

Caliber® Power-Clamp

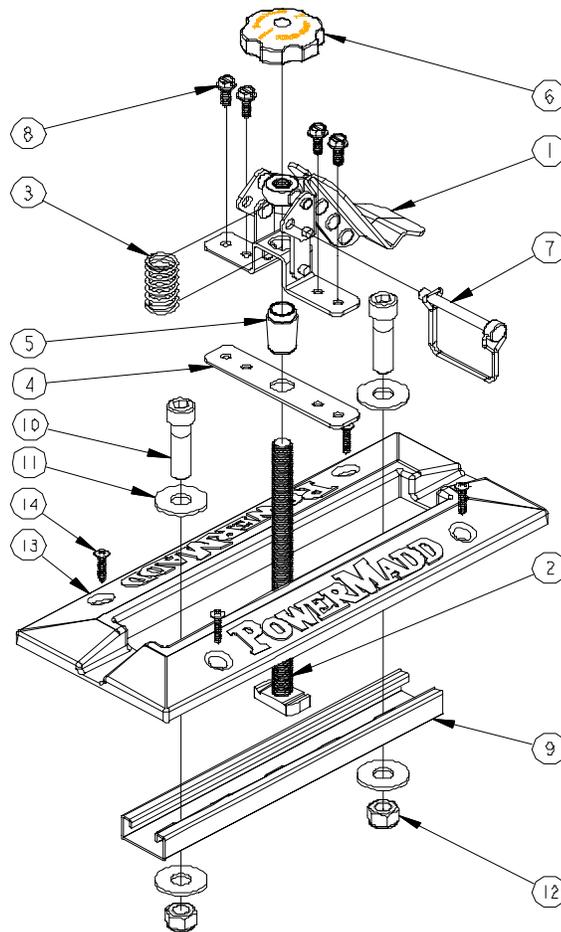
Mounting Instructions for: Part #16305

TOOLS REQUIRED:

Powered drill
Phillips bit for power drill
7/32" Drill bit
3/8" Wrench
3/8" Allen wrench
3/4" Wrench

HARDWARE INCLUDED:

| Item | Qty | Description |
|------|-----|---------------|
| 1 | 1 | Clamp linkage |
| 2 | 1 | Lockdown rod |
| 3 | 1 | Spring |
| 4 | 1 | Plate |
| 5 | 1 | Bushing |
| 6 | 1 | Knob |
| 7 | 1 | Lynch pin |
| 8 | 4 | Screw |
| 9 | 1 | Channel |
| 10 | 2 | Cap screw |
| 11 | 4 | Flat washer |
| 12 | 2 | Lock nut |
| 13 | 1 | Pad |
| 14 | 4 | Screw |



SCALE: 0.313 TYPE: ASSEM NAME: PM16305 SIZE: A

- Step 1:** Place the plate (item 4) on the topside of your tie down bar, aligning the large hole in the plate with the hole in the center of the tie down bar. The longest side of the plate should be parallel to the length of the bar, so the four smaller holes in the plate are located on the tie down bar.
- Step 2:** Mark the location of the four small holes from the plate (item 4) onto your tie down bar. Drill with a 7/32" bit through the topside only, at the four marks.
- Step 3:** **Refer to Illustration:** Insert the lockdown rod (item 2) through from the bottom side of your tie down bar. Place the plate (item 4) and the bushing (item 5) through the lockdown rod onto the topside of the bar. Insert the spring (item 3) into the clamp linkage (item 1) and thread the clamp linkage onto the lockdown rod until the rod is through the top of the clamp a couple of inches.
- Step 4:** Thread the knob (item 6) onto the rod sticking out of the top of the clamp linkage. The knob will be securely tightened in a later step.
- Step 5:** Line up the four holes drilled in your tie down bar with the four holes in the plate (item 4) and the four holes in the clamp linkage (item 1). Insert the self-tapping screws (item 8) with the 3/8" wrench and tighten the clamp down to your bar.

CALIBER®

952-985-9999

www.caliberproductsinc.com

CI0016

- Step 6:** **Refer to Illustration:** Line up the slots in the channel (item 9) with two existing ½” threaded holes in your trailer. Attach the channel to your trailer with cap screws (item 10), using a flat washer (item 11) on top of the channel. Use another flat washer underneath your trailer and assemble the lock nut. Tighten the lock nut and cap screw using the ¾” wrench and 3/8” Allen wrench.
- NOTE:** If you do not have two ½” threaded holes to attach the channel (item 9) with, you will have to drill your own holes to mount the channel. When doing this, be sure both cap screws will be mounted through a metal cross brace underneath your trailer. If not, you must fabricate a metal plate for the underside of your trailer. Mounting the channel to the plywood alone will not be strong enough to keep your snowmobile securely on the trailer.
- Step 7:** With the channel completely fastened to the trailer, place the pad (item 13) on the trailer so it surrounds the channel. Using the 4 Phillips head screws attach the pad to the trailer deck using the power drill with a Phillips bit. **CAUTION:** Check for any wires or objects the screws may come in contact with under your trailer and be sure enough clearance.
- Step 8:** With the snowmobile on your trailer in the desired position, place the tie down bar on top of your skis. With one hand, lift up on the **CALIBER** Power-Clamp handle. With the other hand push down on the knob and give a ¼ turn clockwise to insert the rectangle end of the lockdown rod into the channel. Push down on the handle to clamp the snowmobile to the trailer.
- Step 9:** **To adjust clamping pressure:** With the clamp detached from your trailer, turn the knob clockwise for less pressure and turn the knob counterclockwise for more pressure. Then try again to clamp your snowmobile to the trailer. Repeat this step until a desired pressure is achieved.
- Step 10:** With the snowmobile clamped down, remove the knob, add a drop of loctite and reassemble the knob. **HELPFUL HINT:** If the knob interferes with the bottom of your snowmobile, you can shorten the lockdown rod. Remove the knob and cut the rod to a desired length, then reassemble the knob. By leaving the rod at its full length you are able to adjust for multiple ski heights.
- Step 11:** With your snowmobile clamped to the trailer, assemble the lynch pin (item 7) through the clamp. A paddle lock can be used instead of the lynch pin. **WARNING:** A lynch pin or a paddle lock must be used while transporting your snowmobile on the trailer using the **CALIBER** Power-Clamp.



WARNING: Snowmobile may require additional tie down support to provide safe transport is not liable for damage or injury caused by improper mounting or use of the **CALIBER** Power-Clamp.

LIFETIME LIMITED WARRANTY

CALIBER warrants this product to be free from defects in material and workmanship, and may elect to repair or replace this product. This warranty does not cover any labor costs to remove or reinstall this product.

CALIBER[®]

952-985-9999

www.caliberproductsinc.com

CI0016