LOAD BINDER WARNINGS AND APPLICATION INSTRUCTIONS

**WARNING**

- Failure to use this load binder properly may result in your serious injury or even death.
- 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.
- 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.
- Do not throw these instructions away. Keep them close at hand and share them with any others who use this load binder.

**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.

- The Crosby Group, Inc. specifically recommends 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 chain, or tie handle to chain with soft wire.

- When releasing load binder, remember there is a great deal of energy in the stretched chain. This will cause the load binder handle to move very quickly with great force when it is unlatched. Move handle with caution. It may whip – Keep body clear.

- Never use a cheater pipe or handle extender to release handle. Use a steel bar and pry under the handle and stay out of the path of handle as it moves upward.

- If you release the handle by hand, use an open hand under the handle and push upward. Do not close your hand around the handle. Always keep yourself out of the path of the moving handle.

**Instructions – Ratchet Load Binders**

- Position ratchet binder so it can be operated from the ground.

- Make sure your footing is secure.

**Mechanical Advantage**

**Lever Type Binder** = \( \frac{25}{1} \)

**Ratchet Type Binder** = \( \frac{50}{1} \)

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

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

**Maintenance of All Load Binders**

- Routinely check load binders for wear, bending, cracks, nicks, or gouges. If bending or cracks are present – Do not use load binder.

- Routinely lubricate pivot and swivel points of Lever Binders, and pawl part and screw threads of Ratchet Binders to extend product life and reduce friction wear.
STANDARD LEVER TYPE LOAD BINDER

Meet or exceeds DOT and CVSA Cargo Securement Guidelines, August 1993.

A. NOTE: Extra heavy construction at leverage point to prevent spreading. Heel of binder toggles away from load, permitting easy release.

B. Ball and socket swivel joints at hook assemblies permit a straight line pull.

SEE APPLICATION AND WARNING INFORMATION

- Forged Steel — Quenched and Tempered.
- Binder toggles away from the load.

<table>
<thead>
<tr>
<th>Model</th>
<th>Stock No.</th>
<th>Std. Pkg.</th>
<th>Min-Max Chain Size (in.)</th>
<th>Working Load Limit (lbs.)</th>
<th>Proof Load (lbs.)</th>
<th>Weight Each (lbs.)</th>
<th>Handle Length (in.)</th>
<th>Take Up (in.)</th>
<th>Dimensions (in.)</th>
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Ultimate load is 3 times the Working Load Limit.
STANDARD RATCHET TYPE LOAD BINDER

- 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.
- All load bearing or holding parts forged.
- Easy operating positive ratchet.

<table>
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<tr>
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R-10 BINDER LESS LINKS AND HOOKS

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Dimensions (in.)

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