Long Span Steel Arch Bridge with High Load Capacity and Customizable Design

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Tongkai
- Certification: ISO,EN1090,SGS ,
- Model Number: TKBG1000
- Minimum Order Quantity: 1
- Price: 1200USD ~2000USD/ton
- Delivery Time: 30days
- Payment Terms: L/C, T/T
- Supply Ability: 2000t/m

Product Specification

- Highlight: **Long Span Steel Arch Bridge**, **Customizable Design Steel Arch Bridge**, **High Load Capacity Steel Arch Bridge**

More Images

Our Product Introduction

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Product Description

Brief Introduction

Arch bridges have been widely used around the world because of their unique aesthetics, and are used for long-span bridges after suspension and cable-stayed bridges.

Span Range

As a rough guide, typical spans for tied-arches carrying highways is in the range 75m to 250m. For railways, the range would be 50m to 200m. As always, there are exceptions to these rules.

Feature

- Long -Span
- Permanent or semi-permanent bridging
- Heavy Load
- Rural infrastructure project
- Humanitarian aid and disaster relief operation
- Pedestrian bridging
- Services pipelines
- Construction site access
- Replacement of damaged bridge
- Emergency response stock

Briefing

A tied arch bridge, also known as a bowstring arch bridge or a bowstring girder bridge, is a type of bridge that features an arch structure supported by a tie between the ends of the arch.

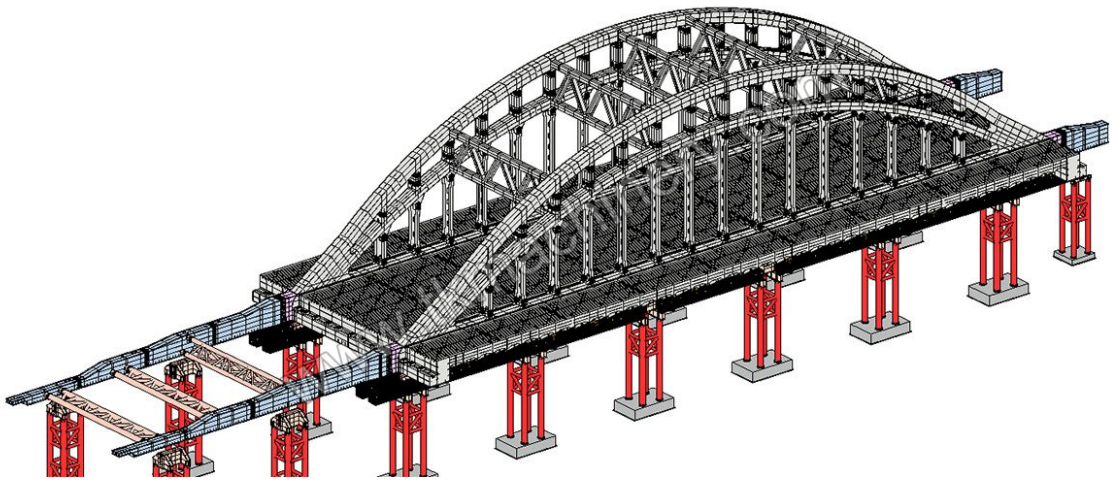
The arch carries the weight of the bridge deck and any loads acting on it, while the outward horizontal forces of the arch caused by tension at the arch ends are countered by equal tension of its own gravity plus any element of the total deck structure that provides support.

Application

Tied arch bridges can be constructed using various materials, such as steel, concrete, or a combination of both. They are commonly used in both road and railway bridge applications, offering aesthetic versatility with different arch shapes and variations in the tie configuration.

Advancetage

- Structural Stability
- Spanning Large Distances
- Aesthetic Appeal
- Structural Flexibility
- Versatility



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