

8.10 **TPR-18 temporary ground anchors** (Multi-bulb temporary ground anchor)

Temporary TPR-18 anchors are usually used in the construction of bulkheads and diaphragms, where the type of ground requires to increase the adherence of the bulb by transferring a homogeneous rectangular strength to the ground and not a triangular one as with common anchors.



TPR 18 temporary ground anchor

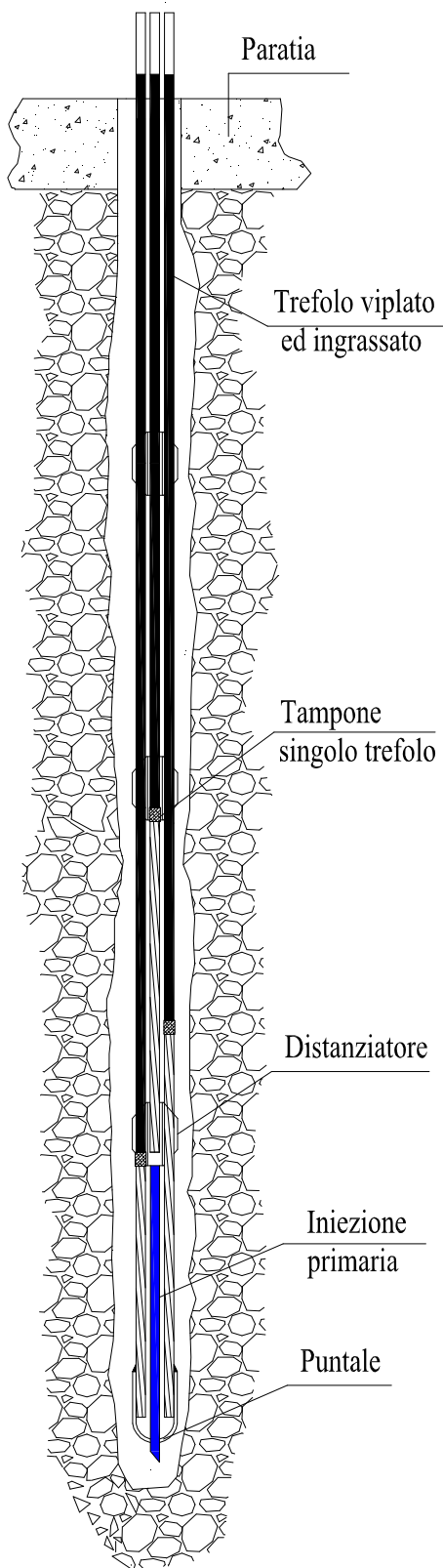
In **temporary TPR-18** l ground anchors the foundation is provided with devices that increase the adherence to the drilling hole. This anchor has the following advantages:

- reduction of the anchor length by reducing the foundation length,
- reduction of the length of drilling holes,
- easy to install,
- high adherence, obtaining a rectangular strength transmission,
- tendon saving by adopting the system of differentiated strands.

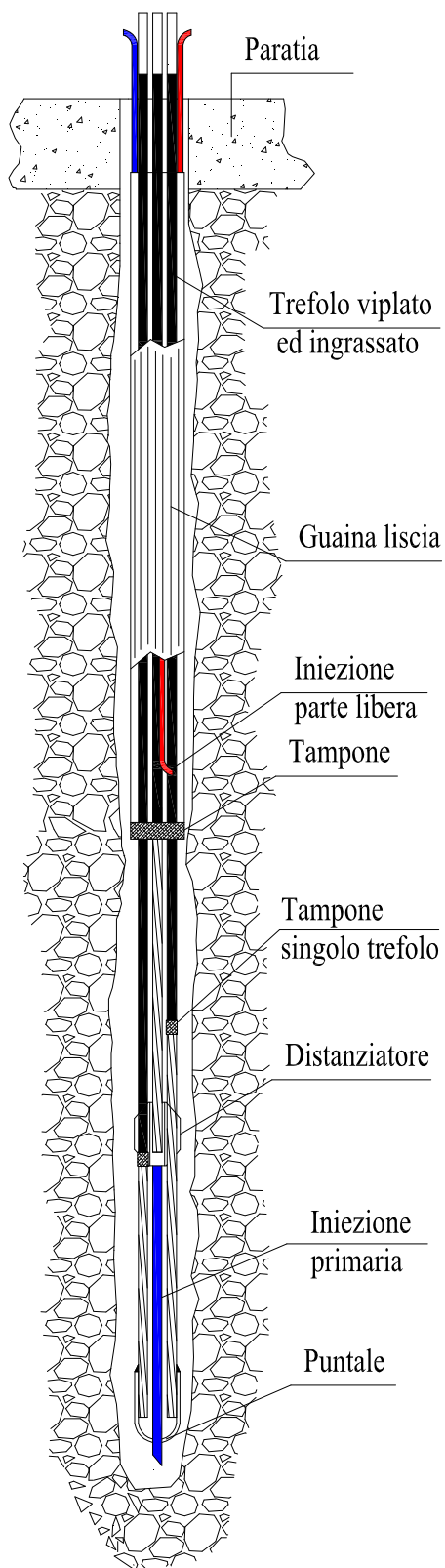
The anchor is made as follows:

- **TPR-18** anchors are made of harmonic steel protected on the free length by a corrugated sheath in P.H.E.D. and grease. The separation of the free length from the active part is achieved by way of a sealing strand by strand of sealing material, which allows strand and 16x20 P.H.E.D. mm tube to be perfectly hermetic, according to the instructions of the “**Client's Technical Representative**”
- On the foundation (bulb) strands have different length thus making a multibulb to offer the anchor a higher adherence than normal bulbs.

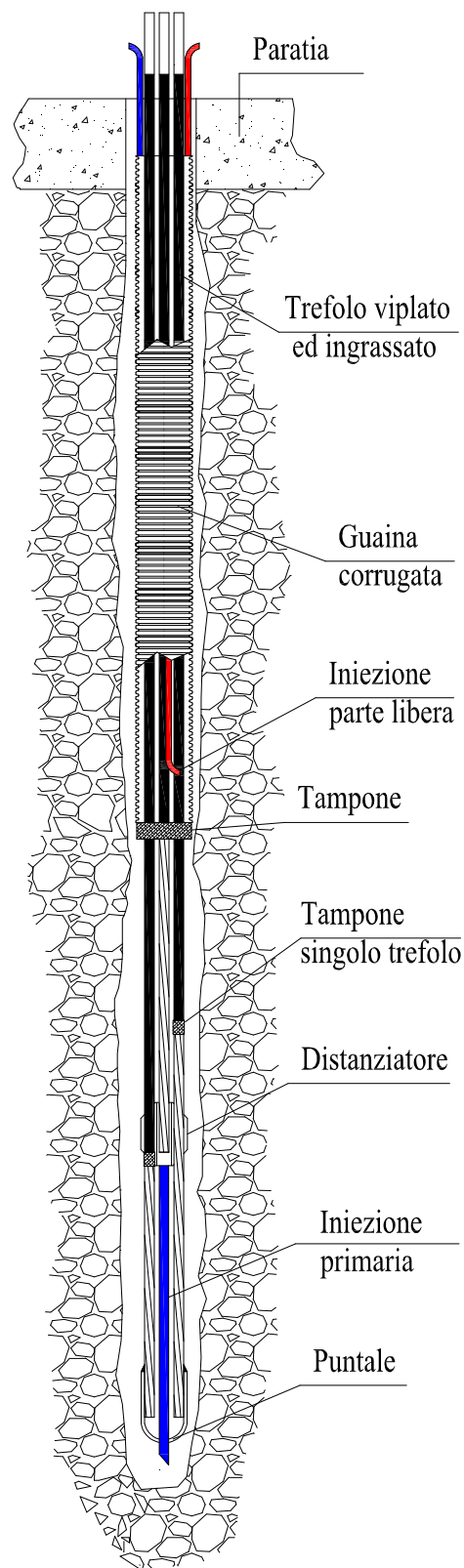
Diagram of the TPR-18 temporary ground anchor



TPR 18A ground anchor



TPR 18B ground anchor



TPR 18C ground anchor