



Customizable Width Steel Pedestrian Bridge with 400-600 Kg/m² Load Capacity and Prefabricated Sections

Basic Information



Product Specification

- Customization options: Color, Length, Width, Railing Design
- Typical usage: Urban Areas, Parks, Campuses, Industrial Sites
- Load capacity: Typically 400-600 Kg/m²
- Weight: Depends On Span And Design, Approx. 50-150 Kg/m²
- Surface: Painted Or Galvanized
- Bridge type: Pedestrian
- Safety features: Handrails, Non-slip Surface
- Net Width: 1m, 1.2m, 1.5m, 2m, 3m
- Highlight: **custom steel pedestrian overpass, robust steel park bridge, pedestrian safety steel bridge**

Product Description:

The Steel Pedestrian Bridge is an exceptional solution designed to provide safe and reliable passage for pedestrians across roads, railways, and other obstacles. Engineered with durability and strength in mind, this Steel Footbridge Structure is built to withstand heavy pedestrian traffic while maintaining a lightweight profile for ease of installation and long-term performance. Featuring a load capacity typically ranging from 400 to 600 Kg/m², the bridge ensures ample support for the expected pedestrian flow, making it suitable for urban environments, parks, campuses, and commercial areas.

One of the standout features of this Steel Pedestrian Crossing Bridge is its compliance with local building codes and pedestrian bridge standards. Adherence to these design standards guarantees that the structure meets all safety, durability, and usability requirements, providing peace of mind to both users and project planners. This compliance also facilitates smoother approval processes and integration into existing infrastructure projects, as the design reflects the latest regulations and best engineering practices.

The weight of the Steel Pedestrian Overpass varies depending on the span and specific design requirements, typically ranging from approximately 50 to 150 Kg/m². This weight range strikes a balance between structural integrity and material efficiency, ensuring the bridge is robust without being unnecessarily heavy. The careful calculation of weight allows for optimized support structures and foundations, reducing overall construction costs and minimizing the environmental footprint.

Installation of the Steel Footbridge Structure is streamlined through the use of prefabricated sections with bolted connections. This method significantly reduces onsite construction time and labor costs, as sections are manufactured in controlled environments and then transported to the site for assembly. Bolted connections provide secure and reliable joints that can withstand dynamic loads and environmental stresses, while also allowing for easier maintenance and potential future modifications or expansions.

Corrosion resistance is a critical attribute of the Steel Pedestrian Crossing Bridge, ensuring longevity and low maintenance over its service life. The steel components are treated with advanced protective coatings that guard against rust, moisture, and other environmental factors. This high corrosion resistance is essential, especially in outdoor settings exposed to varying weather conditions, including rain, snow, and humidity. By preventing corrosion, the bridge maintains its structural integrity and aesthetic appeal for many years.

Overall, the Steel Pedestrian Overpass offers a combination of strength, safety, and efficiency. Its robust load capacity supports heavy pedestrian traffic, while adherence to stringent design standards ensures compliance and reliability. The prefabricated construction method accelerates installation and reduces costs, and the high level of corrosion resistance guarantees a durable and low-maintenance structure. Whether used to connect busy urban districts or provide safe passage over highways and railways, this Steel Footbridge Structure stands as a testament to modern engineering and thoughtful design. It is an ideal choice for municipalities, developers, and engineers seeking a dependable and cost-effective pedestrian bridge solution.

With its superior attributes and carefully engineered features, the Steel Pedestrian Crossing Bridge is poised to meet the demands of contemporary pedestrian infrastructure, enhancing safety and accessibility in a wide range of environments.

Features:

Product Name: Steel Pedestrian Bridge

Bridge Type: Pedestrian

Typical Usage: Urban Areas, Parks, Campuses, Industrial Sites

Customization Options: Color, Length, Width, Railing Design

Safety Features: Handrails, Non-slip Surface

Surface Finish: Painted or Galvanized

Durable Steel Pedestrian Crossing Bridge designed for long-lasting performance

Versatile Steel Walkway Bridge suitable for various environments and applications

Robust Steel Walkway Bridge ensuring safety and stability for pedestrian traffic

Technical Parameters:

Installation Method	Prefabricated Sections With Bolted Connections
Net Width	1m, 1.2m, 1.5m, 2m, 3m
Design Standards	Complies With Local Building Codes And Pedestrian Bridge Standards
Environmental Resistance	Weatherproof, UV Resistant
Material	Steel
Customization Options	Color, Length, Width, Railing Design
Corrosion Resistance	High
Span Length	Variable (typically 10-50 Meters)
Load Capacity	Typically 400-600 Kg/m ²
Typical Usage	Urban Areas, Parks, Campuses, Industrial Sites

Applications:

The Steel Pedestrian Bridge is an ideal solution for a variety of application occasions and scenarios, offering both functionality and

aesthetic appeal. This type of Steel Pedestrian Overpass is widely used in urban environments where safe and efficient pedestrian movement is essential. Its robust Steel Footbridge Structure can be customized to fit specific project requirements, including options for color, length, width, and railing design, ensuring seamless integration with the surrounding landscape or urban architecture. One common application scenario for the Steel Urban Footbridge is in busy city centers, where it provides a safe crossing over roads, railways, or waterways, significantly reducing pedestrian-vehicle conflicts. The bridge's deck options, featuring anti-skid steel or aggregate surfaces, enhance safety by preventing slips and falls, making it suitable for areas with heavy foot traffic or adverse weather conditions. Its load capacity, typically ranging from 400 to 600 Kg/m², ensures it can support large crowds comfortably, which is crucial during peak hours or public events.

In addition to urban settings, these steel pedestrian bridges are also frequently employed in parks, campuses, and recreational areas. Their durable construction and customizable features allow for the creation of visually appealing pathways that blend with natural surroundings while maintaining structural integrity. The prefabricated sections with bolted connections enable quick and efficient installation, minimizing disruption and reducing construction time on-site.

Industrial complexes and commercial zones also benefit from the Steel Pedestrian Overpass, where safe and reliable pedestrian access is necessary across busy operational areas. The customizable railing designs can be tailored to meet safety standards and aesthetic preferences, providing both security and visual harmony with the facility's design.

Overall, the Steel Footbridge Structure is a versatile and practical choice for any pedestrian crossing need. Its combination of customizable options, durable deck materials, strong load capacity, and straightforward installation method makes it suitable for a wide range of occasions and scenarios, from bustling urban centers to tranquil parks, ensuring pedestrian safety and convenience everywhere it is deployed.

Customization:

Our Steel Pedestrian Bridge offers extensive product customization services to meet your specific project requirements. Available in net widths of 1m, 1.2m, 1.5m, 2m, and 3m, this steel walkway bridge can be tailored in terms of color, length, width, and railing design to perfectly suit urban environments and pedestrian traffic needs.

Designed as a robust steel pedestrian overpass, it supports a load capacity typically ranging from 400 to 600 Kg/m², ensuring safety and durability. The span length is variable, generally between 10 to 50 meters, allowing flexible installation over roads, railways, or other obstacles.

For surface treatment, you can choose between painted or galvanized finishes, providing enhanced corrosion resistance and aesthetic appeal. Whether you require a steel urban footbridge for city infrastructure or a customized steel walkway bridge for specific applications, our product customization services ensure a perfect fit for your project.

Support and Services:

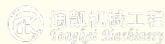
Our Steel Pedestrian Bridge is designed for durability and safety, providing reliable passage in various environments. To ensure optimal performance, regular inspection and maintenance are recommended. This includes checking for any signs of corrosion, structural integrity, and the condition of protective coatings.

Technical support is available to assist with installation guidance, load capacity evaluations, and customization options to suit specific project requirements. Our team can provide detailed engineering specifications and compliance documentation upon request.

We offer comprehensive services including site assessment, design consultation, and post-installation support to guarantee the longevity and safety of your pedestrian bridge. Additionally, spare parts and replacement components are accessible to maintain the bridge in excellent condition over time.

For troubleshooting, common issues such as surface rust or loose fittings can be addressed with routine maintenance practices. We recommend using appropriate cleaning agents and protective treatments to extend the lifespan of the steel structure.

Our commitment is to provide exceptional product support and services, ensuring that your Steel Pedestrian Bridge meets all safety standards and performs efficiently throughout its service life.



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