

GRP Jacking Pipe for Trenchless Installation

GRP jacking pipe is designed for underground installation without excavation, ideal for water supply and drainage. It offers corrosion resistance, light weight, and a smooth interior for optimal flow capacity.



Product Overview

Advanced Trenchless Infrastructure Solution

GRP (Glass Reinforced Plastic) jacking pipes are engineered for superior performance in trenchless installation and microtunneling projects. Designed to replace traditional heavy materials, these pipes offer a significant reduction in project complexity through their lightweight construction and high structural integrity. With exceptional corrosion resistance and a service life exceeding 50 years, they represent a highly durable and cost-effective choice for modern underground infrastructure.

Technical Performance

Compression Strength

150 MPa

GRP Jacking Pipe

65 MPa

Concrete Pipe (Typical)

Expected Service Life

More than 50 years

Key Advantages

Why Choose GRP?

- Lightweight design reduces lifting and transport equipment requirements
- Smooth outside surface minimizes soil friction for longer jacking distances
- High corrosion resistance against sewerage and acidic soil environments
- Easier installation and deflection correction compared to concrete
- Reduced maintenance expenses over the product lifecycle

Installation Data

Trenchless Installation Characteristics

Lowjacking force requirement, Anti-deflection, High jacking length capacity, Reduced site disruption