Tunnel Segment Transport Car

The segment car is a supporting vehicle for locomotives, facilitating duct piece transport in shield tunnel construction. It is constructed from robust steel and features a reinforced platform.

Product Overview

Engineering Precision for Tunnel Construction

This specialized rail-bound transport car is designed to facilitate the secure and efficient movement of tunnel segments during underground construction projects. Built with a robust box-type steel frame and a shock-absorbing wheel system, it provides high rigidity and durability for heavy-load operations. The unit features an inclined step structure with integrated rubber buffering to protect delicate duct pieces, while also accommodating the transport of miscellaneous site materials.

Construction and Design

Frame Structure	Box-type steel structure providing high load-bearing capacity and rigidity
Surface Material	Checkered plate surface for enhanced durability and material handling
Protective Buffer	30mm thick rubber padding on all contact surfaces to prevent damage to duct pieces

Technical Specifications

Running Gear	Two-wheel-set pedestal structure (non-bogie design)
Damping System	Coil spring vibration damping
Braking Mechanism	Vertical hand-operated disc brake

Safety and Compliance

Safety Standards	Shock-absorbing suspension, Anti-collision rubber buffers, Manual disc braking, Rigid load-bearing chassis