

LHP-200

LYCO[®] Hydraulic Press

Installation Procedure For LYCOFIT[®] Fittings

Important:

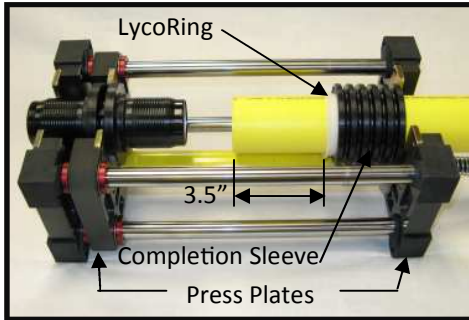
1. Lubricate **LHP-200** shafts with **non** synthetic lubricant (e.g. 3in1 oil) **ONLY**.
2. **DO NOT** apply lubricants to the fittings, spigots or sleeves.
3. When installing a fitting to repair a pressurized pipe, insure that the area of repair is isolated from the pressure supply before cutting the PE pipe.
4. The **LHP-200** is intended for installing **LYCOFIT[®]** fittings only.
5. **LYCOFIT[®]** fittings are designed to be installed only on O.D. controlled Polyethylene (PE) pipe made per ASTM D2513 & ASTM D2619. Examine the pipe print line and fitting labels and install fittings only to pipe with the correct size designation and wall thickness/DR.
6. If the installation is for use in Natural Gas pipe lines, pressure test each assembled joint in compliance with minimum requirements as specified in **D.O.T. CFR Title 49 Part 192, Sub Part J**.

Scope:

1. These instructions cover the use of the **LHP-200** to install **LYCOFIT[®]** fittings using LycoRing[®].
2. The **LHP-200** Lyco[®] Hydraulic Press is for installation of **LYCOFIT[®]** 1-¼ IPS, 1-½ IPS & 2 IPS size fittings, field assembled transitions and Lyall risers with optional **LYCOFIT[®]** connections.
3. The **LHP-200** requires a hydraulic source to operate. The AHP100 (ENERPAC[™] P142) is available through Lyall as a hand pump source for operating the **LHP-200**. Other hydraulic power sources (e.g. ENERPAC PA-133) with an output greater than 5500 psig may be used. The pump source should be limited to an output of 6500 psig to restrict the stress applied to the tool during installation of the fitting. (ENERPAC pump adjustment instructions are available by request from your customer service representative.)

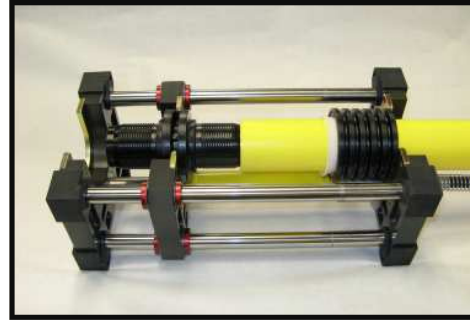
LHP-200

Installation Procedure For LYCOFIT® Fittings Using LycoRing®



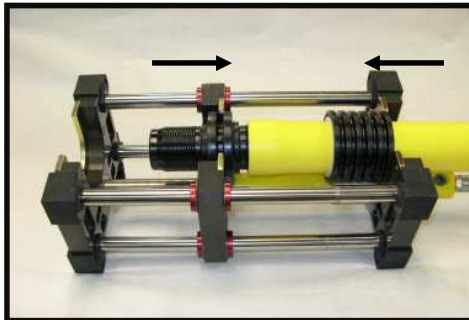
1) Preparing to Assemble First Joint

1. Slide the Sleeve and then **LycoRing®** onto the pipe so that the **LycoRing®** is approximately 3.5" from the end of the pipe.
Note: (Make sure the pipe is reasonably clean)
2. Nest the fitting in the saddle of either press plate.
Note: (Movable press plate shown)
3. Place the tool so that the press plate opposite of the fitting is behind the completion sleeve.



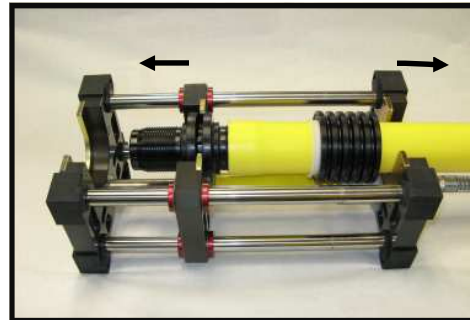
2) Engaging the pipe on the spigot

1. Slide the PE pipe over the nose of the fitting and pump the **LHP-200** until press plate is in contact with the completion sleeve.
Note: Make sure that the completion sleeve engages the **LycoRing®** and that the **LycoRing®** does not slip along the PE pipe.



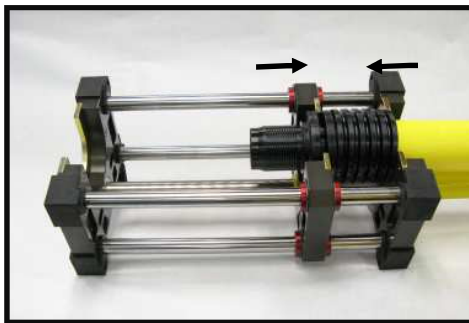
3) Advancing the pipe over the spigot

1. Operate the hydraulic pump to move the press plate and advance the spigot into the PE pipe until the pipe covers the last spigot barb.



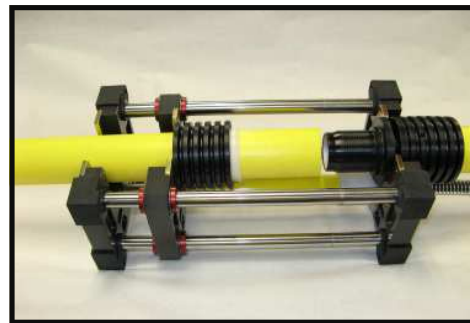
4) Remove the LycoRing®

1. Release hydraulic pressure and allow the jaw to open enough to pull the sleeve back and expose the **LycoRing®** and remove it by pulling the tab.



5) Complete the Joint

1. Operate the hydraulic pump to move the press plate and advance the completion sleeve over the pipe and spigot. Stop pumping when the sleeve face is in contact with the fitting flange.



6) Complete Second Joint

1. To assemble the opposite side of the fitting, fully open the tool and repeat steps 1 through 5.

CUSTOMER SERVICE: 1 (800) 535-9255

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