The Company with Connections

CUSTOM MADE FIBERGLASS HOLDERS FOR CONNECTORS

FIELD SLEEVES For Curved or Flat Wall Structures

**FIELD SLEEVE INSTALLATION**

**FIBERGLASS FIELD SLEEVES**

An alternative method to cast a watertight connector into a concrete structure. They can be used in the plant or poured in place in the field. Each field sleeve is custom built to fit a particular structure that will fit any size of our connectors.

**CONNECTORS**

Our field sleeves can be used with the following connectors:

- A•LOK STM
- Z•LOK
- Z•LOK STM
- Premium
- X•CEL
- Quik•LOK
- Septic Seals

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**Pour in Place**

**A-Lok Field Sleeve Installation Instructions**

**Figure 1**

Fiberglass field sleeve wall

Larger size field sleeve with struts

Size req’d. to fit field sleeve I.D.

**Figure 2**

Nail or lag bolt holding field sleeve to cross.

**Figure 3**

Wooden cross

**Figure 4**

**Figure 5**

Pipe installed in A-Lok field sleeve

**Step 1.**

A wooden cross must be built and fastened to the form work to secure the sleeve and preventovation during the concrete pour. Cut 2 pieces of 2x4 as shown in Figure 2 to fit inside sleeve. Mark desired pipe location on form wall and nail or lag bolt cross to mark.

**Step 2.**

Place sleeve on cross and secure remaining form work as shown in Figure 3.

On sizes over 15” use preinstalled struts to attach to form and position flat part of field sleeve on bottom towards outside of structure.

**Step 3.**

Pour, cure and strip in normal fashion.

**Step 4.**

Remove all remaining wood inside field sleeve, Figure 4.

**Step 5.**

Installed pipe, Figure 5.

**Warning**

Because of the A-Lok connectors ability to insure a flexible, watertight joint, it is our strong recommendation that no mortar be placed around the connector at all on the outside of the structure and that no mortar be placed around the top half of the connector on the inside when completing the invert work. The use of mortar in either of these areas would eliminate the flexibility for which the connector is designed, and cause problems of shear.
STEP 1: Confirm that pipe surface is smooth, clean and free of foreign materials, chips, gouges and form seams due to manufacturing or handling. Slightly bevel any sharp or blunt edges caused by the cutting of the pipe.

STEP 2: Lubricate the connector and the entire section of the pipe that will be inserted into the connector. The chart below lists A-LOK’s minimum lubrication length “L”.

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MIN. LUBRICATION LENGTH “L”</th>
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<tbody>
<tr>
<td>4’ - 15’</td>
<td>12’</td>
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<tr>
<td>16’ - 18’</td>
<td>18’</td>
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<tr>
<td>21’ &amp; Larger</td>
<td>24’</td>
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</tbody>
</table>

WARNING: To insure the A-LOK X-CEL Connector remains a flexible watertight connector, it is A-LOK Products, Inc. strong recommendation that no mortar be placed between the pipe and wall of the concrete structure. The use of mortar in this area would decrease the effectiveness of the connector to compensate for shear caused by settlement or ground movement.

NOTE: To determine the sub-grade from the invert of the pipe, measure from the outside base of the structure to the junction of the connector and flat spot. Then add the wall thickness of the pipe plus 1/4 inch.

CAUTION: When installing pipe stubs for future pipeline installation, all stubs must be properly restrained to prevent any movement other than the A-LOK X-CEL Connector.

STEP 3: Center the pipe and connector square to each other and insert the pipe into the connector using a bar or back hoe depending on the size. Once the pipe is coupled with the connector, deflect the structure or pipe to achieve the proper angle.

Z-LOK CONNECTOR PIPE INSTALLATION INSTRUCTIONS

STEP 1 Clean and lightly lubricate Z-LOK and all of pipe to be inserted in Z-LOK.

STEP 2 If pipe is cut, care should be taken to allow no sharp edges. Bevel and lubricate lead end of pipe.

STEP 3 Center pipe and insert.

STEP 4 After inserting pipe, it is important to fasten stainless steel band with torque to 60 in. lbs. directly behind inner rubber “O” ring. This should be done prior to any annular deflection or backfilling takes place. Pipe bedding on outside of manhole is critical as non-rigid pipe may ovate if not bedded properly.

WARNING
To insure the Z-LOK connector remains a flexible, watertight joint, it is our strong recommendation that no mortar be placed between the pipe and the wall of the precast concrete unit. The use of mortar in this area would eliminate the flexibility for which the connector was designed, and cause problems of shear.

CAUTION: When installing pipe stubs for future pipeline installation, all stubs must be properly restrained to prevent any movement.