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LOAD BINDERS

Warnings and Application Instructions

! WARNING!
- Failure to use this load binder properly may result in serious injury or even death to you or others.
- Do not operate load binder while standing on the load.
- Move handle with caution. It may whip - Keep body clear.
- Keep yourself out of the path of the moving handle and any loose chain laying on the handle.
- You must be familiar with state and federal regulations regarding size and number of chain systems required for securing loads on trucks.
- Always consider the safety of nearby workers as well as yourself when using load binder.
- While under tension, load binder must not bear against an object, as this will cause side load.
- Do not throw these instructions away. Keep them close at hand and share them with any others who use this load binder.
- Do not attempt to close or open the binder with more than one person.

Mechanical Advantage:

<table>
<thead>
<tr>
<th>Lever Type Binder</th>
<th>Ratchet Type Binder</th>
</tr>
</thead>
<tbody>
<tr>
<td>25:1</td>
<td>50:1</td>
</tr>
</tbody>
</table>

Example: 100 pounds of effort applied to the binder results in the following force on the binder.

Lever Type: 2500 (100 lbs. x 25) lbs. of force
Ratchet Type: 5000 (100 lbs. x 50) lbs. of force

Instructions - Lever Type Load Binders

- Hook load binder to chain so you can operate it while standing on the ground. Position load binder so its handle can be pulled downward to tighten chain (see photo). Be aware of ice, snow, rain, oil, etc. that can affect your footing. Make certain your footing is secure.
- We specifically recommend AGAINST the use of a handle extender (cheater pipe). If sufficient leverage cannot be obtained using the lever type load binder by itself, a ratchet type binder should be used.
- If the above recommendation is disregarded and a cheater pipe is used, it must closely fit the handle and must slide down the handle until the handle projections are contacted. The pipe should be secured to the handle, for example, by a pin, so that the pipe cannot fly off the handle if you lose control and let go. The increased leverage, by using a cheater pipe, can cause deformation and failure of the chain and load binder.
- During and after tightening chain, check load binder handle position. Be sure it is in the locked position and that its bottom side touches the chain link.
- Chain tension may decrease due to load shifting during transport. To be sure the load binder remains in proper position: Secure handle to chain by wrapping the loose end of chain around the handle and the tight part and screw threads of Ratchet Binder to extend product life and reduce friction wear.
- Routinely lubricate pivot and swivel points of Lever Binders, and pawl and ratchet parts.
- Make sure your footing is secure.
- Do not attempt to close or open the binder with more than one person.
- Keep yourself out of the path of the moving handle and any loose chain laying on the handle.
- Move handle with caution. It may whip - Keep body clear.
- Do not operate load binder while standing on the load.
- Do not throw these instructions away. Keep them close at hand and share them with any others who use this load binder.
- Do not attempt to close or open the binder with more than one person.

Ratchet Spring rust proofed.

All load bearings or holding parts forged.

For use with Grade 7 Transport Chain - Applies to R-7 only.

New design “one piece” forged handle.

Continuous take-up feature, infinite adjustment, gets the last half of chain.


One Piece assembly, no bolts or nuts to loosen.

Ratchet spring rust proofed.

Easy operating positive ratchet.

All load bearings or holding parts forged.

Stock Size WLL Load Strength Each Length Length Up

<table>
<thead>
<tr>
<th></th>
<th></th>
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<tr>
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<td>1048404</td>
<td>5/16-3/8</td>
<td>6600</td>
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Note: Binders shown with Proof Load Pounds have been individually Proof Tested to these values shown, prior to shipment.

Quic-Link Ratchet Load Binder - Lebus®

R-7 “Quic-Link”

For use with Grade 7 Transport Chain.


New design “one piece” forged handle.

Continuous take-up feature, infinite adjustment, gets the last half of chain.

One Piece assembly, no bolts or nuts to loosen.

All load bearings or holding parts forged.

Ratchet spring rust proofed.

Easy operating positive ratchet.

Stock Size WLL Load Strength Each Length Length Up

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Note: Individually Proof Tested to 13,200 Lbs. prior to shipment.
Load Securemment

**Load Binders/Ratchet Turnbuckles**

### Snubbing Load Binder - Lebus®

#### L-150
- Forged Steel—Quenched & Tempered.
- Spring cushion for load protection, cushions shock and away.
- Binder toggles away from the load.

### Midget Load Binder - Lebus®

#### L-130
- Forged handle, hooks and swivel link.
- Steel swivels and clevis.

### E-Z Pro Cam Release Lever

Load Binder - cm
- Provides recoilless CAM release design.
- Entirely hand releasable.
- Individually proof tested.
- Use with Grade 43 and Grade 70 Chain.

#### Working Load Limits: Grade 43 = 5,400 lbs./Grade 70 = 6,600 lbs.
3/8” x 14’ Grade 43 or 70 Chain with Welded or Clevis Grab Hooks
3/8” x 16’ Grade 43 or 70 Chain with Welded or Clevis Grab Hooks
3/8” x 20’ Grade 43 or 70 Chain with Welded or Clevis Grab Hooks
3/8” x 25’ Grade 43 or 70 Chain with Welded or Clevis Grab Hooks

### Standard Ratchet Turnbuckle
- Spring-activated pawl in handles.
- Gravity-pawl handles available as an option.
- Barrel hex-drives available for all models.
- Hand-wheel and vise-type handles available on most models.
- Barrels made from cold-drawn steel tubing not from welded pipe.
- All turnbuckles can be equipped with screw stops to decrease chances of unintentional disassembly.
- All turnbuckles can be equipped with lock nuts to decrease chances of accidental loosening.
- Turnbuckles are available galvanized for reduced maintenance in saltwater applications.
- Custom-built or specialty turnbuckles available.

### Threaded Jaws

#### Threaded Jaw Dimensions (in)

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### Threaded Eyebolts

#### Threaded Eyebolt Dimensions (in)

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</table>

* Safe Working Load, in tension, provides a safety factor of approximately five to one.
Ratchet Turnbuckles

Specifications & Dimensions (cont.)

Double-acting handles have a spring-loaded pawl which helps to provide constant engagement of the pawl in the ratchet wheel, regardless of the position of the ratchet turnbuckle. This makes the double-acting handle easier to use whether in general industry, farming, mining, construction, shipbuilding or commercial marine.

Standard hand-wheels, vise-type handles and hex-drives are available upon request.

Our industrial-use barrel is made from cold-drawn tubing and not welded pipe, making it stronger than a comparable pipe barrel. Barrels can be galvanized and fitted with grease fittings to reduce maintenance even in harsh salt-water applications.

Ratchet Turnbuckles

<table>
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<tr>
<th>MODEL NUMBER</th>
<th>Rifled</th>
<th>Corresponding Diameter (in)</th>
<th>X (in)</th>
<th>H (in)</th>
<th>Z (in)</th>
<th>Load* Screw Barrel</th>
<th>Barrel X ( \pi )</th>
<th>Barrel Barrels Length (in)</th>
<th>Range of Adj. (in)</th>
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<tbody>
<tr>
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<td>6 to 24</td>
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<td>9.13</td>
<td>12.25</td>
<td>8 to 36</td>
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</table>

* Safe Working Load, in tension, provides a safety factor of approximately five to one.

Custom Ratchet Turnbuckles

Four-inch Shank Diameter, Jaw-and-Jaw Turnbuckle with Two-Hundred-Thousand Pound Working Load Limit (200,000 lb). (Load Limit is based on an approximate 5 to 1 safety factor.)

These turnbuckles help to hold large vessels in their moorings during the loading and unloading of cargo. Deck hands can easily release the lashings and allow the trip to begin without unnecessary difficulties.

Four-inch Shank Diameter with Two-Hundred-Thousand Pound Working Load Limit (200,000 lb) and a Six-Foot Barrel. (Load Limit is based on an approximate 5 to 1 safety factor.)

These turnbuckles secure a fleet of thirty-story Gantry cranes at a Southeast Asia dock. Even under foul weather conditions, these turnbuckles help provide continuous operations.

Three-inch Shank Diameter with One-Hundred-Thousand Pound Working Load Limit (100,000 lb) and a Nine-Foot Barrel. (Load Limit is based on an approximate 5 to 1 safety factor.)

These turnbuckles bind twenty-three story Gantry cranes to the docks in New York City. Designed to be out of the way when not in use, they also speed up the loading and unloading cycles due to the ease of tensioning.

WINCH PRODUCTS

Winches provide a method for securing cargo on flatbed trailers, rail cars and other vehicles. Hanes Supply offers a wide variety of styles to ensure the correct winch is available for each application.

All winches are designed to meet the requirements of the Department of Transportation (DOT) and California Highway Patrol (CHP). We offer a broad range of winches for use with either 2", 3" or 4" web straps, cable, or a combination of both.

All winches are produced as right-hand models; left-hand models are available as a special order.

• Standard height winches are for bottom mounting only.
• Low Profile winches are designed for side mounting.
• Storable winches are for bottom mounting also and offer added capacity for storing up to 30' of webbing.

Weld-On Webbing Winches

Weld-on winches are designed to be permanently mounted in a fixed position.

Portable Webbing Winches

Portable winches allow flexibility of winch placement along the trailer side channel. (Portable winches are also available with set screws.)

Sliding Webbing Winches & Track

Sliding winches move easily in both directions for positioning in the track, but lock firmly in place when tension is applied to the webbing. Sliding winches must be used with winch track (part numbers 3606 and 3607). All sliding winches can also be welded in place for fixed application.

The design of the sliding winch track facilitates self-cleaning for maintenance-free operation. Winch track is for use with sliding winches only (part numbers 2820, 3820 and 5820). Track can be capped on ends or cross-bolted for security.

Storable Disc Webbing Winches

Disc winches are designed with large disc washers to guide and store the webbing into a straight roll, reducing strap wear. Disc winches can store up to 30' of webbing.
HANG MOUNTED PINTLE HOOKS

**Recommended for off the road equipment - American made for use with drawbar eye dimensions**

- 2-3/8" to 3" with 1-1/4" to 1-5/8" diameter
- To be mounted on a plate of at least 3/4" thick. For 25 ton and 15 ton.

**Do Not weld or modify any pintle hook**

**Spring Mounted Pintle Hooks**

Swivel Mounted Pintle Hooks

**Recommended for off the Road equipment - Do Not Weld or Modify - American Made**

- All 15 Ton have this latch assembly

- All 25 Ton have this latch assembly

**Dual Purpose Hitch**

With dual locking assembly.

**Do Not Weld or Modify**

- American Made

- All DP H balls are interchangeable.

- All Max. Vertical Load - 3,000 lb.

- DP H balls are not a standard ball! Please call for replacement balls!

**Rigid Mounted Pintle Hooks**

Do Not Weld or Modify Any Pintle Hook

**Swivel Mounted Pintle Hooks (continued)**

B30 TON – Mounting Holes 6-1/2" Center to Center

For use with drawbar eye dimensions 3" ID with 1-5/8" diameter

- Specify when ordering military products due to dimensions differential.

- B-30 MS-51117-1

B50 TON

For use with drawbar eye dimensions 3" ID with 1-5/8" diameter

- Specify when ordering military products due to dimensions differential.

- B-50 MS-51117-1

**B30 TON**

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<th>No.</th>
<th>No.</th>
<th>AB</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<td>17/32</td>
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**B50 TON**

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<th>No.</th>
<th>AB</th>
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<th>D</th>
<th>E</th>
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<td>B50 Brackets</td>
<td>4-5/8</td>
<td>2-11/16</td>
<td>1-3/4</td>
<td>2</td>
<td>20,300</td>
</tr>
<tr>
<td>2054111</td>
<td>NB50 No Brackets</td>
<td>4-3/8</td>
<td>1-1/4</td>
<td>1-7/8</td>
<td>17/32</td>
<td>4-1/16</td>
</tr>
</tbody>
</table>

**Cat. Part Vertical Gross Wt.**

<table>
<thead>
<tr>
<th>Cat.</th>
<th>Part</th>
<th>Vertical Gross Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2047104</td>
<td>B8 Brackets</td>
<td>8-1/4</td>
</tr>
<tr>
<td>2052109</td>
<td>NB8 No Brackets</td>
<td>4-3/8</td>
</tr>
</tbody>
</table>

**Dimensions (in)**

<table>
<thead>
<tr>
<th>Cat.</th>
<th>Part</th>
<th>Shank Ball Ball Pintle Ea.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2048105</td>
<td>B15</td>
<td>11-1/2</td>
</tr>
<tr>
<td>2049106</td>
<td>B25</td>
<td>11-11/16</td>
</tr>
</tbody>
</table>

**Dimensions (in)**

<table>
<thead>
<tr>
<th>Cat.</th>
<th>Part</th>
<th>Shank Ball Ball Pintle Ea.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2076118</td>
<td>DPH1780</td>
<td>3-1/8</td>
</tr>
<tr>
<td>207719</td>
<td>DPH2000</td>
<td>3-1/8</td>
</tr>
<tr>
<td>2078120</td>
<td>DPH2516</td>
<td>3-1/8</td>
</tr>
<tr>
<td>2312223</td>
<td>DPH50mm</td>
<td>3-1/8</td>
</tr>
</tbody>
</table>

Patent 4434996 - Finish - Black/Chromed Ball

Packaged - Individually

All DP H balls are interchangeable.

All Max. Vertical Load - 3,000 lb.

DP H balls are not a standard ball! Please call for replacement balls!
**Load Securement**

## Hooks & Hitches/Flatbed Accessories

### Ball Hitches

#### 5/8" bolts

<table>
<thead>
<tr>
<th>Cat.</th>
<th>Part No.</th>
<th>Dimensions (in)</th>
<th>Gross Wt. (lbs)</th>
<th>Weldable</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007216</td>
<td>C81A</td>
<td>1-7/8</td>
<td>3/4</td>
<td>2-1/2</td>
</tr>
<tr>
<td>2007192</td>
<td>C83A</td>
<td>2</td>
<td>3/4</td>
<td>2-1/2</td>
</tr>
<tr>
<td>2007147</td>
<td>C85</td>
<td>2-1/4</td>
<td>1-1/2</td>
<td>1-1/8</td>
</tr>
</tbody>
</table>

#### 3/8" bolts

<table>
<thead>
<tr>
<th>Cat.</th>
<th>Part No.</th>
<th>Dimensions (in)</th>
<th>Gross Wt. (lbs)</th>
<th>Weldable</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007161</td>
<td>C81A</td>
<td>1-7/8</td>
<td>3/4</td>
<td>2-1/2</td>
</tr>
<tr>
<td>2007147</td>
<td>C83A</td>
<td>2</td>
<td>3/4</td>
<td>2-1/2</td>
</tr>
</tbody>
</table>

### High Strength Balls

<table>
<thead>
<tr>
<th>Cat.</th>
<th>Part No.</th>
<th>Dimensions (in)</th>
<th>Gross Wt. (lbs)</th>
<th>Weldable</th>
</tr>
</thead>
<tbody>
<tr>
<td>2031452</td>
<td>C81A</td>
<td>1-7/8</td>
<td>3/4</td>
<td>2-1/2</td>
</tr>
<tr>
<td>2031521</td>
<td>C83A</td>
<td>2</td>
<td>3/4</td>
<td>2-1/2</td>
</tr>
</tbody>
</table>

### Tow Hooks

#### Do Not Weld or Modify

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Part No.</th>
<th>Dimensions (in)</th>
<th>Gross Wt. (lbs)</th>
<th>Weldable</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007137</td>
<td>C12 B</td>
<td>1/2</td>
<td>1/2</td>
<td>1-1/2</td>
</tr>
<tr>
<td>2007147</td>
<td>C85</td>
<td>2</td>
<td>3/4</td>
<td>1-3/4</td>
</tr>
</tbody>
</table>

### Recessed Lashing Rings

Formed 1/8" steel pan encloses a forged ring.

### Truck Bed Tiedown Assemblies

3/8" Grade 70 Chain - Patent 3865048

1. When not in use, sets flush with truck floor bed.
2. Easy finger tip pull out.

Use 2-3/8" drill for hole through floor.

### Snapper Pins

Popular quick connect and disconnect pins.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Part No.</th>
<th>Rated Cap. (lbs)</th>
<th>Finish (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002419</td>
<td>D18</td>
<td>5</td>
<td>Zinc Plated</td>
</tr>
</tbody>
</table>

### Flatbed Accessories

#### Winch Bars

All winch bars feature a knurled non-slip handle, a tapered carbon steel nose piece for strength and easy operation. Combination bars have modified handles for use in tightening chain binders.

#### Corner Protectors

Corner protectors are designed to protect both strap and cargo. Plastic protectors feature a corner recess to protect the cargo edges. Rubber protectors conform to the load to evenly distribute corner loads. **NOTE:** Straps must be threaded through captive corner protectors.

#### Web Protectors

Tough, abrasion resistant bulked nylon protective sleeving available in 300' rolls. **Also Available:** CS20-012 - 12" cut length. FE101A-012 - 12" cut length.

### Web Protectors

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Webbing Size (in)</th>
<th>Color</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS10</td>
<td>1</td>
<td>Black</td>
<td>Std.</td>
</tr>
<tr>
<td>CS20</td>
<td>1-3/4 or 2</td>
<td>Black</td>
<td>Std.</td>
</tr>
<tr>
<td>FE101A</td>
<td>1-3/4 or 2</td>
<td>Olive Drab</td>
<td>Std.</td>
</tr>
<tr>
<td>CS30</td>
<td>3</td>
<td>Black</td>
<td>Std.</td>
</tr>
<tr>
<td>CS40</td>
<td>4</td>
<td>Black</td>
<td>Std.</td>
</tr>
</tbody>
</table>

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**Visit us online at www.hanessupply.com**
Load Securement

Flatbed Accessories/Straps

Floor Chain Tie-Down
Floor Chain Tie-Down is for use on steel frame flatbed trailers. It is a self-storing, convenient anchor point for securing loads and mounts flush with the trailer deck to prevent interference during loading or unloading.

• Standard Grade 43
  • WLL: 5,000 lbs.  • Weight: 3.2 lbs.
• Heavy Duty Grade 70
  • WLL: 6,000 lbs.  • Weight: 3.2 lbs.

Welding Requirements for 10421 & 10423
Minimum welding requirements are: 1/4" fillet weld, around entire contact surface and 1/8" penetration.

Tarp Ties
These durable ties hold tarps securely and provide constant tension. Reinforced ends give added life. Tarp ties come with S-Hooks attached and are packaged 50 per box.

Also Available: 2200 - Spare S Hooks, 100 per box

<table>
<thead>
<tr>
<th>Strap Part No.</th>
<th>Overall Length (in)</th>
<th>Installed Length (in)</th>
<th>Min. - Max. (in)</th>
<th>WLL Per. 50 Pcs. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON 36000</td>
<td>10</td>
<td>14</td>
<td>15 - 19</td>
<td>10</td>
</tr>
<tr>
<td>CON 36020</td>
<td>15</td>
<td>19</td>
<td>21 - 30</td>
<td>12</td>
</tr>
<tr>
<td>CON 36040</td>
<td>21</td>
<td>25</td>
<td>25 - 42</td>
<td>15</td>
</tr>
<tr>
<td>CON 36060</td>
<td>31</td>
<td>35</td>
<td>39 - 62</td>
<td>19</td>
</tr>
<tr>
<td>CON 36080</td>
<td>41</td>
<td>45</td>
<td>50 - 82</td>
<td>25</td>
</tr>
</tbody>
</table>

3" Ratchet Strap w/806 Long Handle and 3004 Webbing

<table>
<thead>
<tr>
<th>Strap Length</th>
<th>End Hardware</th>
<th>WLL</th>
<th>WLL</th>
</tr>
</thead>
<tbody>
<tr>
<td>27&quot;</td>
<td>1021-3 Flat Hook</td>
<td>5,000 lbs.</td>
<td>2,270 kgs.</td>
</tr>
<tr>
<td>30&quot;</td>
<td>3705-3 Chain Anchor</td>
<td>5,400 lbs.</td>
<td>2,450 kgs.</td>
</tr>
</tbody>
</table>

15,000 lb. Breaking Strength
16,200 lb. Breaking Strength

4" Ratchet Strap w/808 Long Handle and 4004 Webbing

<table>
<thead>
<tr>
<th>Strap Length</th>
<th>End Hardware</th>
<th>WLL</th>
<th>WLL</th>
</tr>
</thead>
<tbody>
<tr>
<td>27&quot;</td>
<td>1016 Chain Anchor</td>
<td>6,600 lbs.</td>
<td>2,990 kgs.</td>
</tr>
</tbody>
</table>

20,000 lb. Breaking Strength

Ratchet Strap with 800 Ratchet, Wire Hooks and D Rings
• Breaking Strength: 2,500 lbs./1135 kgs.  • WLL: 835 lbs./380 kgs.

711681/45 - 16'

Ratchet Strap with 800 Ratchet and Vinyl Coated S Hooks
• Breaking Strength: 1,200 lbs.  • WLL: 400 lbs.

710987 - 9'

Utility Strap with 605 Cam Buckle and Vinyl Coated S Hooks
• Breaking Strength: 1,200 lbs.  • WLL: 400 lbs.

750687 - 6'

Utility Strap with 605 Cam Buckle and Wire Hooks
• Breaking Strength: 1,200 lbs.  • WLL: 400 lbs.

751281 - 12'

Utility Strap with 810 Ratchet and Vinyl Coated S Hooks
• Breaking Strength: 1,200 lbs.  • WLL: 400 lbs.

760987 - 9'

Ratchet Strap with 804 Ratchet and Vinyl Coated S Hooks
• Breaking Strength: 2,500 lbs./1135 kgs.  • WLL: 835 lbs./380 kgs.

711681/45 - 16'

Ratchet Strap with 804 Ratchet and Vinyl Coated S Hooks
• Breaking Strength: 2,500 lbs./1135 kgs.  • WLL: 835 lbs./380 kgs.

711681/45 - 16'

Ratchet Strap All™ 1" Straps - We offer a full line of one-inch ratchet and utility straps. These versatile tie-downs can be used on pick-up trucks, car top racks, boat trailers or anywhere a light duty tie-down is needed.
Logistic Straps - Designed to take care of most interior van loading requirements. All straps have a 4’ fixed end as standard. Adjustable ends are sewn captivated.

2” Logistic Straps w/811 Ratchet Buckle and 4900 Webbing

<table>
<thead>
<tr>
<th>Strap Length (ft)</th>
<th>End Hardware</th>
<th>Assy. Breaking Strength</th>
<th>WLL</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Series E, A</td>
<td>3,000 lbs. 1360 kgs.</td>
<td>1,000 lbs. 455 kgs.</td>
</tr>
<tr>
<td>16</td>
<td>Spring Fitting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Series E, A</td>
<td>3,000 lbs. 1360 kgs.</td>
<td>1,000 lbs. 455 kgs.</td>
</tr>
<tr>
<td>16</td>
<td>3-Piece Fitting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Series F</td>
<td>1,250 lbs. 570 kgs.</td>
<td>420 lbs. 195 kgs.</td>
</tr>
<tr>
<td>16</td>
<td>1361 Butterfly Fitting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Series F</td>
<td>2,200 lbs. 1000 kgs.</td>
<td>735 kgs. 335 kgs.</td>
</tr>
<tr>
<td>16</td>
<td>FE8427-1 Plate Trailer Hook</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Aluminum Series A Track Horizontal
• Material: Aluminum
• Min. Yield: 35,000 psi.
• Finish: Natural

Load Securement

BARS

Series F & SAF-T-Lok Bars - Saf-T-Lok bars are designed for economy and ease of operation. These bars are offered in galvanized steel tubing and feature a steel rack, a heavy duty steel handle and a cast aluminum painted housing. Molded rubber fixed feet are welded to both ends of the steel tubing and grip firmly to trailer walls, yet won’t scuff and will remain pliable even at low temperatures. The handle and trigger release are easy to operate even with gloved hands.

Steel Tube w/Welded Foot Saf-T-Lok Bar
10082 • Adjusts from: 89” to 105” • Weight: 11.8 lbs.

Steel Tube w/Pivoting Foot Saf-T-Lok Bar
10085 • Adjusts from: 89” to 105” • Weight: 11.8 lbs.

Aluminum Tube w/Pivoting Foot Saf-T-Lok Bars
10088 • Adjusts from: 89” to 105” • Weight: 8.3 lbs.

Jack Bars

Round Galvanized One-Piece Jack Bars
The JB 102 jack bars are constructed of round galvanized steel tubing.

JB102 – Adjusts from: 86” to 104” • Weight: 12.3 lbs.

Square Galvanized One-Piece Jack Bars
The JB 103 square jack bars are constructed of heavy wall galvanized steel tubing for increased strength and durability.

JB103 – Adjusts from: 86” to 104” • Weight: 15.9 lbs.

NOTE: Cargo bars do not have load ratings due to varying conditions of trailer sidewalls. Cargo hoop set available for use with all jack bars.

Straps/Tracks/Bars

Series E Track Horizontal
• Material: High strength steel; 12 gauge
• Min. Yield: 50,000 psi.
• Finish: Paint
• Weight: 16.6 lbs.
• Length: 10 ft.

Series E Track Vertical
• Material: High strength steel; 11 gauge
• Min. Yield: 50,000 psi.
• Finish: Paint
• Weight: 14.2 lbs
• Length: 10 ft.

Heavy Duty Series A Track Horizontal
• Material: High strength steel; 11 gauge
• Min. Yield: 50,000 psi.
• Finish: Paint
• Weight: 21.1 lbs
• Length: 10 ft.
CARGO NETS:
Cargo Nets are made to each customer’s exacting specifications and provide durable and reliable load securement or separation for flatbed, interior van trailer and a variety of other cargo restraint applications; therefore, no “standard” configurations shall be inventoried.
Every cargo net is manufactured consistently and efficiently to ensure optimum quality and customer satisfaction.

2" Wide Handle Ratchet Buckle
- Breaking Strength: 11,000 lbs. • Weight: 2.46 lbs.
- Working Load Limit: 3,670 lbs.

3" Long Handle Ratchet Buckle
- Breaking Strength: 17,000 lbs. • Weight: 7.05 lbs.
- Working Load Limit: 5,670 lbs.

4" Long Handle Ratchet Buckle
- Breaking Strength: 24,000 lbs. • Weight: 7.94 lbs.
- Working Load Limit: 8,000 lbs.

1" Cam Buckle
- Breaking Strength: 2,500 lbs. • Weight: 0.44 lbs.
- Working Load Limit: 835 lbs.
- Webbing: 30100 or FE174

1" Flat Hook
- Breaking Strength: 700 lbs. • Weight: 0.04 lbs.

2" Flat Hook
- Breaking Strength: 5,500 lbs. • Weight: 0.44 lbs.
- Working Load Limit: 1,835 lbs.

2" Flat Hook
- Breaking Strength: 10,000 lbs. • Weight: 0.73 lbs.
- Working Load Limit: 3,335 lbs.

Common Hardware Options for Cargo Nets
- 811 Ratchet Buckle
- 910 Cam Buckle
- FE8306-1 Series E/A Spring Loaded Fitting
- FE7900-1 2" Snap Hook
- 1007 2" Narrow Hook
- FE8427-1 Plate Trailer Hook
- 1027 2" D-Ring
- 34035-37 1-3/4" Round Ring

Cargo Nets/ Hardware

Ratchet Buckles - Hanes Supply offers a complete line of ratchet buckles to handle all types of tie-down applications. All buckles are designed for strength, durability and ease of operation. Ratchet buckles are available for webbing widths 1" to 4" with various handle configurations to satisfy user preferences.
Operating Instructions: To tension: Pull webbing through reel bars to eliminate slack. Operate handle back and forth until webbing is properly tensioned. Reel bars must have at least two wraps of webbing to ensure no slippage. Wrench drive models require the use of a socket or wrench.
To release: Pull handle pawl back and rotate handle over center to full open position.

1" Wide Handle Ratchet Buckle
- Breaking Strength: 3,300 lbs. • Weight: 0.77 lbs.
- Working Load Limit: 1,100 lbs.

2" Standard Handle Ratchet Buckle
- Breaking Strength: 11,000 lbs. • Weight: 2.34 lbs.
- Working Load Limit: 3,670 lbs.

Cargo Nets are made to each customer’s exacting specifications and provide durable and reliable load securement or separation for flatbed, interior van trailer and a variety of other cargo restraint applications; therefore, no “standard” configurations shall be inventoried.
Every cargo net is manufactured consistently and efficiently to ensure optimum quality and customer satisfaction.

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- 910 Cam Buckle
- FE8306-1 Series E/A Spring Loaded Fitting
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Operating Instructions: To tension: Pull webbing through reel bars to eliminate slack. Operate handle back and forth until webbing is properly tensioned. Reel bars must have at least two wraps of webbing to ensure no slippage. Wrench drive models require the use of a socket or wrench.
To release: Pull handle pawl back and rotate handle over center to full open position.
### Hardware/Wire Hooks & Chain Attachments

#### 4" Flat Hook
- Breaking Strength: 15,000 lbs.
- Weight: 1.06 lbs.
- Working Load Limit: 5,000 lbs.

#### 1" Snap Hook
- Breaking Strength: 5,500 lbs.
- Weight: 0.20 lbs.
- Working Load Limit: 1,835 lbs.

#### 2" Snap Hook
- Breaking Strength: 6,000 lbs.
- Weight: 0.41 lbs.
- Working Load Limit: 2,000 lbs.

#### 2" Snap Hook
- Breaking Strength: 10,000 lbs.
- Weight: 0.61 lbs.
- Working Load Limit: 3,335 lbs.

#### 2" Twisted Snap Hook
- Breaking Strength: 10,000 lbs.
- Weight: 0.61 lbs.
- Working Load Limit: 3,335 lbs.

#### WIRE HOOKS & CHAIN ATTACHMENTS:

#### 1" Vinyl Coated S Hook
- Breaking Strength: 1,200 lbs.
- Weight: 0.30 lbs.
- Working Load Limit: 400 lbs.

#### 1" Vinyl Coated S Hook
- Breaking Strength: 500 lbs.
- Weight: 0.14 lbs.
- Working Load Limit: 170 lbs.

#### 1" Narrow Hook
- Breaking Strength: 2,500 lbs.
- Weight: 0.11 lbs.
- Working Load Limit: 835 lbs.

#### 1" Hook and Keeper
- Breaking Strength: 9,000 lbs.
- Weight: 0.25 lbs.
- Working Load Limit: 3,000 lbs.

#### 2" Narrow Hook
- Breaking Strength: 10,000 lbs.
- Weight: 0.58 lbs.
- Working Load Limit: 3,335 lbs.

#### 2" Narrow Hook
- Breaking Strength: 5,000 lbs.
- Weight: 0.37 lbs.
- Working Load Limit: 1,670 lbs.

#### 3" Narrow Hook
- Breaking Strength: 22,000 lbs.
- Weight: 1.39 lbs.
- Working Load Limit: 7,333 lbs.

#### 3/8" Grab Hook Assembly
- Breaking Strength: 16,200 lbs.
- Weight: 1.22 lbs.
- Working Load Limit: 5,400 lbs.

#### 18" Chain Anchor
- Breaking Strength: 16,200 lbs.
- Weight: 2.89 lbs.
- Working Load Limit: 5,400 lbs.
### Load Securement

**Wire Hooks & Chain Attachments/Specialty Hardware**

#### Cluster Hook RTJ
- Breaking Strength: 11,600 lbs.
- Weight: 2.23 lbs.
- Working Load Limit: 3,900 lbs.
- R-Hook (GM & Chrysler), T-Hook (Ford), J-Hook (Import)

#### 1" D-Ring
- Breaking Strength: 5,000 lbs.
- Weight: 0.07 lbs.
- Working Load Limit: 1,670 lbs.

#### 2" Flat Delta Ring
- Breaking Strength: 10,000 lbs.
- Weight: 0.29 lbs.
- Working Load Limit: 3,335 lbs.

#### 4" Delta Ring
- Breaking Strength: 20,000 lbs.
- Weight: 1.36 lbs.
- Working Load Limit: 6,670 lbs.

#### Logistic Track Fittings

**Series E/A Spring Loaded Fitting**
- Breaking Strength: 4,500 lbs.
- Weight: 0.21 lbs.
- Working Load Limit: 1,500 lbs.

#### SPECIALTY HARDWARE

**Black Pan Fitting with Ring & Stud**
- 0° Ring Vertical Breaking Strength: 3,000 lbs./1360 kgs.
- 45° Ring Pull Angle Breaking Strength: 2,500 lbs./1135 kgs.
- 0° Stud Vertical Breaking Strength: 5,000 lbs./2270 kgs.
- 45° Stud Pull Angle Breaking Strength: 2,000 lbs./910 kgs.
- Weight: .32 lbs.