



A new piling
generation

Original
Juttan
product

JUTTAN ***SHARK***

JUNTTAN SHARK

- the new ideal for hydraulic hammers

Junttan Shark is a hammer concept that is true to its name: quiet and efficient. The experience of Junttan as a hammer manufacturer that has been obtained over several decades, and years of extensive research have been loaded into the Shark. The result is a hydraulic hammer with features the likes of which have never been seen before; a hammer that will set the standard for all hydraulic hammers for years to come.

Less noise

For the first time in the history of pile driving, the Shark can truly be called a quiet hammer. Junttan bit deep into the structure of the hammer and significantly affected the creation and relay systems of sounds. As a result, the **noise level can even be over 10 dB lower than usual**, and the frequencies that are particularly disturbing to the ear have been significantly silenced.

More efficiency

The Junttan Shark hammer is more efficient than its predecessors. Thanks to the optimized hydraulics and controlled acceleration, **the productivity of the hammer is up to 9 to 18% higher than before**, depending on the lifting height. The ratio of the mass, cross section, and terminal velocity of the ram block is optimal in the Shark, ensuring the efficient transfer of the energy to the pile.

Adaptability ensures versatility

The Junttan Shark brings the versatility of the hydraulic hammer to a whole new level by enabling the hammer to be easily customized for various conditions and needs. Versatility introduces flexibility and security, because **work on several kinds of sites can be performed with the same hammer**. The Shark offers an even wider energy repertoire than before, and is perfectly suited for wooden, concrete, and steel piles.

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The hose couplings are reinforced with flanged joints to prevent oil leaks

New optimized pile driving cylinder and hydraulics

Efficiently silenced, with a strong frame structure

Separate, very maintenance-friendly technology module

Exchangeable guide claws

The multi-element ram block allows for an extremely wide range of usages

Adjustable guide rails of the ram block

The drive cap housing has a special structure to silence noise efficiently

Comprehensively environmentally friendly
Particular attention has been paid to environmental friendliness in the design of the Junttan Shark. It enables faster piling and lower levels of noise and emissions than ever before. **This makes the total environmental impact of a site where the Shark is being used unbeatable.** The Junttan Shark reinforces the position of pile driving as the most effective and environmentally friendly way of piling.

High reliability
The Junttan Shark is extremely reliable. Junttan's several decades of experience as a developer and manufacturer of hydraulic hammers have been fully utilized in its design. **The basis of the hammer is simple, and its operations are based on well-known and tried and tested solutions.** The thoroughly designed technology is combined with the improved serviceability to ensure the unbeatable reliability of the Junttan Shark.

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SHARK

Energy 13-80 kNm
 Blow rate..... 130-55 blows/min
 Drive cap modelJunttan model S
 Drive cap diameter (silenced)800 mm
 Drive cap diameter (standard)880 mm
 Total length (with A-type drive cap) 5 955 mm
 Total weight (depending on set-up)..... 9 500 - 10 000 kg

JUNTTAN

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We build together

Junttan Oy is a Finnish company that is specialized in the design, manufacture, marketing, and service of hydraulic piling equipment. Junttan is one of the few independent manufacturers in its product range. Founded in 1976 and located in Kuopio, Finland, Junttan invented the concept of a fully hydraulic piling machine in 1979 and has since then been the leading company in its segment. Today, Junttan piling equipment is being used on every continent and in 45 countries.

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