

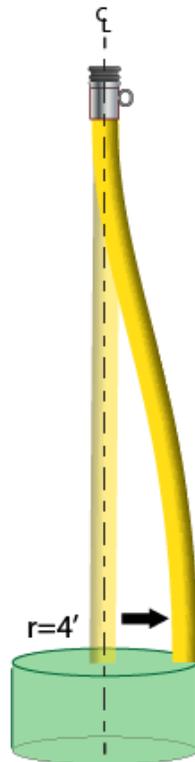
ACPA SAFETY BULLETIN

USE OF LAY-FLAT HOSE

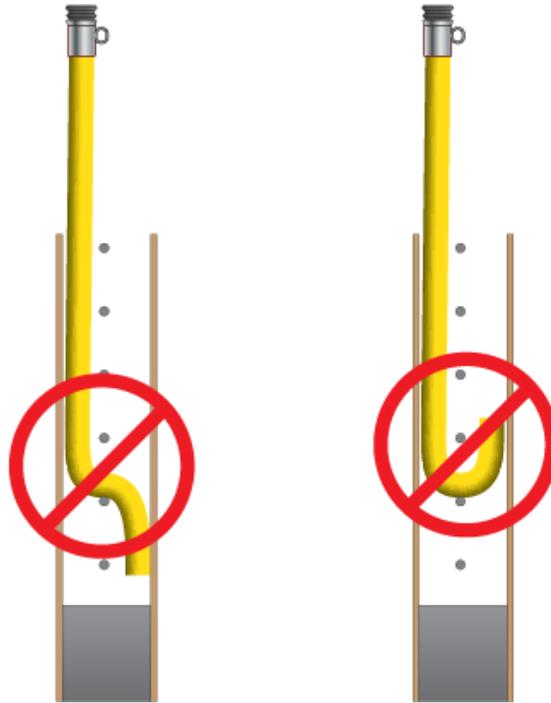
Handling Guidelines

Below is a list of guidelines for members who use lay-flat hoses:

1. Lay-flat hose can only be used as a single-ended tip hose hung vertically.
2. Highest wear points of the hose are within 30 inches of the fitting.
3. Lay-flat hose should be stored in straight lengths and not rolled up.
4. It is advised to check for hose wear daily before the hose is installed.
5. Anytime the inner or outer reinforcement layer is exposed, the hose must be retired.



6. Due to the nature of the design, the lay-flat hose has very little resistance to kinking. The lay-flat hose must be handled so that it is not pushed out of its perpendicular position to the ground. A recommended maximum deflection is a four-foot radius drawn around the hose as it sits untouched. Do not kink lay-flat hose.
7. It is not recommended to prime out through lay-flat hose.



8. Do not weave the lay-flat hose in and out of rebar.
9. When using lay-flat hoses in tight locations such as in-between rebar and down into formwork, caution must be taken. As the pumping volume increases, the hose will tend to expand from its typical flat shape to a round shape. If the spaces between the rebar is less than the stated hose size, the hose may get caught up in the rebar, potentially plugging the hose and getting hung up in the rebar as the hose expands into the rebar grid. If this happens, do not use the boom to pull the hose out of the formwork.
10. The guideline for the minimum rebar opening for lay-flat hose is the following:
 - i. Four-inch lay-flat hose – 4" x 6" grid
 - ii. Five-inch lay-flat hose – 5" x 7.5" grid
11. Do not allow the hose to become embedded in the concrete.
12. Because of its light nature, it is assumed a longer hose can be used on a given piece of equipment. Always follow the tag instructions on the placing equipment for maximum hose weight. Do not exceed this weight.
13. Do not pump back into the mixer through the lay-flat hose due to the potential of kinking.
14. Do not use compressed air to clean a lay-flat, or any hose.
15. Follow standard practices for priming the pump. The operator should have all personnel move a reasonable and prudent distance from the discharge hose.
Reference <https://www.concretepumpers.com/content/safety> article - *ACPA Safety Bulletin Hose Whipping Part II*.