

**KOBUS Pipe Puller  
KPP400 Series**



**THE PROOF IS  
IN THE PULLING**

# THE PROBLEM

Across the UK and Europe, there are hundreds of thousands of ageing water and gas service pipes in need of replacement but it's expensive, time consuming and disruptive.

Poor water quality created by lead leaching into drinking water from old lead service pipes remains an issue in many towns and cities. Service pipes that are beyond their useful life, and multiple repairs on these pipes, create potential increased leakage of precious water.

Old galvanised steel pipes, commonly used for gas service pipes, are prone to corrosion and potentially dangerous gas leaks. Add to this, the growing risk of damaging surrounding utilities when working on underground pipes, and the problem is huge.

It is critical that the utility industries utilise innovation to resolve these issues. New techniques such as the new trenchless Kobus Pipe Puller are valuable tools to achieve faster, safer and cheaper results.

## THE PIPE PULLER CONCEPT

### 01 How it works

The concept involves inserting a specially designed steel pulling cable through the old disconnected pipe. Attached to the pulling cable is a pulling ferrule with an expander. The pulling ferrule will pull the old pipe out as the pulling cable is winched by the Pipe Puller in a continuous motion, while the expander opens up the resulting bore hole created by the extracted pipe.

### 02 Installation of new pipe in a single operation

The new pipe is attached to the pulling ferrule, and is towed into place through the bore created by the old pipe in a single operation.

### 03 Recovery of old pipe

The old pipe, once extracted from the ground, is wound onto the Puller spool. The innovative design of the spool in two halves – a male and a female, allows the old pipe to be removed from the spool by reversing the direction of the hydraulic motors.

### 04 Success rates

Success rates using the Pipe Puller are very high, making this a preferred method of replacement for many contractors. The robust design of the machine plus the unique pulling cable construction ensure high productivity rates.



## FEATURES

The Pipe Puller has some innovative features to make the job quicker and easier:

- > Two powerful hydraulic motors capable of delivering a massive 20 tonnes of pulling force, ensuring the vast majority of old underground pipes are removed quickly and efficiently
- > Rotatable foot section – 360 degrees rotating foot allows excavator to be positioned in optimum place for access and safety, and to minimise traffic disruption
- > Unique spool design – male and female halves with specially design helix thread allows easy separation to remove old coiled pipe from spool after extraction

## APPLICATIONS

The Kobus Pipe Puller is versatile and is ideal for replacing water and gas service pipes.

- > Replaces lead, copper, steel, polyethylene pipes including combinations of different pipe materials with fittings
- > Up to 25m in length in a single pull
- > Diameters from 1/2" to 1 1/4" OD
- > Replaces polyethylene (PE) pipe up to 32mm OD
- > Suitable in most ground conditions including clay, rocky, sandstone

## PROVEN

The Kobus Pipe Puller has been in operation for several years in the UK, and has been proven for USA/Canada applications through thousands of successful replacements across numerous States. The machine is designed and Made in Britain' ensuring high quality and a product fit for the purpose.



**DESIGNED AND MADE IN GREAT BRITAIN**



## KOBUS PIPE PULLER KPP400

Kobus offers a fast, low cost technique that reduces disruption, removes the old decommissioned pipe, minimises the risk of damaging surrounding utilities, and is safer than other methods.

It is ideal for water and gas service pipes and is capable of replacing lead, copper, steel and polyethylene pipes up to 25 metres in length in a single pull. The KPP400 mounts on a compact excavator, and is driven off its auxiliary hydraulics.

- ✔ Ease of moving around site
- ✔ Provides safe access to depths up to 4-5 metres
- ✔ Minimises manual handling of heavy components
- ✔ Quick Hitch exchange between bucket and Puller



# THE KPP400 BENEFITS

## Increased productivity/reduced costs

With the vast numbers of ageing service pipes needing to be replaced across UK and Europe, the Kobus Pipe Puller offers significant productivity benefits compared to traditional open cut trenching, and other trenchless techniques such as moling. The Pipe Puller is faster than open cut trenching, because there is less time spent excavating and reinstating. The Pipe Puller significantly reduces the risk of damage to other utilities often associated with moling as the new PE pipe follows the same path created by removing the old pipe.

The method is environmentally better as the old decommissioned pipe is removed and the scrap metal recovered.



Reduces disruption to traffic flow and to local residents and homeowner as excavations are kept to a minimum



Faster and cheaper than other techniques, increasing productivity



Removes the old decommissioned pipe from the ground which would otherwise be environmental waste if left in situ



Minimises risk of damaging other utilities in the vicinity



Reduces cost and time compared with open cut trenching and reinstatement



Improves safety for operators and general public as unit is self-contained, and mounted on an excavator for handling

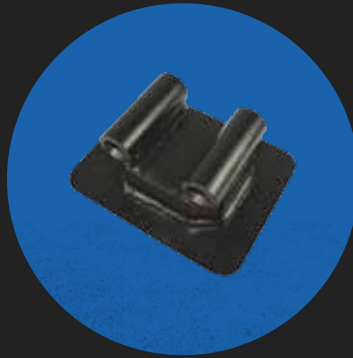


# THE PRODUCT



## Kobus Pipe Puller KPP400

Compact, self-contained unit which mounts on mini excavators, and is driven off the auxiliary hydraulics.



## KPP400 Adaptor Plate

Adaptor plate to match different models of excavators



## Pulling Cable

Available in 8mm, 10mm and 14mm diameter. Lengths up to approx 25m in 1m increments. Supplied with pulling ferrule and expander.

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