

INSTRUCTION FOR USE

HYDRAULIC PIPE SQUEEZER



A hydraulic pipe squeeze-off tool allows you to manually / hydraulically clamp polyethylene pipes to temporarily shut off the flow of medium inside a pipeline. When using the tool, follow the health and safety rules.

SQUEEZING

1. Before use make sure that the pipe squeeze-off tool is in the starting position (as shown in the figure), i.e. the top bar is in the upper position or in a position where the clearance between the bars is greater than the diameter of the pipe and the piston is retracted inside the cylinder.
2. Set the end stops on both sides of the upper bar in accordance with the diameter and SDR of the squeezed pipe. The marking of the selected diameter should be at the bottom! Sets of 2 end stops are designed for different pipe Standard Dimension Ratios (SDR). (the purpose of the end stops is to protect the pipe against excessive squeezing)
3. Install the prepared squeeze-off tool on the pipe so that the pipe is between the squeezing bars. The bottom bar swings away to make it easier to fit under the pipe.
4. Use the adjustment knob to pre-set the top bar so that the bottom and top bars are in contact with pipe walls.
5. Close the cylinder release valve using the wrench end of the lever.
6. Begin squeezing the pipe by repeatedly moving the lever (pumping). The operator controls the squeezing speed manually. The squeezing speed is given as a number of lever strokes on the cylinder label.
7. In order to prevent accidental release of the squeezing bars, gradually tighten the securing screws on both sides of the tool.
8. Continue to squeezing out until the end stops come into contact with the lower bar or as described in the notes!
9. Secure the bar position by tightening the securing bolts.
10. If squeezing large diameter pipes (greater than the maximum stroke of the cylinder piston), perform the operation in stages. When the piston is extended all the way, secure the tool with securing bolts, then open the release valve and use the adjustment knob to retract the piston to the minimum position, and then re-close the release valve. Continue squeezing as before.

RETRACTING

1. Loosen and slightly retract the securing bolts.
2. Release pressure from the hydraulic cylinder using the release valve while controlling the retracting speed.
3. Regularly raise the securing bolts.
4. If the pipe diameter is greater than the stroke of the piston, fully retract the piston in the cylinder, lock the position with the securing bolts, open the release valve and use the adjustment knob pull the piston all the way out of the cylinder. Then continue retracting as before.
5. When fully retracted, set the tool to the starting position (as shown in the figure)
6. Remove the squeeze-off tool from the pipe

NOTES:

The end stops provided are designed for squeezing polyethylene pipes without an additional protective casing with Standard Dimension Ratios (SDR) of 11 and 17. If you need to squeeze pipes with other Standard Dimension Ratios or with an additional protective casing, the minimum clearance between the squeezing bars must be equal to double the wall thickness of the pipe and squeeze the pipe without using end stops by manually controlling the gap between the bars!