Instructions for Installation and Removal of Riser Line

General Information

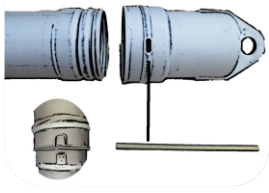
- Check the received goods for visible damage. If you detect any damage, write down on the shipping document or delivery note a description of the damage, the date and the license plate number of the delivering truck. Have the driver sign your copy. Before use but at the latest within 7 working days of delivery, check the received goods thoroughly, including their types and quantities, conformity with your order and hidden damage. Do this well in advance of work at the construction site to avoid unnecessary downtime.
- To install or remove the riser line, a hoisting sleeve and a support clamp are required. (Wooden and stainless steel clamp versions are available.) When installing wellheads, you will also require a hoisting socket. The wellhead must be positioned such that attachment hole of the hoisting socket is located vertically above the riser's centre of gravity. The riser pipes must not be subjected to any bending.
- When storing wooden support bases after use, do so only in dry locations at above-freezing temperatures.

Installation of Riser Line

1.

Using a clean cloth or brush, grease the inside of the hoisting socket. The hole at the end of the hoisting socket permits fastening to the shackle on your crane's lifting cable.

2.

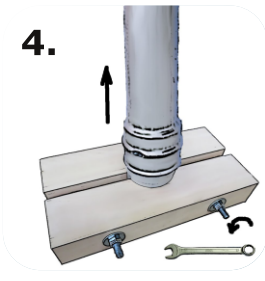


Slide the hoisting socket onto the pump transition or the next riser pipe section, making sure to mate the key and the slot of the anti-twist lock. Complete the connection by lightly greasing and then completely inserting the wire spiral. Lift the pipe over the well. Do not allow the pipe to touch the ground to avoid soiling of the grease applied.

3.

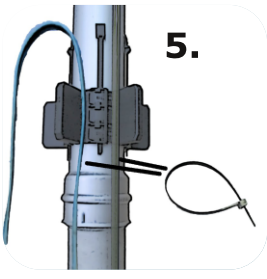
Clean all foreign material off of the jointing surfaces of the connection. Grease the outside surface of the spigot and the inside surface of the socket. Place the "O" ring in the upper groove of the spigot. Then grease the "O" ring. Lower the pipe, again making sure to mate the key and the slot of the anti-twist lock. Complete the connection by completely inserting the retaining wire spiral.

4.



After having inserted the wire spiral, lift the pipeline slightly and remove the support clamp.

5.



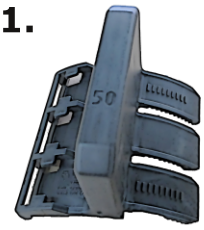
Mount the centering collar above the connection.
Place the pump cable over the wire spiral slot of the collar. Fix the cable above and below the connection with cable ties. Lower the pipe further and fasten the cable and sounding pipe at regular intervals.

6.

Using an open-end spanner or ring spanner, install the support clamp below the connection. Lower the support clamp in a centered position onto the sleeve pipe. Wiggle the hoisting socket briefly and then pull out the wire spiral. Then pull off the hoisting socket and slide it in place on the next pipe section.

Centering Collars

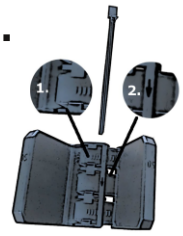
1.



Check for correct dimensions and number of components.
Casing I.D. = 2 x segment height + riser pipe O.D. + approx. 20 mm*
*= tolerance to allow for minor casing displacement.

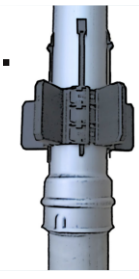
Number of segments and wedge pins
DN50 = 7
DN65 = 4
DN80 = 5
DN100 = 6
DN125 = 7
DN150 = 4
DN200 = 5

2.



Insert the connecting tabs of the segment into the receiving slots of the next segment. Connect the segments by inserting the wedge pin inwards in the direction shown by the arrows. Insert the wedge pin until it is at least even with the lower side of the segments.

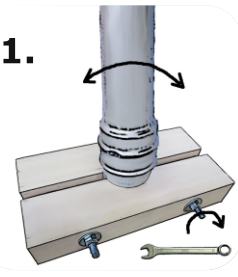
3.



Wrap the centering collar around the pipe and close it using the last wedge pin. Using a nonmetallic hammer or a block of wood, tap in all wedge pins equally firmly until the centering collar is firmly locked in position.

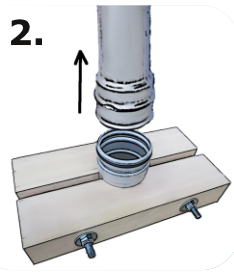
Removal of Riser Line

1.



Use an open-end or ring spanner to install the support clamp below the connection. Lower the support clamp in a centered position onto the sleeve pipe. Wiggle the riser pipe section and then use the wooden-handled removal tool (included in scope of supply) or a wood screw to pull out the wire spiral.

2.

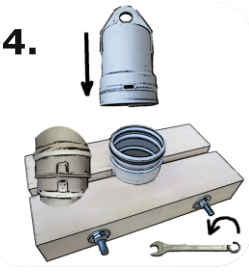


Pull off the riser pipe section and remove its "O" ring. Place the wire spiral and the "O" ring in a suitable container (to avoid soiling). Check all wire spirals for possible damage. Discard any damaged wire spirals. Order replacements before the next use. Discard all removed "O" rings. Use only new "O" rings when reinstalling in order to avoid leakage.

3.

Rest the riser pipe section and hoisting socket on squared lumber blocks or other support surface free of foreign material. Remove the hoisting socket from the riser pipe section. The centering collar can be left in place on the riser pipe section.

4.



Now put the hoisting socket onto the next riser pipe section, again making sure to mate the key and the slot of the anti-twist lock. Complete the connection by inserting the wire spiral. Lift the riser pipeline slightly and remove the support clamp. Now lift the riser pipeline one pipe-section length upwards and repeat these steps 1 through 4.

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15.01.2020