

# TRENCHLESS PIPE REPLACEMENT



Sewer Rehabilitation From Perco



Expandit Pipe Replacement

Rod Pulling

Miniburst

Pneumatic Pipe Bursting

Manhole Bursting

Headings

# PIPE REPLACEMENT FROM PERCO



## Trenchless pipe replacement from the UK



### Expandit

Expandit replaces existing sewers or pipes with a new approved pipe without excavation. Ideal for working in congested built up areas, Expandit offers the following benefits:

- It can be operated from existing manholes or small excavations
- It bursts through clayware, pitch fibre, concrete, asbestos cement, cast iron and UPVC
- Pipe diameters can be increased by up to 100%
- Minimal environmental impact and low noise
- Hydraulic operation reduces ground heave and movement
- Replacement pipes can be clayware, concrete or polyethylene
- Can be used in conjunction with Perco's Snapit pipe system

### Rod Pulling

An economical and quick alternative where pipe upsizing isn't required, or where the upsize is a small increase, Rod Pulling offers the following benefits:

- Pipe diameters range from 100mm to 1 metre in lengths of up to 200 metres
- New pipes can take pressures of up to 16 Bar
- SDR 11, SDR 17.6 and SDR 26 wall thicknesses can be used
- The system breaks down for easy installation and removal
- Can be used in conjunction with Perco's Snapit pipe system

### Miniburst

Miniburst's portability and quietness lends itself to pipe replacement in confined areas such as gardens, narrow alleys and some basements. Miniburst has been used successfully by Perco for local authorities, housing associations, insurance companies, utilities companies and private individuals.

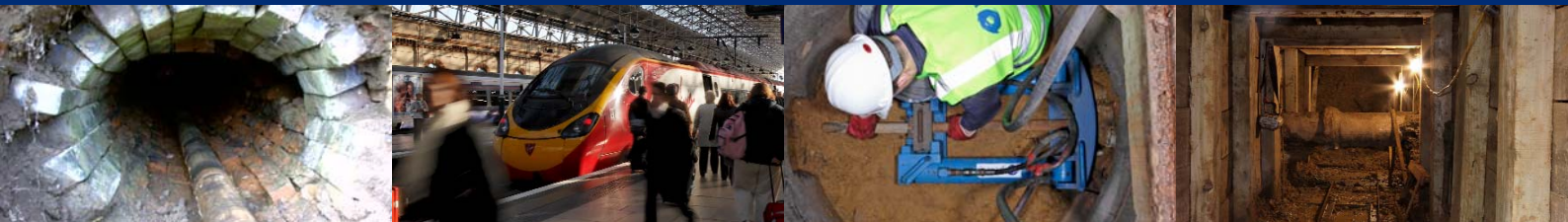
It is the perfect pipe replacement system for difficult locations. Miniburst offers these benefits:

- Can be operated from existing manholes
- Bursts through clayware, pitch fibre, concrete, asbestos cement and other common materials
- Pipe diameters of 75mm, 100mm and 150mm in lengths of up to 50 metres
- New pipe is either short section or continuously welded in MDPE or HDPE
- New pipes have a design life of three or four times that of a repaired pipe
- Quiet and discrete

**Environmentally sound pipe replacement techniques reduce pollution, disruption and the demand for newly quarried materials**



# ment solutions leader in trenchless technology



## Pneumatic pipe bursting

Developed in the 1970's, pneumatic pipe bursting is the original type of trenchless pipe replacement. It is very aggressive and is most suitable for pipe replacement under fields or in areas with no adjacent properties or services. It offers a number of benefits over other less powerful systems:

- Pipe diameters of up to 1200mm and in lengths of up to 500 metres
- Pipe upsizing of up to 50% can be achieved
- It can be used in conjunction with continuously welded or short sections of pipe

## Manhole bursting

The Perco Manhole Burster was borne from our R&D facility, together with demands from our clients to provide a more traditional rod-pull pipe bursting system that would work from within existing manholes, negating the need for launch & reception pits. Perco applied the basic design of our standard rod-pullers, and created a new system that was portable, collapsible, easy to install and operate.

Essentially, the system works on the same basis of our standard 12t, 40t and 60t rod pullers, but the base machine can be broken down into its four main individual components, thus allowing the machine to be inserted through the cover of a standard manhole and assembled in the base of the manhole. When used in conjunction with our Snapit pipe, the whole operation can be managed from within existing chambers, reducing environmental disruption, cost of excavations, cost of backfill/reinstatement and programme time

## Headings

This traditional method of trenchless sewer connection and rehabilitation is still regularly used in central London and other major city centres. It is also used in manufacturing plants where disruption to production facilities has to be avoided.

- Our operators are trained to the highest standards
- We adhere to HSE and Sewer Renovation safety guidelines
- Headings are constructed in steel or timber, designed to BS6164
- Headings are preferred in locations where conventional equipment cannot be installed or where logistics prevent normal access
- We provide a full turnkey service including assessment, surveying, design and implementation

# PERCO the only big name trenchless technology contractor you will ever need



At Perco we deliver complete turnkey solutions for every type of trenchless technology project. We provide full design and advice, preparation of all necessary enabling and reinstatement works, installation, commissioning and ongoing maintenance.

Our approach to trenchless technology gives clients and contractors greater advantage and control over project completion schedules.

- ✓ **Guided Auger Boring**
- ✓ **Directional Drilling**
- ✓ **Rock Drilling**
- ✓ **Pipe Bursting**
- ✓ **EcoCIPP™ Lining**
- ✓ **Shaft Sinking**
- ✓ **Pipe Jacking & Tunnelling**
- ✓ **Pigging**
- ✓ **Pipe Cleaning**

For more information about Trenchless  
Pipe Replacement call:

**01604 590200**

or visit: [www.perco.co.uk/pipereplacement](http://www.perco.co.uk/pipereplacement)



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