



## **Caged Roof Hatch Grab Bar**

### **Optional Self Closing Adjustable Safety Gate**



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[www.ladderport.com](http://www.ladderport.com)  
\*Patent Pending

# Hardware



- 2- 3/8-24 Zinc plated Ball Joints
- 2- 3/8-24 SS Jam nuts for Ball Joints
- 2- 3/8-16 SS 2 1/2 inch Hex Head cap Screws
- 2- 3/8-16 SS nylon lock nuts
- 1- 9/32 Drill
- 8- 5/16 Self-taping bolts
- 2- Rubber bump stops (May be factory installed)
- 4- Powder coated Spacers
- Extra Parts May Be Included

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# Installation Instructions for LadderPort™ Caged Roof Hatch Grab Bar Self Closing Adjustable Gate

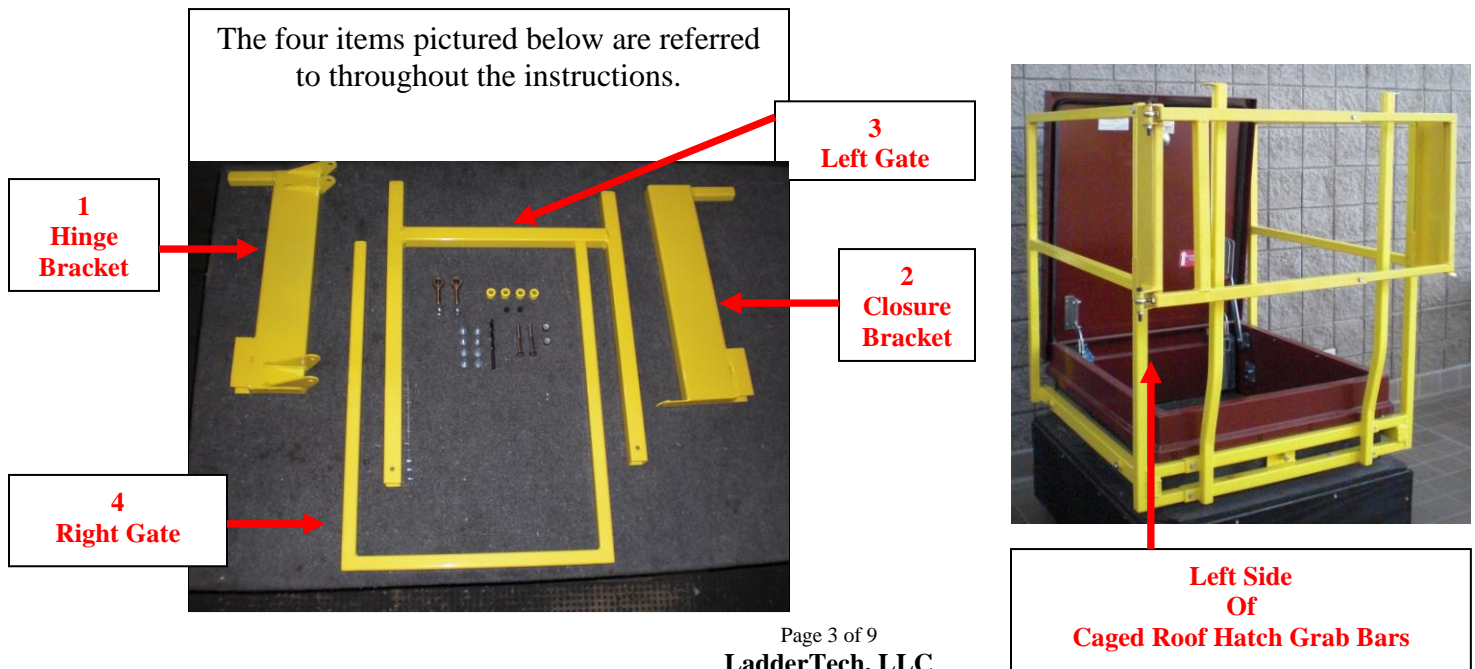
**ALWAYS FOLLOW OSHA SAFETY RULES, INCLUDING BUT NOT LIMITED TO, PROPER TIE-OFFS, FALL PROTECTION, SAFETY GLASSES, ETC.  
READ ALL INSTRUCTIONS PRIOR TO INSTALLATION**

**Left or Left Side:** Always refers to left side of cage when looking at cage from roof as if you were on outside of roof hatch looking to inside of roof hatch.

**Right or Right Side:** Always refers to right side of cage from roof top looking into roof hatch.

**CRHGB:** Caged Roof Hatch Grab Bar

**Note: Gate only opens from Right to Left when facing the roof hatch. You must mount opening hinges on LEFT Side of Cage. Do NOT attempt to install upside down or on right side of cage as gate will not function properly.**



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1. Remove Black Plastic Caps from top left and right rails on CRHGB.
2. Using the Left Hinge Bracket (1) slide the 1” square tube into the open square hole on Caged Roof Hatch Grab Bar system. Push the tube all the way in, making sure bottom “U” channel fits around the cage rails also. (Note: Some force may be necessary as these parts fit tightly.)
3. Once Left Hinge Bracket (1) is in place, using guide holes and included 9/32 drill, drill through first layer of rail and 1<sup>st</sup> layer of inserted piece only. (Do NOT drill all the way through both sides of top rail.) Insert included self tapping 5/16 hex bolt in hole.(Press hard when starting first few threads) Note: Make sure bottom and top fit snugly against CRHGB rails. See Figure 1



4. After the top of the Left Hinge Bracket (1) is mounted securely, make sure the U Channel on bottom of the Left Side Plate is snug against CRHGB. Using the Left Side Plate holes as a guide and the 9/32 drill, drill through outside of the CRHGB. Insert 5/16 self tapping bolts. (Do not drill through both sides.) Repeat these steps for the hole located on inside of CRGHB. Figures 2 & 3

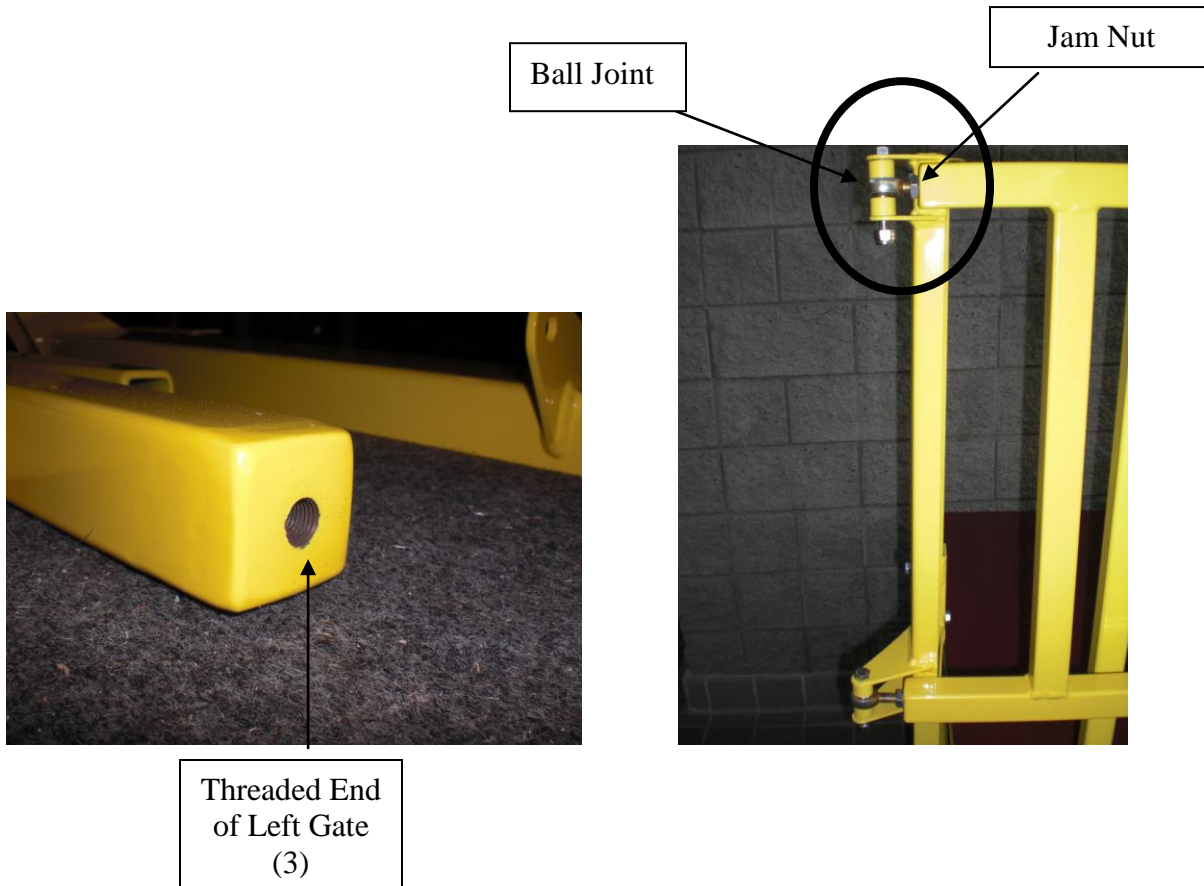


Left Outside  
Rail View  
Figure 1

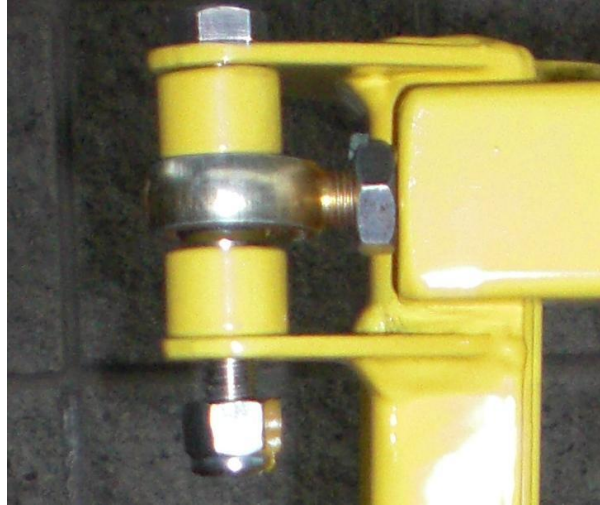
Left Inside  
Rail View  
Figure 2



5. Repeat above steps to mount Right Side Plate (G2)
6. Locate the supplied ball joints and install on Left Gate (3) and thread together so top and bottom ball joints each have one jam nut, then thread the ball joint into the threaded ends of the gate rail (3). The ball joint installed on the lower gate rail should be is the main adjustment for operation.



7. Place gate on hinge brackets of Left Hinge Bracket (1) and insert 1 -3/8" cap screw through the top hinge, in the following order place yellow spacer- ball joint- yellow spacer. Use the 3/8 nylon lock nut and finger tighten to the bottom of the hex head cap screw that was just inserted. Do the same for lower flange. **Do not wrench tighten yet as some adjustments maybe needed!**



8. Insert Right Side Gate (4) into Left Side Gate (3). Do not bolt yet.



9. With both sides of gate in place, position Right Side of Gate (4) so that gate is proper length and closes properly on Closure Bracket (2). Gate should hang a little lower than catch. **Adjustments maybe needed for gate to swing at proper angle to allow gate to catch and stay closed.** Make sure Right Side Gate (4) is flush with Closure Bracket (2). Hold firmly in place, using the predrilled guide holes located on gate (G3) and 9/32” drill bit, drill two holes in the Right Side of Gate (4) making sure to drill only into one side of tube. Fasten with the supplied 5/16 self tapping screws.



Gate Should Easily Swing Past

**Closure Tab**



**Gate Closed Properly**

10. Check to make sure gate swings shut and is held in place by its own weight. If adjustments are required tightening lower ball joint will lower gate for tighter fit. Loosening lower ball joint will give looser fit. Gate should open with a gentle nudge and swing closed on its own.



For Installation Questions or Additional Orders:  
Call  
800-770-8851

Monday – Friday / 8:00 AM to 5:00 PM EST

or e-mail us  
[sales@ladderport.com](mailto:sales@ladderport.com).

LadderPort™ products should not be used for anything other than their intended purposes.

Always check state and local building codes prior to installation on any building.

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