

# 419E Drop Tube Extender for 4" Drop Tube for Filling Applications

## Installation & Maintenance Instructions



Failure to follow any or all of the warnings and instructions in this document could result in a hazardous liquid spill, which could result in property damage, environmental contamination, fire, explosion, serious injury or death.

## Installation



### WARNINGS

- **Fire Hazard** – Death or serious injury could result from spilled liquids.
- Any modification to this product other than stated in these installation instructions will void the product warranty.
- Install in accordance with all applicable local, state, and federal laws.
- For your safety, it is important to follow local, state, federal and/or OSHA rules that apply to working inside, above, or around the storage tank and piping area. Use all personal protective equipment required for working in the specific environment.
- Tanks could be under pressure. Vapors could be expelled from tank vents, piping, valves or fittings while performing installation. Vapors could catch fire or cause an explosion. Avoid sparks, open flame, or hot tools when working on tanks.
- Fill points should be labeled to identify product being transferred, according to all applicable codes.

## Steps

1. Check drop tube. This part works with drop tubes that have an inside diameter between 3.72" and 3.78" only.
2. Make sure the ends of the drop tube sections are cut square.
3. Peel and attach Hole Location Template onto the ends of drop tube that are intended to be connected.  
One end of the template must line up with the bottom edge of the tube.
4. Using the template, drill through the tube with a 5/16" drill bit.
5. Remove the template from the drop tube.
6. Make sure tubes have not been dented or bent while drilling holes. If burrs are present, carefully remove them.
7. Slide drop tube over the coupler and begin threading the flat head screws (6) provided into the 3 holes. First, hand tight and then using a 5/32" Hex Drive. Tighten one screw at a time in a circular pattern to a torque value of 50 in-lbs on each.
  - a. Repeat this process on the other side with the second section of drop tube.
8. After assembly, check the drop tubes and connection for any bends or internal debris. If any are noticed, you may need to replace the drop tubes or remove debris before proceeding.



Scan QR Code for  
installation video.

## Maintenance

This product should be maintained according to local codes or to API Recommended Practice 2350.



### WARNINGS

- **Fire Hazard** – Death or serious injury could result from spilled liquids.
- You must be trained to maintain this product. Stop now if you have not been trained.
- For your safety, it is important to follow local, state, federal and/or OSHA rules that apply to working inside, above, or around the storage tank and piping area. Use all personal protective equipment required for working in the specific environment.
- Tanks could be under pressure. Vapors could be expelled from tank vents, piping, valves or fittings while performing maintenance. Vapors could catch fire or cause an explosion. Avoid sparks, open flame, or hot tools when working on tanks and tank accessories.

**WARRANTY:** If you believe this product has a defect due to material or workmanship, please contact Morrison for a return authorization. All products are thoroughly tested before shipment and meet all applicable performance standards and specifications. Only material found to be defective in manufacture will be replaced or repaired at our discretion. Claims must be made within one year from the date of installation, and Morrison Bros. Co. will not allow claims for labor or consequential damage resulting from purchase, installation or misapplication of the product. The warranty registration information must be provided to the end user.