

Terramek.com

The **Only** Safe Foundation
Drilling System

SOIL REPAIR SYSTEM

WSRS

Water Soil Repair System

- the only DTH system - repairing the soil

Water drilling RD400 WSRS



Södertälje sluss & channel – traditional drilling not possible & works halted

- Terramek Introduced Water drilling with **WSRS RD400**
 - Pile wall piling & repairing damaged soil & measured & proven
 - No danger to utilities & buildings & unstable slope
 - No overflushing of the drill hole – measured & proven

NYA SLUSSEN - Stockholm

Water Drilling – only approved method for piling



Nya Slussen

- No more overflushing of the bore hole.
- No more ground movements due pressurized air.
- No more shock waves to adjacent building & utilities.
- No more risks drilling close to ground based foundations & old bridges etc.



No other drilling system repairing the soil exist.



TEX WSRS – Contaminated soils flushing

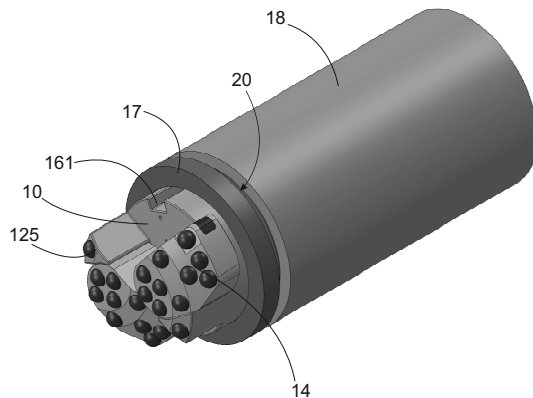


Fig. 4

1. Fluid operated exhaust fluid is guided mainly to bit face for flushing. Exhaust over pressure limited to relief through channels to inside of casing tube.
2. Exhaust fluid is mixed with sand and cuttings coming upwards along casing or filling cavities in soil curing the soils – Only drilling technology curing the soil.
3. Ground pressure can be limited to levels ≤ 2 bar.
4. Naturally normally ground is exposed to no pressure.
5. THE ONLY SOIL IMPROVENT SYSTEM

WSRS

Contaminated
soils



WSRS

Soil Repair System

1	System is primarily filling any and all cavities in soil – CURING THE SOIL.	Flushing pressure is limited to counteract that of the soil. This normally is just about one bar..
2	As soon as soil is cured flushing return to OD of casing. If hole diameter increases – water velocity decreases simultaneously making it impossible to over flush the drill hole.	Only system that can not overflush a drill hole. SRS only removes volume of installed tubing out of soil thus improved quality of it.
3	ZERO readings in hazardous contaminated soils – safe to personnel	SRS is the fastest casing drilling system yet with absolutely minimum of disruption.

