



The UK's premier piling equipment specialists

Stockists of hydraulic, air and vibro hammers for a range of piles and applications



www.pilinghammerhire.co.uk

BSP
BRITISH SOIL PILING

Atlas Copco

dcp
DAWSON
CONSTRUCTION PLANT LTD

About us



The Rothen Group Piling Hammers are designed to drive a wide range of piles into the ground (in a wide variety of soil conditions), including trench sheeting, plastic piling and steel piles. Our hammers can also be used for foundation preparation, installing tubes, timber posts, cages to a wide range of cold formed sections such as those used to support solar panels.

Our hammer fleet includes our own hydraulic hammers, along with ARG hammers, handheld hammers and power packs, Air Impact Hammers (Atlas Copco and BSP N Series) and Vibratory Hammers (Dawson excavator mounted hammer).

In addition to supplying piling equipment, we can also manufacture piling accessories such as pile caps and mandrels to suit individual piling needs.

We pride ourselves on a proactive and pragmatic approach creating exceptional and safe solutions to the most challenging of piling projects. Our team of skilled engineers and operational staff have many years of experience and can help on site with any problems.

Centrally located in the Midlands, 10 minutes from M42 Jnc 10, we welcome enquiries for piling equipment hire from anywhere in the UK.

Call us now on 01827 215715
email hire@therothengroup.co.uk

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Air hammers

ARG hammers are exceptionally easy to use, robust, and ideal for most ground conditions. The ARG Air Hammers are particularly popular with waterways contractors for canal and river restoration.

Initially designed for trench sheeting, the **ARG Hammers** are also ideal for driving light pile sections, H-Section columns, barrier posts, plastic piling, jetty and mooring scaffolding, fencing posts, steel tubes, and timber piles and posts.

The **BSP 200** is a lightweight hammer for its size, but offers the same driving power as an ARG No 2, but with a weight saving of 80kgs.

The **BSP 300** is a very popular air hammer, particularly on the waterways, driving L8 and M7 piles in hard ground conditions.

BSP No 5 are normally used in non-cohesive soils, it provides a rapid succession of blows in order to install the pile efficiently. A periodic clamp, which grips the sheet at each impact, ensures that sheet damage is kept to an absolute minimum. Ideal for driving medium weight sheet steel, tubular, H-beam or timber piles.

Concrete piles can also be driven when the soil is soft and the pile is light. The BSP No 5 is ideal for driving Larssen Piles.



The **Atlas Copco 400** is the largest hammer to operate off a 125cfm compressor. It has a wider leg guide arrangement and can also be used for tubes, posts, and H-Sections. The Atlas Copco 400 has one of the lowest noise levels in our piling equipment range, as the impact occurs inside the body of the hammer.

McKiernan-Terry hammers sit between the Atlas Copco 400 and BSP No 5, suitable to drive a light-medium sheet pile.

ARG HAMMER

Hydraulic hammers

TR1 for driving L8 sheets and light H beams

TR2 for driving L8 sheets, small larssen piles and for hard ground conditions

TR3 for driving small Larssen piles, trench sheets and H beams

TR4 for driving Larssen piles

These free hanging hydraulic impact piling hammers are available in four sizes to fit excavators and cranes from 2.5 tonne upwards. These hammers can run directly from the machines hydraulic system or have a stand alone hydraulic power pack. Hammers are highly versatile and can be fitted with various inserts to suit your requirements for piles, posts, RSJs etc.

The main advantages are:

- No exhaust gas or oil
- Biodegradable hydraulic oil
- Easy to operate & maintain
- Highly efficient
- Less vibration
- Low cost of operation
- Adjustable hammer impact stroke frequency
- No compressor needed



HYDRAULIC HAMMER



EXCAVATOR
MOUNTED VIBRATOR

Vibro hammers



Dawson Construction Excavator Mounted Vibrators (EMVs) have been designed specifically to work in place of an excavator bucket, to drive in and extract piles. These vibratory hammers offer a highly productive and cost effective piling rig based around a standard excavator.

The main advantages of the EMV Vibratory Range:

- Compact, robust and reliable – no electrics
- Simple and fast attachment to the excavator
- Minimal height to maximise the pile length
- Heavy saddles available for crane suspended models
- High power to weight ratio
- Universal joint suspension for easy alignment of piles
- Automatic hydraulic clamp operation
- Extremely low vibration transmitted to the excavator
- Flexibility in application
- Environmentally friendly – low noise/localised directional vibration
- Slim design to drive single sheet piles
- Flow regulator prevents excessive oil supply to vibrator

Working off a 2.5-3T excavator we offer the miniEMV to drive and extract posts & piles. Off a 5-12T excavators, the EMV70 is suitable for driving trench sheets, short lengths of steel piles, wooden posts, tubes and plastic piles.

The EMV220 fits nicely in between the EMV70 and EMV300 hammers. Weighing only 5kg more than the smaller EMV70 it is ideal for jobs with a heavier pile than a trench sheet, and limited by the excavator size.

The EMV300 is our largest vibratory hammer. Powered by excavators between 13 and 25T, the EMV300 is ideal for mid to heavy duty piles, such as the Larssen range.

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Hydraulic post drivers

We have a range of hydraulic post drivers for hire to suit machines from 1.5 to 5 tonnes. Specialist driving caps can be fabricated to suit individual applications.

Especially suited to driving posts for the installation of nicospan and coir rolls.



Hand Held Post Driver Atlas Copco Hydraulic Post Driver 1 (PD1) & power packs

These are small, hand held post drivers which provide powerful, high speed driving for a range of posts. The PD1's can drive posts and tubes for a variety of applications from signposts, fencing and solar panel supports. These are also especially suited to driving posts for the installation of nicospan and coir rolls.

The PD1's are supplied with a hydraulic power pack.



Hydraulic breakers

JCB Beaver Pack The modern alternative to pneumatic breakers for asphalt and concrete

This mobile, heavy-duty breaker combines high-performance with low operator fatigue. It is a vibration damped breaker, ensuring comfort for the user. It has a 6 m detachable hose. Will break up to 300 mm. Powered by small petrol engine power pack.

These can also have a post driver attachment fitted to them.



Hydraulic Breakers SD21, SD22 & SD23

We have a range of hydraulic breakers suitable for different applications.

The SD21 can be mounted on machines from 1 to 3 tonnes.

The SD22 can be mounted on machines from 3 to 4.5 tonnes.

The SD23 can be mounted on machines from 4 to 6 tonnes.



The Rothen Group

Maintaining Britain's waterways

Contract Services

Rothen Group Piling Hammers are part of The Rothen Group who offer a wide range of civil engineering and piling services on land and water.

Our expert team can advise you on the best piling methods and materials from the moment we are engaged. Our advice will be pragmatic and result in the best solution for your specific project, considering both depth and conditions as well as usage and wear/damage. This will ensure the piling is suited to the site and your needs.

Knowledge of which piles or bank stabilisation technique to use for each site can save you considerable sums and we are confident in assessing whether steel sheet piles, timber piles, plastic piles, nicospan or even gabion baskets are appropriate.

Once the piles are in place there are a variety of options for backfilling and reinstatement which we are able to advise and carry out for you.

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