

C.R. LAURENCE CO., INC.

ATLAS HINGE

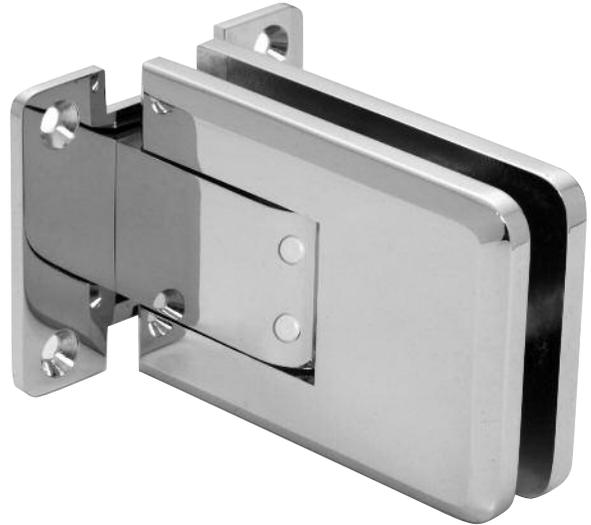
Assembly and Installation Instructions

TOOLS AND SUPPLIES REQUIRED:

- Measuring Tape
- CRL PLS2 Laser or Conventional Bubble Vial Level
- #2 Phillips Screwdriver
- Allen Wrench (supplied with hinge)

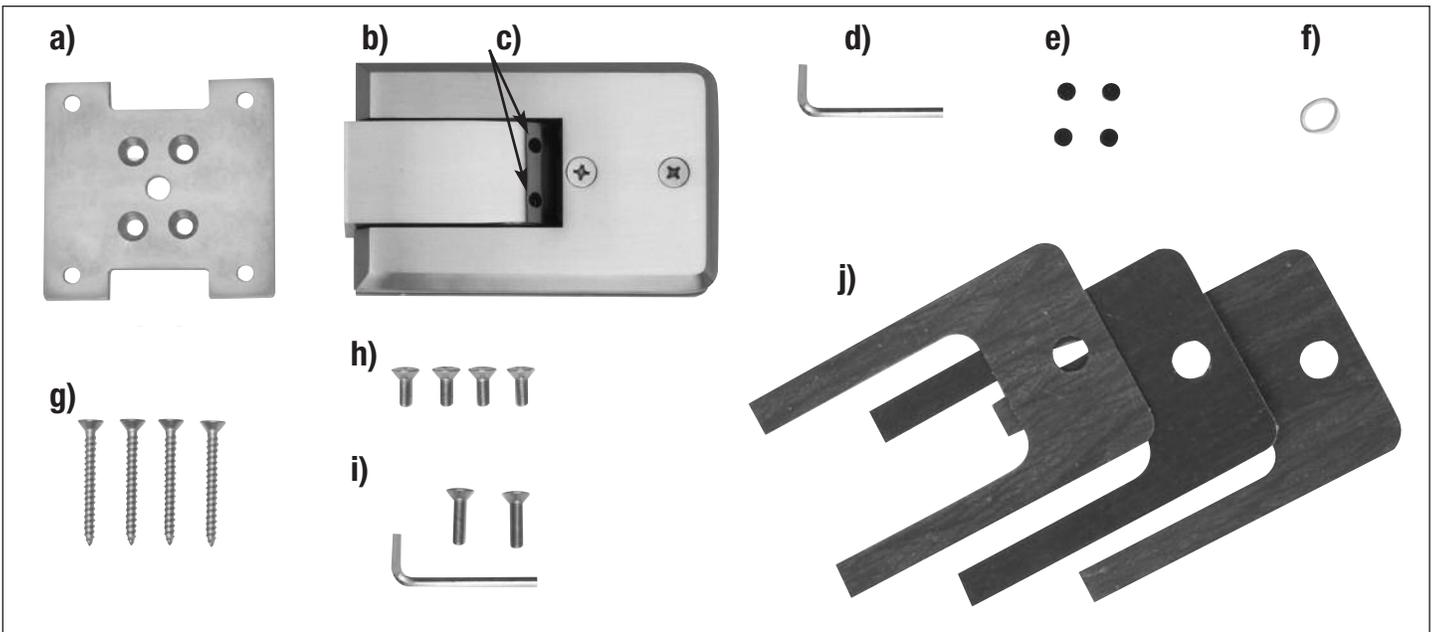
IMPORTANT NOTES:

- 1: Each Atlas Hinge comes complete with 4 each #12 x 2" (50.8 mm) wood screws for mounting the hinge to the jamb. Depending upon your application these fasteners may not be sufficient. Always use appropriate fasteners to meet field conditions.
- 2: Maximum Door Width: 39" (1 m)
Maximum Door Weight: 140 pounds (63.5 kg)



COMPONENTS

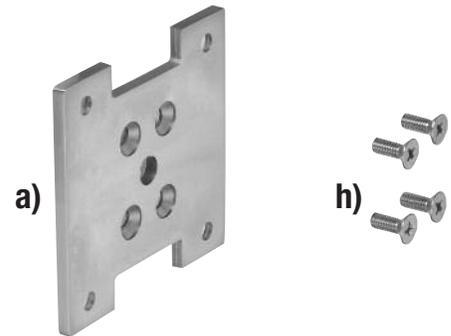
Each Atlas Hinge should come complete with the following:



- a) Mounting Plate
- b) Main Hinge Body with Phillips Flat Head Machine Screws for clamping portion
- c) (4) Set Screws for centering adjustment, loosely installed in Main Hinge Body, with Allen Wrench
- d) Allen Wrench for centering Adjustment Set Screws
- e) (4) Black Plastic Caps to finish off holes for centering Adjustment Set Screws
- f) Grommet for hole in glass
- g) (4) # 12 x 2" (50.8 mm) Wood Screws
- h) (4) Philips Flat Head Machine Screws for attaching Mounting Plate to Main Hinge Body
- i) (2) Optional Flat Head Allen Machine Screws for Main Hinge Body Clamp with Allen Wrench
- j) (3) Sets of Gaskets
 - 039" (1 mm) thick for 1/2" (12 mm) glass
 - 079" (2 mm) thick for 3/8"(10 mm) glass
 - 118" (3 mm) thick for 5/16" (8 mm) glass

ASSEMBLY

Attach Mounting Plate (a) to Main Hinge Body (b) using the four Phillips Flat Head Machine Screws (g)



SPRING TENSION ADJUSTMENT

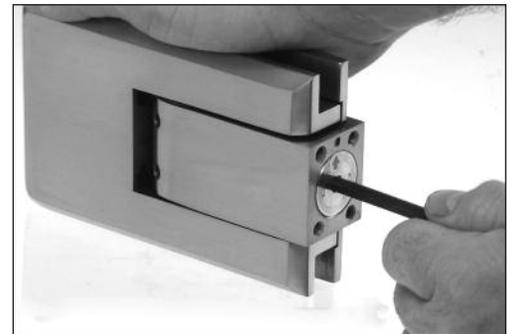
Each Atlas Hinge comes pre-set to adequately handle up to the maximum door weight of 140 lbs. (63.5 kg). A maximum 180-degree clockwise rotation of the Spring Tension Retaining Screw will offer some additional centering force for applications that are nearing the maximum parameters for this hinge.

NOTE:

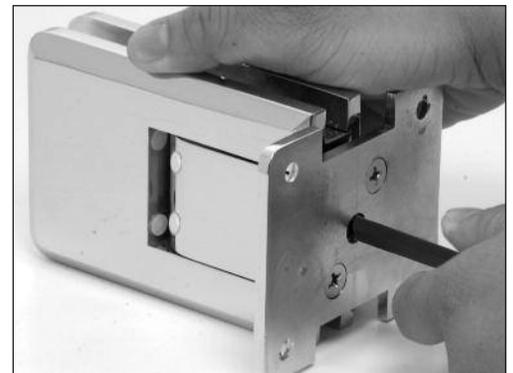
This adjustment can be done prior to or after assembly of the Hinge components, but only before mounting to the wall or jamb. (See Illustrations "A" and "B")

INSTALLATION

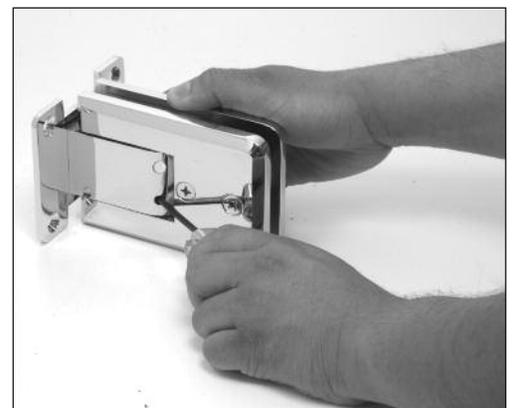
- 1: Important:** Prior to installing the door, always be sure to check the wall with a straight edge and level to see if the wall is flat and plumb. If the wall is not plumb, or has a bow or curve in it, the Hinges will not align with each other and therefore will not work properly. Custom tapered shims, or recessing one of the back plates into the jamb or wall, may solve the problem. If too severe, the wall may need to be reworked.
- 2:** Both the glass and the gaskets must be free of any grime, grease, oils, or anything else that would prohibit the Hinge and gaskets from making good contact with the glass. Glass cleaner or rubbing alcohol makes a good cleanser.
- 3:** Remove the clamping portion and screws from the Main Hinge Body. See the template sheet in the hinge box for proper gasket selection for your glass thickness. Place one gasket onto the Main Hinge Body with the hole over the screw post. Position Hinge Body and gasket in the glass cut-out and hole. Position clamping portion with second gasket on the other side of the glass and loosely secure with the supplied machine screws. Align the Hinge in the cut-out being sure that it is centered up and down, and that the glass does not contact the mounting plate. **Note: Always tighten the machine screws by hand!** Alternate from one screw to the other so that even pressure is applied to the clamping portion of the Hinge. Repeat this process on the second Hinge. After tightening all screws, let them set for a period of 10 to 20 minutes to allow the gaskets to settle, then attempt to tighten them down a little bit more. It's this extra amount of tightening that can help prevent slippage.
- 4:** Place shims on the floor of the door opening, equal to the pre-determined door bottom clearance. Position yourself on one side of the door and have an assistant on the other. Together, lift the door into the opening and set the bottom of the door on the shims. Slowly push the top of the door into position in the opening. After the door is positioned with correct surround clearances, check to see if the door aligns with the plumb centerline plus half the thickness of the glass. Using a pencil, mark the screw holes on both sides of the door. Remove the door so the mounting holes can be drilled.
- 5:** Drill mounting holes as needed for the proper fasteners chosen for your installation. **Note:** The screws supplied with every Hinge may not be adequate for your condition. Reposition the door in the opening and secure in place.
- 6:** Final centering position adjustments can be made at this time. If inline glass panels are present, position the door glass flush with the other panels, then securely tighten the four Set Screws at the center of the Hinge. (See Illustration "C"). The Set Screws are fully tightened when the supplied Allen Wrench begins to twist. Insert the black plastic Finish Caps into the set screw holes to finish the installation.



(A)



(B)



(C)