

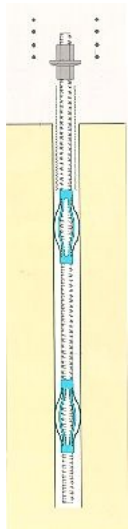
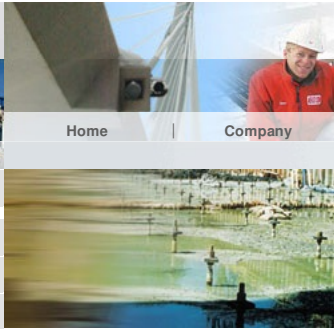




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## GEWI® - Piles

### System Description

The *GEWI*® Pile represents the consistent development towards minimizing the diameter while maintaining a high bearing capacity. It convinces by its simple design. Core of the pile is the *GEWI*® with hot-rolled continuous thread deformations on both sides, the coarse *GEWI*® Thread. The grout body encasing the steel provides Standard Corrosion Protection, enables the force transfer into the rock or soil and stabilizes against buckling in weak soil layers.

The *GEWI*® Pile system is also very suitable to be used as Micropiles. The *GEWI*®-Coupler Splice allows splicing of the *GEWI*® Bar at any point and the reconnection of the micropiles to piles as long as necessary.

#### The *GEWI*® Pile combines a multitude of advantages

- The small drill hole diameter allows economic drilling methods. Drilling through hard obstacles and bonding rock is easily accomplished.
- The stress strain curve shows high ductility at high strength required for shear deformations and seismic loads.
- Compression and tensile loads, also alternating loads, can be transferred into the underground by skin friction along the grout body.
- Compared to conventional drilled piles, the *GEWI*® Pile has a greater elasticity. A combined load transfer by *GEWI*® Pile and foundation slab may be chosen when the economic conditions so warrant.
- Continuing settlements of a structure can be stopped by preloading *GEWI*® Piles.
- The *GEWI*® Bar as a centrally located bearing element allows the installation of a Double Corrosion Protection System, unique in the pile technology.
- The coarse *GEWI*® Thread guarantees maximum bond between *GEWI*® Bar and cement grout with uniform bearing behavior.
- The continuous coarse *GEWI*®-Thread allows *GEWI*® Anchorages and *GEWI*® Splices at any given point.

**i** Subject to modification.