

Super Large Diameter Tunnel Boring Machine

This is a super large diameter tunnel boring machine. It employs an earth pressure balance system for constructing underwater high-speed railway tunnels.



Product Overview

World-Class Underwater Tunneling Solution

This super large diameter Tunnel Boring Machine (TBM) is engineered for the most demanding underwater high-speed railway tunnel projects. Featuring a massive 14.57-meter diameter, it represents a significant milestone in heavy machinery engineering for subsea infrastructure. Designed for high-pressure environments, this earth pressure balance TBM ensures stability and precision during the construction of the world's longest and largest diameter underwater rail tunnels.

Key Performance Metrics

Core Specifications

14.57 m

Boring Diameter

1 st

Global Rank (Diameter/Length)

Technical Specifications

TBM Type	Earth Pressure Balance / Slurry Balance (å4sa)
Cutterhead Diameter	14.57 m

Application Details

Primary Application

Underwater High-Speed Railway • Subsea Tunneling • Large-Scale Infrastructure

Project Capabilities

- Super-large diameter excavation
- High-pressure underwater operation
- Long-distance continuous boring
- Precision earth pressure management

Project Milestones

Rollout Date	January 10, 2024
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