

SingleWall and DualWall CoreBarrel



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Do you need:

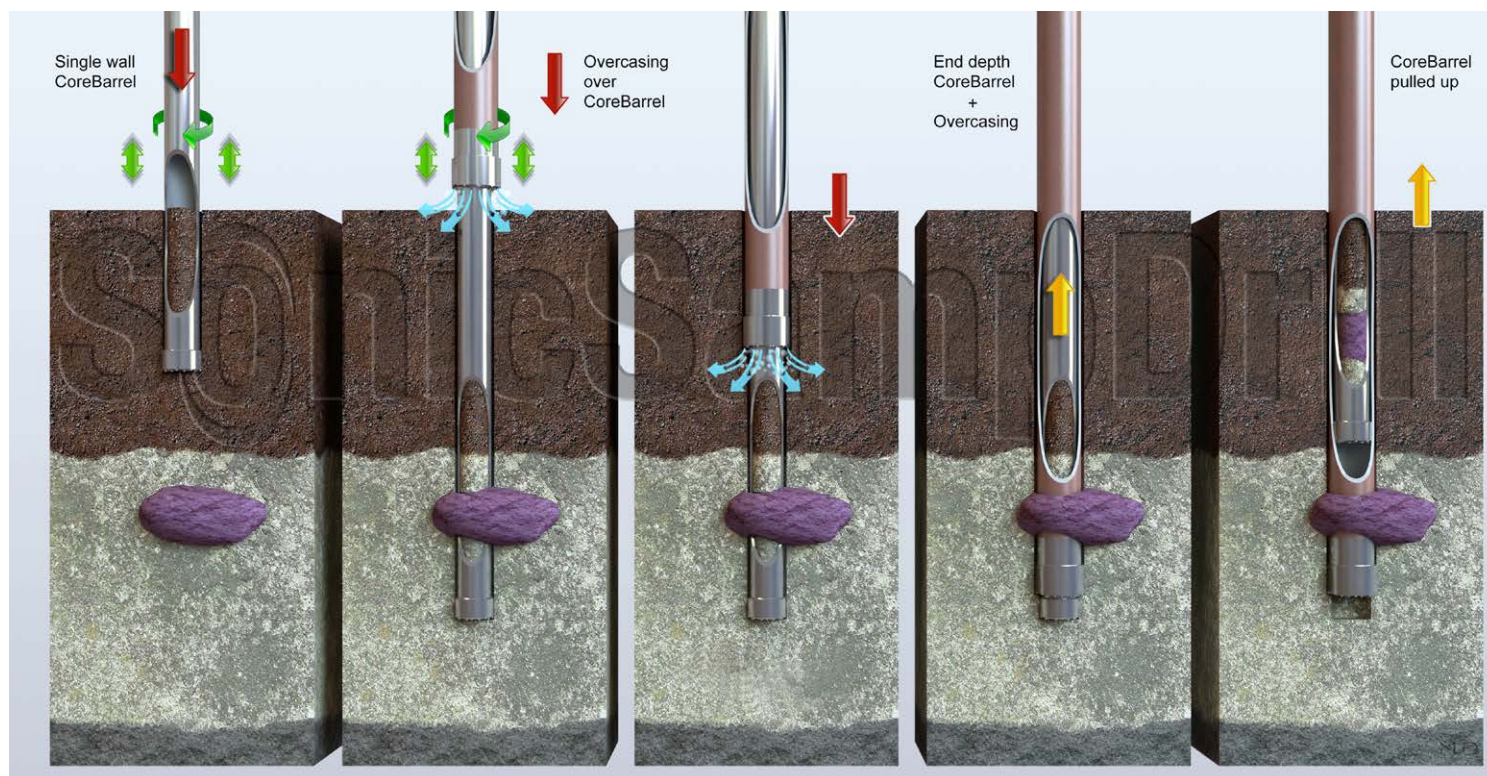
- High recovery rates and large diameter samples?
- High speed sample production?
- High quality samples of mixed geology?
- Samples with low disturbance, even from coarse sand?
- Samples taken from difficult types of rock?

Sampling hard formations

With other formations than sand, loam, peat or clay, our CoreBarrel is the right choice in combination with our sonic rigs. You combine vibration with rotation to allow the tungsten carbide-buttoned coring shoes to cut through the harder formations.

How does it work

SingleWall



You can use the SingleWall and DualWall CoreBarrel for:

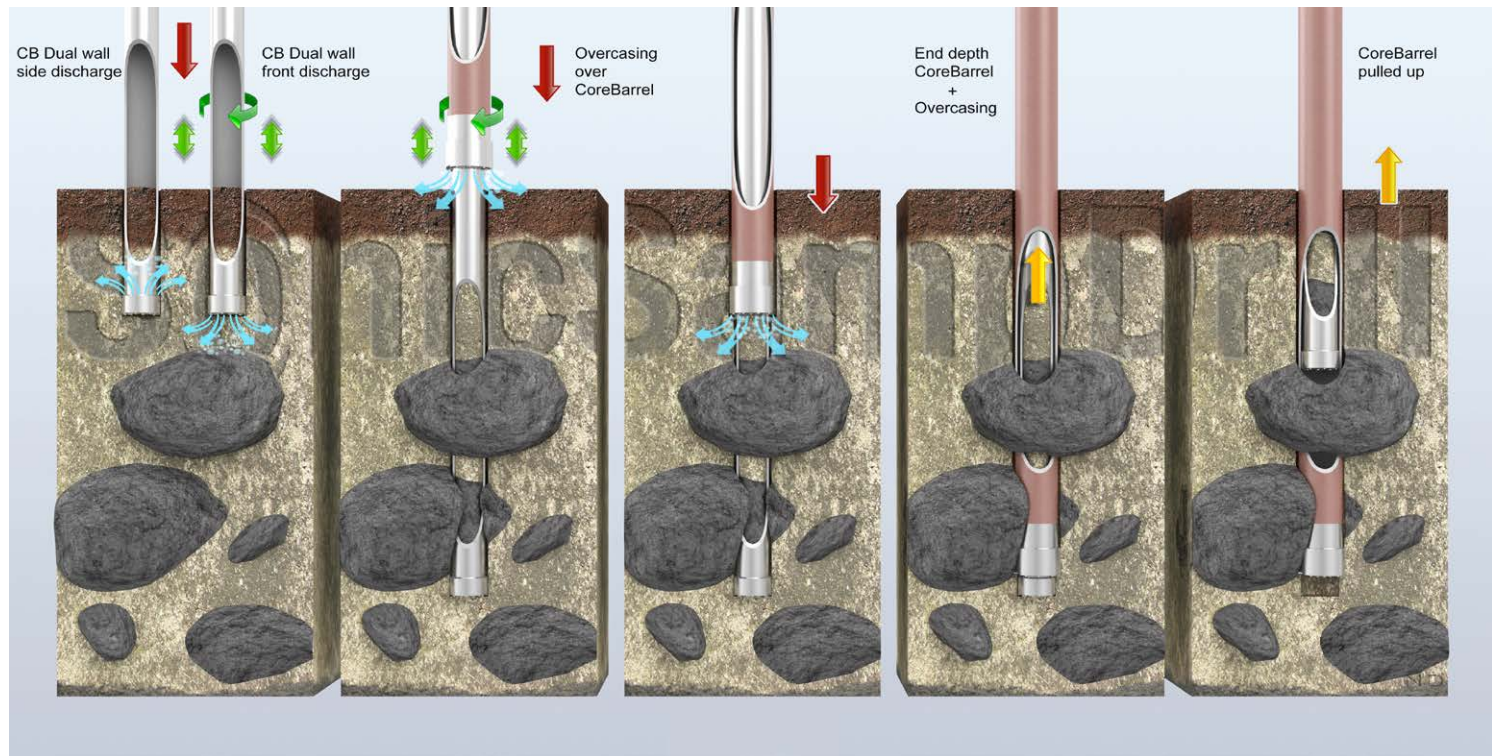
- **Environmental sampling:** You can accurately and rapidly locate impermeable layers, describe an undisturbed soil profile and take sub-samples for physical and chemical analysis.
- **Foundation research:** You can take cost-efficient and accurate samples with A3/B3 (ISO 22475-1:2006) quality to large depths.
- **Remediation drilling, well installations and cold-heat exchanging systems:** In one run you can take a sample for profile description and if required, install a well.
- **Archaeological sampling:** You can rapidly take samples of a large area in a dense grid on archaeological remains.
- **Off-shore sampling of water bottoms:** In highly mixed geology, you can take long, practically undisturbed cores.
- **Pre-investigation of dewatering projects:** You can do very rapid soil profiling, followed by the installation of a well if required.
- **Mineral sampling:** Highly productive soil sampling in mixed geology with accurate layer thickness analysis and sample composition.

Sampling rock

The DualWall CoreBarrel is designed to take cores from rock and very hard layers. This type of CoreBarrel allows you to core and flush at the same time. The flushing medium does not damage or flush the sample itself, because the medium is flushed through the annular space. The CoreBarrel is available with side and front discharge bits. It has proven to provide excellent samples in hard overburden, mixed rock layers and bedrock.

How does it work

DualWall



Extremely straight boreholes

The sonic drilling method creates an extremely straight borehole, making it an optimal technology for the installation of instrumentation and monitoring equipment. Drilling contractors use sonic technology to install inclinometers that monitor the formation and help mining operators to know whether the ground is subsiding or moving, so they can predict dam failure before it occurs.

CoreBarrel specifications

	SingleWall	SingleWall	DualWall	DualWall
CoreBarrel	3"	4"	68	89
Sample diameter	76,2 mm	101 mm	65 mm	89 mm
Sample length	2 m	2 m	2 m	2 m
Core catcher	yes	yes	yes	yes
Casing size	5,5"	6,5/8"	5,5"	6,5/8"



What do others say about the SingleWall and DualWall CoreBarrel?

Theo Berkhout, Boskalis, Surinam:

"We were searching for a supplier of sonic rigs. Royal Eijkelpkamp stood out because of the innovative approach of this drilling technique. We purchased the CompactRotoSonic crawler, AquaLock system and DualWall CoreBarrel. In combination with sonic drilling, the DualWall CoreBarrel offers us the possibility to sample in harder formations like weathered rock.

With a minimum of flushing agents, we get maximum recoveries at an unsurpassed drilling speed! Royal Eijkelpkamp people make sure you get the very best solution for your specific drilling challenges. Their technique is very progressive and we are happy with the results of our rig."



For more information on demos, pilot projects or personal advice contact our sales department !

For urgent service calls and/or technical information contact or special service telephone: +31 313 800 967

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