

## STRAP ASSEMBLIES

CDS Moving Equipment manufactures and supplies the transportation industry with the highest quality cargo control equipment available. If your cargo restraint requirements are unique please contact us. We can design a system to suit your needs.

Please read the important information regarding what load capacities really mean. We believe that purchasers and the user must understand the correct application and the strength of the strap assemblies purchased. The user should evaluate working load requirements before selecting appropriate hardware and strap assemblies. Remember, all strap assemblies or systems are as strong as their weakest component, including the point of attachment.

**WHAT IS WORKING LOAD CAPACITY?** This is the maximum load a component or assembly should be subjected to during routine use. For your safety, CDS recommends that "working load capacity" not exceed one-third (1/3) the component an/or assembly "breaking strength capacity".

**WHAT IS A RATED LOAD CAPACITY?** Ratings are generally established and/or regulated by industry or legislative standards and may vary from industry to industry. For example, the 1387 California Highway Patrol rating for flatbed tie-downs is established at 70% of the breaking strength capacity of web binders or 80% of the breaking strength capacity or force required to cause permanent distortion of component hardware, whichever is less.

IT IS THE OWNERS' AND USERS' 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 catalog are based on the product being new, and applied 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 or abrasive edges or acids.

Products are subject to age, wear and deterioration, all of which cause a reduction in the products' 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 system will probably fail first. Each component of the entire systems plays an important part in restraining cargo. It is important that tie-downs be attached to components that are of sufficient strength to properly secure the load. For example, if one anchors a standard web binder assembly with a rated load capacity of 12,000 lbs. to a device with a breaking strength capacity of 5,000 lbs., then that system will fail at 5,000 lbs.

This information is provided to you because we believe that purchasers and the user must understand the correct application and strength of products purchased.



**STANDARD STRAP ASSEMBLIES**

This line of standard pull tight cam buckle straps is designed to meet virtually all of your load securing needs. Designed for use with trucks equipped with E-track rails. Durable 2" wide webbing has a 4 foot fixed end length. 1,000 lb. working load capacity.

- Model # 4019-12E**      12' yellow
- Model # 4019-16E**      16' gray
- Model # 4019-20E**      20' blue



**STANDARD STRAP ASSEMBLIES WITH DOUBLE FIXED ENDS**

Designed to the same specs of our Standard Strap Assemblies, this strap has two fixed ends allowing you to place the pull cam closer to or further away from the wall, depending on your needs. Designed for use with trucks equipped with E-track rails. Equipped with one 42" fixed end and 6" fixed end. 1,000 lb. working load capacity.

- Model # 40602-17-3**      12' yellow
- Model # 40602-18-3**      16' gray
- Model # 40602-19-3**      20' blue



**RATCHET BUCKLE STRAPS**

Designed for exterior or flat-bed trucks, ratchet buckle binders are versatile tie-downs. They can be positioned on the load for maximum load security. Simple to operate standard ratchet binders are supplied with a 2" polyester webbing. 2" flat hooks on both strap ends. 30' long

- Model # 45983-11**    1,600 lb. working load cap.
- Model # 45982-11**    3,300 lb. working load cap.



- RENTAL EQUIPMENT
- MOVING EQUIPMENT
- FURNITURE PADS
- WAREHOUSE EQUIPMENT
- APPLIANCE DOLLIES
- HAND TRUCKS
- VAN EQUIPMENT
- CARGO CONTROL**
- RAMPS/WALK BOARDS
- RETAIL MATERIAL
- BOXES
- PACKING MATERIAL
- LABELS



## RATCHET STRAP ASSEMBLIES

This line of ratchet straps is designed to meet virtually all of your load securing needs. Designed for use with trucks equipped with E-track rails. Durable 2" wide webbing has a 4 foot fixed end length. 1,000 lb. working load capacity.

<b>Model # 5N7H7H-144P2</b>	12'	yellow
<b>Model # 5N7H7H-192P2</b>	16'	gray
<b>Model # 5N7H7H-240P2</b>	20'	blue



## AUTO TIE DOWNS

Our auto tie down strap was designed specifically for securing automobiles while in transport. Unique cluster hook provides multiple hook styles to fit a wide variety of automobiles. Fixed end of strap utilizes a spring loaded E-track fitting. Durable 2" wide webbing with a 1' fixed end length is 8' long overall. Ratchet buckle ensures load is properly secured.

1,000 working load capacity per strap.

**Model # 96P2-SP** yellow



## ROPE TIE OFFS

E-track rope tie off allows rope or tie webbing to be used with an E-track system. Click the rope tie off into the E-track rail and the fixed D-ring provides the perfect tie down loop. Flexible webbing between E-track fitting and D-ring allows tie off to twist or flex to fit a variety of tie down situations. 1,000 working load capacity.

**Model # 40386-11**



## DELUXE END FITTING SWIVEL D-RING

The deluxe end fitting swivel D-ring allows rope or tie webbing to be used with an E-track system. Click into the E-track rail and the fixed D-ring provides the perfect tie down loop.

1,000 working load capacity.

**Model # SP**





**MINI CARGO STRAP**

The mini cargo strap is a ratchet buckle cargo strap for medium-weight loads. 1" webbing is secured with a heavy-duty ratchet buckle. 1" narrow hook and keeper ends make securing your strap or load easy. 1' fixed end. 3,300 breaking strength, 1,100 working load capacity

**Model # 43887-10** 16'

**Model # 43887-11** 20'

**STUDIO STRAP**

Durable 1" wide webbing with vinyl covered S' hook ends. Ratchet buckle allows you to secure any load. This strap is a versatile all purpose strap. 16' long with 15" fixed end.

**Model # 42192-15**

**MOTORCYCLE STRAP**

Our motorcycle straps are made of durable 1" webbing with plastic coated open hooks on both ends. Pull tight buckle provides easy use and load security. Ideal for motorcycles and bicycles or a variety of multi-use situations . 6' overall length. 400 lb. working load capacity.

**Model # 41048-10**

**ALL PURPOSE STRAP**

All purpose strap with one alligator style buckles gives you all the versatility to secure bundles of items. Perfect for bundles of pads, boxes, rug runners and more. 1" wide webbing x 15'

**Model # 46328-15**

**RUBBER TENSION TIES**

Produced from the finest synthetic EPT rubber, our rubber tension ties have exceptional ozone resistance and stretch resiliency. Maintains constant uniform tension. Holds tarps securely. Quickly and easily secure rugs, appliance and hand trucks, van pads, dollies, piano boards, etc. much faster than using rope. (10 per pack)

	LENGTH	
	WITH HOOKS	SPAN
<b>Model # 41569-10</b>	14"	15" - 20"
<b>Model # 41569-11</b>	19"	20" - 30"
<b>Model # 41569-12</b>	25"	30" - 40"
<b>Model # 41569-13</b>	35"	40" - 55"
<b>Model # 41569-14</b>	41"	50" - 70"



RENTAL EQUIPMENT  
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RETAIL MATERIAL  
BOXES  
PACKING MATERIAL  
LABELS

### CUSTOM STRAP ASSEMBLIES

CDS can create custom cargo control strap assemblies to meet your unique needs. Using our list of parts and webbing, you can design your own straps, which we custom sew in our facility. To design your custom strap, follow the instructions below to create your strap code. All straps are manufactured in our Compton, California location. Call your custom strap code in to our Compton customer service department and you are on your way to creating your own custom cargo control strap assembly.

#### DESIGNING A CUSTOM CARGO CONTROL STRAP ASSEMBLY

Buckle Number Code	End Fitting on Fixed End	End Fitting on Adjustable End	Fixed End Length Inches	Overall Length Inches	Type of Webbing
<b>XX</b>	<b>XX</b>	<b>XX</b>	<b>XX</b>	<b>XX</b>	<b>XXX</b>

#### STRAP WEBBING

2" Yellow	2" Yellow	2" Blue	2" Gray	4" Yellow	1" Black
12,000 lb. breaking strength	6,000 lb. breaking strength	6,000 lb. breaking strength	6,000 lb. breaking strength	24,000 lb. breaking strength	4,500 lb. breaking strength
4,000 lb. working load cap.	2,000 lb. working load cap.	2,000 lb. working load cap.	2,000 lb. working load cap.	12,000 lb. working load cap.	1,500 lb. working load cap.
<b>Model # P1Y</b>	<b>Model # P2Y</b>	<b>Model # P2B</b>	<b>Model # P2G</b>	<b>Model # P5Y</b>	<b>Model # N4B</b>



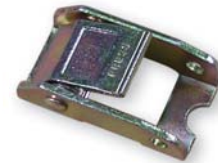




**2" E-TRACK FITTING**  
1,000 lb. working load cap.  
Model # 7H



**2" NARROW HOOK**  
1,600 lb. working load cap.  
Model # 2L



**1" CAM BUCKLE**  
600 lb. working load cap.  
Model # 5K



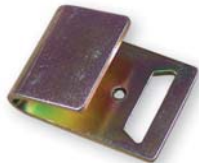
**2" SLAT HOOK**  
1,000 lb. working load cap.  
Model # 30



**2" NARROW HOOK**  
4,400 lb. working load cap.  
Model # 5L



**2" CAM BUCKLE**  
1,000 lb. working load cap.  
Model # 6G



**2" FLAT HOOK**  
3,300 lb. working load cap.  
Model # 02



**1" NARROW HOOK**  
1,000 lb. working load cap.  
Model # 21



**1" RATCHET**  
1,400 lb. working load cap.  
Model # 2H



**4" FLAT HOOK**  
5,000 lb. working load cap.  
Model # 2D



**2" D RING**  
1,600 lb. working load cap.  
Model # 12A



**2" RATCHET**  
1,600 lb. working load cap.  
Model # 3P



**2" SNAP HOOK**  
1,600 lb. working load cap.  
Model # 01



**1" D RING**  
1,600 lb. working load cap.  
Model # 18



**2" RATCHET**  
3,300 lb. working load cap.  
Model # 4N



**2" DELUXE END FITTING**  
1,000 lb. working load cap.  
Model # SP



**1 1/4" OPEN HOOK**  
750 lb. working load cap.  
Model # 42



**CLUSTER HOOK**  
Model # 2P



### TIE WEBBING

Superior to rope for tying loads inside trucks. Flat webbing reduces rope damage to items.

- |                        |   |
|------------------------|---|
| <b>Model # VE-1</b>    | 1" nylon webbing<br>150' roll                   |
| <b>Model # VE-1-15</b> | 1" nylon webbing<br>15' w/ sewn loop on one end |
| <b>Model # VE-2</b>    | 2" cotton webbing<br>100' roll                  |



### CALIFORNIA POLY TRUCK ROPE

Heavy duty three-strand rope that will last three times longer than manila rope. Will not rot or mildew. Black with orange.

- |                            |               |
|----------------------------|---------------|
| <b>Model # CT3800</b>      | 3/8" x 600'   |
| <b>Model # CT3800-1200</b> | 3/8" x 1,200' |
| <b>Model # CT7600</b>      | 7/16" x 600'  |
| <b>Model # CT1200-50</b>   | 1/2" x 50'    |
| <b>Model # CT1200</b>      | 1/2" x 600'   |
| <b>Model # CT5800</b>      | 5/8" x 600'   |



### SISAL TWINE

Strong and soft sisal rope is perfect for general purpose tying and packing.

- |                       |                               |       |
|-----------------------|-------------------------------|-------|
| <b>Model # SR1450</b> | 1/4" x 50'                    | 3-ply |
| <b>Model # VE-16</b>  | 10 lb. ball<br>(approx. 300') | 2-ply |



**E-TRACK RAILS**

The standard in the shipping industry. E-track rails are designed to accept Series E end fittings, beam sockets and decking beams. Made from 12 gauge steel. Minimum yield stress of 45,000 psi. 10' lengths.

- Model # 40837-10**      Horizontal rail
- Model # 40838-10**      Vertical rail

**BEAM SOCKETS**

Designed to click into E-track rails. Socket holds 2" wide beams. Using a commercial grade douglas fir, a 2 x 4 can safely carry 80 lbs. for decking. A 2 x 6 can carry 200 lbs. with a dynamic load of 5 G's. For shoring applications a 2 x 4 will hold 100 lbs. A 2 x 6 will hold 1,500 lbs. with a dynamic load of 2 G's.

**Model # 44019-10**

**DECKING BEAMS**

Designed for use with E-track systems. These decking beams retract and expand from 90" to 102" to fit most standard truck sizes.

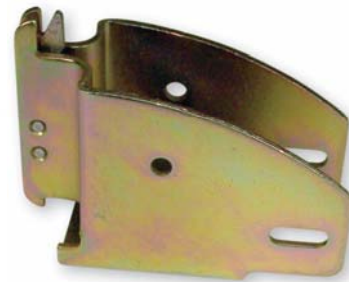
- Model # DB102**      2,200 lb. cap. (Standard Duty)
- Model # DBHD102**      3,000 lb. cap. (Heavy Duty)

**PAN FITTINGS**

Pan fittings provide you with the perfect permanent rope tie down D-ring. Designed for low profile mounting in trucks and cargo containers. Our pan fittings are made from high quality corrosion-resistant material and zinc plated steel. Trim plate collar is made of high density polyethylene.

500 lb. working load capacity.

**Model # 45545-15**



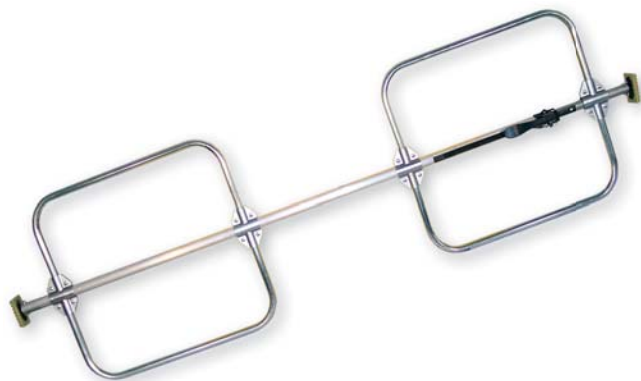




### CARGO BAR/LOAD LOCK BAR

Made of high strength aluminum, our cargo bar extends to fit tight against the sides of the inside of truck walls and locks in place without excessive pressure. Molded rubber feet grip the walls to provide cargo holding ability. Adjusts from 89" to 105".

**Model # 10088**



### CARGO HOOPS

Hoops attach to our load lock bars to help restrain small packages over a large area. Set of two hoops and all attachment hardware for easy mounting to load lock. **Model # 10096**



### RATCHET BUCKLE STRAPS

Designed for exterior or flat-bed trucks, ratchet buckle binders are versatile tie-downs. They can be positioned on the load for maximum load security. Simple to operate standard ratchet binders are supplied with a 2" polyester webbing. 2" flat hooks on both strap ends. 30' long

**Model # 45983-11** 1,600 lb. working load cap.

**Model # 45982-11** 3,300 lb. working load cap.



**WINCH STRAP ASSEMBLIES**

Designed for use on trucks with built-in strap winches. 4" wide webbing is approved for highway use. 12,000 lb. rating.

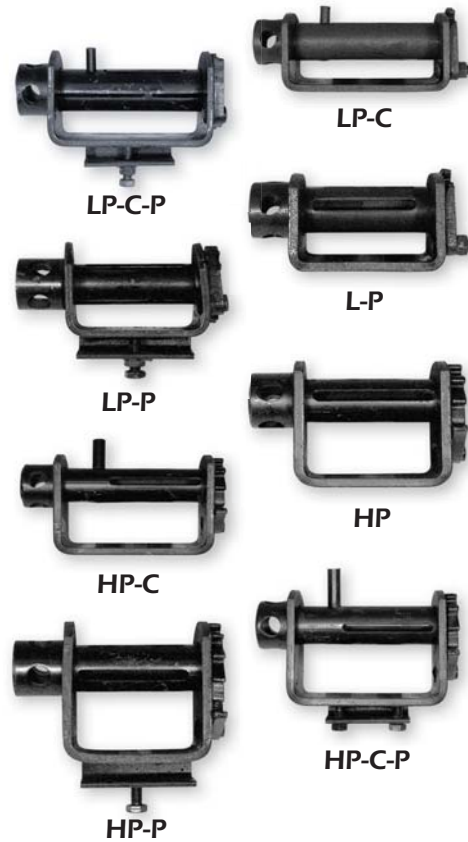
- Model # 43795-10-30** 30' long with flat hook
- Model # 43795-13-30** 30' long with sewn loop



**TRAILER WINCHES**

Designed to be used with web straps up to 4" wide.

- Model # LP-C** Low profile combination winch. Use with cable or web. (weld on)
- Model # LP-C-P** Low profile combination winch. Use with cable or web (bolt on)
- Model # L-P** Low profile winch. Use with web. (weld on)
- Model # LP-P** Low profile winch. Use with web. (bolt on)
- Model # HP** High profile winch. Use with web. (weld on)
- Model # HP-C** High profile combination winch. Use with cable or web. (weld on)
- Model # HP-C-P** High profile combination winch. Use with cable or web. (bolt on)
- Model # HP-P** High profile winch. Use with web. (bolt on)



**TARPS**

Extra heavy duty polypropylene tarps. Metal gromits allow tarps to be tied down securely.

- Model # 070685** 12' x 24' GRAY
- Model # 070686** 18' x 24' GRAY
- Model # 070690** 20' x 20' GRAY
- Model # 070696** 20' x 40' GRAY
- Model # T-1012** 10' x 12' BLUE
- Model # T-2020** 20' x 20' BLUE





### WINCH BAR

Steel winch bar is angled with a tapered tip for easy operation. Heat treated tip for maximum service life. 35" overall length.

**Model # 42313-10**

Standard winch bar

**Model # 42313-11**

Combination winch bar



### LOAD BINDERS

Load binders are constructed of curable 70 grade steel. 16" lever has a 4 1/2" takeup.

4,700 lb. working load limit.

**Model # BX-320**

Leverage binder

**Model # BXR-310**

Ratcheting binder



### TIE-DOWN CHAINS

Forged grade 70 chain with clevis grab hooks on each end.

**Model # 45881-10**

5/16" x 20'

4,700 lb. load limit

**Model # 45881-10-14**

5/16" x 14'

4,700 lb. load limit

**Model # 45881-11**

3/8" x 20'

6,600 lb. load limit

