

Hydrofraise® HF8

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Soletanche Bachy's solution
for deep excavation in very
hard rock

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SOLETANCHE BACHY

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Pushing the boundaries of cutter excavation

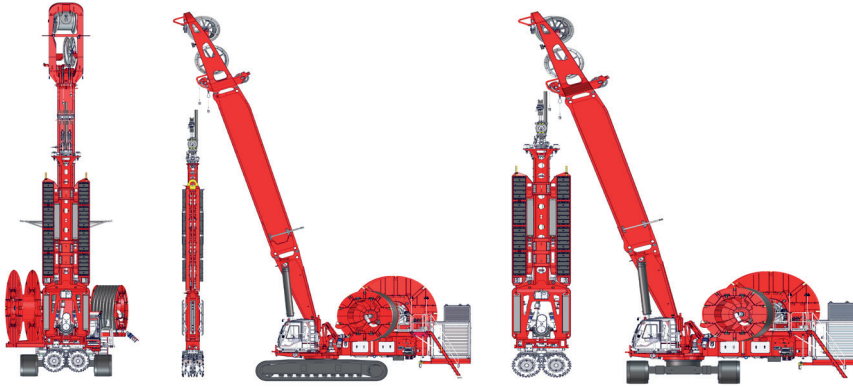
Since its invention by Soletanche Bachy in the 1970s, the Hydrofraise® has become the benchmark for diaphragm wall excavation.

The HF8 Hydrofraise® was entirely designed and assembled in-house by Soletanche Bachy for deep excavations in hard ground.

Equipped with grippers, the effective pushing force on the drilling tool can reach 200 tonnes. Thanks to the pulldown, special cutting head with roller bits can be used, enabling the HF8 to tackle the challenge of excavating into the hardest rocks, such as sound granite.

The HF8 Hydrofraise® also comes with digital technologies for control, supervision and data analysis, as well as environmental features such as an optional electric power pack.

TECHNICAL CHARACTERISTICS



Power (kW)	565
Max weight (T)	223 - 234
Length (m)	15
Width (m)	7.2
Height (m)	21.8
Max pulldown (kN)	2000

Drilling depth (m)	125 - 150
Drilling thickness (mm)	800 - 1000 - 1200 - 1500 - 1800
Drilling width (mm)	2800 - 3600

THE BENEFITS FOR YOUR PROJECT

- + Built-in noise reduction system
- + Reduced environmental impact

The HF8 can be powered by an electric power pack.

- + Data analysis

Machine and drilling data can be analyzed on Soletanche Bachy's Zetta-Lyze big data platform.

- + Digital control

Latest generation monitoring and control technologies on touch screen.

EQUIPMENTS IN OPTION



Roller bits

Specially designed for very hard rock excavation.



Modular power pack

Easy to switch between electric or diesel and to use a detached power pack.



Deep configuration

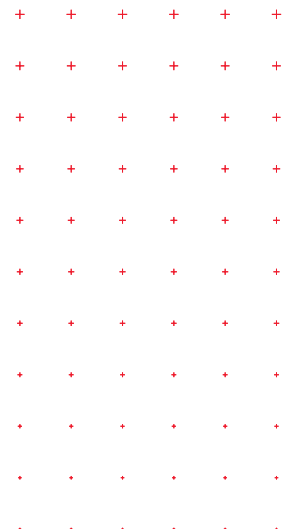
Fitted with special winders to reach 250 m depth.

GRIPPERS



The HF8's gripping module (patented) brings major improvements to the execution of diaphragm walls:

- » stabilization of the tool
- » reduction of vibration
- » increased penetration into hard rock (>100MPa)



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SOLETANCHE BACHY

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 offers effective and innovative construction solutions to public and private clients, in order to complete deep foundations, retaining structures, cut-off walls, reinforcing and civil works for all types of projects, from the largest international structures to the most local sites.

Through its subsidiaries, Soletanche Bachy operates as a general contractor and a specialist subcontractor to design, build, rehabilitate and maintain ports, dams, car parks, metros, tunnels, energy facilities, buildings, etc.

The Group provides environmental solutions by participating in the construction of structures with a positive impact, by implementing optimised technical solutions and by carrying out daily actions on our worksites.



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