The Self-Closing BadAss Hinge Set by SHUT IT® Gate Hardware

Capacity:
Load Capacity: Up to 2,000lbs (at the hinge). **NOTE:** Load capacity does not equal gate weight.
Maximum Self-Closing Weight Capacity: Pair of single-hinge closers self-closes up to 350 lbs (160kg). Closer + Plain Hinge Set self-closes up to 300 lbs.

Restrictions:
- Disassembling hinge will void warranty (Warranty not voided if yoke and body of hinge are separated for welding).
- Hinge is not designed to be powder coated.

Installation Guide:

Proper Orientation of Hinge
The Self-Closing BadAss Hinge uses a one-direction spring system (can only open one way) so it may be necessary to rotate the body of the hinge for your particular gate installation. For all installations, the yoke of the hinge should always be fastened to the gate post or door frame, and the body (the center piece) to the gate or door. Additionally, the bolt should always be installed with the head on the top and the locking nut on the bottom. To change the opening direction of the hinge, rotate the hinge 180 degrees so that the tension adjustment screw is now on the top of the hinge. When you rotate the hinge you will notice that the bolt head is now on the bottom so you will also need to remove the locking nut and bolt and reinstall so the bolt head is on the top.

Installing the Hinges
The following are the recommended steps for welding the Self-Closing BadAss Hinge set to your gate/door and end post/door frame.

Welding Instructions:

1. Weld both hinge bodies to the gate/door at your welding shop. **IMPORTANT**: it is very important that the hinges are lined up and welded so that they are level with each other on the gate frame. If the hinges are not level, relative to each other, it may cause binding in the system, which will increase the torsion strength needed to shut the gate/door. Too much binding my cause the self-closing mechanism to not function.
2. With the hinge bodies welded in your shop, the yokes can then be welded to the end post/door frame on the job site. **IMPORTANT**: we recommend tack welding the yokes and adjusting the hinge tension prior to fully welding the yokes. To make sure the yokes are welded in proper alignment it is best to weld them to the end post/door frame while they are attached to the hinge bodies on the gate/door. It is useful to have a jack to hold the gate in place while welding the yokes to the end post/door frame.
3. Once the yokes are welded, make sure the lock nuts are loosened and level the gate as necessary. Once the gate is level, tighten the lock nuts until fully secured to avoid slippage.
4. **NOTE:** It is possible that the hinge will require more tension to self close when the welds are still hot, so it is recommended that tension is re-tested and possibly adjusted after the welds have fully cooled.

Bolting Instructions:

1. **IMPORTANT:** it is very important that the hinges are lined up and fastened so that they are level with each other on the gate frame. If the hinges are not level, relative to each other, it may cause binding in the system, which will increase the torsion strength needed to shut the gate/door. Too much binding my cause the self-closing mechanism to not function.
2. Attach the hinge bodies to the gate/door (this can be done in the shop or on site). Next, the yokes can then be fastened to the end post/door frame on site. To make sure the yokes are fastened in proper alignment, it is best to fasten them to the end post/door frame with the hinge fully assembled and attached to the gate/door. It may be useful to have a jack to hold the gate in place while bolting the yokes to the end post/door frame.
3. **NOTE:** the bolt-on option provides ½" (6mm) of vertical adjustability.

Setting/Adjusting the Spring Tension

The Self-Closing BadAss Hinge is shipped at the lowest tension setting. This setting will be the most common setting for installations so we recommend that you install the hinge and test at this setting and then make adjustments if needed. Once installed, if additional tension is needed to fully close and latch your gate, use the following steps:

1. Using the provided hex socket wrench, remove the Tension Locking Screw located on the body of the Self-Closing BadAss Hinge.
2. Once the screw is removed, insert the hex wrench into one of the three tension adjustment guide holes on the round spacer near the Tension Locking Screw and rotate toward the hinge yoke until the desired threaded hole is inline with the opening on the hinge body. (we recommend moving to the third threaded hole for our initial adjustment, which is the mid point of the tension span).
3. **NOTE:** it may be necessary to loosen the lock nut on the Self-Closing BadAss Hinge to rotate the spacer. The hinge is designed to **compress when the lock nut is tight, and this may make adjusting the spacer more difficult.**
4. **Once the threaded hole is lined up with the hole in the hinge body, re-insert the Tension Locking Screw and screw with fingers** until it is seated in the threaded hole.
5. Using the hex wrench, tighten the Tension Locking Screw fully.
6. Retest the closing of the gate and repeat adjustments as needed.
7. **If lock nut was loosened during adjustment, make sure it is tightened after final adjustments are made.**