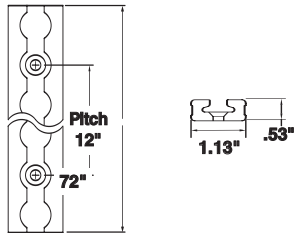
- ▶ Widest choice of track types to meet every application.
- ▶ No track lubrication is required
- ▶ Beam access slot is provided as standard for all tracks for easy beam removal and replacement. Standard track length is 72 inches (16 inch loadable). Custom lengths and an installation manual are available upon request.



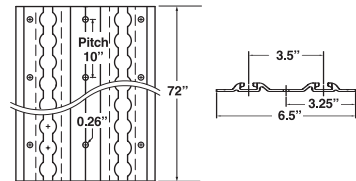
**49363-10-72.00**  
Low Profile Single Row S-Track.  
72-inch.



**49363-14**  
Low Profile Single Row Flanged  
S-Track. 72-inch.



**49562-13-72.00**  
Standard Single Row S-Track. 72-inch.



**49363-15**  
Double Row Flanged S-Track.  
72-inch.

### LIFT-A-DECK® II LOGISTIC STRAPS



6,000 lb. Polyester Webbing (47200) with Cam Buckle (40880-19) and (47556-11) Double Stud Fitting

Working Load Limit: 833 lbs./378 kg.

Part No.	Length	Weight
<b>40602-94</b>	12 ft.	2.00 lbs.
<b>40602-95</b>	16 ft.	2.20 lbs.
<b>40602-96</b>	20 ft.	2.50 lbs.



6,000 lb. Polyester Webbing (47200) with Ratchet Buckle (44258-13) and (47556-11) Double Stud Fitting

Working Load Limit: 1,000 lbs./454 kg.

Part No.	Length	Weight
<b>48672-16</b>	12 ft.	3.30 lbs.
<b>48672-17</b>	16 ft.	3.40 lbs.
<b>48672-18</b>	20 ft.	3.50 lbs.

## Fold-A-Deck®

### Double deck your trailer to increase your revenue per mile.

Ancra's Fold-A-Deck® system lets you configure your trailer to carry any type of cargo from barrels to boxes.



#### Increased cargo increases your profits

Ancra's Fold-A-Deck stores compactly at the side wall, always ready to work. When needed, it simply folds down. An operator can configure a trailer in just minutes. When not needed, the system simply folds back, out of the way. This versatile decking system pays for itself by maximizing the trailer cube and reduced claims for damaged cargo.



For the Fold-A-Deck system for your application, contact Ancra Customer Service at 1-800-929-2627.

## Pallet Deck

### MORE PALLETS, MORE PROFITS.

- ▶ Ancra's Pallet Deck adds another deck to double your freight and your profits, as well as reduce damage claims.
- ▶ Strong but lightweight, Pallet Deck is built from zinc flo-coat material in a patented process that heat treats the metal throughout, adding a rust-resistant layer inside and out.
- ▶ There's no paint to crack, chip or peel, and the deck securely holds a pallet of 5,000 lbs.



#### 49988-10

2" x 2" square tube with zinc flo-coat finish.  
 Dimensions: 46" deep x 92" wide x 56" high  
 Weight: Approximately 300 lbs./ 136 kg.  
 WLL: 5,000 lbs. (evenly distributed)



## Retract-A-Roll® II Your trailer can lead a double life.

If your trailer could do double duty, think how profitable it would be. Whether the job calls for a flat floor for general freight, or handling containerized air cargo or palletized freight, there's a Retract-A-Roll® II system for you. *Plus, only Ancra offers an Ironclad™ Unconditional Two-year Air Bag Warranty – the best in the industry.\**



### Heavy cargo simply rolls on and off the truck.

The Ancra Retract-A-Roll II pneumatic roller track system is the next generation in ultra-efficient material handling systems. Cargo can be loaded and unloaded quickly; speeding turnaround, reducing handling time and lowering labor costs. And regardless of the application, it can reduce deadhead loads and increase trailer utilization.

### Engineered to weigh less and carry more.

The use of extruded aluminum on main and roller channels saves weight for maximum payload, while adding strength. High-tensile folded steel top plate stands up to forklifts without complaint. Galvanized finish resists corrosion. Rollers are easy to replace in the unlikely event one gets damaged. And the Ancra Wear Guard® offers exclusive 360° air bag protection and the industry's best air bag warranty.

### Easy to operate.

Simple controls are quickly learned by operators. Primary and back-up controls are housed in a composite weatherproof enclosure. The low-pressure pneumatic system uses the truck's existing air supply. There is no need for an external air source.

\*Call Ancra Customer Service at 800-929-2627 for complete warranty information.

### Exclusive safety interlock.

If rollers are not lowered by the operator, a control valve automatically lowers rollers when the vehicle's brakes are released.

### Easy to operate.

Low pressure pneumatic system runs off your truck's air supply. No other air supply is needed.

### Light, strong and rugged.

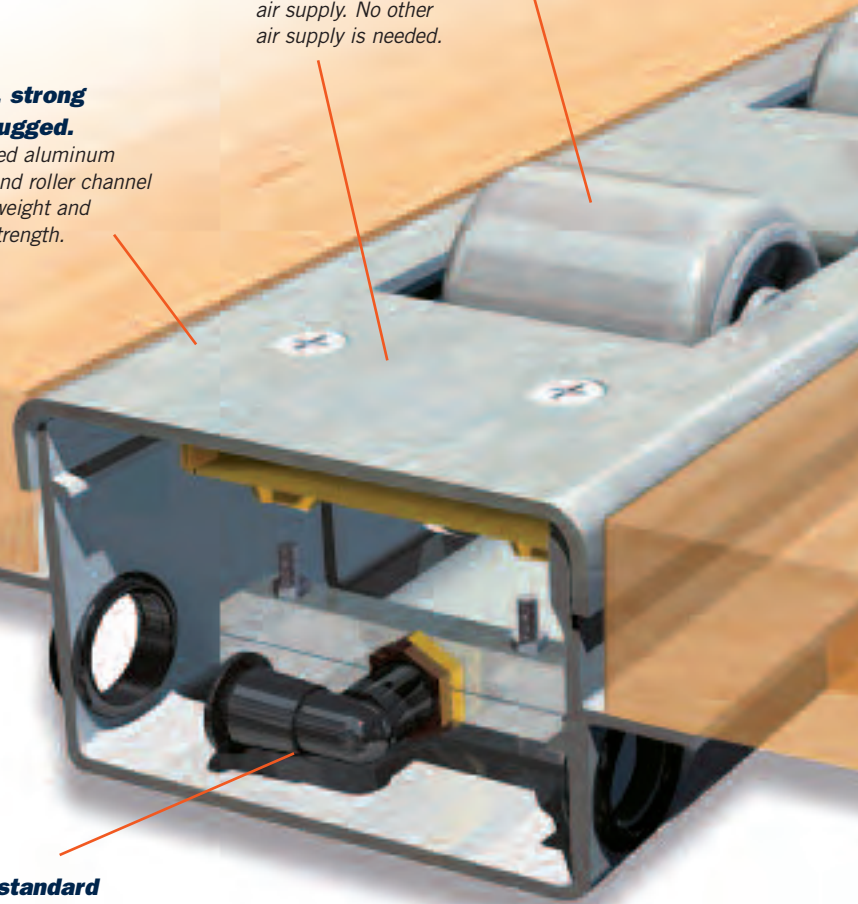
Extruded aluminum main and roller channel saves weight and adds strength.

### Industry-standard connectors.

Standard DOT fittings and 3/8" air line used throughout for reliability, serviceability and for reduced cycle times.

### Centralized controls.

Easy-to-use controls are housed in a weatherproof container.





**Heavy-duty top plate.**

Hi-tensile, 11-gauge folded steel top plate with reinforcing ribs takes the abuse of forklifts. Galvanized finish fights corrosion.

**Fast operation.**

Rollers take less than 15 seconds to raise.

**Flanged roller opening.**

Helps prevent debris collection in roller cradle and reduces clean out requirement. It also increases top plate stiffness.



**Air bag protection.**

Ancra's exclusive air bag sleeve offers 360° protection plus the industry's best air bag warranty.

**Simple roller replacement.**

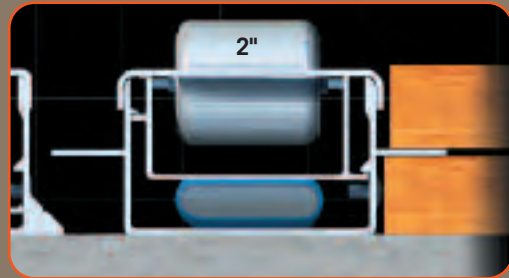
Rollers can be easily replaced by removing a spring clip.



**Easier top plate removal.**

The unique, patented Ancra top plate retention system needs only two screws and two anchor pins per track module which significantly reduces the time for inspection and maintenance. Heavy-duty retention plate with welded nuts ensures long life.

**PATENTED**



**Better design.**

The patented Ancra Retract-A-Roll II uses internal stops in the main channel to limit the roller channel lift. Competitors' roller track designs use the top plate as the roller channel stop, and require more fasteners to hold it in place. Rollers are 2-inch widths.

**Easy installation.**

Flanges on the side of the track make installation easier and help insure a water-tight floor structure. Track is available with bottom-flange mount or center-flange mount to meet your particular application.



**Roller cradle.**

Unique, patented tilt-out design makes inspection and maintenance a breeze.

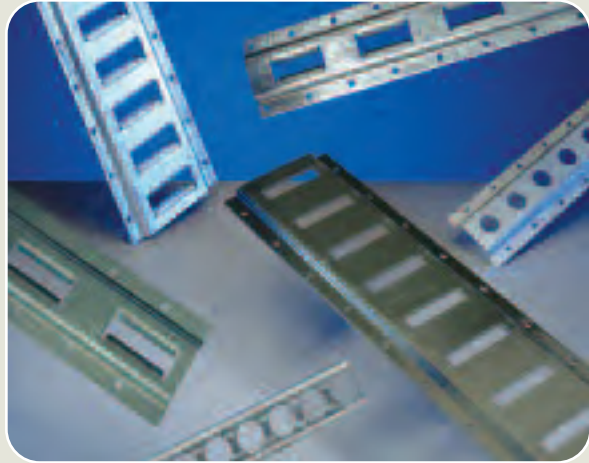
**RETRACT-A-ROLL II SPECIFICATIONS**

Track width:	4.2 inches / 107 mm
Track height:	2.75 inches / 70 mm
Track weight:	7.2 lbs/ft / 10.7 kg/m (3" roller, 4" pitch)
Inflated height:	3.3 inches / 84 mm
Roller width:	2.0 inches / 51 mm (air freight)
Roller spacing:	4" / 6" straight pitch / 102 / 152 mm
Track lengths:	8', 10' and 13' standard 2.4 m, 3 m, 4 m standard (custom lengths available)
Lifting capacity:	450 lbs/ft / 671 kg/m
Bearing capacity: (standard duty)	500 lbs/ft / 745 kg/m
Operating air pressure:	30 psi / 2 bar
Control box:	weatherproof composite construction with centralized controls.

## The Right Track

Ankra Series E, A and F Track were designed to team with Ankra end fittings, Beam Sockets and Decking and Shoring Beams for the strongest, most reliable support. Steel constructed and tested for strength, Ankra Track comes in 10 ft. (3 m) lengths for a wide range of cargo restraint applications. To withstand corrosion, Ankra galvanized track has a G-90 hot dip finish with a surface chemical treatment. Painted track are finished with either high-quality, powder coat or semi-gloss enamel. Custom lengths and special finishes available, contact customer service.

**WARNING:** Reference TTMA RP No. 47-99 for installation. Attach track using screws, rivets or by welding. Contact vehicle manufacturer or qualified installer to determine fastener size and mounting method. Welding of galvanized material may emit toxic fumes. Please use caution and proper ventilation.

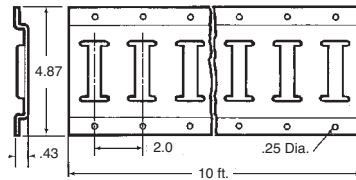


## Logistic Track

### SERIES E

Series E track is made of high strength 12-gauge steel for Series E end fittings, Beam Sockets and Decking/Shoring Beams. (See products on page 42, 43 and 46.) These tracks may be attached with screws, rivets, or by welding.\*

### HORIZONTAL



#### 48117-25-120.00

Green Primer. Weight/Length: 16.6 lbs./10 ft. 7.5 kg./3 m

#### 48117-25-60.00

Green Primer. Weight/Length: 8.3 lbs./5 ft. 3.77 kg./1.5 m  
Strength: 50,000 lbs. minimum yield

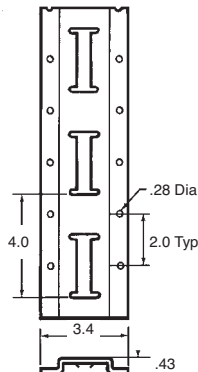
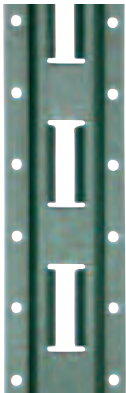
#### 48117-21-120.00

Galvanized. Weight/Length: 17.2 lbs./10 ft. 7.8 kg./3 m

#### 48117-21-60.00

Galvanized. Weight/Length: 8.6 lbs./5 ft. 3.90 kg./1.5 m  
Strength: 50,000 lbs. minimum yield

### VERTICAL



#### 40838-10

Green Primer.  
Weight/Length: 13.5 lbs./10 ft.  
6.1 kg./3 m  
Strength: 50,000 lbs. minimum yield

#### 40838-11

Galvanized.  
Weight/Length: 14 lbs./10 ft.  
6.4 kg./3 m  
Strength: 50,000 lbs. minimum yield

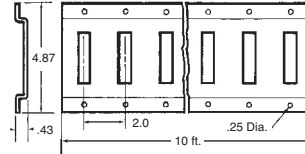
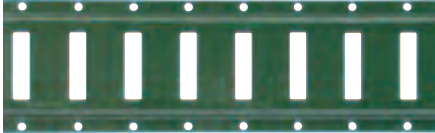
*\* Caution: Welding of galvanized track should be done only in well ventilated areas. Welding fumes may be toxic.*

## Logistic Track

### SERIES A

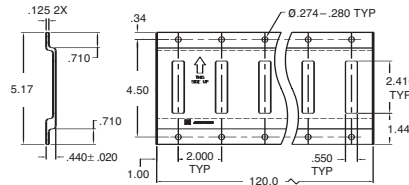
Series A track, made of high strength steel or 6061 T6 aluminum, is designed for Series E end fittings, Beam Sockets and Decking/Shoring Beams. (See products on page 42, 43 and 46.) These tracks may be attached with screws, rivets, or by welding.\*

#### HORIZONTAL



#### 42948-10

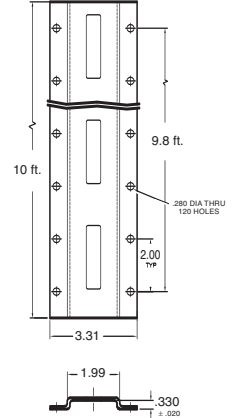
Green Enamel Paint. Weight/Length: 15.0 lbs./10 ft. 6.8 kg./3 m. 12-gauge. Strength: 50,000 lbs./22,727 kg. minimum yield.



#### 49359-10

Aluminum. Weight/Length: 8 lbs./10 ft. 3.6 kg./3 m. Strength: 35,000 lbs./15,909 kg. minimum yield.

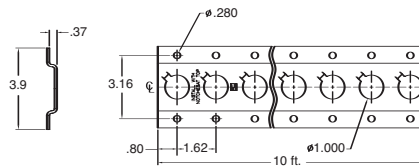
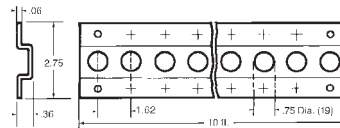
#### VERTICAL



#### 48111-10

Green Enamel Paint. Weight/Length: 13.30 lbs./10 ft. 5.9 kg./3 m.

**SERIES F** Series F track is made of high strength steel for F end fittings and Shoring Beams. (See products on page 43.) These tracks may be attached with screws, rivets, or by welding.\*



**40849-14** Galvanized. 1.62 in. hole spacing. Weight/length: 6.0 lbs./10 ft., 2.7 kg./3 m. 15-gauge.

**40849-12** Galvanized. 1.62 in. hole spacing. Weight/length: 6.0 lbs./10 ft., 2.7 kg./3 m. 14-gauge. Strength: 50,000 lbs./22,727 kg. minimum yield.

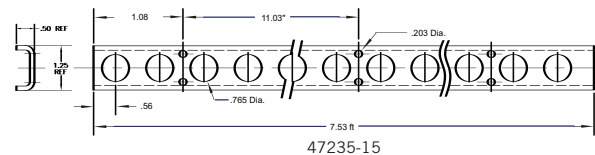
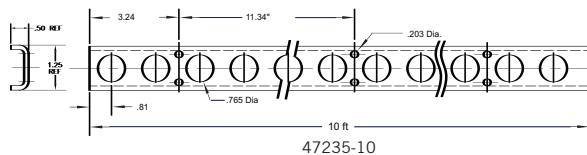
**49313-13** Galvanized. 1.62 in. hole spacing. Weight/length: 12.2 lbs./10 ft., 5.53 kg./3 m. 12-gauge. Strength: 45,000 lbs./20,430 kg. minimum yield.

#### SERIES F CHANNEL



**47235-10** Galvanized. 1.62 in. hole spacing. Weight/length: 9.0 lbs./10 ft., 4.05 kg./3 m. Strength: 50,000 lbs./22,727 kg. minimum yield.

**47235-15** Galvanized. 1 in. hole spacing. Weight/length: 6.2 lbs./7.5 ft., 2.8 kg./2.25 m. Strength: 50,000 lbs./22,727 kg. minimum yield.



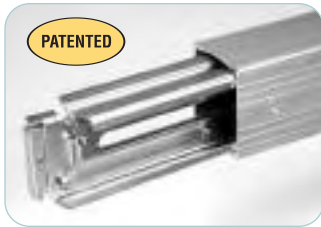
\* Caution: Welding of galvanized track should be done only in well ventilated areas. Welding fumes may be toxic.

## Beams, Bars & Hoops

All the selection you'll ever need and innovation too. Ancra gives you a choice in shoring beams with steel, aluminum, and heavy-duty aluminum models available. In addition, we also offer a new, patented flat latch mechanism that eliminates the age old problem of damaged trigger mechanisms. It's easier to release, even while wearing gloves. There is even a replacement flat latch channel assembly that can be used to update your existing beams. Extend beam life and keep your costs low.

### STANDARD-DUTY SERIES E AND A DECKING/SHORING BEAM WITH PATENTED FLAT LATCH

Decking and Shoring WLL: 2,200 lbs./999 kg.\*



#### 43638-50

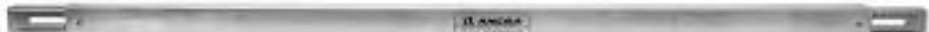
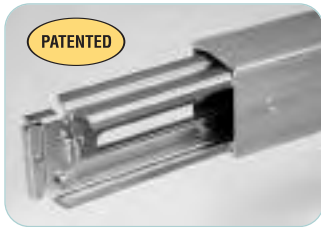
Adjustable Range/Weight:  
85.7 – 96.6 in./16.0 lbs./7.27 kg.

#### 43638-51

Adjustable Range/Weight:  
92.0 – 102.9 in./18.8.0 lbs./8.55 kg.

### HEAVY-DUTY SERIES E AND A BEAM ASSEMBLY WITH PATENTED FLAT LATCH

Decking WLL: 3,000 lbs./1,363 kg.\* Shoring WLL: 2,500 lbs./1,136 kg.\*



#### 49039-50

Adjustable Range/Weight:  
83.7 – 94.7 in./20.50 lbs./  
9.32 kg.

#### 49039-51

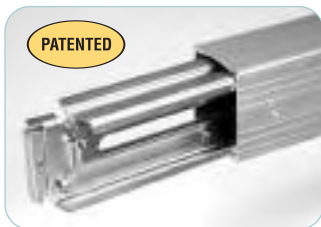
Adjustable Range/Weight:  
91.9 – 102.9 in./22.5 lbs./  
10.23 kg.

#### 49039-52

Adjustable Range/Weight:  
94.8 – 105.8 in./24.5 lbs./  
11.03 kg.

### SERIES E AND A STEEL DECKING/SHORING BEAM WITH PATENTED FLAT LATCH

Decking WLL: 2,000 lbs./900 kg. Shoring WLL: 1,100 lbs./499 kg.\*



#### 49360-13

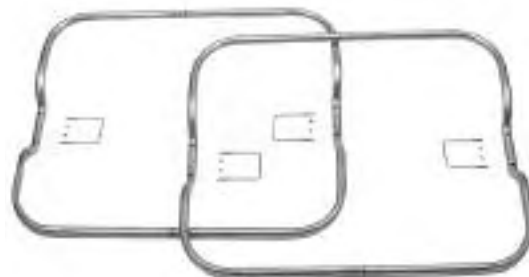
Adjustable Range/Weight: 92.1 – 102.9 in./34 lbs./15.46 kg. 14 gauge steel.

### DECKING BEAM HOOPS

#### 47670-10

Designed to help restrain the movement of packages of cargo within your truck or trailer. Two hoops and attachment hardware are included providing easy mounting. For 43638, 49039 and 49360 series E and A Decking/Shoring Beams.

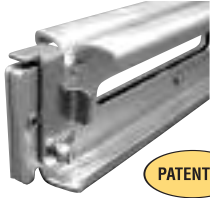
Weight: 13.25 lbs./6.01 kg.



\*Working Load Capacity is 1/3 of Breaking Strength Capacity, and based on evenly distributed loads.

## Beams, Bars & Hoops

### REPLACEMENT PARTS

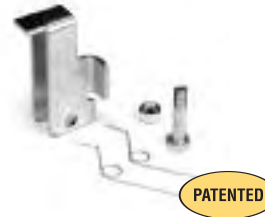


PATENTED

**43627-13**  
Replacement Channel Assembly with patented flat latch. 11 Gauge. Weight: 3.8 lbs./1.73 kg. For aluminum beams 43638 and 49039. Can be retrofitted into conventional trigger-style beams.



**41338-10**  
Attaching Pin. Weight: .10 lbs./05 kg. For aluminum beams 43638 and 49039.



PATENTED

**45951-12**  
Flat Latch Repair Kit. Includes latch, screw, nut, springs & instructions. Weight: .14 lb./06 kg. For Part No. 43627-13 channel assembly.



**45951-11**  
Trigger Repair Kit. Includes spring, keeper and rivet. Weight: .20 lb./09 kg. For Part No. 43627-12 and 49361-10 channel assemblies

### GARMENT BEAMS WLL: 1,500 lbs./681 kg.\*



Specially designed for transporting hanging garments suspended from rope loops in closed trailers. Features a curved top beam to reduce wear on ropes, and is made of high strength extruded aluminum for durability. Assembled with Ancra Beam Socket 40921-10.

**45867-12**  
Length/Weight: 96 in./14.0 lbs./6.36 kg.

**45867-13**  
Length/Weight: 102 in./15.0 lbs./6.82 kg.

### BEAM SOCKETS For use with standard commercial grade Douglas Fir 2-in. x 6-in. lumber. PLEASE NOTE: The working load limit of lumber varies widely.



**40921-10**  
Standard Beam Socket. Weight: .70 lb./32 kg.



**40921-11**  
Heavy-Duty Beam Socket. Internally welded plate for added strength. Weight: .85 lb./39 kg.

### SHORING BARS – F SERIES WITH NEW EASY PUSH BUTTON DESIGN



**49439-10**  
Round Shoring Bar. Adjustable in 2" increments to 117". Weight: 20.0 lbs./9.1 kg. Shoring WLL: 500 lbs./227 kg. Recommended installed length: 81" – 117". Outer tube diameter: 1.66"

**49439-11**  
Round Shoring Bar for 1" hole diameter track (Canada). Adjustable in 2" increments to 117". Weight: 20.0 lbs./9.1 kg. Shoring WLL: 500 lbs./227 kg. Recommended installed length: 81" – 117". Outer tube diameter: 1.66"



**49439-20**  
Square Shoring Bar. Adjustable in 2" increments to 117". Weight: 27.9 lbs./12.68 kg. Shoring WLL: 1,000 lbs./454 kg. Recommended installed length: 81" – 117". Tube size 2" square.

**49439-21**  
Square Shoring Bar for 1" hole diameter track (Canada). Adjustable in 2" increments to 117". Weight: 27.9 lbs./12.68 kg. Shoring WLL: 1,000 lbs./454 kg. Recommended installed length: 81" – 117". Tube size 2" square.

\*Working Load Capacity is 1/3 of Breaking Strength Capacity, and based on evenly distributed loads.

## Cargo Sta® Bars & Hoop Set

### ALUMINUM STANDARD CARGO STA®



**43782-15** 6061 T6 Aluminum.  
Length/Weight: 89.75 – 104.5 in./8.95 lbs./4.07 kg.  
Long Tube Diameter: 1.50 in.

**CAUTION:** Because trailer side walls vary, the cargo stays and jack bars do not have load capacities.

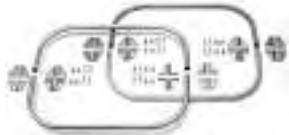
### ECONOMY STEEL CARGO STA® W/ BOLT-ON FEET



**48407-10** 15-gauge triple galvanized steel tubing.  
Length/Weight: 89.75 – 104.5 in., 11.72 lbs./5.33 kg. Long Tube Diameter: 1.50 in.

**48407-14**  
With large bolt-on 4" x 4" feet. Length/Weight: 89.75 – 104.5 in., 11.72 lbs./5.33 kg. Long Tube Diameter: 1.50 in.

### HOOP SET FOR CARGO STA®



**43991-10**  
Designed to help restrain the movement of small packages of cargo within your truck or trailer. Two hoops and attachment hardware are included providing easy mounting. For 43782, 48407 round tube bars. Tube Diameter: 1.5 in. Weight: 10.0 lbs./4.5 kg.

### CARGO STA® REPLACEMENT



**43775-15** Aluminum.  
Tube Fixed End (long) for 43782-15.  
Length: 1.5 x 77 in. Weight: 2.91 lbs./1.32 kg.

### JACK BAR REPLACEMENTS



Foot, Adjustable End (short)

**43781-15**  
2 in. x 4 in. Bolt-On.  
Weight: .78 lb./.36 kg. For 43782-15, 47209-10, 48407-10.

**43781-17**  
4 in. x 4 in. Bolt-On.  
Weight: 1.35 lbs./.61 kg. For 48407-14, 49205-26, 49205-27, 49205-31.



Foot, Fixed End (long)

**43781-14**  
2 in. x 4 in. Bolt-On.  
Weight: .62 lb./.29 kg. For 43782-15, 47209-10, 48407-10.

**43781-16**  
4 in. x 4 in. Bolt-On.  
Weight: 1.1 lbs./5 kg. For 48407-14, 49205-26, 49208-27, 49205-31.



**47523-13** Housing Rack, Lever Assembly.  
For Cargo Sta 43782-15, 48407-10 and 11.  
Includes trigger, set screw, rack and lever.  
Weight: 2.12 lbs./97 kg.



**49400-10** Jack Assembly Kit.  
Complete kit includes one jack assembly, one adjustable end foot, one fixed end foot and necessary hardware. For Jack bars 49205-26, -27 and -31.  
Weight: 8.10 lbs./3.67 kg.

## Heavy-Duty Jack Bars

Jack Bars feature 4" x 4" bolt-on feet assemblies and are designed for use in light- to medium-duty cargo applications. They feature 1-1/2" square heavy-gauge, galvanized steel tubing with a cycle tested, heavy-duty automotive jack assembly. All jack bars can be assembled with welded hoops or in 2- or 3-piece models. **CAUTION: Because trailer sidewalls vary, the Cargo Sta® and Jack Bars load capacities are not available.**

### HEAVY-DUTY ONE-PIECE GALVANIZED



#### 49205-26

Weight: 18 lbs./8.19 kg. Adjustment range: 85.0 in. – 114.0 in.

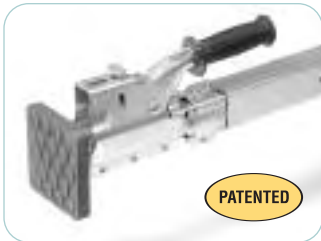
### HEAVY-DUTY ONE-PIECE GALVANIZED WITH HOOPS



#### 49205-27

Weight: 25 lbs./11.37 kg. Adjustment range: 85.0 in. – 114.0 in.

### UNIVERSAL JACK BAR



PATENTED

#### 49205-31

Weight: 16.2 lbs./7.3 kg.

- 51" size used to restrain half loads; compact to fit in locked tool box
- Useful in various load configurations through the universal design.



Fully Retracted

Adjustment Range: 51" – 80"



Mid Extension

Adjustment Range: 70" – 99"



Full Extension

Adjustment Range: 85" – 114"

## Accessories



### CARGO BAR HOLDER

Constructed of rust-resistant galvanized steel, the Ankra Cargo Bar Holder holds two heavy-duty or standard-duty cargo bars. The Cargo Bar Holder has a locking mechanism and accommodates both 2" x 4" or 4" x 4" feet.

**49348-10**

Weight: 6.875 lbs./3.11 kg.



### DOOR PULL STRAPS

For pulling overhead and side doors and wheel carts. Rust protected galvanized steel clip is pre-punched for easy installation.

**49015-18**

**49015-24**

**49015-36**

18-in. Door Pull Strap.

24-in. Door Pull Strap.

36-in. Door Pull Strap.

Weight: .20 lb./0.09 kg.

Weight: .30 lb./0.14 kg.

Weight: .40 lb./0.18 kg.

### TIE OFFS A convenient way to attach rope or web to trailer side wall.



**40386-10**

Series E and A Rope Tie Off. 3-piece end fitting for rope use with Series E or Series A Track. WLL: 1,000 lbs./454 kg. Weight: .30 lb./0.14 kg.



**40386-12**

Series F Rope Tie Off. For rope use with Series F Track. WLL: 500 lbs./227 kg. Weight: .30 lb./0.14 kg.

**40386-13**

For rope use with Series F Track Canada. WLL: 500 lbs./227 kg. Weight: .30 lb./0.14 kg.



**40386-11**

Series E and A Rope Tie Off. Spring actuated fitting for rope use with Series E or Series A Track. WLL: 1,000 lbs./454 kg. Weight: .40 lb./0.18 kg.



**49542-10**

Series E and A Fitting w/ D-Ring. WLL: 1,000 lbs./454 kg. Weight: .34 lb./0.15 kg.



**47772-12**

Series E and A Articulated Track Fitting. WLL: 1,000 lbs./454 kg. Weight: .45 lb./0.20 kg.

### TRUCK & TRAILER FITTINGS

Designed for low-profile mounting in trucks and trailers, the Recessed Pan Fitting is tensioned to reduce ring movement, but allows easy lifting. The Stake Pocket Anchor can be surface or flush mounted and accepts roll cart lock pins.



**45545-15**

With black trim collar. WLL: 530 lbs./240 kg. Weight: .30 lb./0.14 kg.



**49371-10**

Stake Pocket Anchor. Conforms to USPS drawing B-13956. Black Lacquer Finish. Weight: 0.98 lb./0.44 kg.



**45849-13**

Recessed Pan Fitting. WLL: 1,666 lbs./757 kg. Weight: 1.20 lbs./0.55 kg.

### TRANSMAT® FRICTION MAT

These durable rubber mats offer stability to any load and reduce risk of load shifting in box cars or intermodal transport.

- ▶ Coefficient of friction of 1.2 min
- ▶ Shore A hardness of 35-55 points
- ▶ Meets new minimum 1g loading regulations



**49382-10**

Sheet 30" x 42" 2mm thick

**49382-11**

Roll 30" x 1900' 2mm thick



**49382-13**

30" x 7' 2mm thick display packaged





## Tension-Limiting Ratchet Assemblies



PATENTED

Working Load Limit: 1,000 lbs./454 kg.

Ripped out logistic tracks and buckled side walls caused by overzealous tightening of the ratchet buckle are things of the past. Ancra ends that worry with the Tension-Limiting Ratchet Buckle. It will tighten to 300 pounds of tension, and no more. It's enough force to secure the cargo but not enough to damage your truck. Not even your strongest guys can apply too much force.

### How it works

Once the strap is installed in the tracks, ratchet the strap normally. When proper tension is reached, the handle releases and no more tension can be applied. No matter how zealous you ratchet, you can never go too tight.



*Detents in the handle are designed to release at preset loads that will hold the cargo securely, but not damage the vehicle or the cargo.*



Assemblies are available with Low Profile (49715-10, patented) or Heavy Duty (49410-13, patent pending) long handle buckles. There are six Torque-Limiting Ratchet Buckle Straps available and strap lengths from 12 to 20 feet to meet every cargo requirement.



Series E Heavy Duty Buckle Strap w/ Spring E Fitting.



Series E Low Profile Buckle Strap w/ Spring E Fitting.

Part No.	Strap Length	Weight	Webbing Polyester
<b>49021-30</b>	12 ft.	4.50 lbs.	12,000 lbs.
<b>49021-31</b>	16 ft.	5.00 lbs.	12,000 lbs.
<b>49021-32</b>	20 ft.	5.50 lbs.	12,000 lbs.

Part No.	Strap Length	Weight	Webbing Polyester
<b>48672-33</b>	12 ft.	4.00 lbs.	4,500 lbs.
<b>48672-34</b>	16 ft.	4.10 lbs.	4,500 lbs.
<b>48672-35</b>	20 ft.	4.20 lbs.	4,500 lbs.

## Tiedown Straps & Assemblies

Combining Ancra's sturdy steel cam buckles with our cut-resistant webbing in lengths of 12, 16, and 20 feet, the Cam and Ratchet Buckle Strap Assemblies offer quick securement for light to medium loads. The standard fixed end length for all straps is 48". Built on a reputation for dependability and strength, these strap assemblies promise the quality that comes with every product that bears the Ancra name.



### Cam Buckle Strap Assemblies

6,000 lb. Polyester Webbing (47200) with Cam Buckle 40880-19

#### SERIES E STRAP ASSEMBLY Working Load Limit: 833 lbs./378 kg.



Series E Assembly with 3-piece end fitting.



Part No.	Strap Length	Weight
<b>40602-10</b>	12 ft.	1.90 lbs.
<b>40602-11</b>	16 ft.	2.10 lbs.
<b>40602-12</b>	20 ft.	2.40 lbs.



Series E Assembly with spring-actuated end fitting.



Part No.	Length	Weight
<b>40602-17</b>	12 ft.	1.90 lbs.
<b>40602-18</b>	16 ft.	2.10 lbs.
<b>40602-19</b>	20 ft.	2.40 lbs.

#### SERIES F STRAP ASSEMBLY Working Load Limit: 500 lbs./227 kg.



Part No.	Length	Weight
<b>40602-20</b>	12 ft.	1.70 lbs.
<b>40602-21</b>	16 ft.	1.90 lbs.
<b>40602-22</b>	20 ft.	2.20 lbs.

#### SLAT STRAP ASSEMBLY Working Load Limit: 833 lbs./378 kg.



Part No.	Length	Weight
<b>40602-23</b>	12 ft.	1.80 lbs.
<b>40602-24</b>	16 ft.	2.00 lbs.
<b>40602-25</b>	20 ft.	2.30 lbs.

Please note: Ancra webbing comes in three colors, coded according to lengths. 12 ft. webbing is yellow, 16 ft. webbing is gray, 20 ft. webbing is blue. End fitting part numbers are shown for reference only.

## Cam Buckle Strap Assemblies

**ELECTRONIC STRAPS** Working Load Limit: 833 lbs./378 kg.



An additional E fitting allows for increased adjustability for various applications.



Part No.	Length	Weight
<b>49025-20</b>	12 ft.	2.20 lbs.
<b>49025-21</b>	16 ft.	2.40 lbs.
<b>49025-22</b>	20 ft.	2.70 lbs.

**PLATE TRAILER STRAPS** Working Load Limit: 830 lbs./ 376 kg.



Cam Buckle Strap w/ Wire Hook & Spring E Fitting.



Part No.	Strap Length	Weight
<b>48253-19</b>	12 ft.	2.10 lbs.
<b>48253-20</b>	16 ft.	2.30 lbs.
<b>48253-21</b>	20 ft.	2.60 lbs.



Cam Buckle Strap w/ F Hook & Spring E Fitting.



Part No.	Strap Length	Weight
<b>48253-22</b>	12ft.	2.32 lbs.
<b>48253-23</b>	16 ft.	2.52 lbs.
<b>48253-24</b>	20 ft.	2.82 lbs.



Cam Buckle Strap w/ Wire Hooks.



Part No.	Strap Length	Weight
<b>40602-97</b>	12ft.	1.50 lbs.
<b>40602-98</b>	16 ft.	1.60 lbs.
<b>40602-99</b>	20 ft.	1.70 lbs.

## Ratchet Buckle Strap Assemblies

**PLATE TRAILER STRAPS** Working Load Limit: 830 lbs./ 376 kg.



Ratchet Buckle Strap w/ Wire Hook & Spring E Fitting.



Part No.	Strap Length	Weight
<b>48253-13</b>	12 ft.	3.40 lbs.
<b>48253-14</b>	16 ft.	3.50 lbs.
<b>48253-15</b>	20 ft.	3.60 lbs.



Ratchet Buckle Strap w/ F Hook & Spring E Fitting.



Part No.	Strap Length	Weight
<b>48253-16</b>	12 ft.	3.62 lbs.
<b>48253-17</b>	16 ft.	3.72 lbs.
<b>48253-18</b>	20 ft.	3.82 lbs.



Ratchet Buckle Strap w/ Wire Hooks.



Part No.	Strap Length	Weight
<b>48672-22</b>	12 ft.	3.10 lbs.
<b>48672-23</b>	16 ft.	3.30 lbs.
<b>48672-24</b>	20 ft.	3.40 lbs.

**RATCHET BUCKLE STRAPS** Working Load Limit: 1,000 lbs./454 kg.



Series E Ratchet Buckle Strap w/ Spring End Fitting.

Features heavy-duty 6,000 lb. polyester webbing 47200 and standard handle ratchet buckle 44258-13 for durability and wear.

Part No.	Strap Length	Weight
<b>48672-13</b>	12 ft.	3.2 lbs.
<b>48672-14</b>	16 ft.	3.3 lbs.
<b>48672-15</b>	20 ft.	3.4 lbs.



Series E Heavy Duty.

Heavy-duty 12,000 lb. yellow polyester webbing 41632-13 and standard handle ratchet buckle 44627-11 for durability and wear. All yellow straps.

Part No.	Strap Length	Weight
<b>49021-20</b>	12 ft.	3.5 lbs.
<b>49021-21</b>	16 ft.	4.0 lbs.
<b>49021-22</b>	20 ft.	5.0 lbs.

## Tiedown Straps & Assemblies

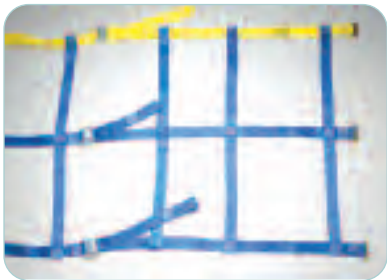
### GENERAL PURPOSE STRAP Working Load Limit: 1,000 lbs./454 kg. (Loop load)

Tiedown strap of strong 6,000 lb., 2" webbing 47200-62. Complete with Roller Buckle 41645-10 in three standard lengths. All blue straps.



Part No.	Strap Length	Weight
<b>41643-10</b>	12 ft.	.85 lbs.
<b>41643-11</b>	15 ft.	1.00 lbs.
<b>41643-12</b>	21 ft.	1.30 lbs.

### CUSTOM NETS



#### **Ancra custom solutions promise quality and performance.**

Designed for your particular van application, Ancra custom nets offer retention support for various sized and shaped packages. Using strong 1" or 2" webbing, they're individually tailored to fit your van and loading condition, assuring maximum effectiveness in transporting a load securely.

*Interior van straps should be inserted in track 18- to 24-inches behind the front edge of the load and cinched tight.*



## Specialty Auto Tiedowns

### SERIES E TRANSIT STRAP W/ RTJ HOOKS



Assembled with durable latex-treated polyester webbing (41632-13) and ratchet buckle (47105-11). Fixed end features a Series E & A Articulated Track Fitting (47772-12), and the adjustable end features a cluster hook (45515-10).

- 49023-20** 6-foot Strap
- 49023-21** 8-foot Strap
- 49023-22** 12-foot Strap

Working Load Limit: 1,000 lbs./454 kg.

### SERIES E TRANSIT STRAP W/ RTJ HOOKS



A simple, widely used method of auto transport for use in vans equipped with Series E or A Track. Made with Ratchet Buckle (44627-10), Spring E Fitting (47608-21) and Blue Polyester web (47200-62).

#### **48936-10**

12 ft. RO/RO Strap, Series E  
Working Load Limit: 1,000 lbs./454 kg.  
Weight: 3.65 lbs./1.66 kg.

## Specialty Auto Tiedowns

**TIEDOWN W/ SNAP HOOKS** Working Load Limit: 1,666 lbs./757 kg.



Ancra's tiedowns feature latex-treated polyester (41632-13) with ratchet buckle (47105-11) and snap hook (40084-14).

Part No.	Strap Length	Weight
<b>49020-20</b>	6 ft.	3.80 lbs./1.73 kg.
<b>49020-21</b>	8 ft.	4.44 lbs./2.02 kg.
<b>49020-22</b>	12 ft.	4.84 lbs./2.20 kg.

## AUTO HAULER WINCH STRAP

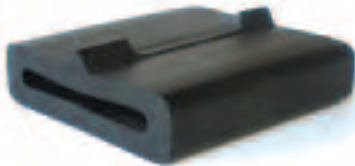


### 48487-12

2" x 106" Winch Strap w/ cleats

The auto tie-down strap goes over the tire and utilizes three cleated-rubber pads that mesh with the tread to keep the strap centered and secured.

## SINGLE CLEAT



### 48485-10

Rubber tread cleat for Auto Hauler Winch Strap. Used with 2-inch webbing to secure vehicle tire. Length: 3.0-in. Width: 2.8-in. Weight: .20 lbs./0.09 kg.

**SOFT TIEDOWNS** Ancra designs and manufactures a complete line of wheel dolly straps for towing automobiles. Three of the more popular designs are shown here. Call us about your specific requirements.

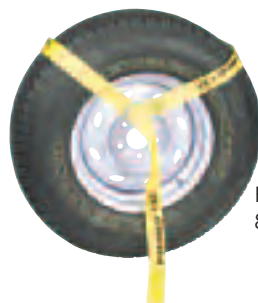


For tires  
7" W x 20" H

### BASKET STRAP

**45143-20**

Weight: 2.25 lbs./1.03 kg.



For tires  
8" W x 22" H

### WHEEL DOLLY STRAP

**47934-11**

Weight: 1.0 lbs./.46 kg.



For tires  
10" W x 24" H

### WHEEL DOLLY STRAP

**47935-11**

Weight: 1.50 lbs./.69 kg.

Our buckles, hooks, rings, track fittings and attachments are high-strength steel. Abrasion-resistant webbing is a trademark of Ancra quality. Standard or custom, these products are the core of Ancra's first-rate reputation.

- ▶ Quality materials and solid steel construction ensures longevity
- ▶ Positive locking feature for security
- ▶ Wide assortment of hardware for any application



## Utility Tiedowns

Ancra Utility Tiedowns are versatile and reliable for securing a wide range of light- to medium-duty cargo. Made of high-strength steel and abrasion-resistant webbing, they're quick and easy to use, for secure performance in recreational, light industrial, and agricultural applications. Other sizes and fittings available.

### MINI RATCHET STRAP



For medium-weight loads, with Flat Wire Hook and D-ring combination end attachment. Comes display packaged. WLL: 1,000 lbs./454 kg.

- 43887-10** 1" x 16' Weight: 1.56 lbs./71 kg.
- 43887-11** 1" x 20' Weight: 1.69 lbs./77 kg.

### ANCRA LASH WITH RATCHET BUCKLE STRAP



- 44557-10**  
15' long. Multi-purpose.  
WLL: 500 lbs./227 kg.  
Weight: .84 lb./38 kg.

### QWIK HOOK



- 49512-10**  
4-pack of universal truck bed hooks.  
WLL: 1,250 lbs./568 kg.  
Weight: 1.40 lbs./64 kg.

PATENTED



### HEAVY-DUTY RATCHET STRAP ASSEMBLY



- 44340-11**  
1" x 10' Strap with Wire Hooks.  
For cargo handling in pick-up truck hauling and deliveries.  
WLL: 1,000 lbs./454 kg. Weight: 1.60 lbs./73 kg.

### ANCRA RED UTILITY STRAP



- 41048-10** 1" x 5.5' Weight: 1.60 lbs./73 kg.
- 41048-23** 1" x 13' Weight: 1.78 lbs./81 kg.  
WLL: 400 lbs./181 kg.

### LIGHT-DUTY CAM BUCKLE STRAP ASSEMBLY



- 44340-10**  
1" x 10' Strap with Wire Hooks.  
WLL: 600 lbs./272 kg.  
Weight: 1.40 lbs./64 kg.



**Multi-Pack Consumer Tiedowns**

**RATCHETING TIEDOWNS**



**49368-10** 1" x 15' 4-pack  
1" red strap with steel Ratchet Buckle and steel, vinyl-coated "S" hooks secures cargo and sport utilities including motorcycles, water craft and ATVs. Weight: 4.7 lbs./2.14 kg. WLL: 266 lbs./121 kg.

**CAM BUCKLE TIEDOWNS**



**49368-11** 1" x 6' 4-pack  
1" black strap with steel Cam Buckle and steel "S" hooks with scratch resistant vinyl coating. Weight: 3.7 lbs./1.69 kg

**RATCHETING & CAM BUCKLE TIEDOWNS**



**49368-12** Combo Pack  
Two each multi-purpose Ratcheting and Cam Buckle Tiedowns with 1" straps, steel buckles and vinyl-coated steel hooks. Weight: 4.2 lbs. /1.91 kg.

**CAM BUCKLE TIEDOWNS**



**95001** 1" x 8' 2-pack  
1" red strap with steel Cam Buckle and steel "S" hooks with scratch resistant vinyl coating in interactive packaging. Weight: 1.85 lbs./0.84 kg. WLL: 400 lbs./180 kg.

**RATCHETING TIEDOWNS**



**95002** 1" x 10' 2-pack  
1" black strap with steel Ratchet Buckle and steel, vinyl-coated "S" hooks in interactive packaging. Weight: 2.25 lbs./1.0 kg. WLL: 550 lbs./250 kg.

**RETRACTABLE RATCHETING TIEDOWNS**



**95003** 1" x 6' 2-pack  
1" black strap with steel retractable Ratchet Buckle and steel, vinyl-coated "S" hooks in interactive packaging. Weight: 3.20 lbs./1.45 kg. WLL: 500 lbs./227 kg.

## Multi-Pack Consumer Tiedowns

### CAM BUCKLE TIEDOWNS



**95004** 1" x 8' 4-pack  
1" red strap with steel Cam Buckle and steel "S" hooks with scratch resistant vinyl coating in interactive packaging.  
Weight: 3.8 lbs./1.72 kg. WLL: 400 lbs./180 kg.

### RATCHETING TIEDOWNS



**95005** 1" x 10' 4-pack  
1" black strap with steel Ratchet Buckle and steel, vinyl-coated "S" hooks in interactive packaging.  
Weight: 4.6 lbs./2.1 kg. WLL: 550 lbs./250 kg.

### RATCHETING & CAM BUCKLE TIEDOWNS



**95006** Combo Pack  
Two each multi-purpose, 10' Ratcheting and 8' Cam Buckle Tiedowns with 1" straps, steel buckles, and vinyl-coated steel hooks in interactive packaging.  
Weight: 5.20 lbs./1.90 kg. Ratchet Strap WLL: 400 lbs./180 kg.  
Cam Strap WLL: 550 lbs./250 kg.

### RATCHETING TIEDOWNS



**95007** 1" x 12' Endless Loop 2-pack  
Ratchet buckle on 1" strap.  
Weight: 1.75 lbs./0.79 kg.  
WLL: 550 lbs./250 kg.

### TRACKSTAR MOTORCYCLE WHEELCHOCK



**49603-10**  
Quick Connect to aircraft style L track. Fits tire widths from 3.5" to 5.5". Comes complete with mounting kit. Weight: 7.0 lbs./3.18 kg.

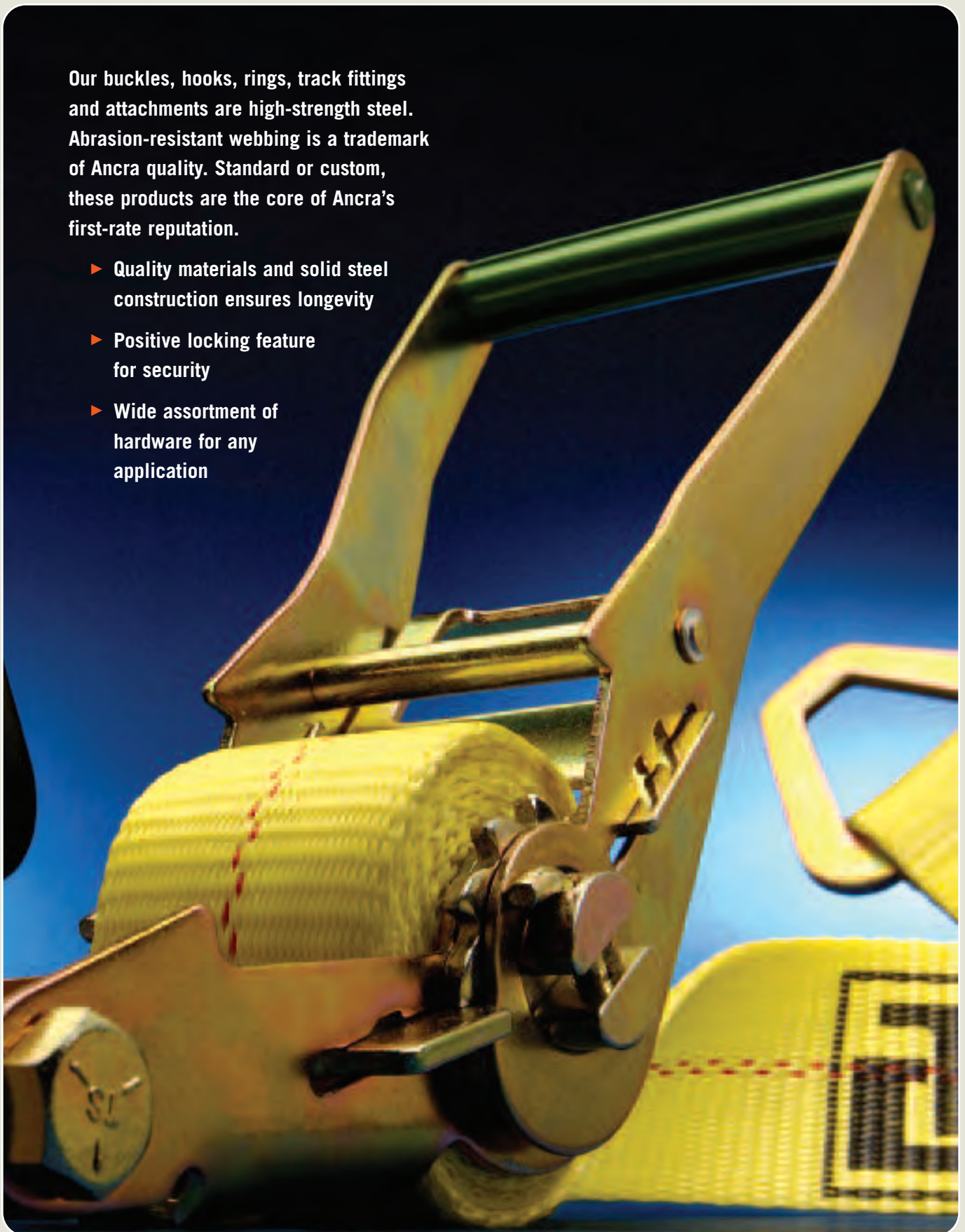
### TRACKSTAR ACCESSORY MOUNTING KIT



**49288-10**  
TrackStar Accessory Mounting Kit (8" L track & hardware) for installation in a second vehicle.

Our buckles, hooks, rings, track fittings and attachments are high-strength steel. Abrasion-resistant webbing is a trademark of Ancra quality. Standard or custom, these products are the core of Ancra's first-rate reputation.

- ▶ Quality materials and solid steel construction ensures longevity
- ▶ Positive locking feature for security
- ▶ Wide assortment of hardware for any application



## Ancra buckle quality –

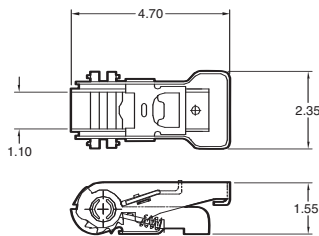
The standard of the industry, Ancra's durable buckles are designed with a unique latch and patented fast release cam that reduces sprocket wear. Our broad line of steel Ratchet, Cam and Overcenter Buckles meet your wide-ranging load requirements, offering quick and easy release and secure locking tension. The now-popular and often copied long, wide-handle ratchet is a classic example of Ancra innovation. Our patented locking mechanism guards against vibration release, the 1.5-inch longer handle increases leverage by 20%, and the wider frame and latch design allows more hand room for easier operation. What began as innovation, is now the standard of the industry.



## Ratchet Buckles

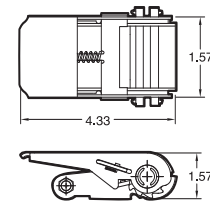
Ancra Ratchet Buckles are available in one- or three-piece standard- or long-handled versions, and a variety of webbing widths and thicknesses. When closed, the ratchet handle locks the latch into the sprocket to prevent inadvertent release. The handle cross-pin interlocks with the frame, maintaining a low-profile design and reinforcing assembly durability. A removable rear bolt allows for in-field conversion or repairs.

### 1-INCH



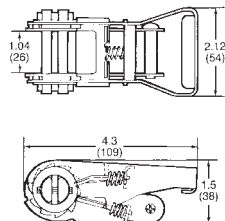
#### 43320-32

Working Load Limit: 1,466 lbs./666 kg.  
Weight: .81 lb./ .36 kg.



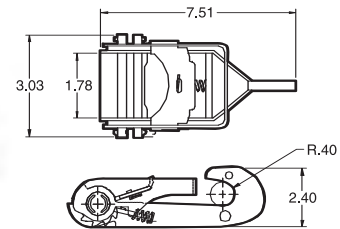
#### 48770-10

Low profile, black powder coat  
Working Load Limit: 500 lbs./227 kg.  
Weight: .50 lb./ .22 kg.



#### 44232-10

Working Load Limit: 400 lbs./181 kg.  
Weight: .50 lb./ .22 kg.

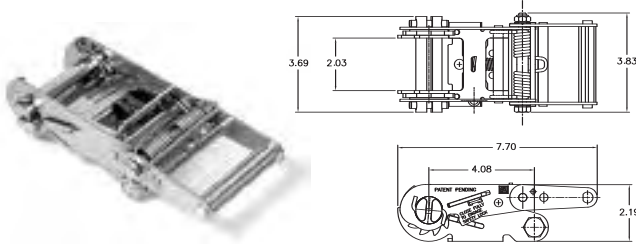


#### 41808-11

1-3/4 in. Hook End  
Working Load Limit: 2,200 lbs./1,000 kg.  
Weight: 1.65 lbs./ .75 kg.

**Ratchet Buckles**

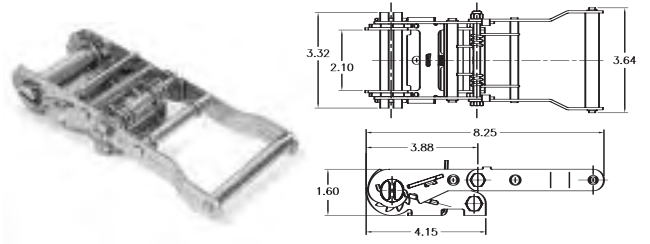
**2-INCH**



**49410-13**

Long Wide Handle Torque Limiting. Reduces trailer damage by limiting over zealous tensioning. See pg. 50.  
WLL: 3,666 lbs./1,663 kg. Weight: 2.7 lbs./1.23 kg.

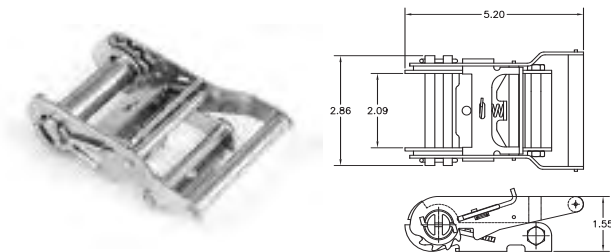
**PATENT PENDING**



**49715-10**

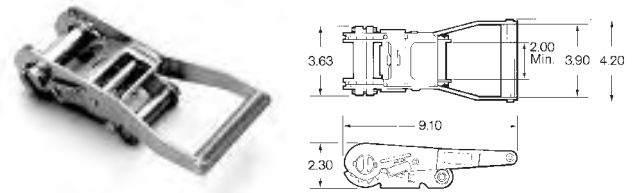
Low Profile Torque Limiting. Reduces trailer damage by limiting over zealous tensioning. See pg. 50.  
WLL: 1,500 lbs./681 kg. Weight: 1.56 lbs./.71 kg.

**PATENTED**



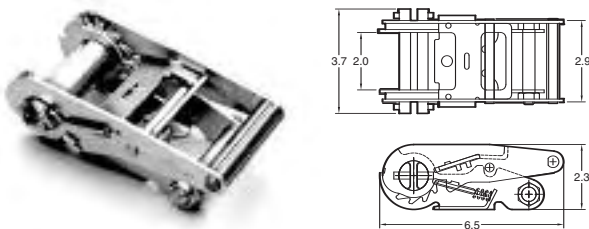
**44258-13**

Low Profile.  
WLL: 1,500 lbs./680 kg. Weight: 1.30 lbs./.59 kg.



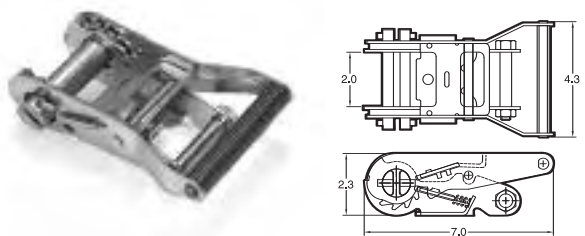
**44587-10**

Long Wide Handle.  
WLL: 3,666 lbs./1,666 kg. Weight: 2.3 lbs./1.05 kg.



**44627-11**

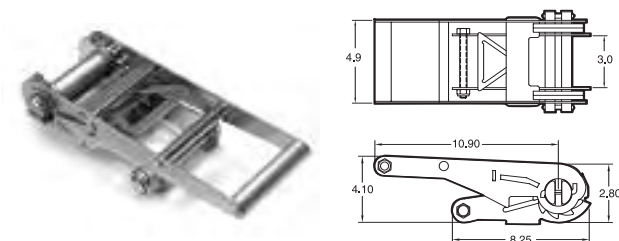
Standard Handle.  
WLL: 3,333 lbs./1,515 kg. Weight: 2.10 lbs./.95 kg.



**47105-11**

Short Wide Handle.  
WLL: 3,666 lbs./1,666 kg. Weight: 2.20 lbs./1.0 kg.

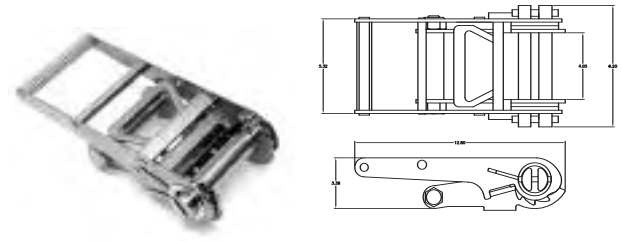
**3-INCH**



**48965-10**

WLL: 7,333 lbs./3,333 kg.  
Weight: 7.05 lbs./3.20 kg.

**4-INCH**



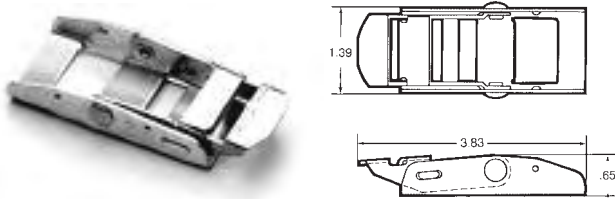
**49349-10**

WLL: 8,000 lbs./3,636 kg.  
Weight: 7.95 lbs./3.61 kg.

## Overcenter Buckles

Ancra Overcenter Buckles have one-piece steel frame construction for simple, efficient use. When attached to the strap, the webbing provides a pad between the buckle and the secured cargo.

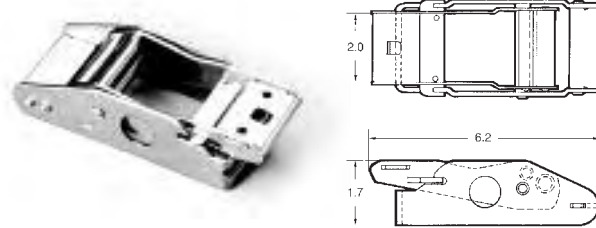
### 1-INCH



#### **42816-18**

Working Load Limit: 600 lbs./272 kg.  
Weight: .15 lb./06 kg.

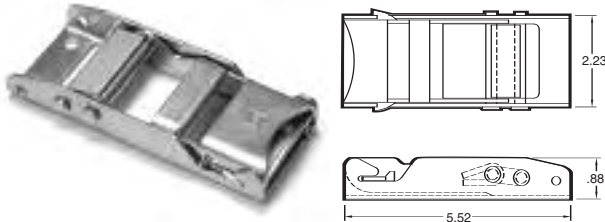
### 1 3/4-INCH



#### **44639-12**

Working Load Limit: 1,666 lbs./757 kg.  
Weight: 1.20 lbs./54 kg.

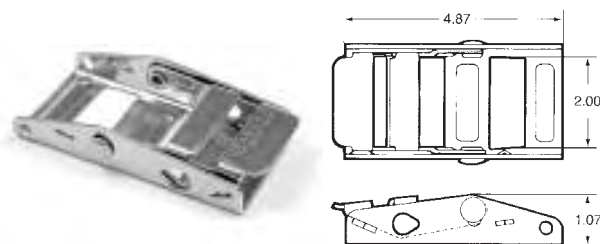
### 1 3/4-INCH



#### **47800-10**

Working Load Limit: 1,666 lbs./757 kg.  
Weight: .70 lb./31 kg.

### 2-INCH



#### **43172-11**

Working Load Limit: 1,000 lbs./454 kg.  
Weight: .75 lb./34 kg.

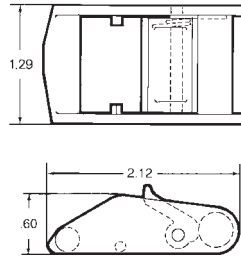


*In addition to the trucking industry, Ancra buckles are used in specialty markets that include aircraft, marine, automotive, materials handling and military applications. In each case, material specifications have been modified to give optimum performance for the specific use.*

## Cam Buckles

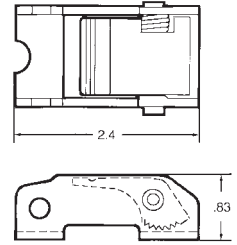
A one-piece frame design lengthens the service life of Ankra Cam Buckles. Quick and easy operation consists of simply pulling the handhold.

### 1-INCH



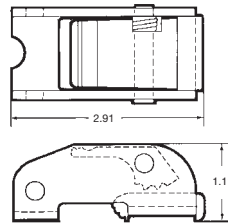
**41030-12**

WLL: 166 lbs./75 kg.  
Weight: .13 lb./06 kg.



**42195-11**

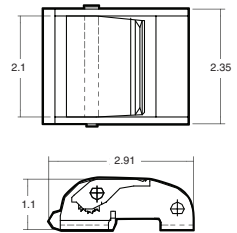
WLL: 500 lbs./227 kg.  
Weight: .25 lb./11 kg.



**40880-22**

WLL : 600 lbs./272 kg.  
Weight: .40 lb./18 kg.

### 2-INCH

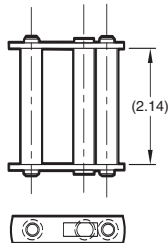


**40880-15**

WLL: 833 lbs./378 kg.  
Weight: .69 lb./31 kg.

## Roller Buckle

A simple slide bar adjuster buckle for light-duty applications.

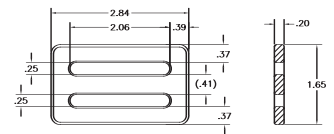


**41645-10**

Roller Buckle.  
WLL: 500 lbs./227 kg. Weight: .20 lb./10 kg.

## 3-Bar Slide Adjuster

This adjuster is designed to be used for adjustment of strap lengths only, not for tensioning.



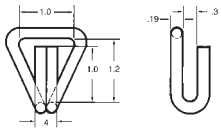
**49834-10**

3-Bar Slide Adjuster.  
WLL: 1,000 lbs./454 kg. Weight: .30 lb./14 kg.

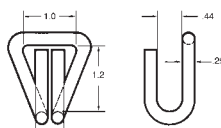
## Attachment Hardware

Ancra hooks, rings and loops are made to last. With heat treatment and corrosion-resistant plating or vinyl-coating, this quality attachment hardware is strong and durable.

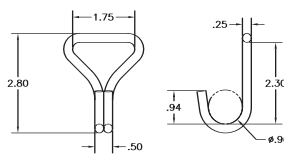
### WIRE HOOKS



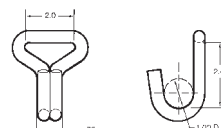
**40316-12**  
1-inch Narrow Hook.  
WLL: 166 lbs./75 kg.  
Weight: .10 lb./05 kg.



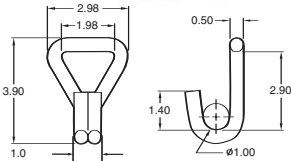
**40024-10**  
1-inch Narrow Hook.  
WLL: 1,000 lbs./454 kg.  
Weight: .10 lb./05 kg.



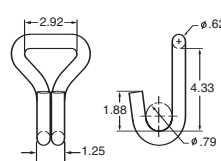
**43120-19**  
1 3/4-inch Narrow Hook.  
WLL: 500 lbs./227 kg.  
Weight: .17 lb./08 kg.



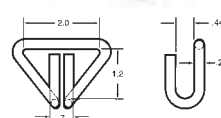
**43120-11**  
2-inch Narrow Hook.  
WLL: 1,666 lbs./757 kg.  
Weight: .39 lb./18 kg.



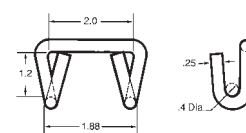
**43120-13**  
2-inch Narrow Hook.  
WLL: 3,333 lbs./1,575 kg.  
Weight: .62 lb./28 kg.



**43120-20**  
3-inch Narrow Hook.  
WLL: 7,333 lbs./3,333 kg.  
Weight: 1.39 lbs./63 kg.



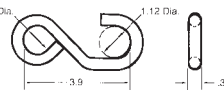
**40024-12**  
2-inch Narrow Hook.  
WLL: 833 lbs./378 kg.  
Weight: .10 lb./05 kg.



**40023-12**  
2-inch Wide Hook.  
WLL: 833 lbs./378 kg.  
Weight: .12 lb./06 kg.



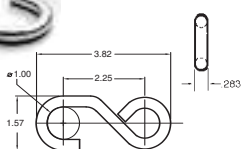
**41313-12**  
Zinc-plated S Hook.  
Weight: .28 lb./13 kg.



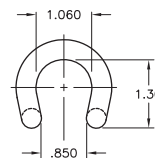
**41313-13**  
1-inch Vinyl S Hook.  
WLL: 400 lbs./181 kg. Weight: .29 lb./14 kg.



**41313-19**  
1-inch Vinyl S Hook Heat Treated.  
WLL: 600 lbs./272 kg. Weight: .30 lb./14 kg.



**43095-10**  
1-inch Light-Duty S Hook.  
WLL: 166 lbs./75 kg.  
Weight: .14 lb./07 kg.

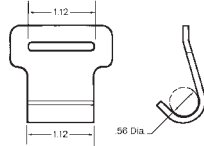


**45228-10**  
Rave Hook.  
WLL: 1,167 lb./530 kg.  
Weight: .29 lb./13 kg.



## Attachment Hardware

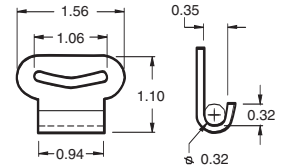
### FLAT HOOKS



#### 43546-10

1-inch Gutter Hook.

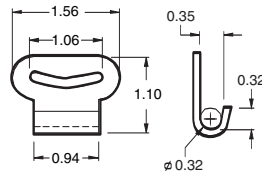
WLL: 250 lbs./113 kg. Weight: .05 lb./02 kg.



#### 40065-10

1-inch Plated Flat Hook.

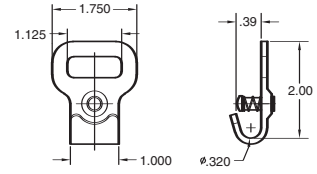
WLL: 333 lbs./151 kg. Weight: .04 lb./02 kg.



#### 40065-12

1-inch Vinyl Flat Hook.

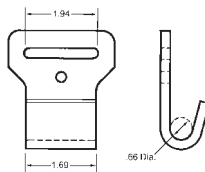
WLL: 333 lbs./151 kg. Weight: .05 lb./02 kg.



#### 40044-10

1-inch Flat Hook with Keeper.

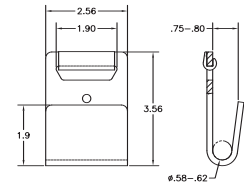
WLL: 1,166 lbs./530 kg. Weight: .68 lb./31 kg.



#### 43099-10

2-inch Flat Hook.

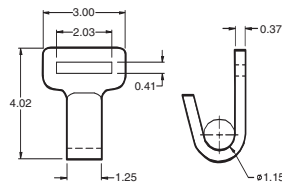
WLL: 1,666 lbs./757 kg. Weight: .40 lb./18 kg.



#### 40891-18

2-inch Flat Hook.

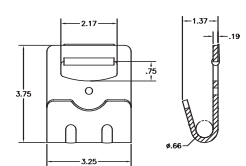
WLL: 3,333 lbs./1,515 kg. Weight: .68 lb./31 kg.



#### 41519-10

2-inch Flat Hook.

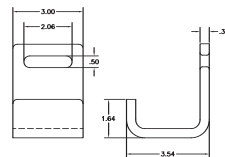
WLL: 3,333 lbs./1,515 kg. Weight: 1.14 lbs./52 kg.



#### 41766-18

3-inch Flat Hook.

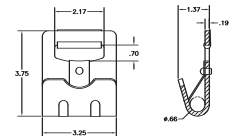
WLL: 5,400 lbs./2,450 kg. Weight: .98 lb./45 kg.



#### 48968-11

2-inch Container Hook.

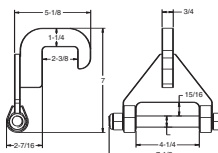
WLL: 5,400 lbs./2,450 kg. Weight: 2.0 lbs./91 kg.



#### 41766-19

3-inch Flat Hook with Keeper.

WLL: 5,400 lbs./2,450 kg. Weight: 1.20 lbs./55 kg.



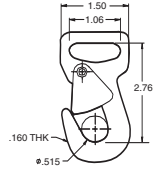
#### 49770-10

4-inch Heavy-Duty Waste Hook.

WLL: 5,100 lbs./2,315 kg. Weight: 2.0 lbs./91 kg.

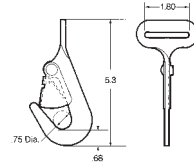
## Attachment Hardware

### SNAP HOOKS



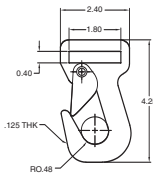
#### 43044-10

1-inch Snap Hook.  
WLL: 1,666 lbs./757 kg. Weight: .20 lb./09 kg.



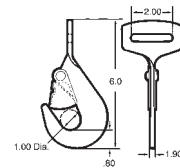
#### 44887-12

2-inch Snap Hook.  
WLL: 1,666 lbs./757 kg. Weight: .32 lb./15 kg.



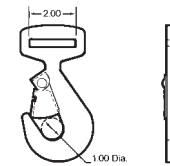
#### 40084-14

2-inch Snap Hook.  
WLL: 2,100 lbs./954 kg. Weight: .34 lb./15 kg.



#### 40758-11

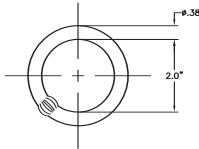
2-inch Snap Hook w/ Satin Black Finish. Twisted Version.  
WLL: 3,333 lbs./1,515 kg. Weight: .59 lb./27 kg.



#### 40758-13

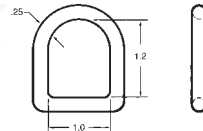
2-inch Snap Hook w/ Satin Black Finish.  
WLL: 3,333 lbs./1,515 kg. Weight: .59 lb./27 kg.

### RINGS



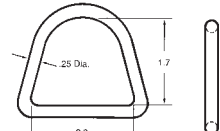
#### 47944-10

Round Ring.  
WLL: 900 lbs./409 kg.  
Weight: .25 lbs./11 kg.



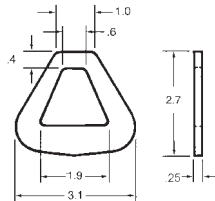
#### 40025-10

1-inch D-Ring.  
WLL: 1,666 lbs./757 kg.  
Weight: .05 lb./02 kg.



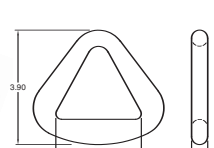
#### 40025-12

2-inch D-Ring.  
WLL: 1,666 lbs./757 kg.  
Weight: .09 lb./04 kg.



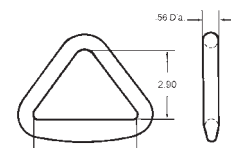
#### 40978-11

2-inch Delta Ring.  
WLL: 3,333 lbs./1,515 kg.  
Weight: .28 lb./13 kg.



#### 45516-12

3-inch Delta Ring.  
WLL: 6,000 lbs./2,727 kg.  
Weight: 1.05 lbs./48 kg.



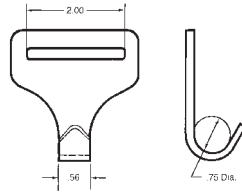
#### 41631-12

4-inch Delta Ring.  
WLL: 6,666 lbs./3,030 kg.  
Weight: 1.16 lbs./53 kg.

## Attachment Hardware

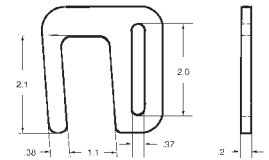
Designed to fit securely into Ancra Track, sturdy Ancra Track Fittings are easy to use and long wearing.

### TRACK FITTINGS



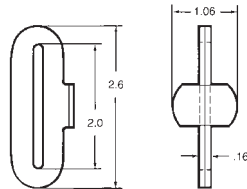
#### 42012-12

Series F Heavy-Duty Track Hook.  
WLL: 800 lbs./363 kg. Weight: .21 lb./.10 kg.



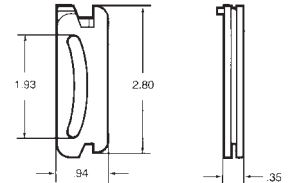
#### 41325-10

Slat Hook. For use with Attachment Rails (Wooden Slats).  
WLL: 1,000 lbs./454 kg. Weight: .20 lb./.09 kg.



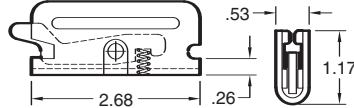
#### 40980-11

Series F Track Fitting.  
WLL: 500 lbs./227 kg. Weight: .60 lb./.27 kg.



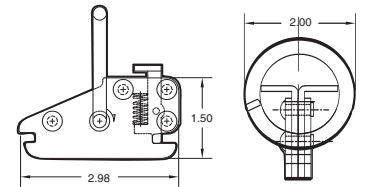
#### 41409-13

Series E & A 3-Piece Track Fitting.  
WLL: 1,000 lbs./454 kg.  
Weight: .20 lb./.09 kg.



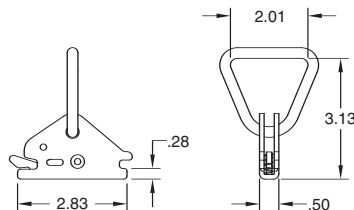
#### 47608-21

Series E & A Track Spring Fitting.  
WLL: 1,333 lbs./605 kg. in 12-ga. track,  
1,500 lbs./680 kg. in 11-ga. track. Weight: .30 lb./.14 kg.



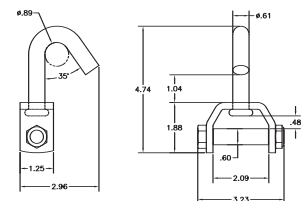
#### 47772-12

Series E & A Articulated Track Fitting.  
WLL: 1,000 lbs./454 kg. Higher loads achievable in different directions of pull and using stronger track configurations.  
Weight: .45 lb./.20 kg.



#### 49542-10

Series E & A Fitting w/ D-Ring.  
WLL: 1,000 lbs./454 kg. Weight: .32 lb./.15 kg.

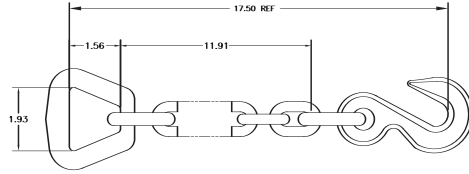


#### 49914-10

Swivel J Idler Fitting.  
WLL: 3,333 lbs./1,515 kg. Weight: 1.20 lbs./.54 kg.

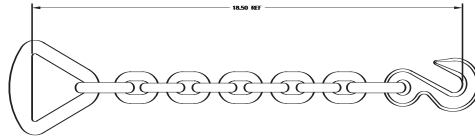
## Attachment Hardware

### CHAIN ATTACHMENTS



#### 43366-21

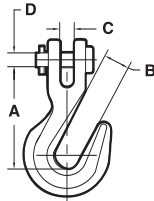
5/16" Chain Anchor for 2" Strap Assemblies.  
WLL: 3,300 lbs./1,515 kg.  
Weight: 3.30 lbs./1.50 kg.



#### 43366-14

Chain Anchor with Delta Ring, Plated.  
WLL: 5,400 lbs./2,454 kg.  
Weight: 3.40 lbs./1.55 kg.

### GRADE 70 CLEVIS HOOK



#### Specifications for Grade 70

Part No.	Size	Working Load Limit	Weight
45946-10	5/16"	4,700 lbs./2,132 kg.	0.85 lb./0.39 kg.
45946-11	3/8"	6,600 lbs./2,994 kg.	1.10 lbs./0.50 kg.
45946-13	1/2"	12,750 lbs./5,783 kg.	2.29 lbs./1.04 kg.

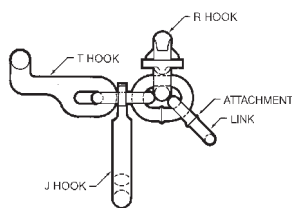
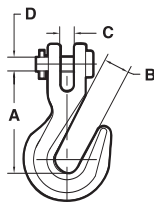
#### Specifications for Grade 43

Part No.	Size	Working Load Limit	Weight
49959-25	1/4"	2,600 lbs./1,180 kg.	0.40 lb./0.18 kg.
49959-31	5/16"	3,900 lbs./1,759 kg.	0.85 lbs./0.39 kg.
49959-38	3/8"	5,400 lbs./2,449 kg.	1.10 lbs./0.50 kg.

#### Dimensions

Part Nos.	A	B	C	D
45946-10 & 49959-25	2.30"	0.43"	0.38"	0.38"
45946-11 & 49959-31	2.70"	0.50"	0.44"	0.48"
45946-13 & 49959-38	3.20"	0.66"	0.75"	0.63"

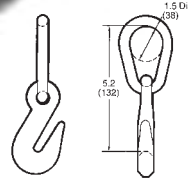
### GRADE 43 CLEVIS HOOK



#### 45515-10

RTJ Cluster Hook.  
Weight: 2.25 lbs./1.02 kg.

Hook Type	Working Load Limit
<b>R (Ford)</b>	8,333 lbs./3,787 kg.
<b>T (General Motors, Chrysler)</b>	5,333 lbs./2,424 kg.
<b>J (Foreign)</b>	4,000 lbs./1,818 kg.



#### 43365-12

Grab Hook Assembly. Gold zinc plated finish.  
WLL: 5,400 lbs./2,454 kg.  
Weight: 1.60 lbs./.73 kg.

**OUR COMMITMENT TO QUALITY IS NEVER ENDING**



*All Ancra products and components are fully tested to meet our exacting standards.*

## Webbing

Along with exceptional quality, Ancra's broad line of webbing gives you a range of choices to match your application. Custom-made according to our strict specifications, Ancra webbing is treated for extra strength and durability, offering additional flexibility and ease of use.



Width in./mm.		Breaking Strength Capacity		Type	Standard Color	Part No.
in.	mm.	lbs.	kg.			
1.00	25	4,500	2,045	Nylon	■ Blue	<b>41820-14-RL</b>
2.00	50	6,000	2,727	Polyester	■ Yellow	<b>47200-61-BULK</b>
2.00	50	6,000	2,727	Polyester	■ Gray	<b>47200-60-BULK</b>
2.00	50	6,000	2,727	Polyester	■ Blue	<b>47200-62-BULK</b>
2.00	50	12,000	5,454	Polyester, Latex Treated	■ Yellow	<b>41632-31-RL</b>
3.00	75	18,000	8,181	Polyester, Latex Treated	■ Yellow	<b>41632-17-BULK</b>
4.00	100	20,000	9,090	Polyester, Latex Treated	■ Yellow	<b>43797-36-RL</b>

*Webbing will have a longer life if stored in a dry, dark location. Continuous exposure to ultra-violet light can degrade the strength of synthetic webbing.*

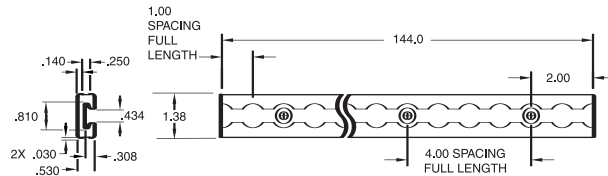


### WEBBING CHARACTERISTICS

Nylon's elongation characteristics make it suitable for slings and tow straps, but less desirable for heavy-duty tiedowns. It displays good UV, abrasion, alkaline resistance and color fast properties. Polyester is well suited for webbing because of its low cost, high-strength, and resistance to abrasion. It also withstands acid environments and resists elongation in high-moisture applications. Its durability and abrasion resistance can be increased even further with coatings of latex or other materials. Call customer service for specific details and color availability.

## Specialty Products

### AIRCRAFT STYLE SEAT / LOGISTIC TRACK



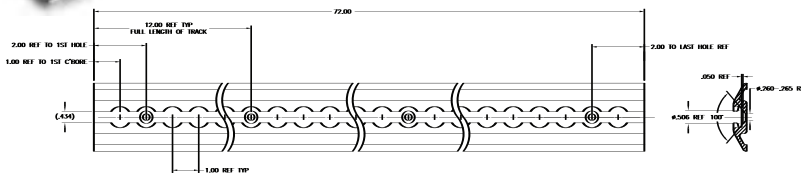
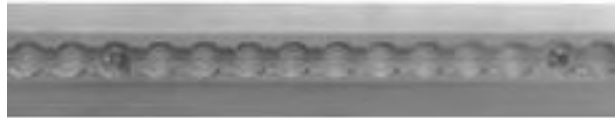
#### 40467-33-144

12' long. Weight: 6.30 lbs./2.86 kg.

Single Stud/Vertical.  
WLL: 1,333 lbs./605 kg.

Double Stud/Vertical.  
WLL: 1,666 lbs./757 kg.

### HEAVY-DUTY BEVELED AIRCRAFT STYLE TRACK



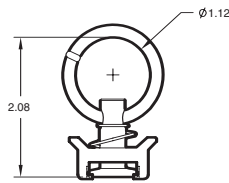
#### 49363-30-72.00

72" long. Weight: 4.30 lbs./1.95 kg.

Single Stud Vertical.  
WLL: 1,333 lbs./605 kg.

Double Stud Vertical.  
WLL: 1,666 lbs./757 kg.

### SINGLE STUD TRACK FITTING

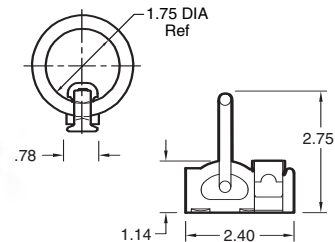


#### 40340-27

WLL: 1,333 lbs./605 kg.  
Weight: .09 lb./04 kg.

\*Load rating varies with the angle of pull.

### DOUBLE STUD TRACK FITTING WITH ROUND RING



#### 47556-11

WLL: 1,666 lbs./757 kg.  
Weight: .35 lb./16 kg.

Ancra designs and manufactures a full spectrum of restraints and hardware to meet your wide-ranging needs. Our specialty items represent our ongoing mission to provide the right solutions for a changing industry. If you can't find a specific product in this catalog, or if you have a particular requirement that calls for a unique solution, give us a call. Our customization capabilities can be your assurance that you have Ancra quality for all your cargo restraint applications.



## Specialty Products

### 12 & 20 TON BOTTLE JACKS



#### 49880-12

12 Ton Bottle Jack w/ 2-Pc. Handle  
Weight: 19.6 lb./16 kg.

- 24,000 lb. rated capacity
- Compact 7.5-inch height
- Lifts 3.9 inches
- Adjustable to screw height of 2.6 inches
- Extends to 14 inches
- Complies with ASME PALD-2005 standard



#### 49880-20

20 Ton bottle Jack w/ 2-Pc. Handle  
Weight: 26.0 lb./16 kg.

- 40,000 lb. rated capacity
- Compact 7.5-inch height
- Lifts 3.9 inches
- Adjustable screw height of 2.6 inches
- Extends to 14 inches
- Complies with ASME PALD-2005 standard



#### 49880-01

1-Pc. Bottle Jack Handle 31.5" Long  
Weight: 9.0 lb./16 kg.

### CABLE PULLERS



#### 49858-T4

EZ Puller II - Cable Puller.  
2,000 lbs. Weight: 9.0 lb./16 kg.

- Easy "flick-of-the-finger" mechanism allows for smooth engaging and disengaging of drive pawls
- Heat treated drop-forged hooks with safety latches
- Heavy steel constructed frame and handle, hardened and tempered at all stress points, uniform chrome finish
- Reinforced steel housing, pulley block and 360 degree swivel, zinc gold dichromate finish
- 20-inch (500 mm) handle with non-slip grip
- Spring operated holding pawl and protective cable cover plate
- 3/16-inch (5mm) galvanized aircraft cable
- Load limit 2,000 lbs. (910 kg), 6 ft. (1.8m) reach
- Load limit 1,000 lbs. (455 kg), 12 ft. (3.6m) reach



#### 49890-10

EZ Puller in storage case.  
2,000 lbs. Weight: 9.0 lb./4.09 kg.

- Load limit of 2,000 lbs. with 5-foot reach
- Load limit of 1,000 lbs. with 10-foot reach
- OSHA compliant safety latches
- Snap block included
- Compact, convenient storage case
- Heavy-duty steel construction
- Heat-treated drop-forged hooks with safety latches
- Non-slip grip handle

## Merchandising Aids

Contact your local sales rep to obtain.



Part No.	Description
<b>BANNERS</b>	INDOOR BANNER, 4' x 18" w/4 grommets
<b>OUTDOOR-BANNER</b>	OUTDOOR BANNER, 6' x 3' w/4 grommets
<b>SOLD_HERE_STICKER</b>	SOLD HERE WINDOW STICKER
<b>FLOOR_STICKERS</b>	TIE DOWN ZONE FLOOR GRAPHICS
<b>CATALOG-210-LAM</b>	LAMINATED 210 CATALOG
<b>49458-10</b>	CARGO BAR DISPLAY
<b>49714-10</b>	PORTA WINCH / PORTA ANCHOR IN STORE DISPLAY
<b>INTERIOR_WALL-BRD</b>	INTERIOR SOLUTIONS WALL DISPLAY BOARD
<b>FLATBED_WALL-BRD</b>	FLATBED SOLUTIONS WALL DISPLAY BOARD
<b>WALL_CHART</b>	CARGO CONTROL WALL CHART - 18" x 24"
<b>PRODUCT_CC</b>	CARGO CONTROL COUNTER CARD, 8-1/2" x 11"
<b>EZTORQUE_CC</b>	EZ TORQUE COUNTER CARD, 8-1/2" x 11"
<b>ANCRA_BLUE-CC</b>	ANCRA BLUE COUNTER CARD, 8-1/2" x 11"
<b>OVERDRIVE_CC</b>	OVERDRIVE RATCHETING CAP COUNTER CARD, 8-1/2" x 11"
<b>LAD_TRAINING_DVD</b>	LIFT A DECK II TRAINING VIDEO (DVD)
<b>LAD_SALES_DVD</b>	LIFT A DECK II SALES VIDEO (DVD)
<b>FAD_DVD</b>	FOLD A DECK VIDEO (DVD)
<b>SILVERCAP_DVD</b>	SILVERCAP WINCH VIDEO (DVD)
<b>OVERDRIVE_DVD</b>	SILVERCAP OVERDRIVE VIDEO (DVD)
<b>EZTORQUE_DVD</b>	EZ TORQUE VIDEO (DVD)
<b>CINCH_DVD</b>	CINCH WINCH VIDEO (DVD)
<b>GLIDELock_DVD</b>	GLIDELock VIDEO (DVD)



*Ancra offers complete solutions in:*

## **CUSTOMER ASSISTANCE:**

- ▶ Bar coding on standard products
- ▶ EDI electronic order and payment processing
- ▶ Technical training manuals
- ▶ CD ROM marketing material assistance
- ▶ Point of purchase decals, banners and selling aids

## **ENGINEERING AND TECHNICAL SERVICES:**

- ▶ Product development – Mechanical, Electrical, Pneumatic
- ▶ Design and drawing check – 3D solids and models
- ▶ Stress analysis and substantiation – NASTRAN FEA
- ▶ New product testing and evaluation
- ▶ Document control and distribution
- ▶ Configuration management and control

## **QUALITY ASSURANCE:**

- ▶ Product inspection
- ▶ Vendor qualifications
- ▶ Internal and supplier audits
- ▶ FAA compliance
- ▶ Product and lot testing

## Specifications

### Breaking Strength

The minimum load a new component or assembly will withstand before failure.

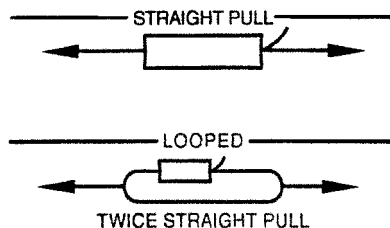
### Working Load Limit (WLL)

The maximum load a component or assembly should be subjected to during routine use.

### Rated Load Capacity

Ratings are generally established and/or regulated by industry or legislative standards and may vary from industry to industry. The working load limit rating (WLL) is established by Federal DOT Standards at 1/3 of the Breaking Strength of the assembly.

Note: All strengths referenced in this brochure unless noted, are based on a straight pull application.



### IMPORTANT NOTE:

It is the owner's and user's responsibility to determine suitability of a product for any particular use. Check all applicable industry, trade association, federal, state and local regulations. Read all operating instructions and warnings carefully.

All ratings shown in this brochure are based on the product being new, and used in normal environmental conditions. Special consideration must be given to item selection when unusual conditions can be expected. Particular caution should be exercised to avoid exposing the product to sharp edges, acids, alkalis and temperatures above 194 F.

Products are subjected to age, wear, and deterioration, all of which cause a reduction in the product's breaking strength capacity. We recommend that all products be regularly inspected. Any worn, deformed, misused or overloaded products should be replaced immediately.

Remember! The component with the lowest breaking strength capacity in the entire restraint system will determine its strength. Each component of the entire system plays an important part in restraining cargo. It is important that tiedowns be attached to anchorage that are of sufficient strength to properly secure the load. For example, if one anchors a standard web binder assembly with a rated WLL of 5,000 lbs. to a device with a WLL of 1,000 lbs., then that system is only as good as the anchorage and would be limited to a 1,000 lbs. capacity WLL.

The purpose of this brochure is to assist our customers and users in the selection of cargo restraint products suitable for their specific applications. Because we continuously strive to offer new and improved products, part numbers and specifications are subject to change. Please contact your Ancra representative or our customer service department for any new information.

## Warranty

All Ancra International LLC products are warranted to be free from defect in material or workmanship for a period of three (3) months from date of shipment. During this period, Ancra International LLC will, at its option repair or replace without charge any products or part thereof found to be defective in material or workmanship. This warranty does not extend to any product which has been subject to misuse, abuse, negligence, accident, alteration or unauthorized repair.

Defective products must be returned to Ancra International LLC within the above period, transportation prepaid. Ancra will bear the cost of return transportation. Contact Customer Service for details.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT WILL ANCRA INTERNATIONAL LLC BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR LOSS OF VEHICLE, CARGO OR PROFITS.

## Industry Standards

Ancra has provided the following information as a service to our customers as well as end-users. This information is intended to promote the safe and informed sales and use of our products.

SYNTHETIC WEB TIEDOWNS SHALL BE USED IN ACCORDANCE WITH ALL STATE, FEDERAL, PROVINCIAL, LOCAL AND INDUSTRY REGULATIONS, AS APPLICABLE.

U.S. Department of Transportation regulations subchapter B-Motor Carrier Safety Regulations, 49 CFR, Part 393, Paragraph 393.102(b) requires that: "The aggregate working load limit of the tiedown assemblies used to secure an article against movement in any direction must be at least 1/2 times the weight of that article."

It is the responsibility of the user to determine the proper Working Load Limit (WLL) requirement for specific applications. User shall consult vehicle manufacturer for anchorage strength rating.

### An example using this regulation follows:

- Determine the number of synthetic web tiedowns required when using the Working Load Limit (WLL) value marked on the synthetic web tiedown assembly.
- Weight of article being secured is 24,000 LB (10,910 KG).
- Working Load Limit of the 3-inch synthetic web tiedown is 4,000 LB (1,820 kg) as marked on the label.
- Required Aggregate WLL  
 $1/2 \times 24,000 \text{ LB (Article Weight)} = 12,000 \text{ LB (5,455 KG)}$
- Minimum number of tiedowns  
 $12,000 \text{ LB} \div 4,000 \text{ LB (WLL of tiedown)} = 3 \text{ tiedowns}$

In this example, a minimum of 3 synthetic web tiedowns are required to secure the article, based only on the weight of the article.

Factors to be considered when determining the number and location of synthetic web tiedowns, as specified by state, federal, provincial, local and industry regulations are:

- Article weight
- Configuration of load to be secured (pipe, coil, equipment, stacking, etc.)
- Number of tiers
- Length of load to be secured
- WLL of synthetic web tiedowns
- Stakes, blocking and bracing
- Tension in the synthetic tiedown shall never exceed the WLL strength rating of anchorage.
- Any other factors that may affect safe securement of the load during normal and emergency conditions.

### Operating Guidelines

This section provides recommended guidelines for the use, care, and inspection of synthetic web tiedowns.

#### Use

- Inspect tiedowns before each use, see Out-Of-Service Criteria.
- Synthetic web tiedown assemblies shall not be loaded in excess of their Working Load Limit (WLL).

- Synthetic web tiedowns shall be attached to provide control of load and positioned in accordance with applicable regulations.
- Synthetic web tiedown assemblies shall not be dragged on floor, ground, or over an abrasive surface.
- Synthetic web tiedowns shall not be tied in knots, or joined by knotting.
- Synthetic web tiedowns shall not be pulled from under loads if the load is resting on the tiedown.
- Synthetic web tiedowns shall always be protected from being cut by sharp corners, sharp edges, protrusions or abrasive surfaces.
- The opening in fittings shall have the required shape and size to insure that the fitting will sit properly in the vehicle anchorage or other attachments. If the anchorage is inadequate to support the rating of the synthetic web tiedown assembly, then the load rating will be limited to the strength of the anchorage.
- Synthetic web tiedowns shall not be used for lifting or towing. This includes raising, lowering and suspending.
- Before operating any tiedown assembly, the user shall secure his footing to prevent slipping or falling.
- In freezing temperatures caution shall be exercised when operating frozen tiedown assemblies.
- A minimum of two (2) wraps of webbing shall be on the winch or ratchet buckle mandrel. Caution: Excessive wraps of webbing on the mandrel will reduce the working load limit of the winch or ratchet buckle.

When tightening or loosening winches, always maintain a firm grip on the winch bar. Never release a winch bar without checking the pawl to ensure that it is fully engaged between ratchet teeth. Releasing a winch bar without the pawl being properly engaged can cause serious injury to the user or bystanders. The use of a slip resistant handle winch bar specifically designed to tighten or loosen winches is recommended. Only winch bars designed to be used with winches shall be used to tension and release the tiedown.

"Cheater Bars" ("extenders") shall not be used with winch bars. User shall stand clear (to one side) of the winch bar handle during operation, in case the winch bar slips. The tip of the winch bar shall be inserted through both holes in the end cap to prevent the winch bar from "slipping out" and overloading the tip and or end cap.

Synthetic web tiedowns shall be used, checked and adjusted during the transportation of cargo per applicable federal, state, provincial, local and industry regulations.

#### Care

Environments in which synthetic web tiedowns are continuously exposed to ultra-violet sunlight can affect the strength in varying degrees, ranging from slight to total degradation.

- Store in a clean, dry location out of direct sunlight.
- Avoid exposure to acids, alkalis or temperatures in excess of 194°F.

#### Inspection

Inspect before each use. Do not use synthetic web tiedowns that have excessive wear, cuts, abrasion or which have any other defect that should cause it to be pulled from service. See Out-Of-Service Criteria on page 74.

## Out-Of-Service Criteria (Replacement)

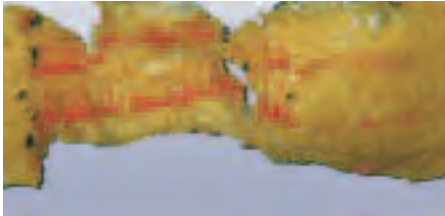
Criteria for placing vehicles out-of-service at roadside inspections have been established jointly by the U.S. Department of Transportation and the Commercial Vehicle Safety Alliance and took effect April 1, 1996. A vehicle will be placed out-of-service if 25% or more of its tiedowns are loose or missing, or are defective. Synthetic web tiedowns shall be removed from service if any of the following are visible:



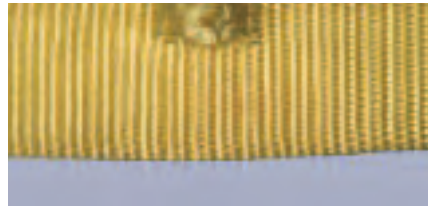
*Excessive abrasive wear*



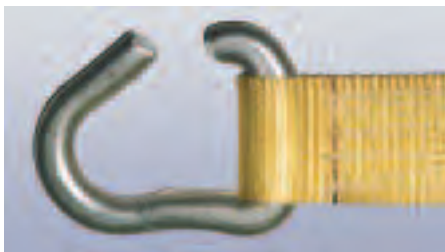
*Melting or charring of the tiedown, or weld splatter on the tiedown*



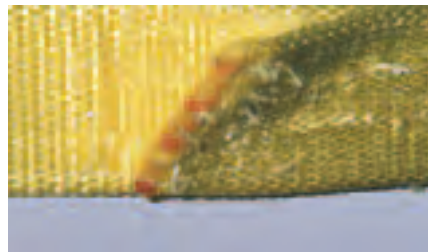
*Chemical burns*



*Holes, tears, cuts, snags*



*Tear in webbing or fitting*



*Broken or worn stitching in load bearing sew patterns*

### INFORMED SOURCES

**U.S. Department of Transportation Federal Highway Administration (FHWA)**  
Website: [www.fhwa.dot.gov](http://www.fhwa.dot.gov)

**California Highway Patrol (CHP) Title 13**  
Website: [www.chp.ca.gov](http://www.chp.ca.gov)

**Web Sling & Tiedown Association (WSTDA)**  
Website: [www.wstda.com](http://www.wstda.com)

**Commercial Vehicle Safety Alliance (CVSA)**  
Website: [www.cvsa.org](http://www.cvsa.org)

**Specialized Carriers & Rigging Association (SC&RA)**  
Website: [www.scranet.org](http://www.scranet.org)

**Truck Trailer Manufacturing Association (TTMA)**  
Website: [www.ttmanet.org](http://www.ttmanet.org)

**Canada**  
The Ministry of Transportation in each Province  
Website: [www.mto.gov.on.ca](http://www.mto.gov.on.ca)

**Mexico**  
Dir. General de Transporte Terresta SubDirector de Inspeccion del Transporte

## Glossary

<b>Anchor Point</b>	The location to which a tiedown is attached to a vehicle. If the anchor point is inadequate to support the force of the tiedown system, then the load rating of the tiedown will be limited to the strength of the anchor point.
<b>Breaking Strength</b>	The tensile load in pounds or kilograms at which any part of the synthetic web tiedown assembly fails.
<b>Bulked Nylon</b>	Qualitative term to describe textured nylon yarn.
<b>Cargo</b>	All articles or material carried by a vehicle, including those used in operation of the vehicle.
<b>Chain Load Binder</b>	A binder incorporating an overcenter locking action.
<b>Cross-Docking</b>	The movement of goods directly from receiving dock to shipping dock to eliminate storage expense.
<b>Cubic Capacity</b>	The carrying capacity of a piece of equipment according to measurement in cubic feet.
<b>Cyclic Test</b>	A test to determine the cyclic life or acceptable cyclic rating of a tiedown component or assembly.
<b>Design Factor</b>	The ratio of the breaking strength to the Working Load Limit (WLL) assigned to each synthetic web tiedown assembly.
<b>Direct Tiedown</b>	A tiedown that is intended to provide direct resistance to potential shift of an article.
<b>Elongation</b>	The length of stretch at a specific amount of pull divided by the original length multiplied by 100%.
<b>Fabrication Efficiency</b>	The synthetic web tiedown assembly break strength, as a percentage of the webbing strength prior to fabrication.
<b>Heavy Duty Truck</b>	Truck with a gross vehicle weight generally in excess of 19,500 pounds (class 6-8). Other minimum weights are used by various laws or government agencies.
<b>Indirect Tiedown</b>	A tiedown whose tension is intended to increase the pressure of an article or stack of articles on the deck of the vehicle.
<b>Keeper</b>	A device used on a hook to prevent the hook from inadvertently releasing.
<b>Length</b>	The distance between extreme end bearing points of the synthetic web tiedown assembly, including the fittings.
<b>Proof Load Test</b>	A non-destructive load test of a web tiedown assembly to some multiple of the working load limit of a web tiedown assembly.
<b>Selvage</b>	The woven or knitted edge of synthetic webbing, so formed to prevent raveling.
<b>Sew/Stitch Pattern</b>	The pattern of the stitches used to sew the webbing together.
<b>Shoring Bar</b>	A structural section placed transversely between the walls of a vehicle to prevent cargo from tipping or shifting.
<b>Stuffer</b>	A longitudinal load bearing yarn in webbing.
<b>Ultimate (Destructive) Test</b>	A straight tensile load test of the synthetic web tiedown assembly tested to failure. The failure load is the average breaking strength value of minimum of five (5) test samples.
<b>Winch</b>	A device for tensioning a webbing or wire rope tiedown that is fitted with means to lock the initial tension.
<b>Working Load Limit</b>	This is the maximum combined static and dynamic load in pounds or kilograms that shall be applied in direct tension to a straight and undamaged tiedown assembly.

## Innovative Teamwork Solutions

- ▶ **When we start a project with you, we develop shared objectives based on your specific goals and objectives.** Our completely digital systems provide a turn-key solution for your requirements. We view your requirements from all angles. With over 250 years of industry experience, we don't automatically reach for the easy answers. The innovative solutions we've developed are a result of looking at each new project from a fresh perspective.
- ▶ We envision the global picture, and we sweat the details. Each part is tested and tested again against the highest standards of quality, reliability and durability.
- ▶ Through every step of the process, we work as a team with you. We continue to provide technical support after our products have been installed.

### TRADE ASSOCIATIONS



Web Sling & Tiedown Association (WSTDA)



National Truck Equipment Association (NTEA)



Technology & Maintenance Council (TMC)



Truck Trailer Manufacturers Association (TTMA)



Canadian Transportation Equipment Association (CTEA/AETC)



Associated Wire Rope Fabricators (AWRF)



Commercial Vehicle Safety Alliance (CVSA)



Association of American Railroads (AAR)



National Trailer Dealers Association (NTDA)



National Association of Trailer Manufacturers (NATM)

### LITERATURE AVAILABLE BY REQUEST



#### Ancra International Aircraft Interiors & Cargo Fittings

This catalog provides a full selection of the very best aircraft fittings and components, all made in the U.S.A. by Ancra for over 25 years.

Request Catalog 402



#### Ancra International Cargo Restraint Catalog

Ancra showcases the most popular solutions for flatbed and interior van cargo-restraints. A mini catalog of proven winches, straps, tie-offs, beams and bars. Also available in French and Spanish.

Request Brochure 214



#### Ancra International Lift-A-Deck

Ancra's proprietary Lift-A-Deck decking systems enables optimum utilization of cargo space in vans, trucks and trailers.

Request Brochure



#### Ancra International Retract-A-Roll

Ancra's Retract-A-Roll pneumatic roller conveyor system allows for easier material handling.

Request Brochure



#### Ancra/S-Line Retail Catalog

S-Line's line of high-quality retail cargo control and safety products can meet almost any need.

Request Brochure 228

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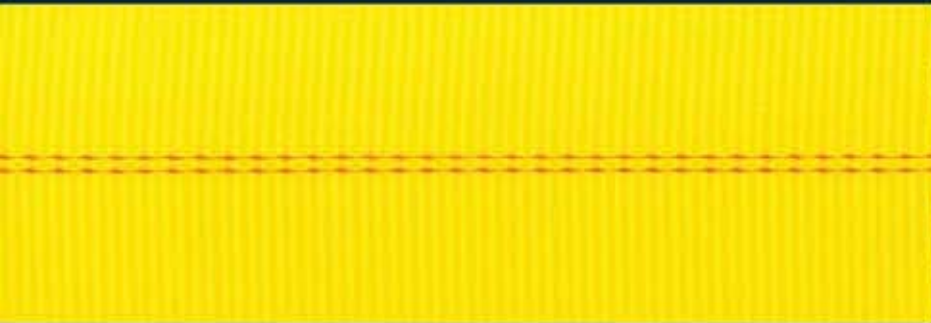
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