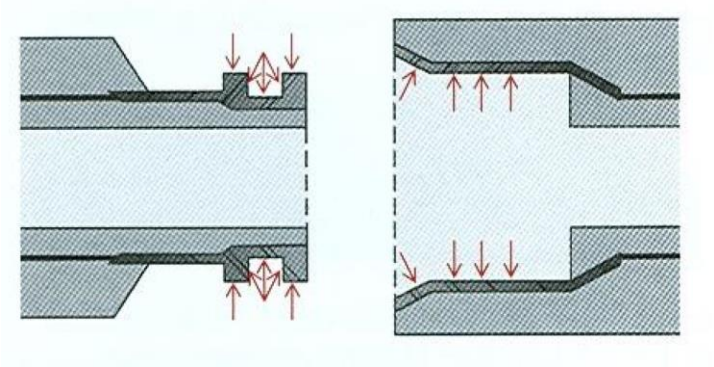
Installation Instructions
935 & 936
Fabricated CPP Adapter

STEP 1
Upon receiving the Smith-Blair CPP Adapter, inspect for any damages from freight to jobsite. Damage to the Smith-Blair Flexi-Coat® can be field repaired with a touch-up kit from your local Smith-Blair representative.

STEP 2
Confirm the sizes of the supplied CPP Adapters are adequate for the existing CPP.
a. Check the roundness of the CPP at the Bell or Spigot ends.
b. Out-of-round Bell or Spigot ends will require re-rounding in order to mate with the supplied adapters. Refer to the "Concrete Pressure Pipe" repair guide from the American Concrete Pressure Pipe Association for re-shaping the Bell or Spigot.

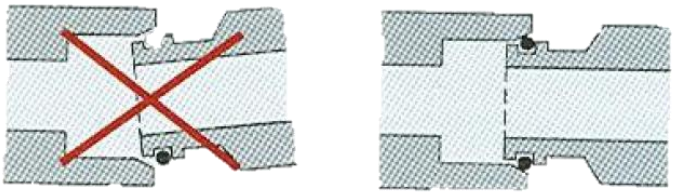
STEP 3
Prior to installing the CPP Adapter onto the CPP Bell or Spigot, ensure that the components are clean and free of debris. If installing with a gasket, apply generous amounts of lubricant* to the Spigot gasket groove and the surface of the Bell. The areas are indicated below.



STEP 4
If installing an O-ring gasket with your Smith-Blair CPP Adapter, lubricate* the gasket using a clean cloth.

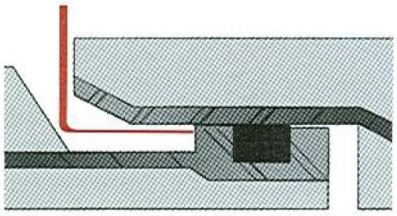
STEP 5
It may be necessary to stretch the gasket by circling a screwdriver underneath the gasket along the circumference of the Spigot until the gasket is fully seated in the Spigot gasket groove. Apply additional lubricant* to the surface of the gasket.

STEP 6
Position the adapter so that the interface between the Spigot and Bell is even as pictured below.

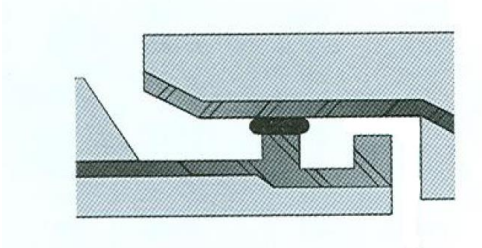


STEP 7
Once the adapter is positioned properly, seat the adapter evenly with a smooth, continuous motion. The joint may be pulled or pushed together.
a. A "Come-Along" can be used to seat the CPP Adapter. Positioning "Come-Alongs" at 3 & 9 o'clock is a recommended method for an even, controlled joint assembly. Additional "Come-Alongs" at 12 & 6 o'clock can be used for assembly of larger diameter CPP Adapters.
b. Heavy equipment & machinery can be used to seat the CPP Adapter. Position a large piece of lumber against the end of the CPP Adapter to prevent deformation when seating the adapter with equipment such as a backhoe.

STEP 8
After installing the adapter, verify the gasket is seated properly and has not rolled out of its groove.



a. If the gasket cannot be felt, then the joint is acceptable.



b. If the gasket is felt outside of the groove, the gasket has either rolled or has been cut. The joint will need to be re-assembled with a new gasket.

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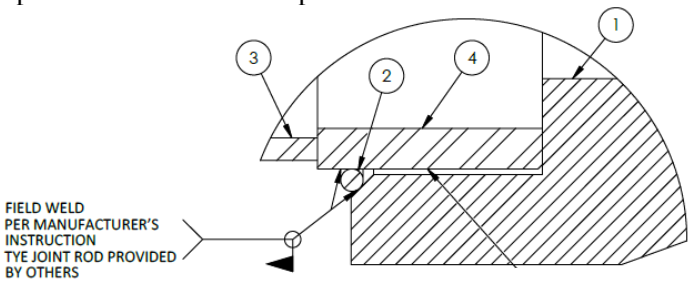
STEP 9

If full joint insertion or integrity is not achieved or restraint is required, it is permissible to place a continuous watertight fillet weld between the Bell and Spigot (filler rod material can be used to help fill annular space between Bell lead-in and Spigot). Refer to the "Concrete Pressure Pipe Repair Guide" by the American Concrete Pressure Pipe Association on weld procedure details.



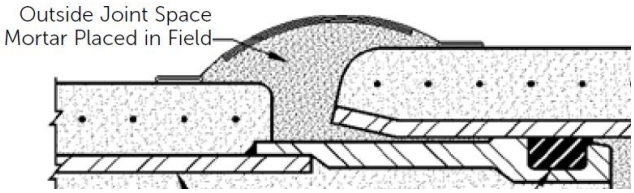
Item No.	Description	Material
1	Customer Bell/Spigot	Customer Furnished
2	Rod	Customer Furnished
3	Body	A283C Carbon Steel
4	Bell/Spigot	A36 Carbon Steel

STEP 10

Once proper joint integrity has been achieved, the connection can now be made from the Smith-Blair CPP Adapter to the new pipe section.

STEP 11

Before backfilling, the CPP joint ring area will require closing off from the surrounding backfill to prevent corrosion of the joint. This can be achieved with the wrapping of a "diaper" and a thin-set mortar.



Alternatively, an AWWA C217 petrolatum product(s) can be used to seal off all exposed steel at the joint ring area from potential corrosion.

**Use a non-petroleum based pipe joint lubricant approved by the pipe manufacturer and water supplier.*