



# Brextor

Pile head milling –  
efficient and controlled

TAKE IT TO  
THE NEXT  
LEVEL.



+ Made in Switzerland



## A quantum leap in pile head machining

Higher, bigger, faster: when a structure is built, everything has to fit exactly—especially the foundation. It is absolutely necessary that extreme care and precision be applied when removing residual material from iron-reinforced concrete piles. With the BRC Brextor, you can mill the base in just a few minutes for optimum connection of the piles to the ground plate. Precisely plannable, no uncontrolled cracks, unrivalled quality at low cost – BRC offers a patented process you can always rely on to provide the optimal foundation for your structure.

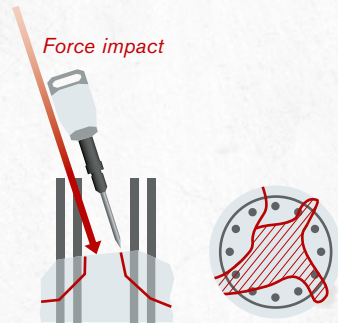




# ALL ADVANTAGES ON YOUR SIDE

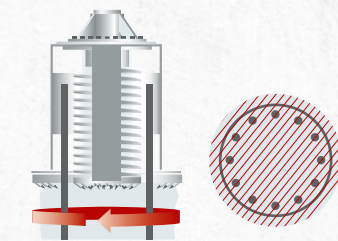
## Forces 100% controllable

The BRC Brextor is the only solution on the market that can ensure damage-free removal of the residual concrete. Thanks to the horizontal rotation direction of the milling chisel, no uncontrolled cracks occur in the concrete structure. The bearing surface remains 100% stable. Corrosion damage due to penetrating water is a thing of the past.



### Previous methods

The uncontrollable force impact of conventional chiselling causes cracks in the concrete structure. The result is a reduction of the bearing surface, which in turn can lead to punching through the concrete cover. Penetrating water causes corrosion damage to the reinforcement, thereby disturbing the static conditions.



### With BRC Brextor

The chisels of the BRC Brextor work horizontally. There are no uncontrolled vertical forces and no cracks occur in the pile body.

/// bearing surface

## Efficient and predictable

The BRC Brextor ensures more efficient workflows and greater process reliability. This means you can better plan your entire value creation and meet scheduled deadlines.

## Precise and fast

The milling machine centres itself automatically and machines centimetre-perfect. From the alignment of the milling head to the uncovered reinforcement, machining a pile that is 1 metre in diameter and 1 metre in structural height takes a mere 30 minutes.

## Modular and flexible

The modular system offers the greatest possible flexibility and is suitable for different pile types (local concrete piles, element piles) from 40 to 200 cm in diameter. The BRC Brextor works trouble-free even in confined spaces (e.g. shafts) and underwater.

## Kind to environment and health

The shorter and more precise operation of the BRC Brextor results in less dust, noise and vibration than conventional methods. This benefits the environment as well as the health of employees.

## Projects on a solid foundation



Swissporarena, Lucerne  
260 piles, Ø 900 – 1500 mm

**ALDI distribution centre, Domdidier**  
7500 piles, Ø 450 mm

**Prime Tower, Zurich**  
86 piles, Ø 1050 mm

**Mall of Switzerland, Ebikon**  
732 piles, Ø 600 – 1500 mm

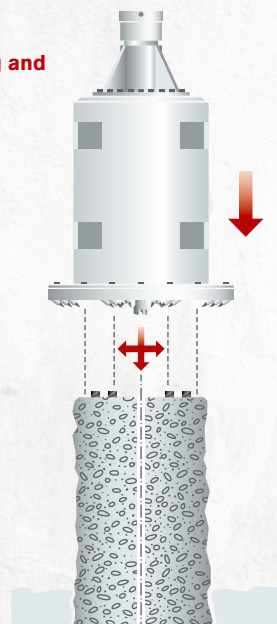
**Roche Tower, Basel**  
60 piles, Ø 1200 – 1500 mm

**“** As a planner, I feel obliged to handover a flawless structure to the client. This is why we are convinced of post-machining with pile-head milling for each pile foundation. This method ensures the piles are post processed fast, are weather resistant, and are of high quality. No leftover pile concrete is broken up, the starter bars remain absolutely straight, and the pile height is exactly as planned. Everyone involved profits. **”**

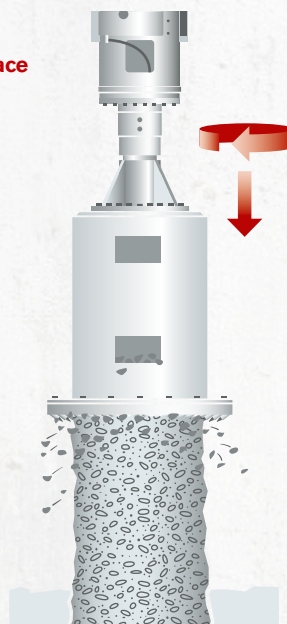
**Marco Fent, Civil Engineer (FH), Executive Management Fent AG**



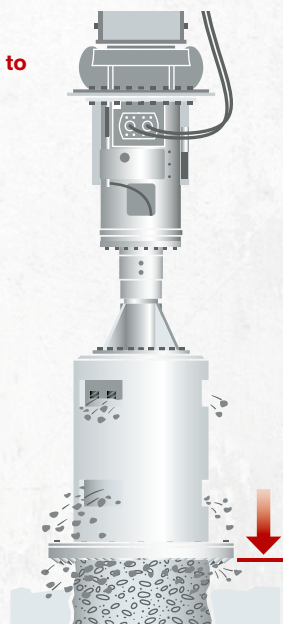
**1.** Aligning and centring



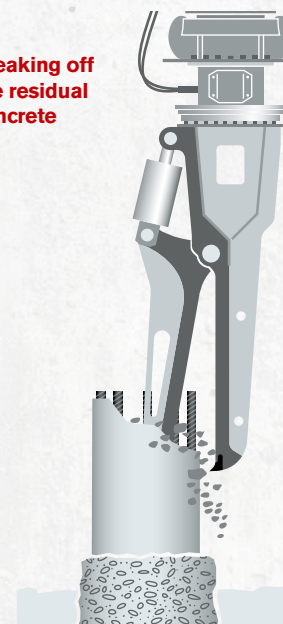
**2.** Spot-face milling



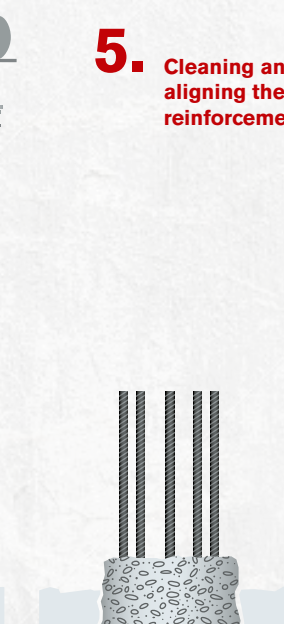
**3.** Milling to level



**4.** Breaking off the residual concrete



**5.** Cleaning and aligning the reinforcement



## Up to 20 times faster with BRC Brextor

Machining time per concrete pile:

### BRC Brextor

0.5 hr. | Top quality, efficient, health-friendly

### Hydraulic hammer/breaker

2.5 hr. | Cracks in the pile

### Manual work

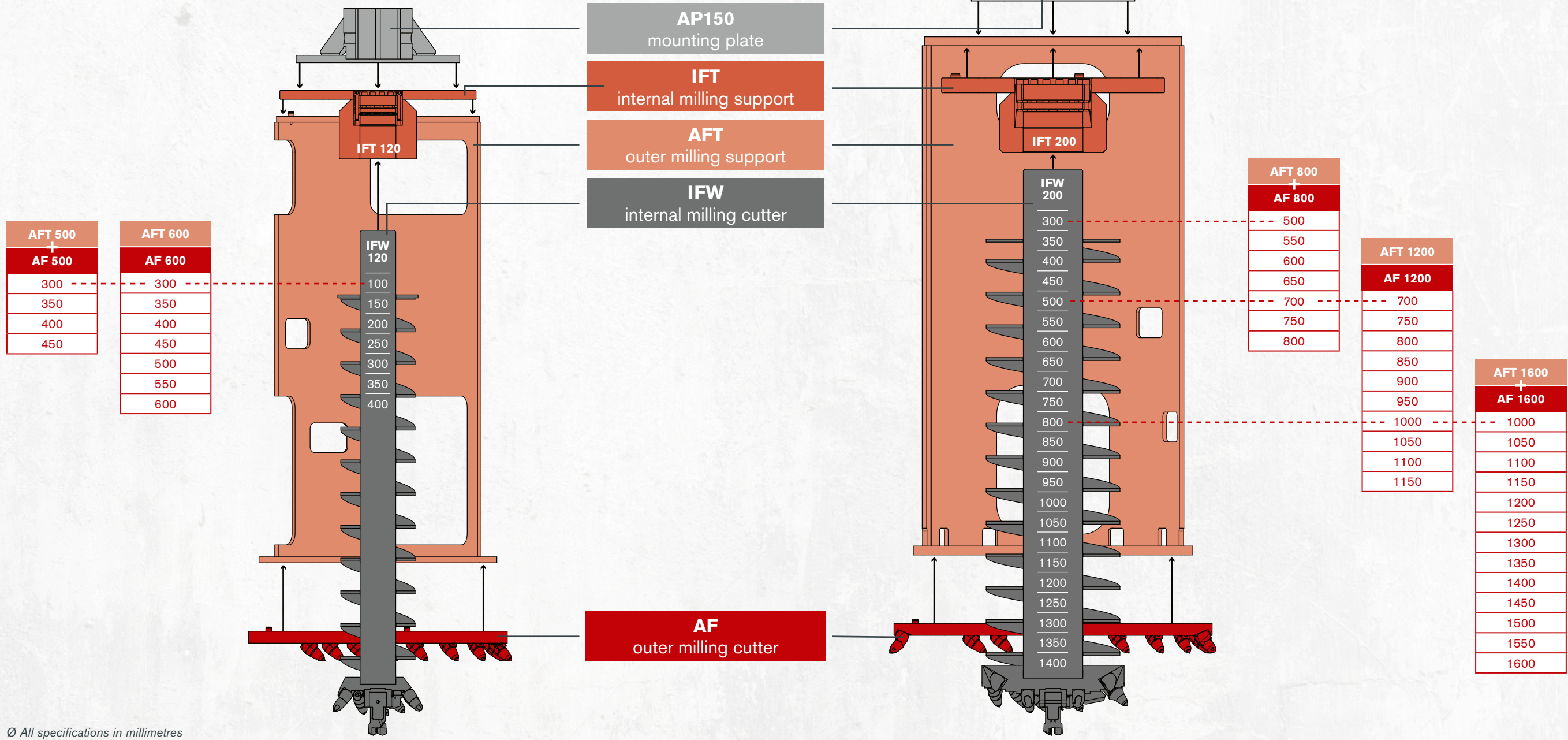
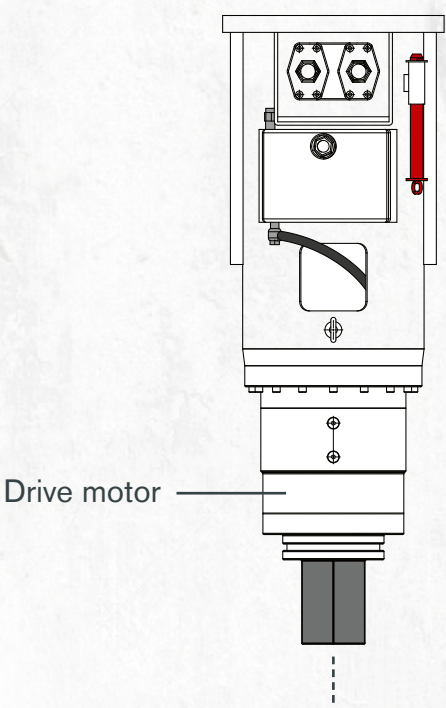
10 hr. | Damaging to health, slow

*Estimated time with two employees per iron-reinforced concrete pile with a diameter and structural height each of 100 cm*



# A MODULAR SYSTEM FOR EVERY AREA OF APPLICATION

The BRC Brextor offers a wide range of internal and external milling cutters as well as accessories that can be custom combined to suit individual requirements. Thus, pile heads measuring less than 0.5 to nearly 2 metres in diameter can be machined.



## Additional products

### LC110 Beisser – exposing the reinforcement

The LC110 Beisser is the optimal expansion for the BRC Brextor: it cleanly breaks off residual concrete from the milled piles and exposes the reinforcement undamaged.



### WLP Demolitor 10 – emission reduction

The WLP Demolitor 10 combats dust and smell in compliance with the newest global standards and is the ideal solution for heavy-duty projects.



Ø All specifications in millimetres



# YOUR SUCCESS IS OUR GOAL

BRC has made a name for itself in the construction machinery sector as a customer-oriented, innovative service provider. The owner-managed company with headquarters in Rain, Switzerland (Canton Lucerne), specialises in the development, trade, rental and servicing of construction machinery. Our focus: individual solutions for project-related requirements.



**For further information, reference projects, videos  
and technical questions, we invite you to visit our website at:**

**[www.brextor.com](http://www.brextor.com)**

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