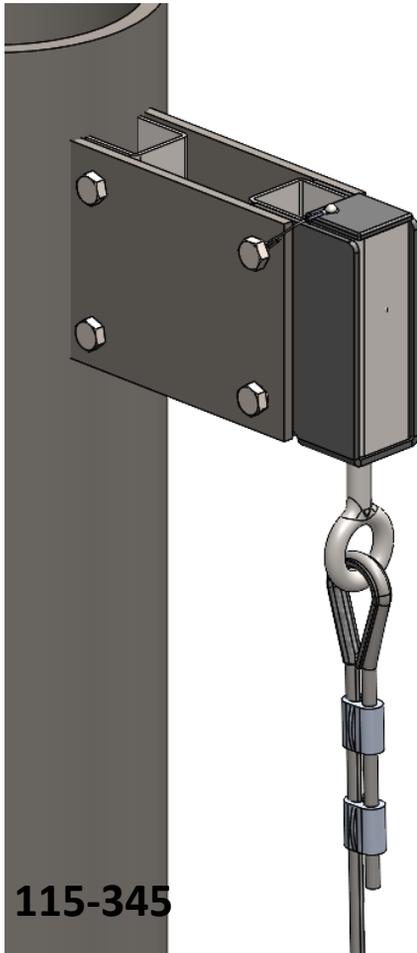
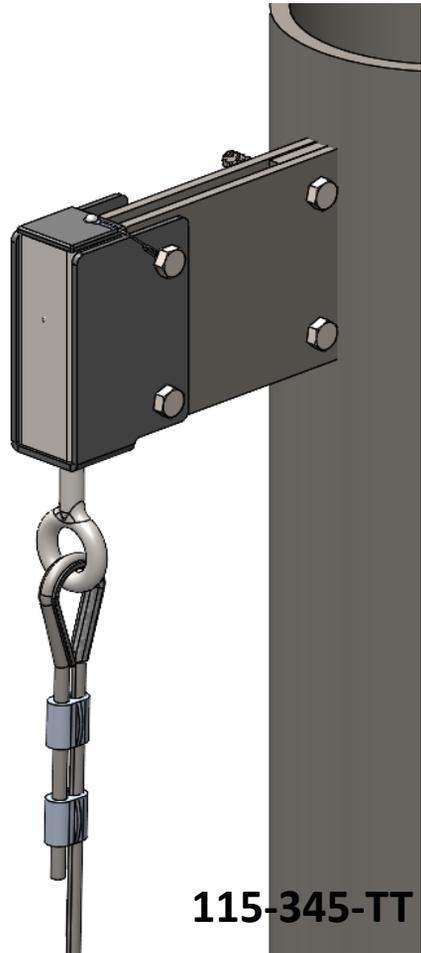




## 115-345 (-TT) Monopole Head Extension



115-345



115-345-TT

- Monopole Head Extension Brackets add 6 inches of extra room off the pole, providing a total of 9 inches clearance off the face of the pole to the center line of the safe climb system.
- Monopole Head Extension Brackets have been load tested to 5000 lbs. This anchorage will provide an engineered connection for a minimum (2) person simultaneous safe climb use with a TUF-TUG System.

**Meets all the necessary ANSI/OSHA requirements.**

- Install is no more difficult than our systems without them.
- They allow all our existing hardware and products to be used as normal.

**Inspect security and condition BEFORE each use.**

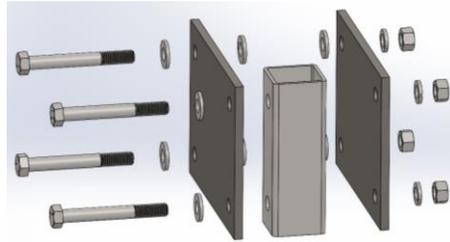
*\*Head assemblies are not included in kit\**

# 115-345

## Welded Channel Mount Install

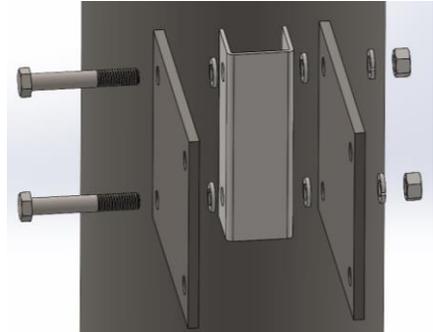
### Contents:

- (2) Extension Plates (115-345-DB-C)
- (1) Simulated Channel (115-336-C)
- (4) Bolts (110-164)
- (4) Nuts (110-153)
- (12) Washers (110-159&115-410G)



1. First step of the install is to attach the extended mounting plates to the welded channel of the pole. Use the provided hardware and bolt the plates, one on either side of the channel, to the pole. Make sure you insert a washer between the channel and the plate on both bolts on either side. This helps space the plates out from the channel for later.

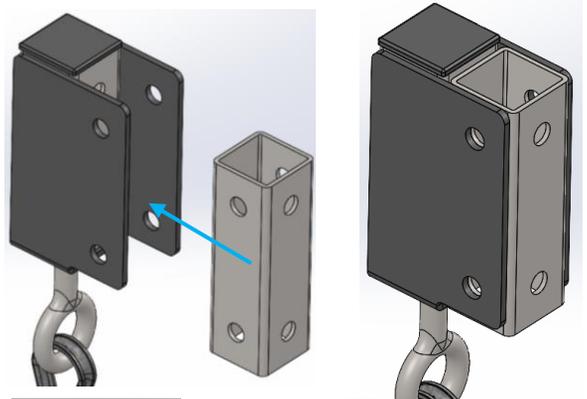
- 4 washers total should've been used to space the plates from the channel.
- Make sure both the bolts have a washer between bolt head and plate, and lock washer and nut on end.
- Tighten them most of the way, but not all the way just yet.



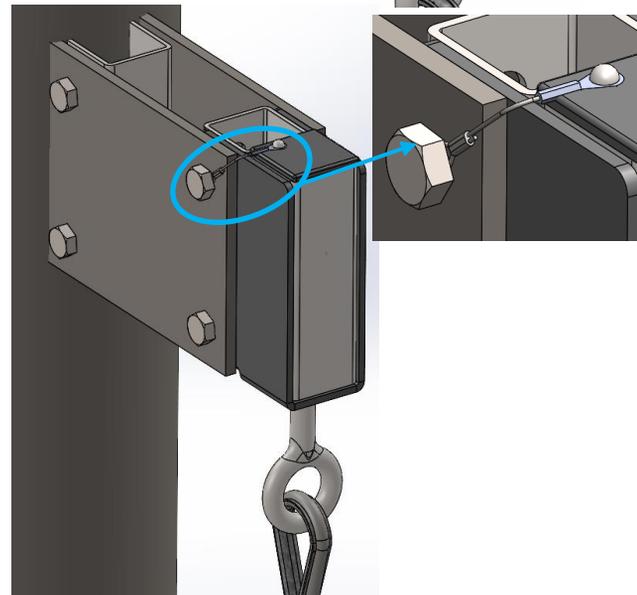
2. Second step is to install the simulated channel to the head assembly. You will slide it into the head assembly, making sure the bolt holes line up, but do not install the bolts in this step.

3. Third, in the opening between the extension tabs, install the head assembly and simulated channel. Make sure the bolt holes line up and insert the bolts through.

- Make sure you install the cap lanyard around the top bolt before inserting it through. This lanyard MUST be attached prior to moving on.
- Make sure both the bolts have a washer between bolt head and plate, and lock washer and nut on end.



4. Next, double check everything. You should have an extension plate on EITHER side of the welded channel of the pole, with washers between them. At the end of the plates should be your head assembly, with the simulated channel between the 2 extended tabs of it. Finally, the extension plates should be on the outside of both the head assembly and simulated channel.



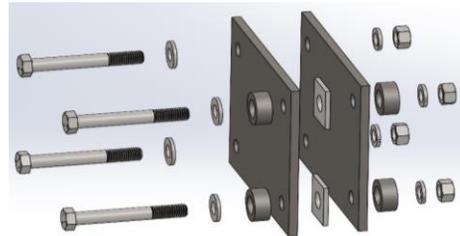
5. So long as all your work is correct and matches the pictures, you can tighten down your hardware. Make sure to tighten all the nuts/bolts to approx. 45 ft-lbs and mark them.

# 115-345-TT

## 1/4" x 2" Wide Welded Tab Mount Install

### Contents:

- (2) Extension Plates (115-345-DB-C)
- (2) Square Washers (110-129-G)
- (4) Circular Spacer (115-345B)
- (4) Bolts (110-164&111-112G)
- (4) Nuts (110-153)
- (12) Washers (110-159&115-410G)



1. First step of the install is to attach the extended mounting plates to the welded tab of the pole. Use the provided hardware and bolt the plates, one on either side of the tab, to the pole.

- Make sure both the bolts have a washer between bolt head and plate, and lock washer and nut on end.
- Tighten them most of the way, but not all the way just yet.

2. Second step is to install the square washers and spacers. You will do the top mounting hole first. Install the square washer between the 2 plates, followed by the spacers on the outside of both the plates. Following this, slide the head assembly on and line up the holes and slide the bolt through.

- Make sure you install the cap lanyard around the top bolt before inserting it through. This lanyard **MUST** be attached prior to moving on.
- If you need, slide the bolt through and install the spacer and washer as you slide the bolt through. Just ensure when you are done, it looks like the images.
- Make sure the bolt has a washer between bolt head and head assembly, and lock washer and nut on end.

3. Third step is to install the bottom square washer and spacers. You will follow the same process as the top.

- Make sure the bolt has a washer between bolt head and head assembly, and lock washer and nut on end.

4. Next, double check everything. You should have an extension plate on **EITHER** side of the welded tab of the pole. At the end of the plates should be your head assembly, with a square washer between the plates at both the bolt holes. Additionally, a circular spacer should be between the tabs from the head assembly and the plates, 2 for each bolt, with 1 on either side on the plates.

5. So long as all your work is correct and matches the pictures, you can tighten down your hardware. Make sure to tighten all the nuts/bolts to approx. 45 ft-lbs and mark them.

