Fiberstrong®

Jacking Pipe Systems

Fiberstrong GRP jacking pipes are engineered for trenchless construction, delivering inherent strength and durability.

They combine structural performance with corrosion and abrasion resistance, while a smooth internal liner enhances hydraulic capacity and supports long-term, low-maintenance performance.

Applications

Fiberstrong GRP Jacking pipes can be used in the following applications.

- Micro-tunnelling
- Pipe jacking
- Guided auger boring
- Free boring
- Slip-lining and pipe rehabilitation

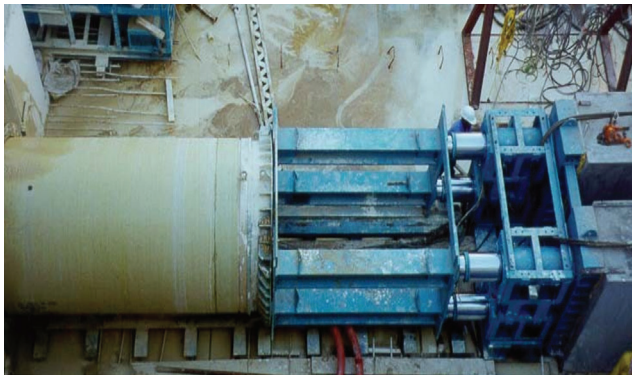
Fiberstrong GRP jacking pipes are designed to withstand:

- High compressive jacking loads
- Heavy external ground and traffic loads
- Construction-stage stresses

Product Range

Fiberstrong Jacking Pipes are manufactured in sizes DN300 up to DN2200 in standard effective lengths of 2m and 3m*

The pipes can be produced in a variety of stiffness classes (SN20,000 up to SN1,000,000) with jacking loads up to 10,000 kN depending on size and design.



*Custom lengths available. Contact Iplex for more nformation

Features and Benefits

Manufactured with corrosion resistant composite materials	Fiberstrong GRP is inherently resistant to hydrogen sulphide gases, sulphuric acid, saline groundwater and aggressive soils, eliminating the need for protective coatings or corrosion allowances.
Low embodied carbon	Lower embodied carbon than conventional steel or concrete pipes, supporting end users and network operators in meeting their carbon-neutral and sustainability targets.
Lightweight	Lightweight Fiberstrong GRP pipes allow the use of smaller jacking rigs and reduced tunnel diameters, while delivering lower friction, reduced lubrication demand and strong hydraulic performance.
Smooth, non-corrosive internal liner	Fiberstrong Jacking pipes deliver lower friction losses and higher flow capacity, reducing the risk of sediment build-up. In many applications, their superior hydraulic performance allows the use of smaller pipe diameters while maintaining equivalent flow efficiency.
Low environmental Impact	GRP offers a lower embodied carbon footprint than concrete or steel pipe systems, while enabling reduced excavation and spoil volumes compared with open-cut installation. Its strength, flexibility and minimal surface disruption make it ideal for environmentally sensitive or urban projects requiring sustainable, low-impact solutions.

Ready to learn more?

Scan code or visit our website to learn about GRP's technical specifications or talk to our team