



**KOBUS**  
**PIPE PULLER**  
**KPP300 SERIES**

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**THE PROOF IS IN THE PULLING**

# THE PROBLEM

The replacement of water service pipes that connect the water mains to the boundary or to the entry to a property is a constant demand on resources. Traditional methods are limited primarily to impact moling and open cut trenching. Open cut is expensive, time consuming and very disruptive, and is preferably avoided for these reasons.

Impact moling is a well established trenchless technique that certainly has its place. However, it also has its limitations. The risk to personnel and property from striking surrounding utilities is the major factor in deciding whether or not to employ moling on any particular job. Increasingly, the risk of utility strikes is becoming more and more of a sensitive issue as the safety risks and costs involved in rectifying a strike are significant.

Add to these issues, is the problem facing many water utilities of managing leakage from their infrastructure, while at the same time minimising disruption from street works to customers and local residents. It is critical that the utility industries utilise innovation to resolve these problems. New techniques such as the new Kobus Pipe Puller are valuable tools to achieve faster, cheaper and safer results.



For more information please visit:  
**[kobuspipepuller.com](http://kobuspipepuller.com)**







## KOBUS PIPE PULLER KPP300

Kobus offers a safe, quick, low cost trenchless technique that reduces local disruption, removes the old decommissioned pipe, and minimises the risk of utility strikes compared to other traditional methods of pipe replacement.

It is ideal for water communication and supply pipe replacement and is capable of replacing lead, copper, black poly and PE pipes up to 25metres in length in a single pull. The KPP300 is modular for ease of handling and accessibility in awkward areas on homeowner's property, and is driven by its own separate hydraulic power pack.

- ✓ EASE OF ACCESS IN RESTRICTED AREAS
- ✓ MODULAR FOR EASE OF MANUAL HANDLING
- ✓ IDEAL FOR WATER SERVICE PIPE REPLACEMENTS
- ✓ QUICK, SAFE AND LOW COST







## FEATURES

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

- > **Robust design capable of withstanding over 10 tonnes of pulling forces**
- > **Modular construction for ease of manual handling**
- > **Two powerful hydraulic motors capable of delivering 10 tonnes of pulling force at the spool**
- > **Small sectional area of the unit to minimise size of excavations**
- > **PE pipe towed in behind the old pipe as it is removed in a single operation**

## APPLICATIONS

The Kobus Pipe Puller is very versatile and ideal for replacing water communication and supply pipes in a number of situations, such as mains renewal projects, individual pipe replacements for water quality, leakage management, poor pressure, etc, and multiple pipe replacements in targeted areas, e.g. lead replacement schemes.

- > **Replaces copper, lead, black poly, PE pipes including combinations of different pipe materials on a single replacement**
- > **Up to 20-25 metres in length in a single pull**
- > **Diameters from 1/2" to 1 1/4" pipe**
- > **Replaces with PE pipe up to 32mm diameter**
- > **Suitable in most ground conditions including clay, sandstone, rocky**
- > **Use on inclines and under tree roots**

## PROVEN

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



**DESIGNED  
AND MADE IN  
GREAT BRITAIN**

## THE BENEFITS

### 01 Minimise the risk of utility strikes

The Pipe Puller tows in a new PE pipe along the same pathway as the extracted old pipe thereby minimising the risk of damaging surrounding utilities. As a result, the Pipe Puller is ideal in applications where moling is avoided due to an unacceptable risk of utility strikes.

### 02 Better environmentally

The Pipe Puller completely removes the old decommissioned pipe from the ground which otherwise creates the potential for ground contamination in the future if left in situ. The old pipe, in the case of lead and copper, can be recovered and sent to be recycled.

### 03 Minimise disruption

Replacing supply pipes on the homeowners' side, when pulling from the boundary of the property only requires a very small excavation on the homeowner's property. This helps to maintain high levels of customer satisfaction as damage to property is a constant and real issue for homeowners.

For road crossings on the communication pipe between the water mains and the property boundary, the Pipe Puller reduces the need for expensive and disruptive traffic management, often keeping traffic flow on both carriageways clear.

THE BENEFITS OF  
THE PIPE PULLER  
ARE SEVERAL

## 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. Once removed from the spool, the resulting coil of old pipe can be recovered as scrap and recycled.

### 04 Success rates

Success rates using the Pipe Puller are typically high depending on ground and pipe conditions, making this a preferred method of replacement for many water companies and contractors. The robust low maintenance design plus the unique pulling cable construction ensure high productivity rates.



# THE PRODUCT



**KOBUS PIPE PULLER KPP300**

Modular with separate hydraulic power pack



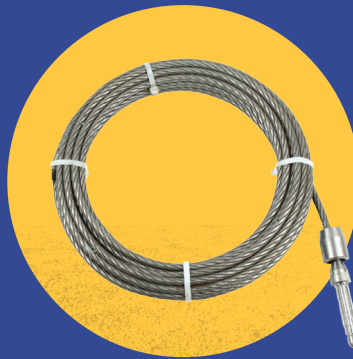
**KOBUS POWER PACK**

Hydraulic Power Pack with forward & reverse drive



**ACCESSORIES**

Range of accessories and tools designed to assist the pipe replacement process and improve efficiency. Supplied in a handy toolbox to keep items together.



**PULLING CABLE**

Available in 8mm and 10mm diameters. Lengths up to 25m in 1m increments. Supplied with pulling ferrule and expander.



**KOBITE**

Bonding compound used for soft pipe materials, eg lead. Two part system which bonds pipe to pulling cable to improve effectiveness of pull.



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