

# LADDER RACK TIE-DOWN SYSTEM INSTALLATION & OPERATING INSTRUCTIONS

## INSTALLATION INSTRUCTIONS:

Recommended Equipment: Safety glasses, face shield, drill, drill bits (1/8" – 7/16") center punch, 5/8" wrench, 5/8" socket, ratchet wrench, silicone caulk, gloves, marker.

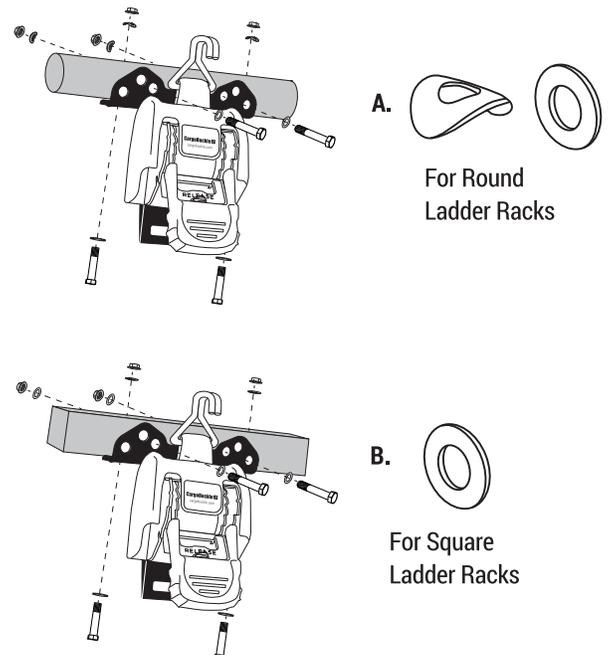
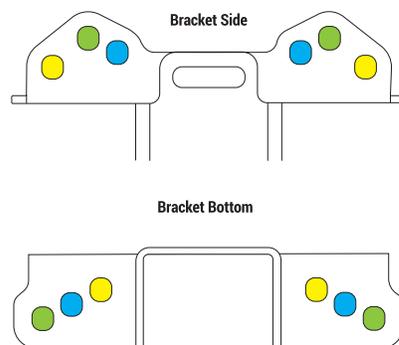
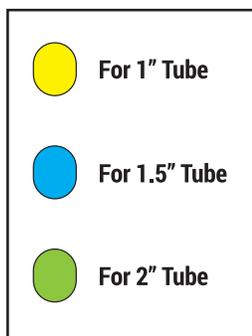
1. Position CargoBuckle Ladder Rack system on horizontal ladder rack rail. Fit bracket tightly to ladder rack rail, in desired position, leaving no space between rail and bracket. Mark the holes with a marker, then use a center punch to help guide the drill bit.
2. Drill pilot holes using a 1/8 inch drill bit in marked locations. Use caution when drilling holes. Wear appropriate safety equipment.
3. Increase the drill bit size incrementally from the 1/8 inch pilot hole to the final 7/16 inch. Use caution when drilling holes. Using bolt and lock nut provided, attach CargoBuckle Ladder Rack system to ladder rack frame. Be sure to use the appropriate washer for the ladder rack type. Curved and flat washers (**Fig. A**) should be used with round ladder racks. The flat washers should ALWAYS be flush against the mounting bracket and curved washers always go against the round tube of ladder rack. Flat washers (**Fig. B**) should be used with square ladder racks. Tighten hardware to 23 ft-lbs. torque.

## OPTIONAL

Prior to installation and after drilling holes, apply silicone caulk to help seal the holes from water intrusion.

## NOTE

Both sides of the retractor spool may be lubricated as needed. Do NOT use WD-40.



### OPERATING INSTRUCTIONS:

**IMPORTANT:** Do not over tighten. Over tightening can damage ratchet mechanism, causing cargo to become unsecured.

#### TO SECURE LADDER

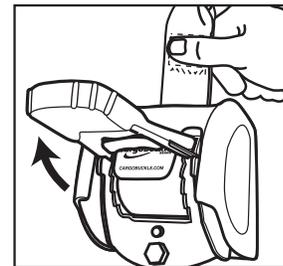
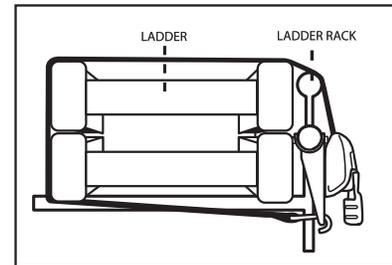
While squeezing release lever, raise handle all the way to the top position. Extract web by pulling out double J-hook. Pull out enough webbing to travel over ladder and rack. Secure hook to hole in bottom of bracket.

#### TO TIGHTEN

Raise and lower ratchet handle, Tighten the ratchet until web is snug. Do not over tighten.

#### TO RELEASE

While squeezing release lever, raise handle all the way to the top position. Unfasten hook from hole in bracket and allow web to retract.



### CARGOBUCKLE: CAUTIONS AND LIMITED WARRANTY

- Before drilling mounting hole, contact your manufacturer to ensure safe and proper mounting location. (Note: Use caution when determining the object and location to mount the CargoBuckle, as the break strength of the system may be lessened by the object on which it's mounted.)
- When ratcheting handle, do not over tighten. Over tightening web could exert too much leverage, potentially damaging the mounting point. Use only the buckle for tightening. If an extra lever is used, damage to the load, tie-down and possible injury to the user may result.
- Be sure to return handle to the seated and locked position after tightening strap. Pull on web to ensure strap is tight and locked.
- Check tightness of the strap after driving a short distance (not to exceed three miles) and tighten if necessary. Often a load will settle after it is in motion, which will permit slack to develop on the tie-down. Check anchor points and tightness of strap every 20-30 miles and adjust as required.
- Care must be taken to keep web from coming in contact with sharp or abrasive edges that could cut or wear web.
- Periodic inspection of this tie-down must be made to ensure that the hardware is not damaged or the webbing cut or frayed. If such a condition exists, replace the tie-down at once.
- When this tie-down is not in use, it should be stored in a cool, dry place away from direct sunlight.
- This tie-down should only be used for its intended purpose. Any other use can be dangerous.
- Safe working load is 1/3 of the product's break strength. Do not exceed safe working load for this tie-down.

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