

# 42” Split Coupler HP Storm Installation Guide

This installation guide is reference for installing the 42” (1050 mm) Split Coupler for the 42” HP Storm Pipe. Note: The coupler can only be used on pipe that is not yet buried, or can be easily excavated, can be repaired from the exterior.

The components of the 42” (1050 mm) Split Coupler are as follows:



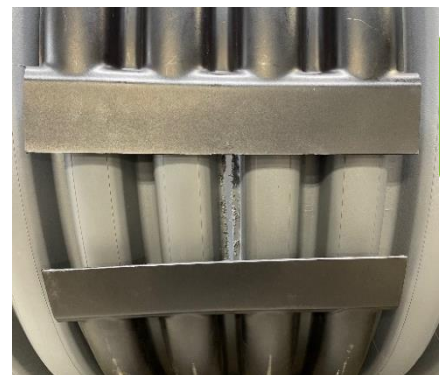
(6) 30” (750 mm) Zip Ties



(1) 42” (1050 mm) Split Band Coupler – 2

Before you start please check to make sure all components are on site.

1. To install the coupler, first assess where the coupler will need to be centered on the pipe(s).
  - a. Split band couplers engage the exterior corrugations and therefore can only be used for corrugated exterior pipe. This repair method should only be used if the damaged area is in a non-trafficked green area, is cosmetic in nature, confined to a single corrugation, and is not defined as structural damage. The coupler shall be centered over the damaged area of pipe and tightened down with the included zip ties. If the damaged area is large or significant, the damaged area is to be cut out, and replaced with a new section of pipe. The replacement section is to be ‘spliced’ in place using split band couplers.
  - b. There are two halves to the 42” HP Storm Split Band Coupler. The first half of the coupler will need to sit evenly under the damaged area of pipe and placed under two corrugations.



2. Once the bottom half of the coupler is in place, place the second half of the coupler over the top the spliced pipe so that it aligns with the bottom half of the pipe. Again, this will sit evenly between the two halves of pipe, with the splice in the middle and two corrugations of each half.



3. Notice that there are three holes located under the lip of each half of coupler. These are for the included zip ties to be threaded through and secure the coupler together. Make sure that the holes are aligned between the two halves of the coupler. If not, the coupler will not cinch easily and not create the needed soil tight fit.



4. Once both halves of the coupler are centered around the pipe and the zip ties holes are aligned, the included zip ties can be used to secure the coupler to the pipe. The best practice to thread the zip ties through is to first thread a zip tie through the middle hole on both ends of the coupler. Start with one side, cinch the zip tie, and move to the other side and repeat the process.

- a. Start by threading the pointed end of the zip tie into the top half of the coupler. Note: this is done on the outside of the coupler, above the lip.



b. Continuing to thread the zip tie through until you have enough slack to thread through the second middle hole located on the other half of the coupler. Note: this will go through the inner hole of the second half of coupler, not the outside.



c. Continue to feed the zip tie through until the two halves of the coupler can be brought together and the zip tie can be cinched together.



d. Complete securing the zip tie by feeding the pointed end of the tie into the square notch. Continue to pull the end of the zip tie through until a loose connection between the two lips of the coupler is created.



5. Repeat step four on the other side of the pipe, threading the zip tie through the outside of the coupler and continue working it through the hole on the inside of the part.





6. Continue with step four until a loose connection is made with the zip tie.
7. Now that the coupler will be held in place, continue with threading the remaining zip ties through the remaining holes. Remember to thread through the outside top part coupler and thread out of the bottom coupler. Note: Keeping the zip ties loose during installation will make it easier to navigate the zip ties through each end of the coupler.
8. Continue threading until each side of the coupler has three connection points secured by the zip ties. Once completed on both sides of the coupler, you can pull each zip tie tight, creating a soil tight seal.
9. To complete the install, trim the excess of the zip tie.



10. After the six zip ties have been zipped tight and ends have been trimmed, the split coupler has been installed.

