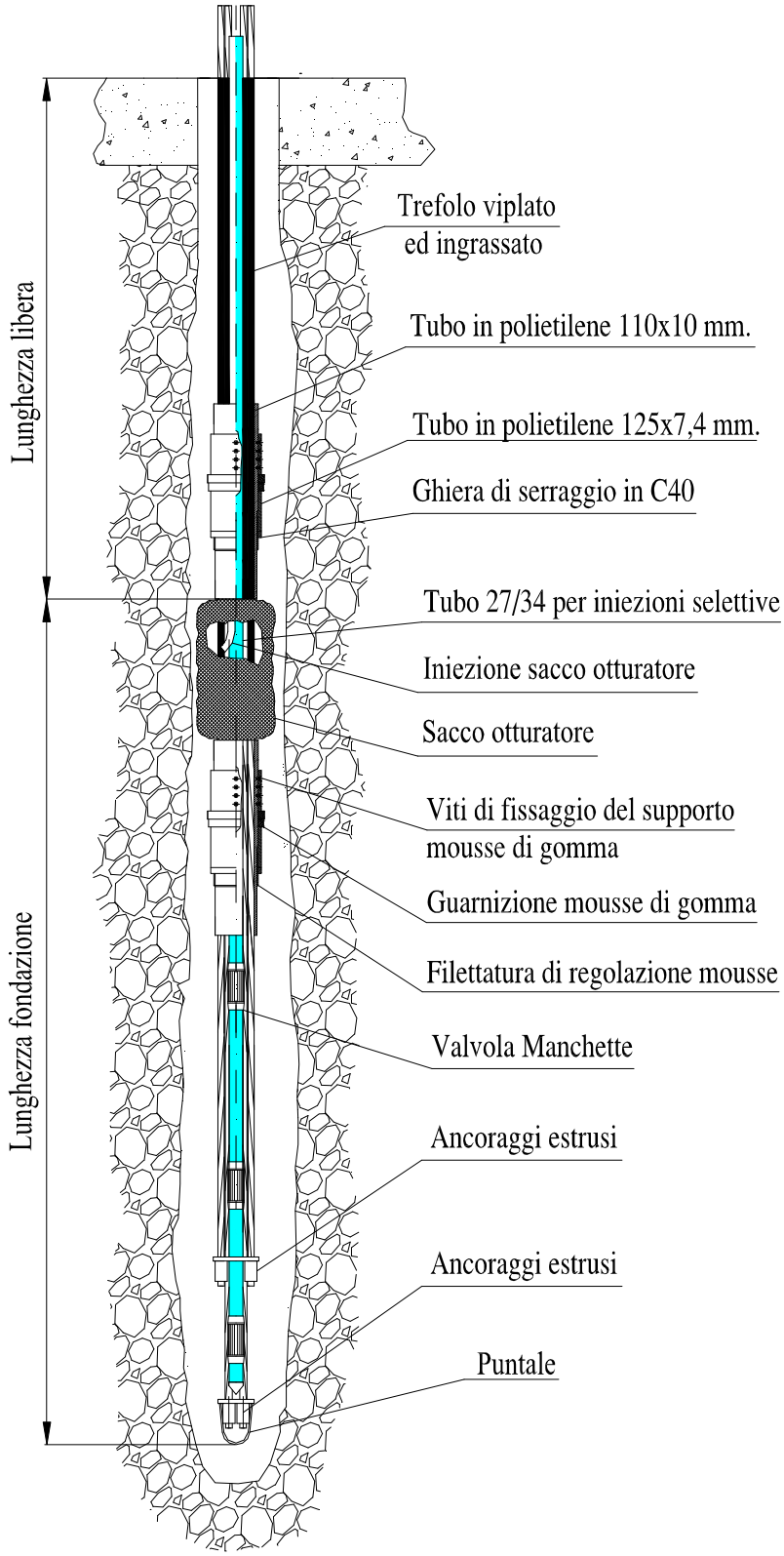
8.12 TPR-20 temporary ground anchors

***Temporary TPR-20** anchors are usually used in the construction of bulkheads and diaphragms, where the type of ground has particular geo-technical problems in the presence of strata under pressure and where the containment of hydraulic pressure is required during the installation.*

The anchor is made as follows:

- *In the active part, the strands are separated by special spacers which guarantee the tendon to maintain a sinusoidal shape. By means of suitable strapping and/or taping, the sinusoidal shape of the tendon increases the adherence with the foundation cement mix. Grouting takes place via a 16x20 mm polyethylene tube. (Primary and free length) grouting is carried out via a **valvate 27/34** tube provided with manchette valves **(I.R.S.).***
- *The end part of the anchor is provided with a steel ogive to ease its insertion into the drilling hole.*
- *The free length is protected by greasing and sheathing each single strand, and by inserting proper gaskets on the external part to ensure the removal of the drill rod and sealing from groundwater under pressure at the same time.*
- *All anchors are provided with packer to ensure the obstruction against the leakage of groundwater when the drill rod is totally removed.*



*The **TPR 20** anchor is provided with a mechanical preventer for stratum applications, it allows I.R.S. repeated and selective groutings.*