Bailey Steel Bridge Compact 100 Single Lane S355JR Temporary Bridge

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Tongkai
- Certification: ISO9001, EN1090,ISO3834
- Model Number: TKB100
- Minimum Order Quantity: 1set
- Price: FOB1000USD
- Packaging Details: Nude Packing ,Steel case
- Delivery Time: 15days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 500T/M

Product Specification

- Material: S460J0,S355JR,S235JR
- Color: Green, Grey, Orange,Red
- Load: HS15,HS20,HS25,HL-93,HA ,HB
- Net Width: 3.15m, 3.6m 4m 4.2m
- Footway: 1m, 1.2m,1.5m
- Model: TKB100
- Highlight: **Compact 100 Bailey Bridge**, **Temporary Bridge Bailey Bridge**, **S355JR Bailey Bridge Single Lane**

Product Description

Bailey Bridge Steel Bridge Compact 100 Bailey Single Lane S355JR Temporary Bridge

Brief Introduction

Specification

* Standard : ASTM, GB,BS5400,AASHTO
* Material : S355Jr, S460J0
* Panel Size : 3000/3048mm * 1500mm*176mm
* Type : heavy
* Footway : single or double side, 1m ,1.2m & 1.5m
* Application Scope : Road Construction ; Railway Construction ; Emergency Usage ; Military Usage

Introduction:

Bailey Bridge is a standard bridge equipment, adopted extensively and the most popular in the world, possessing the features of simple structure, convenient transport, speedy erection and easy disassembling, while having the advantage of heavy loading capacity, great stability and long fatigue life being capable of an alternative span, loading capacity and mixture form to erect all kinds of Temporary Bridges, Emergency Bridges and Fixed Bridges. The bridge has the advantages of few components, light weight and low cost. Bailey bridge is similarly like compact 100,compact 200 International bridge. it is assembled by each 3m/3.048m panel, and invented by Donald Bailey. The 321 panel bridge can be easily dissembled and rapidly erected. The whole bridge is made by high-tensile strength steel. Main beam is light weight panels and the panels are connected by panel connection pins. It is easy to assemble or disassemble and transport. It can also be assembled into different forms of panel bridges according to their span length and transportation requirement. So, it has been widely applied as emergency transportation, temporary or permanent bridge. Its suitable load design is such like HS-15, HS-20, HS-25 and pedrail-50 etc.

Panel

The panels are monolithic unit welded in the factory and assembled by panel pin on the construction site, and the main structures are assembled according with the request of span and loading. The hole-to-hole distance of panel is 3000mm/3048mm, and the height is 1500mm. Each panel top and bottom chord has interlocking male and female lugs into which the panel pins were inserted. The bottom chord has bottom chord has 4 transom seats. the material of up and down chord is 10# channel steel and the middle is 8# I-beam steel.

Joint systems

Transom Clamp, a screw lock clamp that secures the transom to the panel, 3.0kg

Sway Brace: fitted under the roadway and ran from one end of the lower run of the inner panel to the diagonally opposite end, 33kg

Rakers: fastened to the top run of the panel and a lug near the end of the transom. These kept the panel vertical, 11kg

Decking system

The deck system is made up of transom and deck. The transom connects with panel and deck by U- bolt and L-bolt. The material for transom is Type I-beam steel, the deck size is 3042×1050 Transom; 18 foot long, 10 inches high and 4 ½ inches wide clamped to the panels using transom clamps.

Transoms had lugs on the top surface to locate the roadway decks. There were holes drilled through the transom to allow the transom to be carried using lifting bars. The deck is fixed on the transom by U- bolt.

End system

The bridge end is composed of End Male Post, Female End Post, Tie Beam, Bearing and Bearing Plate

Launching equipment and tools

The launching equipment and tools are made up of nose, roller, rock roller, joint, bolt and various spanners. The max loading of roller is 25t and the rock roller id 6t. The nose is netlike structure assembled by bridge components (not offered in this project).

Erection Method: Cantilever Launchin g Method,Crane Lifting

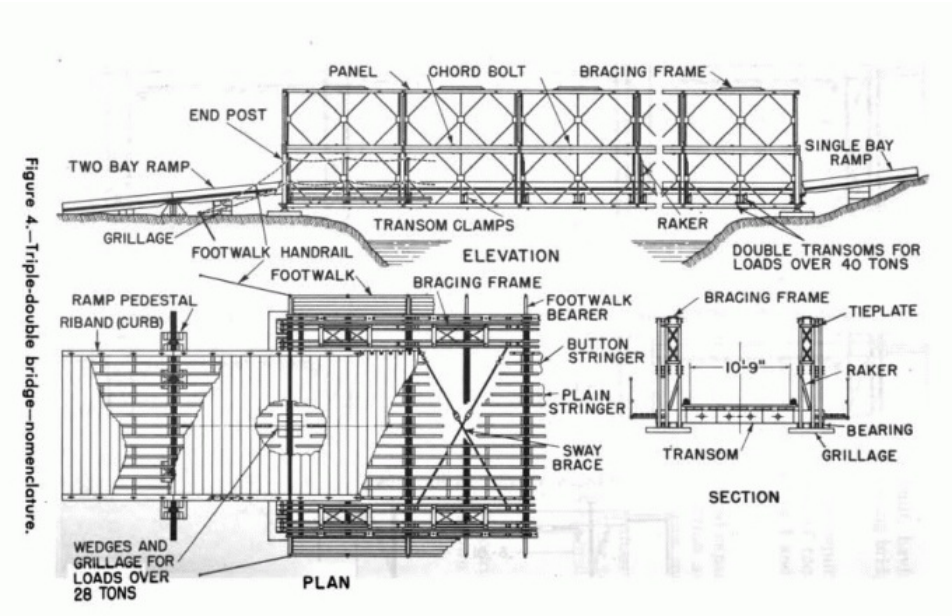

Figure 4.—Triple-double bridge—nomenclature.

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