

**IMPORTANT:** 190F will work on any commercial solid core wood or metal door regardless of the door's size or weight. **If the door is abnormally difficult to pull open, adjust the door closer resistance to the ADA standard of 5 pounds maximum.**

1. 190F should be mounted approximately 1/8" from the bottom and outer edge of the door.
2. Mark the holes with a pencil while holding the 190F against the door at a level mounting position. If a metal kick plate is on the door, drill 1/4" holes where marked before moving onto next step. (Only go through metal kick plate, not through door).
3. **Wood Doors:** The barrel bolt is for the middle hole, and the 1-1/4" #12 screws are for the outside holes. Use a 5/16" bit to drill the middle hole completely through the door (Be sure to keep the drill perpendicular to the door while drilling), and use Loctite thread locker on the barrel bolt threads. Make sure the 190F is level and then install the two outer screws.
4. **Metal Doors:** Once the holes are marked, use a drill to create 3/16" pilot holes. Use a 5/16" bit to enlarge the center hole, and then continue drilling through the outer metal skin. (Be sure to keep the drill perpendicular to the door while drilling). Remove any burrs and use Loctite thread locker on the barrel bolt threads. Use the barrel bolt for the middle hole, and the 1-1/4" # 12 screws for the two outer holes.
5. Open the door fully and check for any interference issues with wall or floor mounted door stop.
6. Install instructional decal above door handle.