

Build on us



Soletanche Bachy is a world leader in foundations and soil technologies, operating in 60 countries via a network of 80 subsidiaries and branches. The Group delivers the full range of geotechnical processes and provides innovative, effective solutions as either a lead or specialist contractor for turnkey projects with a geotechnical focus or specialist works.



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Electric Compact Hydrofraise® with Grippers

Electric Compact Hydrofraise® with Grippers

Soletanche Bachy's solution for diaphragm walls in hard ground, with zero CO₂ emissions and very low noise impact

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Electric Compact Hydrofraise® with Grippers



Electric Compact Hydrofraise® with Grippers

A more environmentally-friendly solution for diaphragm walls in hard ground

Since its invention by Soletanche Bachy in the 1970s, the Hydrofraise® has become an iconic machine for diaphragm wall excavations.

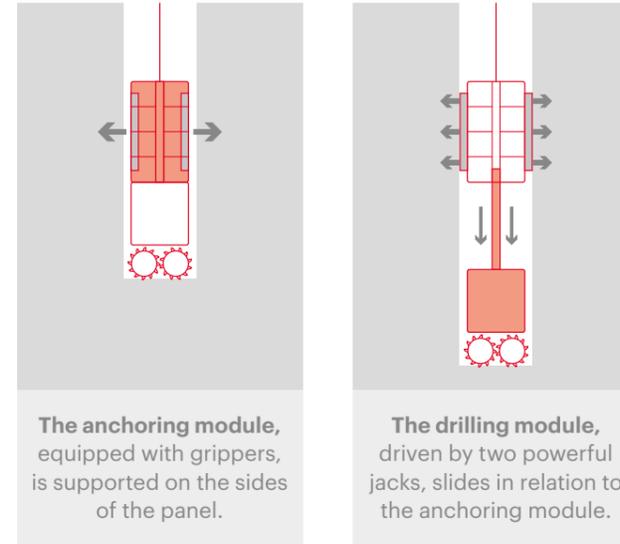
And Soletanche Bachy has continued to innovate to improve it. The Group has now developed and patented a more powerful and versatile version equipped with grippers, to drill diaphragm walls in extremely hard rocks (resistance greater than 100MPa).

Its latest innovation is the electric Hydrofraise®. Equipped with an electric power pack, it is now quieter and more environmentally-friendly (5,000 litres of fuel saved per week), while the compact electric Hydrofraise® is ideal for worksites in dense urban areas.

HOW DOES IT WORK?

The power of grippers

The Hydrofraise® applies thrust greater than its own weight to the cutting tool, thanks to its two-module design:



This allows the grippers to significantly improve installation of the diaphragm walls:

- Stabilisation of the cutting tool
- Reduced vibrations
- Improved ability to penetrate hard ground



THE BENEFITS FOR YOUR PROJECT

More robust, more efficient, more environmentally-friendly

- Greater mechanical reliability**
The electric power pack requires reduced maintenance compared with a diesel power pack.
- Better performance**
Capacity equivalent to or even higher than a Hydrofraise® with diesel-powered grippers, as well as more stable motor performance.
- More compact and powerful**
The electric compact Hydrofraise® with grippers adapts to all types of worksite, whatever the nature of the ground. Ultra-compact, it is perfect for urban sites and underpinning work.
- Reduced environmental impact**
This new machine has numerous environmental benefits:
 - No greenhouse gas emissions
 - Very significant reduction in vibrations
 - Reduction in noise impact by a factor of four

HC05GE: CHARACTERISTICS

Technical characteristics	
Power (kW)	522
Max. depth (m)	50
Thickness (mm)	800 - 1200
Max. thrust (kN)	800
Machine dimensions	
Width (m)	3,63
Length (m)	11,08
Machine height (m)	6.70
Weight (t)	98 to 105