

Steel Tube Arch Bridge

A steel tube arch bridge is designed to span waterways and roadways. The bridge features a curved arch made from steel tubes to provide structural support.



ADDITIONAL IMAGES



Overview

Engineering Excellence in Steel Arch Bridges

The Steel Tube Arch Bridge provides a robust and aesthetically striking solution for spanning waterways and infrastructure gaps. Utilizing high-strength tubular steel, the arch design ensures superior structural integrity and load-bearing capacity while maintaining a slender, elegant profile. This multi-span bridge system is engineered for long-term durability and seamless integration into both natural environments and urban landscapes.

Design and Structure

Arch Configuration	Steel Tube, Arch Bridge, Multi-span
Primary Construction Material	Structural Grade Steel

Performance

Bridge Capacity Metrics

1 System
Deck Support

2 Arch
Structure Style

Construction Features

Key Structural Features

- Red-finished protective steel coating
- Reinforced concrete deck integration
- Heavy-duty marine-grade piers
- Engineered for multi-lane traffic flow