

Tunnel Boring Machine

Tunnel boring machines excavate tunnels with a circular cross section through various soil and rock. They minimize disturbance to the surrounding ground, producing a smooth tunnel wall.



ADDITIONAL IMAGES



Product Overview

Professional Tunnel Boring Solutions

These advanced tunnel boring machines provide a safe and efficient alternative to traditional drilling and blasting methods. Engineered for precision, they minimize surrounding ground disturbance while creating smooth-walled tunnels across a variety of soil and rock strata. Designed for large-scale infrastructure projects, these machines integrate heavy-duty hydraulic systems and modular cutting tools to ensure reliable performance in complex geological conditions.

Technical Capabilities

Performance Metrics

17.6 meters

Max Tunnel Diameter

1 meters

Min Tunnel Diameter

Geological Compatibility

Hard Rock, Sand, Varied Strata

Construction & Design

Key Components

- Rotating circular cutter head
- Replaceable cutting tool system
- Heavy-duty steel shield protection
- Integrated hydraulic control systems
- Precision navigation mechanisms

Operational Advantages

Minimal ground disturbance • Smooth tunnel walls • Enhanced safety • High cost-efficiency for long projects