

STEKU INSTALLATION GUIDE

Check the goods for damage. Stainless steel must not be left in contact with normal steel, as it can lead to corrosion of the pipes.



For the installation or removal of the ZSM rising main you will need a lifting eye and wooden or stainless steel bearers.

One wire spring and one sealing O-Ring per connection.

A supply of WRAS Approved Grease

Lifting Sleeve and Wood Bearers

Cable Ties

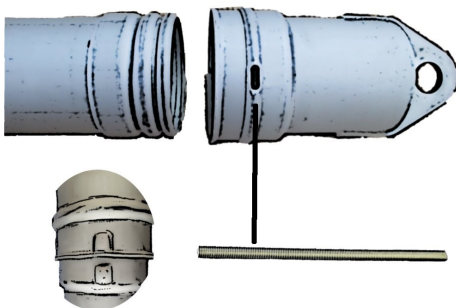
The Borehole must be vertical and risers pipes must be suspended vertically below the wellhead.

Wooden bearers must be stored in a dry area after use.

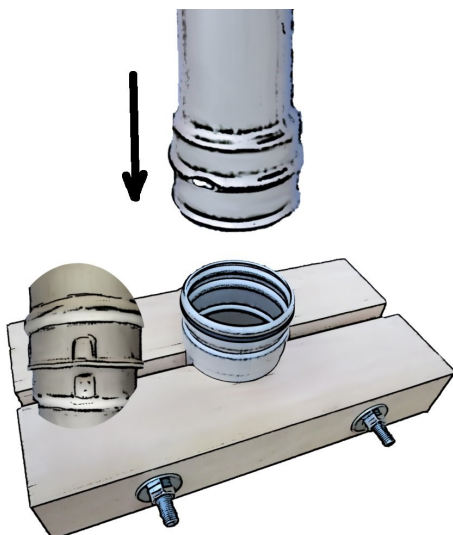
RISER INSTALLATION



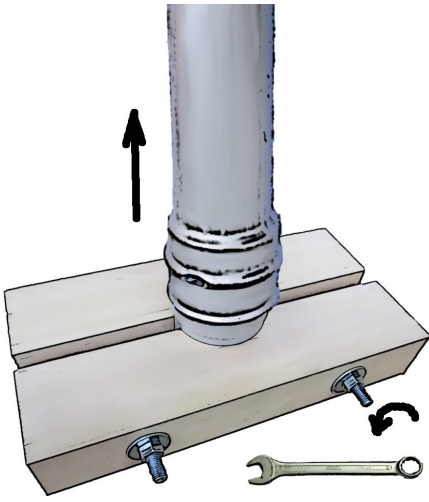
1. Using a clean cloth or brush, grease the inside of the lifting eye. Attach the lifting eye to the crane or hoist using a shackle.



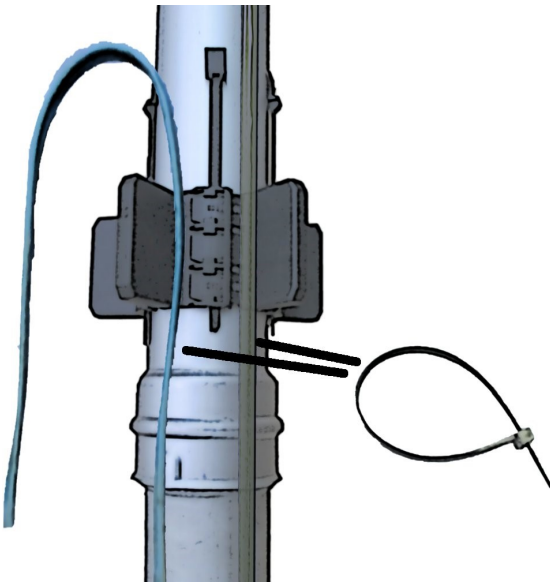
2. Insert the lifting sleeve onto the pump-transition — or to the next riser pipe in sequence — paying attention to the location lug. Complete the connection by inserting the wire locating spring in the slot. Use a little grease. Lift the pipe over the well. Avoid dragging on the floor.



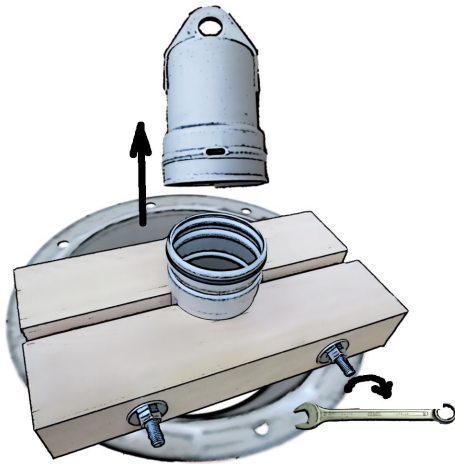
3. Note the male section of the coupling faces upwards. Ensure the coupling is free of dirt. Grease the inside of the female half of the coupling sleeve. Fit the sealing O-Ring to the top groove of the male section and apply some grease. Lower the pipe down paying attention to the location lug position as you do so. Complete the connection by inserting the wire locating spring in the slot.



4. After inserting the locating spring, lift the pipe a little and remove the wooden bearers.

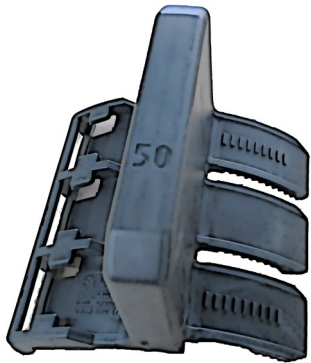


5. Attach the centering Spyder above the connection. Place the pump cable over the locating spring slot. Secure the cable above and below the connection with cable ties. Continue to lower the pipe and fasten the cables at regular intervals.

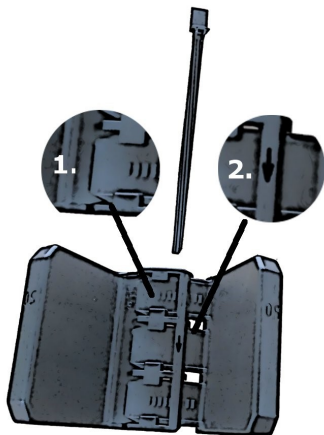


6. Secure the wooden bearers below the coupling. Use a use a spanner to socket to tighten. Place the wooden bearers centrally on the casing tube flange. Remove the securing spring from the lifting eye. Remove the lifting eye and connect the lifting eye to the next pipe section.

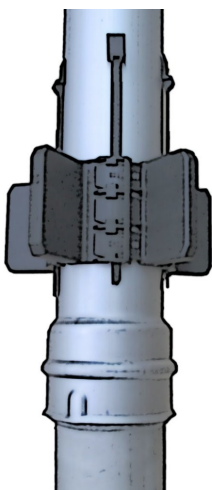
CENTRALISERS (Optional)



7. Check the diameter and number of parts. Diameter =
 $2 \times \text{Segment height} + \text{pipe diameter}$
Number of segments
and wedges
- | | |
|-------|-----|
| DN50 | = 7 |
| DN65 | = 4 |
| DN80 | = 5 |
| DN100 | = 6 |
| DN125 | = 7 |
| DN150 | = 4 |
| DN200 | = 5 |

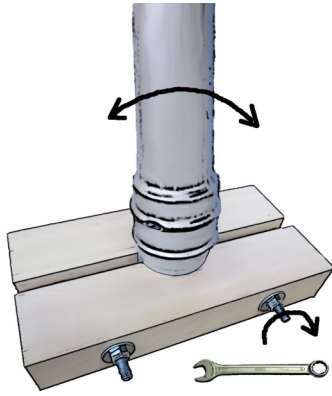


8. Insert the tabs of one segment into the openings of the next segment. Connect both by inserting the taper pin in the direction of the arrow. The taper pin must be inserted at least to the bottom of the centralizer.

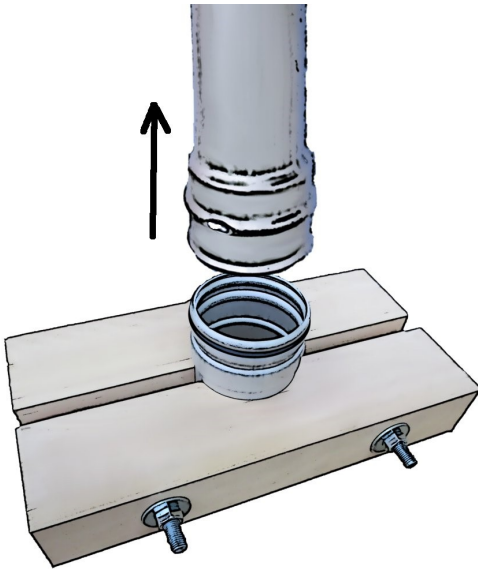


9. Place the ring around the tube and close it with the locating taper pin. Tap in all the pins evenly until the centralizer is firmly seated. Use a plastic or wooden mallet.

RISER REMOVAL

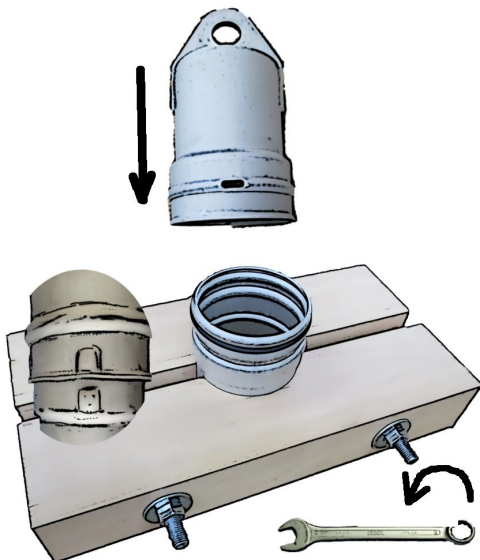


1. Remove the riser pipe and remove the sealing ring. Store the wire spiral and sealing ring in a bag. Check the locating springs for possible damage. To avoid leaks, please use O rings for a new installation



2. Attach the Wooden bundles below the connection. Use a mouth or ring key. Place the wooden bundle centrally on the sleeve tube. Wobble on the riser tube and pull the wire spiral with the help of a wooden handle or a wooden wheel.

3. Place the riser pipes on cantilevered woods and remove the lifting sleeve. The centralizers can remain on the riser pipe



4. Connect the lifting sleeve and the riser pipe using the wire locating spring. When connecting, pay attention to the location lug. After inserting the locating spring, lift the pipe a little and remove the wooden bearers. The riser string can now be raised to the next joint.