

KLÖZIT® SLIDING GLASS DOOR CLOSER by ROLTEC PRODUCTS, INC.

INSTRUCTIONS for STRAP ACTUATED CLOSER

OVERVIEW: The KLÖZIT sliding glass door closer stores energy in a gas spring that is compressed when the sliding glass door is opened. When the door is released, the closer uses the energy stored in the gas spring to close the door. Because of the need to store this energy when the door is opened, all doors will require more opening force than without a door closer. Two closer designs are available, a cable actuated closer and a strap actuated closer. The strap door closer is more energy efficient and thus allows for an easier to open door while the cable door closer is smaller and more concealed but less efficient. Regardless of what closing system is used, properly functioning door rollers are critical to the operation of all door closers. If the sliding glass door does not roll easily, the rollers and track must be cleaned and/or repaired.

THESE INSTRUCTIONS ARE FOR THE STRAP ACTUATED CLOSER ONLY.

MECHANISM: The body of the door closer is a 1" x 1.5" aluminum extrusion. The closing mechanism consists of a gas spring (piston) with a single pulley mounted to the bottom of the piston. The top of the piston is held inside of the extrusion by a 1" long pin. At the top of the closer, 2 ball bearings are mounted on the sides of the extrusion. A square shaft passes through these 2 ball bearings. Inside the extrusion, a spool is mounted to the square shaft.

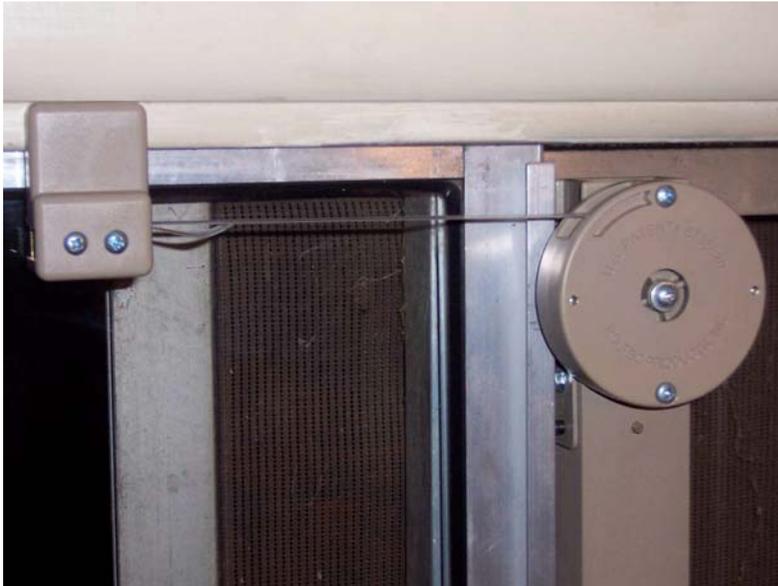


Outside the extrusion, the square shaft passes into a 3" diameter wind-up spool. A thin cable inside the extrusion winds up on the interior spool when the strap on the outside of the closer is pulled out (such as when the door is opened). Force passes from the exterior windup spool to the interior spool via the square shaft. As the interior cable is wound up on the interior spool, the gas spring is compressed, storing energy that will later be used to close the door.

When the flat strap that comes out of the 3" diameter wind-up spool is released the force stored in the compressed piston is released, unwinding the interior cable and winding up the strap into the 3" diameter spool (such as when the open door is released and allowed to close). The flat strap is anchored to the door frame by wrapping it around two anchor posts. This connection to the door frame is what enables the closer to pull the door shut.

MOUNTING: The door closer mechanism is mounted on the non-handle side of the door, on the inside of the house. Unless otherwise specified, the door closer is shipped in the left-to-right configuration, meaning that it is assembled for a door that moves from the left to the right when viewed from the inside of the house.

INSTALLING THE STRAP-ACTUATED SLIDING GLASS DOOR CLOSER



The door closer mounts on the inside of the door (inside the house), on the moving panel on the side opposite of the door handle. The tape anchor is mounted to the door frame, 6" toward the handle side of the door, on the door frame.

The closer in this picture is a Left Hand Closer. (The door opens from left to right when viewed from the inside).

Precautions: Before starting, verify that the locations where holes will be drilled do not have glass. Also verify that the closer can close your door. Verify closing by attaching the tape to the anchor posts as shown in these

instructions. Use cellophane tape to hold the loose end to the main part of the strap so that the strap will not slip off of the anchor posts. Put the hanger part of the coat hanger through a hole in the tape anchor and bend it so it will not come off. Open the door and hook the body part of the coat hanger around the door handle. Have an assistant keep the door from moving and pull on the closer to pull out the tape. Have the assistant release the door and let the closer pull it shut. If the closer cannot or just barely closes the door, you will need to repair your door rollers or otherwise reduce friction.

INSTALLATION INSTRUCTIONS:

1. With the door closed, make a pencil mark on the door frame above the moving panel, 6" from the non-handle edge of the moving panel.
2. Hold the tape anchor on the door frame so that the anchor posts are about 1" below the bottom edge of the door frame or with the top edge of the tape anchor touching the door frame molding. Align the edge of the anchor with the pencil mark (with the anchor assembly on the handle side of the door and the pencil mark on the non-moving panel side). NOTE:, The tape anchor must be flat.



3. Make a pencil mark for one of the tape anchor mounting holes.
4. Drill a 1/8" hole on the pencil mark.
5. Mount the tape anchor with a 1/8" pop rivet.
6. Make sure the tape anchor is level and then drill a 1/8" hole for the other pop rivet and install the rivet.
7. Hold the door closer on the edge of the moving panel with about 1/8" of space between the panel frame and the spool and positioned vertically so that the tape coming out of the spool is at the same height as the tops of the pins of the tape anchor. Then mark the outline of one of the slots of the mounting bracket on the door.



Horizontal slot marked (already drilled)

8. Drill a 1/8" hole in the center of the slot mark. Use very little pressure so that the drill does not go too deep and hit the glass edge inside of the door frame.

9. Attach the closer bracket to the door frame with one hex head screw.

10. Rotate the closer on the bracket to make it parallel with the door and drill and then install two hex head screws in the bottom bracket. Then drill and then install the 4th hex head screw in the top bracket.



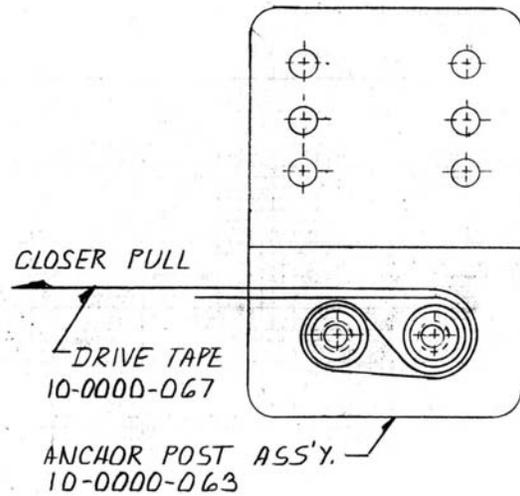
Closer vertical with door and bottom two hex head mounting screws installed on mounting bracket



4th hex head screw installed on top mounting bracket



Closer with mounting tape attached under tension



Tape wrapping closeup, right handed door

11. Now that the closer is mounted to the door, the strap can be attached to the mounting posts and tension can be applied to the closer and door.
12. Grasp the closer tape and pull out 6" of tape under tension.
13. Wrap this tape around the tape anchor posts as shown in the drawing.
14. Stretch the excess tape out parallel with the tape under tension and attach it to the tape under tension with "Scotch" office adhesive tape.
15. Install the tape anchor cover with the two screws provided.



Strap closer correctly installed on left handed door with strap anchor cover installed.