



Thank you for purchasing a Snap-Loc Cargo Control System product!

# Snaplocs System Manual

## Limitations

Do not over tighten straps; this may cause damage to strap, cargo, anchor point and Snaplocs. At no time should any one Snaploc anchor (a.k.a. Loc-Down anchor) be subject to supporting more than 3000 pounds (1,361 kg.) of straight pull or 1,000 pounds (454 kg.) working load. Though Snaplocs can be used almost anywhere, it is your responsibility to determine suitability of this product for any particular use. This product is only as strong as stated when what you anchor them to is as equally strong. Like with all metal products, Snaplocs are subject to damage by elements of weather and may display surface rust at connection points. Surface rust is not covered under warranty. Snap-Loc products should be regularly inspected and replaced if worn, damaged or rust has penetrated deeper than the initial surface of the product. Minor surface rust is expected with use. Continuous exposure to ultra-violet light, extreme cold or extreme heat can degrade the strength of straps. Storage of straps should be in a dry place not susceptible to elements of weather. Do not exceed weight limits as shown on straps. If weight of cargo exceeds "Working Load Limits" use additional straps with additional Snaplocs. Always keep in mind that "Dynamic G-Forces" will compromise weight limits such as quickly reducing the speed at which the cargo is traveling and wind resistance. "Breaking Strength" is the minimum load a component or assembly will withstand before failure; "Working Load Limit" is the maximum load a component or assembly should be subjected to during routine use; do not exceed one-third (1/3) of the "Breaking Strength Capacity". A "Rated Load Capacity" is

established and regulated by industry or legislative standards and may vary but is typically based on the application of a straight pull. All ratings are based on the product being new and with usage in average environmental conditions. For any particular use, check with applicable industry, trade association, federal, state and/or local regulations. Always read and follow all installation and usage instructions carefully. Do not expose straps to sharp edges, acids, chemicals or items that may cause damage to fabric. Products are subject to age, wear and deterioration which can cause a reduction in the products breaking strength. We recommend that all products and anchoring points be inspected before and during every use. Any damaged or worn products should not be used and should be replaced. We recommend that straps be used at the same angle as Snaploc anchors. If straps are bunched up and angle away from the Snaploc anchor, the longevity, working load capacity and safety may be significantly reduced. Always make sure nothing is close to or touching the E-Fitting release lever when in use as this may cause it to release. After strapping cargo, always secure leftover unused strap. When traveling, we recommend periodically checking straps, cargo and anchor points to insure they are safely secure. If secured cargo has sharp edges or is subject to omitting heat or chemicals it may cause failure of straps. Keep in mind that some parts of this product may scratch or cause damage to cargo and vehicle if not properly protected and secured. If there are any further questions contact your local Snap-Loc dealer or one of our customer service representatives.

## Installation of Snaplocs

**Choosing the location for a Snaploc:** Great care should be taken when installing this product to ensure the connection between your Snaploc anchors and the vehicle or item you are connecting them to be safe and secure. This products strength may be significantly reduced if the strength of the anchoring point you choose does not meet or exceed the strength this product is rated at. We do not recommend mounting locations subject to conditions that are submerged in water or areas of extreme weather or extreme road conditions. Larger backing washers, backing plates and/or welding may be necessary. Always inspect mounting hardware for corrosion especially if using in areas of ice, snow and salt water.

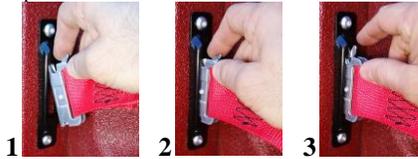
**Choosing a Fastening Method:** The hardware available from Snap-Loc is recommend and will work well in most applications. If you choose to use other types of fasteners such as self-tapping screws or others, make sure each fastener has a minimum break rating of 5,000 pounds (2,268 kg.) and far exceeds the break strength of the surface you are mounting to. (Using fasteners that are not from Snap-Loc will void the warranty and forfeit all claims). Always use eye protection when installing this product. Snaplocs are well suited for both bolt-on and weld-on applications (We strongly recommend that only an experienced certified welder perform any welded applications). Always remember the "Dynamic G-Forces" and wind resistance factors placed on a load when choosing an installation location. We recommend larger washers or backing plates be used in any application where the substrate material is thin or weaker than the Snaplocs rating. Snaplocs can be bolted in place by means of a properly threaded hole (for 5/16-18 screws use a G size drill & tap) in thick solid metals (recommend minimum 1/4 inch). Be sure to use the appropriate size drill bit and tap for the bolt you choose. **Figure 1;** Place the Snaploc in the position you choose and mark the center of the holes carefully. We suggest using a transfer/center punch of appropriate diameter to ensure a perfect hole position. If securing your Snaploc with a nut and bolt combination, we suggest drilling the hole 1/16" larger than the size of the bolt allowing for minor adjustment (never exceed the width of the nut). **Figure 2;** Drill first hole. **Figure 3;** Insert recommended screw/bolt into the Snaploc as shown through surface of what you are fastening to. **Figure 4;** Place backer washer over screw as shown. Always put the Washer between the mounting surface and the Nut. **Figure 5-6;** Put nut on screw and securely tighten being careful not to over-tighten or strip threads. **Figure 7-8;** Shows a Snaploc securely fastened. We suggest routinely checking the tightness of all fastening hardware after periods of use.

When drilling into wood framing first make sure there are no pipe, electrical or other obstructions in the way. **Figure 9;** We recommend using our minimum sized lag screw 5/16"x3". Drill first hole using a drill bit smaller than the screw being used (1/8"-5/32" drill bit for a the Snap-Loc 5/16 Lag Screw) and drill approximately 3 inches into the surface. Place the Snaploc in the position you choose and mark the center of the holes carefully. Drill first hole. **Figure 10-11;** Insert Lag Screw and fully tighten in place making sure not to strip out the threads of wood framing. Repeat for second screw. When welding Snaplocs, to achieve weight rating, welds must run 2 inches in length at right and left tabs, not just at the outer edges. If you have any questions please contact Snap-Loc Cargo Control Systems or the store of purchase immediately and speak with one of the installation technicians before continuing your installation. Any failure of connection is entirely the responsibility of the owner/installer of this product. Snap-Loc Cargo Control Systems and store of purchase will not be held liable for damage, injury or death related to such failure.



## How to Use:

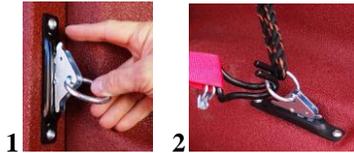
**E-Fitting and Snaplocs:** *Figure 1;* When installing the E-Fitting strap end into a Snaploc simply pull back on the lever and insert shown end into Snaploc. *Figure 2;* Insert rest of fitting fully into the Snaploc. *Figure 3;* Release lever and click securely in place. Make sure the E-Fitting strap end is as shown in *Figure 3* fully secured in its place before use. Always make sure nothing is close to or touching the E-Fitting release lever when in use as this may cause strap to release.



**Cam E-Strap:** *Figure 1;* When using the Cam Buckle strap, feed strap through cam buckle as instructed on side of cam. *Figure 2;* Connect both ends of strap securely to Snaplocs. *Figure 3;* Pull on end of strap until strap is securely tightened. *Figure 4;* To loosen strap push down on lever end of cam buckle and loosen as needed. Always make sure nothing is close to or touching the E-Fitting release lever when in use as this may cause strap to release. *Figure 5;* If your strap has a hook & loop fastener use it for fastening excess end of strap and for storage.



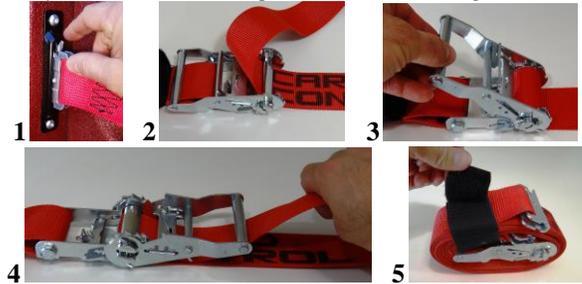
**Ring:** *Figure 1;* When securing the Ring to a Snaploc follow the same instructions used for the E-Fitting and Snaplocs as listed herein. *Figure 2;* The Ring attachment is useful for fastening ropes, hooks and other items.



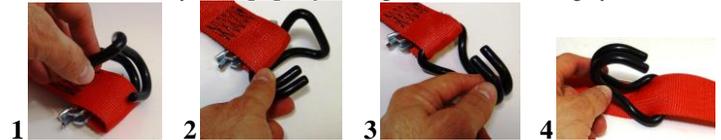
**Link:** *Figure 1-2;* The Link strap coupling connects two or more E-Straps together. Follow the same instructions used for the E-Fitting and Snaplocs as listed herein. This attachment is useful for extending the length of any E-Strap to fit around larger cargo



**Ratchet E-Strap:** *Figure 1;* Connect both ends of strap securely to Snaplocs. *Figure 2;* Feed end of strap through ratchet receiver as shown and pull through ratchet until almost snug on your cargo. *Figure 3;* Begin moving ratchet handle up and down until cargo is secure and there is a minimum of two revolutions of strap wrapped around the center pivot. Be sure not to over-tighten strap as this may cause damage to connection points or cargo. *Figure 4;* To release, pull back on the ratchets release lever and open handle 180 degrees and pull on strap until loose. *Figure 5;* If your strap has a hook & loop fastener use it for fastening excess end of strap and for storage. Depending on amount of use and weathering, mechanisms may become restricted. A very small amount of lubrication may be applied only on the mechanical metal parts at the location causing the restriction.



**Hook:** When installing the removable Hook on your straps, there are two options; *Figure 1-2-3;* For the Fixed Method slip the Hook into the E-Fitting loop at end of strap. *Figure 4;* For the Adjustable Method slip the hook over the strap at any location until fully in place. The Hook can also be put on the strap in a forward or reverse position. Hooks can be used to secure cargo with or without using the E-Fitting or Snaplocs. The bonded protective coating on the hook is subject to scratching and rubbing off with use and is not covered under warranty. Damaging vinyl coating will not affect the integrity of the hook.



### Other great Snap-Loc products "The Snap-Loc Cargo Dolly System"...



## Warranty

All Snaplocs (a.k.a. Loc-Downs), Straps and system Accessories are warranted to be free from defects in material and workmanship for a period of 90 days (warranty period) from date of purchase, or if you placed a special order with us from date of receipt of product. Some items may have up to a 1 year warranty depending on store of purchase (check with Snap-Loc or store of purchase). During the warranty period Snap-Loc will, at its option, repair or replace without charge any part of our product found to be defective in material or workmanship (shipping cost may be subject to charge). This warranty does not extend to any product which has been subject to misuse, abuse, negligence, accident, alteration, improper installation, over tightening, superseding recommended weight limits, scratches, discoloring, or unauthorized repair. If product becomes structurally damaged immediately discontinue use. In no way will Snap-Loc Cargo Control Systems, LLC (Snap-Loc) be liable for special, direct, indirect or consequential damages, loss of vehicle, cargo, profits, personal injury, death or the like for any reason. Please contact our

customer service department or the store of purchase for more details. The literature included with this product has been written for your safety. If you do not accept the terms and conditions herein do not use this product and return it within 7 days after purchase. By keeping this product you are agreeing to these terms and conditions. If returning products, return them to the store of purchase within the warranty period. No returns will be accepted after the warranty period unless special provisions have been made with the store of purchase (see store of purchase for further details). If you purchased your product directly from Snap-Loc please contact the Snap-Loc Customer Service Department for a Return Merchandise Authorization (RMA) number and return shipping instructions. Products returned to Snap-Loc without an RMA number will not be accepted. After receipt of an RMA number, the defective product must be returned to Snap-Loc within 30 days of the RMA approval of it will result in loss of refund or replacement.

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