



4802-7530 Chain Tensioner Install Guide

Overview:

The subject chain tensioner will be used, per request, on doors that have a manual chain hoist operator. This chain tensioner will keep the chain tight during operation to keep the excess chain from slapping the track of the door. Refer to the below information for instructions on properly mounting the chain tensioner.

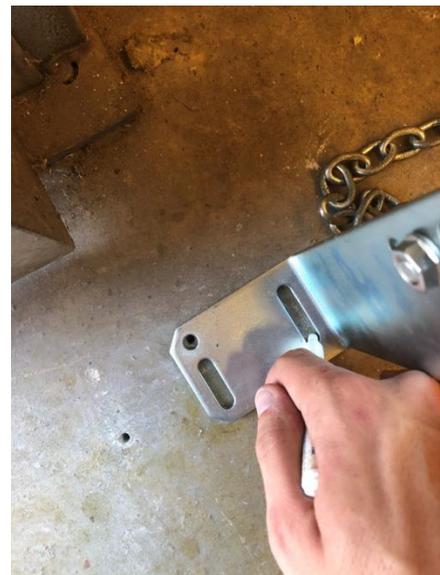
Installation:

Before beginning the installation of the chain tensioner, the RollSeal Door needs to be fully assembled and mounted to the wall for operation. Once the door has been installed, allow the excess chain to hang freely from the hoist. The chain will be shortened to the required length in a later step.

There are two options of this kit. If the tensioner is being installed on a new door, the kit will be a 6430-00450. If the tensioner is being installed on an existing door, the kit will be a 6430-00451. The only difference between the two is that the 6430-00451 kit will have excess chain in the box to allow the existing chain to be lengthened so that it will reach the tensioner which will be mounted to the floor.

Begin by unboxing the chain tensioner kit. In the box, there should be a chain tensioner, two mounting anchors and a $\frac{1}{4}$ " Drill Bit. If the kit that is supplied is a 6430-00451 kit, it will also include an extra 10 ft of chain.

1. Begin the installation process by ensuring that the hand chain is hanging straight down to the floor with the excess slack coiled to the side. Position the tensioner in line with the chain that is hanging from the hoist so that the tensioner is aligned with the hoist. Once the tensioner is aligned, mark the drill locations as shown to the right. It is recommended to place one anchor in the hole on the mount and the other in the right corner of the slot.



2. Place the tensioner to the side and drill the two holes with the provided $\frac{1}{4}$ " bit. It is recommended to drill the holes a minimum of 3" deep. Ensure the drill is held straight while drilling the two mounting holes.



3. Once the two holes are drilled and the dust has been removed, position the tensioner over the holes and insert the anchors. It may be required to tap the anchors in with a hammer due to the required tight fit during install.



- Once the anchors are tapped into the holes, with a couple threads exposed on each stud, begin to tighten the nuts. To tighten the nuts and pull the anchors up to hold, a 7/16" socket will be required. It is recommended to tighten these nuts to 8 ft-lbs.



- Once the tensioner is secure, proceed to remove the wheel inside the tensioner by pulling the keeper out of the pin and sliding the pin out of the tensioner. Once the wheel is removed, wrap the chain around the wheel and drop the wheel back into the tensioner. Replace the pin and keeper.



6. With the chain through the tensioner, break the chain on either side and leave the broke link hanging from the chain. Pull the chain (free end) up until the spring on the tensioner has been compressed between 1.5" to 1.75" and hook that link in the link that was just broken. Ensure the chain keeper is mounted in range of the chain now that it is tensioned.



7. Reconnect the link that has been broken while the spring on the tensioner is still compressed. Ensure that the link that was used to break the chain is aligned properly before operating the door. Remove the excess chain at the connecting link as detailed above. The finished product should look like the below picture.

