STEVE VICK INTERNATIONAL

MINI 'MACAW' PIPE CRACKER

GAS WATER NUCLEAR CONTRACT SERVICES

For safe, effective cracking of small diameter redundant cast iron gas mains (4" to 8")

The traditional method of breaking out a cast iron main has been to use a variety of handheld tooling, such as a sledge hammer or 'podger bar', both of which have long been associated with health and safety concerns, notoriously causing injury to operatives.

Steve Vick International offers the solution with our range of 'MACAW' Pipe Crackers - the larger model cracks cast iron pipe from 8" to 24" diameter (contact us for details); the Mini MACAW handles pipe from 4" to 8".

Safe, easy way to crack redundant or inserted cast iron gas mains

The Mini MACAW Pipe Cracker positioned on a 6" cast iron main prior to breaking out

DESCRIPTION

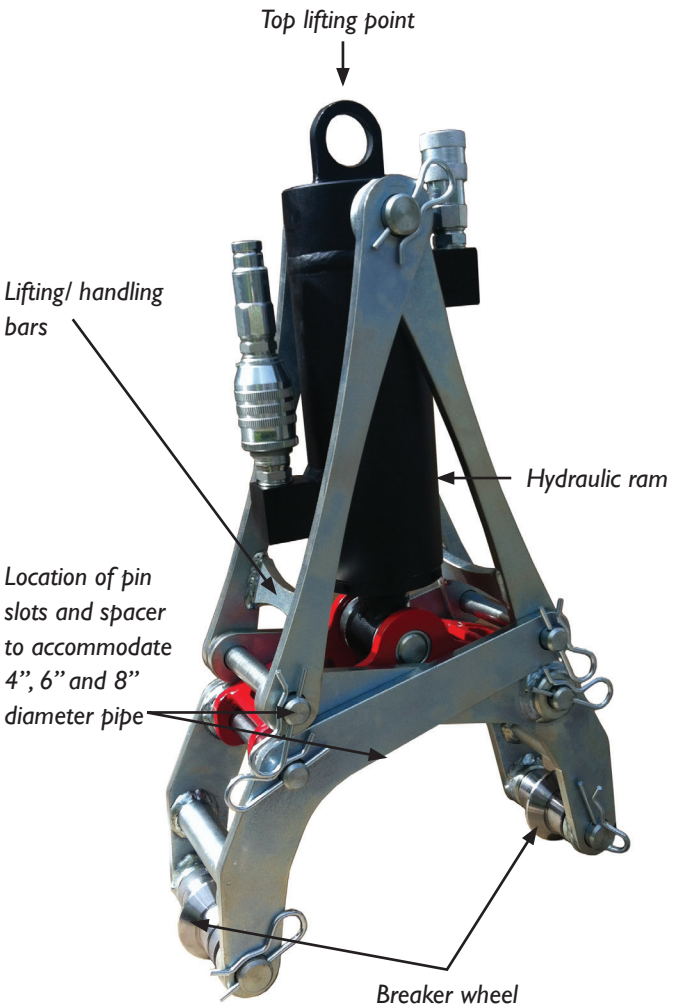
The Mini Pipe Cracker is powered from the third service or breaker hydraulics of an excavator.

Due to the Mini MACAW using a hydraulic ram, the break out operation is much more controlled giving a safer working environment. Due to this control, it can also be used on inserted mains because once the main has been broken, the operation can be stopped immediately leaving the inserted PE undamaged.

The Mini MACAW is adaptable for the 4" to 8" size ranges by using a choice of pin slots and a spacer seat making it easy to transfer between pipe sizes without having to use different accessories and light enough for two operativesv to manually locate it onto the main.

The Mini Pipe Cracker breaking out a 6" main inserted with 75mm PE.

One unit cracks cast iron pipes from 4” to 8” diameter



The MACAW Pipe Cracker (right) is suitable for use on 8” to 24” cast iron mains and is designed for use with a typical 1.5 to 3 tonne mini excavator. A range of arm diameters can be attached to the base unit to accommodate varying sizes of pipe. The MACAW may be used on cast iron pipes inserted with PE if required.

For use on abandoned and inserted mains

BENEFITS

- A safe and efficient alternative compared with using a ‘podger bar’ or sledge hammer
- For use on abandoned and inserted mains, without damaging internal PE
- Does not require access around the whole circumference of the pipe• Ideal for use with Live Mains Insertion
- Controlled pressure applied via hydraulic power
- Easy to operate - locate onto the main and let the hydraulics do the rest
- Choice of pin slots mean that the universal machine will handle 4-8” diameter mains

The newest addition to our pipe cracking range is the Rapid Cracker. Powered by a standard site compressor using an air over hydraulic foot pump. The Rapid Crackers foot pump converts pneumatic air from the compressor to 700 bar of hydraulic power, delivering 20 tonnes of break out force.

The MACAW cracking an 18“ abandoned cast iron main

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