Web Winches  Only Ancra offers both ratcheting and non-ratcheting winches for the trucking industry. Both the new patented SilverCap ratcheting winch and our non-ratcheting counterpart comply with DOT, CHP, WSTDA-T3 and Canadian 905 standards. Unless noted below, all have a working load limit of 6,000 lbs. Shown are the most popular models.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>43563-10-RC</td>
<td>Standard Bottom Mount Ratcheting Cap</td>
<td>10.6 lbs.</td>
</tr>
<tr>
<td>43573-10-RC</td>
<td>Standard Storage Ratcheting Cap</td>
<td>12.2 lbs.</td>
</tr>
<tr>
<td>43564-12-RC</td>
<td>Storage Portable Ratcheting Cap w/2 set screws</td>
<td>11.1 lbs.</td>
</tr>
<tr>
<td>43564-14-RC</td>
<td>Standard Portable Ratcheting Cap w/2 set screws</td>
<td>10.7 lbs.</td>
</tr>
<tr>
<td>43579-20-RC</td>
<td>Low Profile Side Mount Ratcheting Cap</td>
<td>8.6 lbs.</td>
</tr>
<tr>
<td>43565-15-RC</td>
<td>Standard Bottom Mount Ratcheting Cap C Track</td>
<td>11.5 lbs.</td>
</tr>
<tr>
<td>43565-12-RC</td>
<td>Deep Storage Bottom Mount Ratcheting Cap C Track</td>
<td>11.4 lbs.</td>
</tr>
<tr>
<td>43565-12-RC</td>
<td>Standard Storage Non-ratcheting C Track</td>
<td>9.9 lbs.</td>
</tr>
<tr>
<td>43564-12</td>
<td>Storage Portable Non-ratcheting w/2 set screws</td>
<td>9.9 lbs.</td>
</tr>
<tr>
<td>43564-14</td>
<td>Standard Portable Non-ratcheting w/2 set screws</td>
<td>10.7 lbs.</td>
</tr>
<tr>
<td>43579-20</td>
<td>Low Profile Side Mount Non-ratcheting</td>
<td>8.6 lbs.</td>
</tr>
<tr>
<td>43565-12</td>
<td>Standard Storage Non-ratcheting C Track</td>
<td>9.9 lbs.</td>
</tr>
<tr>
<td>43565-12</td>
<td>Deep Storage Bottom Mount Non-ratcheting C Track</td>
<td>11.4 lbs.</td>
</tr>
<tr>
<td>43565-12</td>
<td>Deep Storage Bottom Mount Non-ratcheting C Track</td>
<td>12.2 lbs.</td>
</tr>
<tr>
<td>43565-15</td>
<td>Standard Bottom Mount Non-ratcheting C Track</td>
<td>10.3 lbs.</td>
</tr>
<tr>
<td>43565-15</td>
<td>Standard Bottom Mount Non-ratcheting C Track</td>
<td>11.5 lbs.</td>
</tr>
<tr>
<td>43565-12</td>
<td>Deep Storage Bottom Mount Non-ratcheting C Track</td>
<td>11.4 lbs.</td>
</tr>
<tr>
<td>49207-13-RC</td>
<td>Standard Ratcheting Cap Double L Track WLL: 5,000 lbs.</td>
<td>10.5 lbs.</td>
</tr>
<tr>
<td>49207-13</td>
<td>Standard Non-ratcheting Cap Double L Track WLL: 5,000 lbs.</td>
<td>8.1 lbs.</td>
</tr>
<tr>
<td>49207-18-RC</td>
<td>Low Profile Ratcheting Cap Double L Track WLL: 5,000 lbs.</td>
<td>9.3 lbs.</td>
</tr>
<tr>
<td>49207-18</td>
<td>Low Profile Non-ratcheting Cap Double L Track WLL: 5,000 lbs.</td>
<td>9.3 lbs.</td>
</tr>
<tr>
<td>49207-13</td>
<td>Standard Ratcheting Cap Double L Track WLL: 5,000 lbs.</td>
<td>10.0 lbs.</td>
</tr>
<tr>
<td>49207-13</td>
<td>Standard Non-ratcheting Cap Double L Track WLL: 5,000 lbs.</td>
<td>8.1 lbs.</td>
</tr>
<tr>
<td>49207-18</td>
<td>Low Profile Ratcheting Cap Double L Track WLL: 5,000 lbs.</td>
<td>10.5 lbs.</td>
</tr>
<tr>
<td>49207-18</td>
<td>Low Profile Non-ratcheting Cap Double L Track WLL: 5,000 lbs.</td>
<td>9.3 lbs.</td>
</tr>
</tbody>
</table>

SilverCap OverDrive Ratcheting Cap

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.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>49723-10</td>
<td>Weight: 3.45 lbs.</td>
<td>Installation is as easy as 1…2…3.</td>
</tr>
</tbody>
</table>

Special Winches  Complies with DOT, CHP, WSTDA-T3 and Canadian 905 standards.

Web Winches

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>48101-10</td>
<td>3-Bar Low Profile Side Mount</td>
<td>13.3 lbs.</td>
</tr>
<tr>
<td>49706-10</td>
<td>Standard Slider W Track</td>
<td>14.7 lbs.</td>
</tr>
<tr>
<td>49706-11</td>
<td>Low Profile Slider W Track</td>
<td>13.4 lbs.</td>
</tr>
</tbody>
</table>

Combo Winch

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>41681-10</td>
<td>Standard Combination Bottom Mount Cap</td>
<td>10.6 lbs.</td>
</tr>
</tbody>
</table>
Winch Track
For standard C track and Double L track slider winches

- **Steel C Track**
  - Formed from high strength 1/4” steel plate
  - Length: 6’
  - Weight: 39 lbs.

- **Aluminum C Track**
  - High strength aluminum extrusion
  - Length: 6’
  - Weight: 19 lbs.

- **Double L Track**
  - Length: 10’
  - Weight: 26.25 lbs.

- **Low Profile Double L Track**
  - Length: 10’
  - Weight: 17.4 lbs.

PortaWinch and PortaAnchor
Versatile solution to turn stake pockets into anchoring points on flatbed trailers

- **PORTA WINCH** (3-Bar Style)
  - Standard outward off-set
  - **49716-10**
  - WLL: 5,500 lbs.
  - Weight: 11.5 lbs.

- **PORTA ANCHOR**
  - Inward off-set for track-mounted tarp clearance.
  - **49717-10**
  - WLL: 5,500 lbs.
  - Weight: 8.9 lbs.

PortaWinches are also available in SilverCap ratcheting cap models 49716-10-RC and 49716-11-RC

PortaAnchor are also available in SilverCap ratcheting cap models 49717-10-RC and 49717-11-RC

Covered by multiple U.S. and International Patents.

Winch Bars
34-inch with heat-treated, tapered and anged tips. Knurled handles to improve grip on the bar.

- **42313-10**
  - Standard Painted, Weight: 5.0 lbs.

- **42313-12**
  - Combination Box End, Painted, Weight: 6.5 lbs.

- **42313-17**
  - Standard Chrome, Weight: 5.0 lbs.

- **42313-19**
  - Combination Chrome, Weight: 6.5 lbs.

- **42313-20**
  - Combination Painted, Weight: 6.5 lbs.

Standard 2” Winch Strap
WLL: 3,333 lbs.

- **41659-10-27**
  - 27-ft. with Flat Hook

- **41659-10-30**
  - 30-ft. with Flat Hook

Standard 3” Winch Strap
WLL: 5,400 lbs.

- **41660-10-27**
  - 27-ft. with Flat Hook

- **41660-10-30**
  - 30-ft. with Flat Hook

- **41660-14-27**
  - 27-ft. with Chain Anchor

- **41660-14-30**
  - 30-ft. with Chain Anchor
**Flatbed Solutions**

**Standard 4" Winch Strap**  WLL: 5,400 lbs.

- 43795-10-27: 27-ft. with Flat Hook
- 43795-10-30: 30-ft. with Flat Hook
- 43795-11-27: 27-ft. with Delta Ring
- 43795-11-30: 30-ft. with Delta Ring
- 43795-13-27: 27-ft. with Twisted Loop
- 43795-13-30: 30-ft. with Twisted Loop
- 43795-15-30: 30-ft. with Chain Anchor
- 43795-80-27: 27-ft. with Flat Hook
- 43795-80-30: 30-ft. with Flat Hook
- 43795-81-30: 30-ft. with Delta Ring
- 43795-83-30: 30-ft. with Twisted Loop
- 43795-85-30: 30-ft. with Chain Anchor

**Premium 4" BLUE Winch Strap**  WLL: 5,400 lbs

Delivers greater abrasion resistance over conventional web straps

- 43795-80-27: 27-ft. with Flat Hook
- 43795-80-30: 30-ft. with Flat Hook
- 43795-81-30: 30-ft. with Delta Ring
- 43795-83-30: 30-ft. with Twisted Loop
- 43795-85-30: 30-ft. with Chain Anchor

**Roll-On/Roll-Off Container Strap**  4' x 5-ft. with Container Hook-FMCSA Compliant

- 49526-10: WLL: 5,400 lbs.

**Coil Racks**  Available in both light duty and heavy duty models for your specific applications

- 49344-10: Light Duty, 10 gauge steel, Weight: 5.7 lbs
- 49344-12: Heavy Duty, 1/4 steel sheet per ASTM A36, Weight: 15.63 lbs

**Transport Chain**  Grade 70 Transport Chain meets NACM standards

- **Chain Assemblies with Clevis Hooks**
  - 5/16" Chain Assemblies
    - 45881-10-16: 5/16" x 16" WLL: 4,700 lbs.
    - 45881-10-20: 5/16" x 20" WLL: 4,700 lbs.
    - 45881-10-25: 5/16" x 25" WLL: 4,700 lbs.
  - 3/8" Chain Assemblies
    - 45881-11-16: 3/8" x 16" WLL: 6,600 lbs.
    - 45881-11-20: 3/8" x 20" WLL: 6,600 lbs.
  - 1/2" Chain Assemblies
    - 45881-13-20: 1/2" x 20" WLL: 11,300 lbs.

- **Bulk Chain**
  - 5/16" Chain x 400' 45880-10: Wt: 408 lbs.
  - 1/2" Chain x 100' 45880-13: Wt: 251 lbs.

- **Clevis Hooks**
  - 5/16" Clevis Hook 45946-10: Wt: .85 lbs.
  - 3/8" Clevis Hook 45946-11: Wt: 1.10 lbs.
  - 1/2" Clevis Hook 45946-13: Wt: 2.29 lbs.
## Flatbed Solutions

### Load Binders
Drop forged steel meeting FMCSA and DOT specifications. In three popular models.

- **Lever Load Binders**
  - **45943-10**
    - Accepts 5/16"-3/8" Chain
    - WLL: 5,400 lbs. Wt. 8.0 lbs.
  - **45943-11**
    - Accepts 3/8"-1/2" Chain
    - WLL: 9,200 lbs. Wt. 13.0 lbs.
  - **45943-13**
    - Accepts 1/2"-5/8" Chain
    - WLL: 13,000 lbs. Wt. 19.6 lbs.

- **Recoilless Lever Load Binder**
  - **45943-14**
    - Accepts 5/16"-3/8" Chain
    - WLL: 5,400 lbs. Wt. 9.25 lbs.

- **Ratchet Load Binders**
  - **45943-20**
    - Accepts 5/16"-3/8" Chain
    - WLL: 5,400 lbs. Wt. 11.0 lbs.
  - **45943-21**
    - Accepts 3/8"-1/2" Chain
    - WLL: 9,200 lbs. Wt. 13.5 lbs.
  - **45943-23**
    - Accepts 1/2"-5/8" Chain
    - WLL: 13,000 lbs. Wt. 14.3 lbs.

### Ratchet Strap Assemblies
Meets DOT and WSTD T-1 standards for synthetic web tiedowns.

**2" Long-Wide Handle Ratchet Buckle Straps WLL: 3,333 lbs**

- **45982-10**
  - 27-ft. with Flat Hooks
- **45982-11**
  - 30-ft. with Flat Hooks
- **45982-14**
  - 27-ft. with Grab Hooks
- **45982-33**
  - 30-ft. with Grab Hooks
- **45982-15**
  - 27-ft. with Chain Anchor
- **45982-34**
  - 30-ft. with Chain Anchor
- **45982-42**
  - 27-ft. with Wire Hooks
- **45982-43**
  - 30-ft. with Wire Hooks

**3" Ratchet Buckle Straps WLL: 5,000 lbs**

- **48987-20**
  - 27-ft. with Flat Hooks
- **48987-21**
  - 30-ft. with Flat Hooks
- **48987-24**
  - 27-ft. with Chain Anchor
- **48987-25**
  - 30-ft. with Chain Anchor

**4" Ratchet Buckle Straps WLL: 5,400 lbs**

- **49346-10**
  - 27-ft. with Flat Hooks
- **49346-11**
  - 30-ft. with Flat Hooks
- **49346-14**
  - 27-ft. with Chain Anchor
- **49346-15**
  - 30-ft. with Chain Anchor

### Corner Protectors
Full line of corner protectors to protect your straps and cargo.

- **42098-12**
  - Fiber Reinforced Rubber - For up to 4" web straps
  - Weight: .75 lbs.
- **43986-10**
  - High Density Polymer - For up to 4" web straps
  - Weight: .66 lb.
- **49584-10**
  - 12" Steel - For up to 4" web straps
  - Weight: .47 lb.
- **49377-10**
  - Steel - For use with chain
  - Weight: 1.10 lbs.
- **49577-10**
  - Steel - For use with chain and straps
  - Weight: .90 lb.
- **49756-10**
  - Steel - For use with chain and straps
  - Weight: 1.26 lbs.

### Rubber Ties
Wide assortment of quality rubber ties. Use caution when using rubber ties.

- **41569-10**
  - 9-in. 10 lbs./box
- **41569-15**
  - 15-in. 12 lbs./box
- **41569-21**
  - 21-in. 15 lbs./box
- **41569-31**
  - 31-in. 19 lbs./box
- **41569-41**
  - 41-in. 23 lbs./box
  - Quantity 50 per box
  - Hooks crimped to prevent loss
  - Designed to hold tarp covers on trucks and trailers
  - Not to be used to restrain or secure cargo
  - Molded from an ozone resistant rubber compound
  - Stretches up to twice their length
Lift-A-Deck II – Decking System

**Standard L-A-D beam w/standard foot and channel assembly**

Adjusts from 93.50 to 103.75 inches. Shoring and Decking WLL: 2,200 lbs.

**Lift-A-Deck II Track Options**

- **49363-15**
  - Double Row Flanged S-Track
  - Weight: 2.25 lbs.

- **49363-14**
  - Low Profile Single Row Flanged S-Track
  - Weight: 2.25 lbs.

**Series E Logistic Track**

- **48117-25-120.00**
  - Green Powder Coat
  - Weight: 16.6 lbs./10-ft.

- **48117-21-120.00**
  - Galvanized
  - Weight: 17.2 lbs./10-ft.

**Series F Logistic Track**

- **40849-14**
  - Weight: 6.0 lbs./10-ft.

- **49313-13**
  - 12-Gauge High Strength Steel w/ 1” holes. Galvanized Finish.
  - Weight: 12.2 lbs./10-ft.

**Shoring Bars – F Series with new easy push button design**

Adjustable in 2-in. increments to 117-in. with recommended install length of 81-117 in.

- **49439-10**
  - Shoring WLL: 500 lbs. Wt: 20.0 lbs.

- **49439-11**
  - For 1-in. hole diameter track (Canada)
  - Shoring WLL: 500 lbs. Wt: 20.0 lbs.

- **49439-20**
  - Shoring WLL: 1,000 lbs. Wt: 27.9 lbs.

- **49439-21**
  - For 1-in. hole diameter track (Canada)
  - Shoring WLL: 1,000 lbs. Wt: 27.9 lbs.
### Series E and A Decking/Shoring Beams with Patented Flat Latch

All Ancra Decking/Shoring Beams are equipped with our new patented Flat Latch. The Flat Latch eliminates bent triggers, jammed beams, costly beam replacement and repairs, and out-of-service problems. The new Flat Latch can’t damage interior trailer walls. The flat latch channel assembly can be purchased separately to retro-fit older trigger style beams.

#### Standard Duty Aluminum E and A Decking Beams

<table>
<thead>
<tr>
<th>Code</th>
<th>Adjust. Range</th>
<th>Weight</th>
<th>Deck &amp; Shoring WLL</th>
</tr>
</thead>
<tbody>
<tr>
<td>43638-50</td>
<td>85.7-96.6 in.</td>
<td>20.5 lbs.</td>
<td>2,200 lbs.</td>
</tr>
<tr>
<td>43638-51</td>
<td>92.0-102.9 in.</td>
<td>22.5 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

#### Heavy Duty Aluminum E and A Decking Beams

<table>
<thead>
<tr>
<th>Code</th>
<th>Adjust. Range</th>
<th>Weight</th>
<th>Deck &amp; Shoring WLL</th>
</tr>
</thead>
<tbody>
<tr>
<td>49039-50</td>
<td>83.7-94.7 in.</td>
<td>20.5 lbs.</td>
<td></td>
</tr>
<tr>
<td>49039-51</td>
<td>91.9-102.0 in.</td>
<td>22.5 lbs.</td>
<td></td>
</tr>
<tr>
<td>49039-52</td>
<td>94.8-105.8 in.</td>
<td>24.25 lbs.</td>
<td>3,000 lbs.</td>
</tr>
</tbody>
</table>

### Cargo Sta Load Bars –

Available in Aluminum and Steel Bar models for light to medium duty applications.

#### Aluminum Cargo Sta

<table>
<thead>
<tr>
<th>Code</th>
<th>Adjust. Range</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>43782-15</td>
<td>89.75-104.5-in.</td>
<td>8.95 lbs.</td>
</tr>
</tbody>
</table>

#### Steel Cargo Sta with Bolt-On Feet

<table>
<thead>
<tr>
<th>Code</th>
<th>Adjust. Range</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>48407-10</td>
<td>89.75-104.5-in.</td>
<td>11.72 lbs.</td>
</tr>
</tbody>
</table>

### Jack Bars –

Ancra’s jack mechanism makes quick work of securing loads and is available in three models for light to medium duty applications.

#### Heavy Duty One-Piece

Galvanized finish for corrosion resistance.

<table>
<thead>
<tr>
<th>Code</th>
<th>Adjust. Range</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>49205-26</td>
<td>85.0-114.0-in.</td>
<td>18 lbs.</td>
</tr>
</tbody>
</table>

### Heavy-Duty One-Piece Jack Bar with Hoops –

Built-in hoops for restraining small items and packages.

<table>
<thead>
<tr>
<th>Code</th>
<th>Adjust. Range</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>49205-27</td>
<td>85-114-in.</td>
<td>25 lbs.</td>
</tr>
</tbody>
</table>

### Universal Jack Bar –

This jack bar features a patented design which allows for 3 adjustment range settings, increasing its versatility for use in half load applications.

<table>
<thead>
<tr>
<th>Code</th>
<th>Adjust. Range</th>
<th>Weight</th>
</tr>
</thead>
</table>
Accessories

### Cargo Sta Hoop Set
- **43991-10**
  - Designed to fit round tube Cargo Sta bars (43782, 47209 and 48407)
  - Weight: 10.0 lbs.

### Cargo Bar Holder
- **49348-10**
  - Mounts to exterior of tractor cab and holds two 2”x4” or 4”x4” cargo bars
  - Weight: 5.5 lbs.

### Standard Beam Socket
- **40921-10**
  - For use w/ commercial grade Douglas Fir 2”x6” lumber
  - Weight: .70 lb.

### Series E/A Rope Tie Off
- **40386-11**
  - With spring actuated fitting for rope use in Series E or A track
  - WLL: 1,000 lbs.
  - Weight: .40 lb.

### Utility Tiedowns - Versatile and reliable for securing a wide range of light- to medium-duty cargo.

#### Series E Cam Buckle Straps with Spring End Fittings
- Popular straps for securing light to medium loads. Comes in 3 color coded sizes. **WLL: 833 lbs**

- **40602-17**
  - 12-ft, 1” Webbing
  - Weight: 1.90 lbs.

- **40602-18**
  - 16-ft, 1” Webbing
  - Weight: 2.10 lbs.

- **40602-19**
  - 20-ft, 1” Webbing
  - Weight: 2.40 lbs.

#### Series E Ratchet Buckle Straps with Spring End Fittings
- Low profile ratchet buckle makes tensioning more convenient for securing loads. Three standard color coded sizes. **WLL: 1,000 lbs**

- **48672-13**
  - 12-ft, 1” Webbing
  - Weight: 3.20 lbs.

- **48672-14**
  - 16-ft, 1” Webbing
  - Weight: 3.30 lbs.

- **48672-15**
  - 20-ft, 1” Webbing
  - Weight: 3.40 lbs.

#### Torque Limiting Ratchet Straps with Spring End Fittings
- Reduces the possibility of damage to logistics track and sidewalls by limiting the pre-load torque placed on the strap assembly. Patented ratchet mechanism limits strap tension to 300 lbs., enough to secure your load, but not enough to cause damage from over tightening. **WLL: 1,000 lbs**

- **48672-33**
  - 12-ft, 1” Webbing
  - Weight: 4.00 lbs.

- **48672-34**
  - 16-ft, 1” Webbing
  - Weight: 4.10 lbs.

- **48672-35**
  - 20-ft, 1” Webbing
  - Weight: 4.20 lbs.

#### Utility Tiedowns
- **41048-10**
  - Utility Tiedown
  - 1”x 5-1/2’ Red
  - WLL: 400 lbs.
  - Weight: 1.60 lbs.

- **43887-10**
  - Heavy-Duty Ratcheting Tiedown with D-Ring and Wire Hooks
  - WLL: 1,000 lbs.
  - 1”x16’
  - Weight: 1.56 lbs.

- **43887-11**
  - 1”x20’
  - Weight: 1.69 lbs.

- **49368-10**
  - Ratcheting Tiedowns
  - 1”x15’ - 4 pack
  - WLL: 266 lbs.
  - Weight: 4.7 lbs.

- **49368-11**
  - Cam Buckle Tiedowns
  - 1”x6’ - 4 pack
  - WLL: 266 lbs.
  - Weight: 3.7 lbs.
**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.

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**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 x 24,000 LB (Article Weight) = 12,000 LBS (5,455 KG)
  - Minimum number of tiedowns
  - 12,000 LBS ÷ 4,000 LB (WLL of tiedown) = 3 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 tiedown 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 tiedown 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 11.
**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**
- **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
- **California Highway Patrol (CHP) Title 13**
  Website: www.chp.ca.gov
- **Web Sling & Tiedown Association (WSTDA)**
  Website: www.wstda.com
- **Commercial Vehicle Safety Alliance (CVSN)**
  Website: www.cvsa.org
- **Specialized Carriers & Rigging Association (SC&RA)**
  Website: www.scranet.org
- **Truck Trailer Manufacturing Association (TTMA)**
  Website: www.ttma.org
- **Canada**
  The Ministry of Transportation in each Province
  Website: www.mto.gov.on.ca
- **Mexico**
  Dir. General de Transporte Terresta SubDirector de Inspection del Transporte
LITERATURE ON REQUEST
Information on other Ancra products and Systems.