MOTOCUT

NEW ERA FOR PILE CUTTING

MotoCut

- *Great competitive edge for the excavation contractor*
- *Speeds up the timetable on the construction site*
- *Twice as fast as manual cutting*
- *Clean and flawless cutting area*
- *Effective and excellent in all conditions*
- *Safe and easy to use*
- *Can be installed on min. 5t excavators and other heavy equipment*
- *Enables pile cutting without manpower*

MotoCut pile cutter – award-winning quality

MotoCut pile cutter is a fast, safe, easy and high-quality tool for the cutting of concrete piles.

MotoCut pile cutter is a new generation cutting tool that can be installed on an excavator. It is the first product on the market that cuts piles with diamond saw blades.

MotoCut pile cutter was the 2012 winner of the Excellence Finland's Quality Innovation of the Year Competition.

MotoCut pile cutter is a Finnish invention developed by Teppei Morimoto who during his years of hands on experience of manual pile cutting has seen the demand for this kind of equipment. MotoCut's patent is led internationally under the Patent Cooperation Treaty (PCT).

TECHNICAL DETAILS

Machine weight 5,000 – 30,000 kg / 11,000 – 66,000 lbs

Model	Min–Max pile size	Weight
Q 350	200x200 – 350x350 mm (8”–14”)	465 kg / 1025 Lbs
Q 400	250x250 – 400x400 mm (10”–16”)	480 kg / 1060 Lbs
Q 450	300x300 – 450x450 mm (12”–18”)	490 kg / 1080 Lbs
Q 500	350x350 – 500x500 mm (14”–20”)	500 kg / 1100 Lbs

Dimensions	
Q350	1400x1450x783 mm (55x57x31”)
Q400	1400x1450x783 mm (55x57x31”)
Q450	1400x1500x783 mm (55x59x31”)
Q500	1400x1500x783 mm (55x59x31”)

Working pressure, Saw process 100 – 180 bar / 1450 – 2610 psi

Working pressure, grapple 160 – 200 bar / 2320 – 2900 psi

Required flow rate min 60 l/min / 16 gl/min (US)

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Great competitive edge for the excavation contractor

Currently the process, after measurements, is to dig out the piles on the construction site in order to reach the pile cutting point. Only then can the pile cutting contractors be called in, depending on their timetables all construction work may come to a standstill. As a result, the pits may fill with water, the ground freeze, etc. This could cause further delays.

Speeding up timetables

With the MotoCut pile cutter ***one excavation contractor can both open up the ground and cut the piles*** – twice as fast as manual cutting: in under one pile per minute (depending on the pile type). It is possible to dig out and cut a couple of piles at a time, allowing commencement of the next phase before the whole pile cutting process is completed. Installing the pile cutter to the excavator is straight forward, as with any hydraulic attachment.

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MotoCut: a clean and flawless cutting area, flexible timetables and no downtime on construction sites.

Safety

On site health and safety performance is improved as manual labour on the ground is minimised. The risk to personal safety from falling offcuts, dust, noise levels and white finger is greatly reduced. Using MotoCut the operator can stack the offcuts neatly as cutting progresses.

Cutting edge technologies

MotoCut
is an innovative Finnish company that manufactures excavator attachments. Our products are developed according to our customers needs. More features for excavators – improved efficiency.

Our modern premises are located in Kerava near Helsinki–Lahti highway.

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