

Fundex, specialist in the field of (deep)fundations

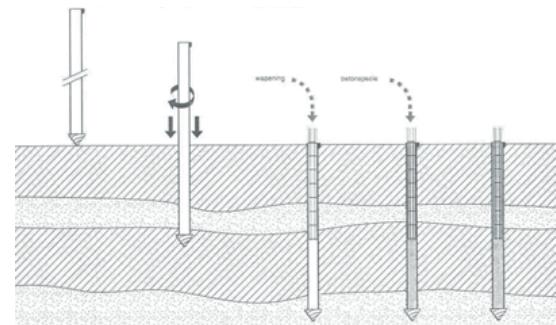


Tubex® pile with grout injection

Vibration-free, soil-displacing concrete pile with permanent steel tube, screwed to depth with the addition of grout injection.

Method:

- A steel pipe, equipped with a welded steel drill tip, is placed on ground level;
- The pile is screwed to depth, with the addition of a grout mixture, by applying an axial pressure and a torque;
- When the desired pile tip level is reached, the pile is installed;
- The rig can be moved to the next post location;
- In a later phase, the steel tube is burned off at the exact height;
- The reinforcement is placed in the tube;
- The tube is filled with concrete;
- The pile is now constructed.



Tubex® pile with grout injection

Advantages:

- Vibration-free and 100% ground-displacing (no relaxation of the ground or reduction in cone resistance)
- No risk of damage to adjacent plots during the manufacture of the pile;
- A very large load capacity is permitted;
- Extremely suitable for absorbing large compressive and tensile forces, moments and limiting deformations;
- No noise pollution, such as pile driving or vibration. The only noise is the motor of the drill;
- No soil drainage. Soil is pushed away sideways;
- Applicable in almost all soil types.
- Applicable in areas with limited height or space.
- Possibility to drill through masonry, unreinforced concrete and existing wooden piles.

Interested?

On our website you will find an overview of the expertise that Fundex has built up over the past 70 years.



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