

## Technical Pages

A Keyhole Grab Link provides an easy cost-effective method of pump retrieval. The assembly includes the following items:

- 2 ft length of Stainless Steel (SS) lift chain
- SS shackle sized to fit the pump handle & length of chain
- SS wire rope sized to reach the top of the wet well with the pump installed
- Minimum 2 clips & thimbles on each end of SS wire rope
- Keyhole Grab Link with length of nylon cord sized to reach the top of the wet well with the pump installed



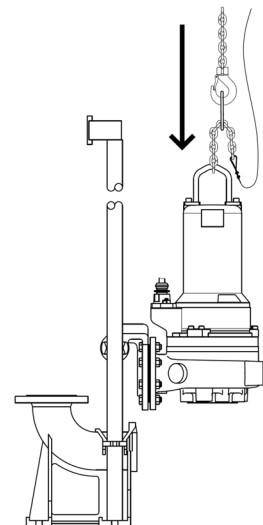
### INSTALLING KEYHOLE GRIP SYSTEM

- Install the shackle and 2 ft length of chain to the pump handle or eye bolts
- Install SS wire rope to the other end of 2 ft length of chain using thimbles and a minimum of 2 clips per end (**DO NOT LIFT PUMP BY THE WIRE ROPE. IT IS NOT SIZED OR DESIGNED FOR THIS USE.**)

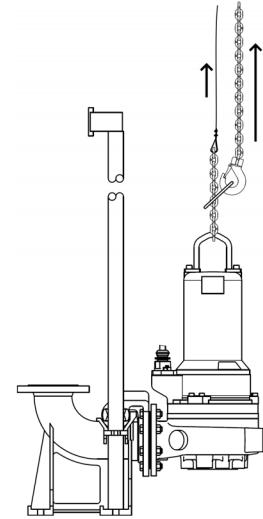


### INSTALLING PUMP

- Thread the Grab Link over the SS wire rope and section of chain.
- Slid a link of chain into the narrow section of the Grab Link.
- Apply a lifting pressure to lock the chain and Grab Link together, this allows the pump to be safely lifted.
- The pump can now be lowered into place.

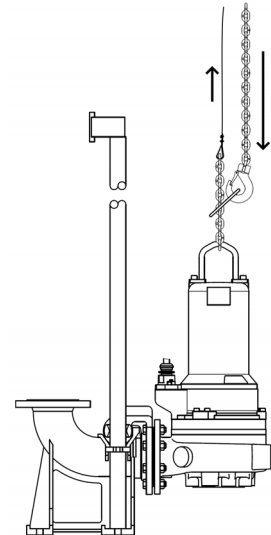


- After lowering the pump, release the pressure on the hoist and pull on the nylon cord attached to the Grab Link. This will disengage the Grab Link allowing the hoist to be lifted back up.
- Remove the Grab Link and hang the SS wire rope on the cable holder bracket.



## REMOVING PUMP

- Attach the Keyhole Grab to the hoist, either directly or with a suitable lifting chain
- By hand, pull up slack in the SS wire rope
- Lower the Keyhole Grab down the SS wire rope with the hoist until it reaches the short length of chain



- Release tension on the SS wire rope
- Lift slightly with the hoist. This will engage the Grab Link into one of the chain links
- Lift the pump out of the well using the hoist

