



## Prefabricated Steel Pedestrian Bridge With Bolted Connections Featuring 400-600 Kg/m<sup>2</sup> Load Capacity and UV Resistant Design

Our Product Introduction

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### Basic Information



### Product Specification

- Customization options: Color, Length, Width, Railing Design
- Typical usage: Urban Areas, Parks, Campuses, Industrial Sites
- Bridge type: Pedestrian
- Span length: Variable (typically 10-50 Meters)
- Load capacity: Typically 400-600 Kg/m<sup>2</sup>
- Environmental resistance: Weatherproof, UV Resistant
- Corrosion resistance: High
- Design standards: Complies With Local Building Codes And Pedestrian Bridge Standards
- Highlight: **steel pedestrian bridge with bolted connections , prefabricated steel bridge high load capacity , UV resistant pedestrian bridge sections**

**Product Description:**

The Steel Pedestrian Bridge is an exceptional solution designed to provide safe, durable, and aesthetically pleasing crossings for pedestrians in urban and rural environments. Crafted from high-quality steel, this bridge combines strength and versatility, making it an ideal choice for a wide range of applications including parks, city streets, commercial areas, and pedestrian pathways. Whether you need a Steel Walkway Bridge, a Steel Urban Footbridge, or a Steel Pedestrian Overpass, this product offers outstanding performance and adaptability to meet your specific project requirements.

One of the defining features of this Steel Pedestrian Bridge is its robust construction using premium steel materials. Steel offers unparalleled strength and longevity, ensuring that the bridge can withstand heavy foot traffic, environmental stresses, and the test of time. This makes the bridge not only a practical investment but also a sustainable one, as steel is recyclable and can be maintained with relative ease compared to other materials. The use of steel also allows for sleek, modern designs that blend well with contemporary urban landscapes.

The surface of the Steel Pedestrian Bridge is available in two main options: painted or galvanized. The painted finish provides a smooth, visually appealing surface that can be customized in a variety of colors to match the surrounding environment or project branding. On the other hand, the galvanized surface offers superior corrosion resistance by applying a zinc coating to the steel, making it especially suitable for environments exposed to moisture, salt, or other harsh weather conditions. Both surface treatments ensure long-lasting protection and minimal maintenance, enhancing the overall durability of the bridge.

Installation is made straightforward and efficient through the use of prefabricated sections with bolted connections. This method significantly reduces on-site construction time and disruption, as the bridge components are manufactured off-site under controlled conditions, ensuring high quality and precision. The bolted connections allow for easy assembly and disassembly if necessary, providing flexibility for future modifications or relocations. This installation method also minimizes the need for heavy machinery and complex groundwork, making it a cost-effective and environmentally friendly solution.

The deck of the Steel Pedestrian Bridge is designed with safety as a paramount consideration. It features an anti-skid surface made from either steel or aggregate materials. This anti-skid deck ensures secure footing in all weather conditions, reducing the risk of slips and falls for pedestrians. The textured surface is particularly beneficial in urban settings where rain, snow, or ice may be present, thereby enhancing the overall safety and user confidence when crossing the bridge.

Another important attribute of this steel pedestrian structure is its versatility in net width options, accommodating various pedestrian traffic volumes and spatial constraints. The bridge is available in net widths of 1 meter, 1.2 meters, 1.5 meters, 2 meters, and 3 meters. This range allows for tailored solutions, from narrow walkways suited for light foot traffic to wider bridges capable of handling busy urban corridors. The flexibility in width ensures that the Steel Walkway Bridge, Steel Urban Footbridge, or Steel Pedestrian Overpass can be seamlessly integrated into different environments without compromising comfort or safety.

In summary, the Steel Pedestrian Bridge stands out as a reliable, durable, and adaptable infrastructure component designed to enhance pedestrian mobility and safety. Its steel construction guarantees long-term structural integrity, while surface options such as painted or galvanized finishes provide protection and aesthetic versatility. The prefabricated sections with bolted connections facilitate quick and efficient installation, minimizing disruption and costs. Additionally, the anti-skid deck and multiple width options ensure both safety and customizability for diverse pedestrian needs. Whether you require a Steel Walkway Bridge for a park trail, a Steel Urban Footbridge to connect city neighborhoods, or a Steel Pedestrian Overpass to safely cross busy roads, this product offers a comprehensive solution that meets modern standards and expectations.

**Features:**

Product Name: Steel Pedestrian Bridge

Material: Steel, ensuring durability and strength for a reliable Steel Footbridge Structure

Surface Options: Painted or Galvanized finish for enhanced corrosion resistance

Safety Features: Equipped with handrails and a non-slip surface to maximize user safety

Typical Usage: Ideal for Steel Urban Footbridge applications in urban areas, parks, campuses, and industrial sites

Span Length: Variable, typically ranging from 10 to 50 meters to accommodate different site requirements

Also known as a Steel Pedestrian Overpass, providing safe and efficient pedestrian crossing solutions

**Technical Parameters:**

Installation Method	Prefabricated Sections With Bolted Connections
Deck	Anti Skid Steel / Aggregate
Net Width	1m, 1.2m, 1.5m, 2m, 3m
Corrosion Resistance	High
Safety Features	Handrails, Non-slip Surface
Surface	Painted Or Galvanized
Span Length	Variable (typically 10-50 Meters)
Environmental Resistance	Weatherproof, UV Resistant
Material	Steel
Customization Options	Color, Length, Width, Railing Design

## Applications:

The Steel Pedestrian Crossing Bridge is an ideal solution for a variety of urban and rural applications, offering exceptional durability and safety for pedestrians. With a typical load capacity of 400-600 Kg/m<sup>2</sup>, this steel footbridge structure is engineered to support heavy foot traffic, making it perfect for busy city streets, parks, campuses, and commercial areas where reliable pedestrian access is essential. One of the primary application occasions for the Steel Urban Footbridge is in urban infrastructure projects that require seamless integration with existing pathways and road networks. Its customizable options, including color, length, width, and railing design, allow city planners and architects to tailor the bridge to specific aesthetic and functional requirements. This flexibility ensures that the bridge not only serves as a practical crossing but also complements the surrounding environment.

In addition to urban settings, the Steel Pedestrian Crossing Bridge is well-suited for industrial sites, recreational parks, and nature reserves where safe and sturdy pedestrian access over obstacles such as waterways, roads, or uneven terrain is necessary. The anti-skid steel or aggregate deck provides enhanced safety by preventing slips and falls, even in wet or icy conditions, which is critical in high-traffic areas or locations prone to adverse weather.

The high corrosion resistance and environmental resistance properties of this steel footbridge structure make it ideal for outdoor applications exposed to harsh weather conditions. Its weatherproof and UV-resistant coating ensures long-lasting performance and minimal maintenance, even under intense sunlight, rain, or snow. This durability is essential for bridges in coastal areas or regions with extreme climatic variations.

Moreover, the Steel Urban Footbridge's robust design and customizable features allow it to be used in special events, temporary installations, or as part of pedestrian improvement projects in both urban and rural communities. Whether it's facilitating safe pedestrian flow over busy highways, rivers, or construction zones, this steel pedestrian crossing bridge provides a reliable and aesthetically pleasing solution that enhances connectivity and safety for all users.

## Customization:

Our Steel Pedestrian Bridge product offers extensive customization services to meet your specific project requirements. Constructed from high-quality steel, these bridges provide durable and reliable solutions for urban areas, parks, campuses, and industrial sites. You can choose between painted or galvanized surface finishes to ensure optimal protection against corrosion and enhance aesthetic appeal.

The span length of the bridge is variable, typically ranging from 10 to 50 meters, allowing for flexible design tailored to your site's unique needs. As a Steel Elevated Footbridge, it is engineered to support pedestrian traffic safely and efficiently, making it an ideal choice for connecting walkways in busy urban environments.

Our Steel Urban Footbridge customization services include options for structural design, surface treatment, and load capacity adjustments to suit different applications. Whether you require a sleek, modern appearance or a robust industrial design, our team works closely with you to deliver a Steel Urban Footbridge that perfectly fits your project.

## Support and Services:

Our Steel Pedestrian Bridge product is designed to offer durable, safe, and efficient pedestrian crossing solutions. To ensure optimal performance and longevity, we provide comprehensive technical support and services tailored to your project needs.

Technical Support includes detailed installation guidance, structural analysis assistance, and customization options to meet site-specific requirements. Our team of engineers is available to address any design questions and to help integrate the bridge seamlessly into your infrastructure.

We offer routine maintenance services to preserve the structural integrity and appearance of the bridge. This includes inspections, cleaning, corrosion protection, and repair recommendations. Preventative maintenance programs are available to extend the service life of the bridge.

Additionally, training sessions can be arranged for your maintenance personnel to ensure proper handling and upkeep of the steel components. We also provide comprehensive documentation including user manuals, installation guides, and safety protocols.

Our commitment is to deliver continuous support throughout the lifetime of your Steel Pedestrian Bridge, ensuring safety, reliability, and customer satisfaction.



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