

Bridge-type cranes



Overview

An overhead crane, commonly called a bridge crane, is a type of crane found in industrial environments. An overhead crane consists of two parallel beams seated on longitudinal tracks attached to opposite steel columns by means of end trucks. The traveling bridge spans the gap. A trolley, the lifting component of a crane, travels along the bridge. If the bridge is rigidly supported on two or more legs running on two fixed tracks.

AI Overview

Bridge cranes, also known as overhead cranes, are industrial cranes that lift, lower, and move heavy loads horizontally across a facility using a bridge and trolley system. Overview A bridge crane is a type of overhead crane designed for material handling in industrial environments such as factories, warehouses, ports, and construction sites. It consists of a bridge, which spans the width of the workspace, and a trolley or hoist that moves along the bridge to lift and transport loads. The bridge itself travels along runway beams mounted on the building structure, allowing movement in three dimensions: left-right, forward-backward, and up-down. Components Hoist: The lifting mechanism, which can be powered electrically, manually, or pneumatically, responsible for raising and lowering loads. Trolley: Carries the hoist and moves horizontally along the bridge. Bridge: The main load-bearing beam that spans the crane bay and supports the trolley and hoist. Runway: Tracks or beams on which the bridge moves, typically integrated into the building structure. End Trucks: Wheels or mechanisms at the ends of the bridge that allow it to traverse the runway. Types Single Girder Bridge Crane: Features one main beam; the hoist is usually underhung. Suitable for lighter loads, typically up to 10 tons. Double Girder Bridge Crane: Uses two beams, allowing heavier loads (up to 125 tons) and greater lifting height, as the hoist can fit between the girders. Gantry Crane: Si...

Article Content

An Overview Of Bridge Cranes | DGCRANE

Cranes, defined as mounted mechanical instruments used to transfer small and medium sized loads over a short distance, come in a variety of

Understanding the Basic Structure of Bridge Cranes: An

Explore the detailed structure of bridge cranes, including specific data, operational mechanics, and safety features.

Bridge crane styles and application scenarios

This article aims to explore the different styles of best bridge crane equipment, highlight their distinctions from other crane types, discuss various

Cranes, Ergonomic Lifting, Fall Protection, & Warehouse Solutions ...

Discover Gorbels' wide range of cranes, ergonomic lifting, fall protection, and warehouse solutions. Whether lifting 50 lbs or 40 tons, loading or unloading; we provide material handling solutions to

Overhead Bridge Cranes

Overhead Bridge Cranes An overhead bridge crane is a type of industrial lifting equipment consisting of a horizontal bridge that moves along

Overhead Bridge Crane Specifications & Information

Overhead bridge cranes are essential for material handling in many industries, from manufacturing to warehousing. Their efficiency and safety largely depend on

Bridge Crane :: North American Industries

Double girder cranes typically provide better hook height, but single girder cranes offer other advantages depending on your application. Visit the double girder vs.

Bridge Crane Basics The Backbone of Efficient Material

Learn bridge crane basics—key components, types, and operational benefits for efficient, safe material handling.

Classification and uses of bridge cranes

The purpose of bridge crane Bridge cranes are widely used in various industrial enterprises, ports, warehouses, material yards, power stations and

What Are the Different Types of Overhead Cranes?

A gantry crane is similar to a bridge crane, but instead of moving on suspended runways, the crane uses legs to support the bridge, trolley, and hoist.

Understanding Bridge Cranes: The Basics

From the humble overhead crane to the mighty gantry and jib crane, we'll investigate the uses of each type of bridge crane, as well as examine their unique features

Overhead Bridge Cranes: Single Girder vs. Double

A bridge crane is a type of overhead crane that includes two or more overhead runways built into the building's support structure. Bridge cranes have

Overhead crane

An overhead crane, featuring runways, bridge, and hoist in a traditional industrial environment. Overhead crane at the Skanska precast concrete factory in Hjärrup,

Bridge Cranes, Cranes, Free Standing Bridge Cranes,

Our company is a broad line distributor of Material Handling Equipment such as Bridge Cranes, Cranes, Free Standing Bridge Cranes, and Overhead Bridge

Overhead Bridge Cranes for Sale

Overhead bridge cranes perform the same material handling and load lifting operations as other types of bridge cranes, but overhead crane systems offer the

Bridge crane styles and application scenarios

Overhead crane lifting equipment come in two common styles: single girder and double girder cranes. Single girder bridge cranes feature simplicity,

Bridge crane Overview: The bridge crane benefits and Types of bridge ...

Bridge Crane bridge crane overview tells you the bridge crane benefits and Types of cranes of bridge crane. Tips of bridge cranes from your bridge crane specialist- Dongqi Hoist and Crane. Chinese

Constructability in Bridge Design #6: Cranes Types for

Discover the common crane types used in bridge erection and their capabilities. Find out which cranes suit your project needs and enhance

Bridge Crane Types | CraneWerks

The bridge consists of two end trucks and one or two bridge girders depending on the equipment type. The bridge also supports the trolley and hoisting mechanism

What is a bridge crane? Type, pros & cons, application of bridge crane

Discover what is a bridge crane, its components, types, pros & cons. Learn how these systems handle materials for the construction, manufacturing, warehousing industries.

Overhead crane

An overhead crane, commonly called a bridge crane, is a type of crane found in industrial environments. An overhead crane consists of two parallel rails seated on longitudinal I-beams attached to opposite steel columns by means of brackets. The traveling bridge spans the gap. A hoist, the lifting component of a crane, travels along the bridge. If the bridge is rigidly supported on two or more legs running on two fixe

Understanding Bridge Cranes: The Basics

Learn the basics of bridge cranes and overhead cranes, including their components and different types. Discover how a bridge crane is...

Xinxiang Weiying Machinery Co.Ltd.-Overhead crane,

Jib Crane Jib crane is small lifting equipment, which can be made into manual type jib crane, electric type jib crane, mobile jib crane, fixed jib crane,ect.

What Are the Different Types of Overhead Cranes?

Overhead Cranes What Are the Different Types of Overhead Cranes? If you've done your research and determined that an overhead crane

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