

A clear case for much improved Core Presentation

Core recovery is the most important factor of all



“Set to become industry standard”

Geotechnical Consulting Engineer

“Coreline will revolutionise the core drilling industry”

Major Geotechnical Contractor

The principal behind the development and manufacture of the **Coreline™** tube is to have an exact, close tolerance, rigid, clear tube, sufficiently pliable for safe handling, to allow the rapid extrusion of sticky, broken or soft formation cores in their exact in situ state.

The main benefits are:

- The **Coreline** system can be used on virtually any double tube corebarrel – conventional or wireline.
- It immediately converts it to a triple tube corebarrel for a fraction of the cost normally incurred.
- The **Coreline** system gives complete, in situ core samples. No disturbance or damage is possible in core extraction or transportation to your laboratories yet it allows the geotechnical engineer or geologist to immediately inspect the core on site.
- Corebarrels using **Coreline** require special core lifters and special dimension core bits only, be they diamond or tungsten set. We have them in stock.
- Sheer simplicity to use. Safe handling. User friendly.
- Considerably reduces wear and damage to corebarrels – no longer needing to be stripped down each run. Clients report a three fold increase in corebarrel life.
- Major time saving advantages in core removal. To empty a full corebarrel and prepare again takes no more than five minutes. Clients report frequently up to thirty per cent greater production per shift.
- Never yet added more than three per cent to a contract cost, compared against a conventional system, yet gives considerable benefits to the client, contractor and drill crew alike.





The selection of the core bit is most important. So often a sawtooth diamond bit or standard tungsten core bit are used. In sedimentary formations – sandstone, siltstone, mudstone and general coal formations they are excellent, inexpensive and should be used. However – we consider their cutting action much too aggressive in the weaker, softer formations.

Our new 'Taper Tungsten' design has proved itself as a very fast cutting core bit, giving superb core in massive, cohesive formations such as clays, chalk, mudstone etc.

Even this bit can be too aggressive at times, and then the low torque, 15-25 spc, diamond core bit should be used. These can be face or internal discharge, semi round or pilot profile. The results speak for themselves.



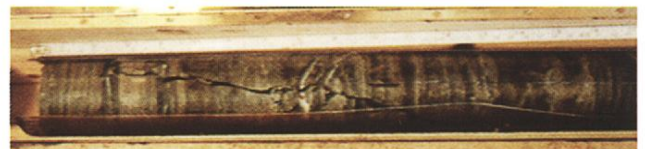
- Dense sand and stiff clay. Drilled by our surface set diamond core bit, with Coreline.



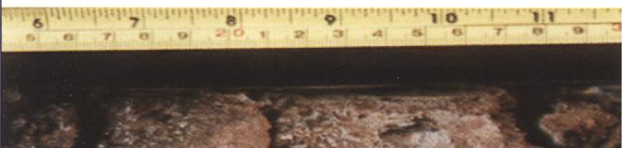
- Stiff boulder clay with gravel inclusions. Drilled by our surface set diamond core bit, with Coreline.



- Mudstone and keuper marl. Drilled by our surface set diamond core bit, with Coreline.



- Grey marl/mudstone fracture. Drilled by our surface set diamond core bit, with Coreline.



- Very soft clay and made up ground. Note finger indentations on right hand side. Drilled by our Taper Tungsten core bit, with Coreline.



- Core recovery and presentation like this should never be accepted.



- Keuper marl, gypsum, clay cored and presented as it should be. Drilled by our Taper Tungsten core bit, with Coreline.

We hope these photographs show what can be achieved. They were all drilled with a standard 412F corebarrel.