

AUGER BORING



Trenchless Pipe Installation From Perco



Guided Auger Boring

Unguided Auger Boring

AUGER BORING FROM PERCO



Trenchless pipe installation from the UK



Guided auger boring

Optically guided auger boring is the best solution for installing new pipes in virgin ground where accuracy is critical. Perco's highly trained operators achieve stunning results with this system. Optically guided auger boring has many advantages over other techniques, including:

- Pipe diameters can range from 150mm to 1000mm and lengths of up to 100 metres
- The system is highly accurate making it suitable for gravity sewers
- Guided auger boring is approved for pipe installation under live rail
- The system can install final product pipe or steel sleeves for later slip lining and grouting

Benefits for urban schemes

Optically guided auger boring is highly cost effective. It has become the preferred method of trenchless pipe installation for the final connection of surface water and foul drains to the public sewer network in urban areas and high traffic locations.

- Optically guided auger boring is quicker than open cut
- It reduces disruption to road users, local residents and businesses
- It eliminates traffic management issues and costs, highway reinstatement costs, lane rental charges and potential fines

Guided auger boring, like other trenchless techniques, significantly reduces:

- Environmental impact through lower traffic pollution
- Waste to landfill and the volumes of newly quarried materials required for backfilling

Benefits for the rail industry

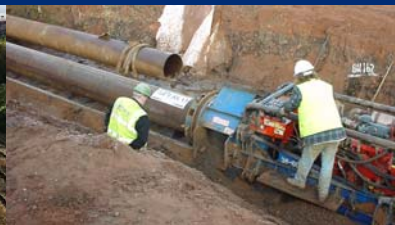
Optically guided auger boring offers immense engineering, cost and customer service advantages to the rail industry. Our rigs can be operated from compact track side launch shafts to install under track crossings (UTX's) without interruption to train timetables.

Optically guided auger boring offers the following benefits to the rail industry:

- Faster installation
- Ground settlement is largely negated
- The need for costly line possessions is eliminated
- Work schedules are maintained
- Land take required for installation works is greatly reduced
- Rail services can continue as normal, ensuring customer satisfaction

Environmentally sound pipe installation techniques reduce pollution, disruption

tion solutions leader in trenchless technology



Unguided auger boring

Unguided auger boring (or longboring) is a traditional method of installing new pipelines into virgin ground. It is usually driven from an excavation pit to a finish point which could be a pit, manhole, shaft or open end.

This technique involves creating a blinded base in a pit to an accurate line & level, and setting up the auger boring rig on this base. Steel auger flights, which are contained within a steel pipe are then rotated and pushed into the ground.

As the auger progresses forwards, the earth is screwed back to the launch pit and removed. The augers continue forwards, until they reach the reception point, where they are removed.

Benefits

Unguided auger boring offers many benefits to civil engineers. It is the logical choice for the installation of new pipes in areas where space is available and maximum accuracy is not an issue. Unguided auger boring allows much longer pipe lengths to be installed in a single shot.

- Pipe lengths of 300 metres can be installed in one shot, subject to pipe diameter and ground conditions
- Pipe diameters of 150mm to 1200mm can be installed
- Depending on ground conditions, installation rates of up to five metres per hour can be achieved

Perco auger boring in action

More information about Perco's auger boring solutions can be found on the Perco website, which contains details about our techniques, project case histories, demonstration videos and news.

The website also contains links to numerous industry related bodies.

www.perco.co.uk/augerboring

and the demand for newly quarried materials



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 Optically Guided or Unguided Auger boring call:

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or visit: www.perco.co.uk/augerboring



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