



Prefabricated Weatherproof Steel Pedestrian Bridge With Bolted Connections and Customizable Width

Our Product Introduction

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Basic Information



Product Specification

- Deck: Anti Skid Steel / Aggerate
- Loadcapacity: Typically 400-600 Kg/m²
- Net Width: 1m, 1.2m, 1.5m, 2m, 3m
- Customizationoptions: Color, Length, Width, Railing Design
- Weight: Depends On Span And Design, Approx. 50-150 Kg/m²
- Installationmethod: Prefabricated Sections With Bolted Connections
- Surface: Painted Or Galvanized
- Environmentalresistance: Weatherproof, UV Resistant
- Highlight: **prefabricated steel walkway bridge, bolted connections modular bridge, steel pedestrian bridge framework**

Product Description:

The Steel Pedestrian Bridge is a robust and versatile solution designed specifically for foot traffic, making it an ideal choice for various urban and industrial environments. As a Steel Urban Footbridge, it offers a reliable and durable crossing option that seamlessly integrates into city landscapes, parks, campuses, and industrial sites. Engineered to meet stringent safety and durability requirements, this pedestrian bridge complies fully with local building codes and pedestrian bridge standards, ensuring both safety and structural integrity for all users.

This Steel Pedestrian Overpass is crafted from high-quality steel, a material known for its exceptional strength and longevity. The use of steel not only guarantees the bridge's ability to withstand heavy pedestrian loads but also provides resistance against environmental factors such as corrosion and wear, which is essential for outdoor installations. The weight of the bridge varies depending on the span and specific design, typically ranging between approximately 50 to 150 kilograms per square meter, allowing for tailored solutions that balance strength and efficiency.

One of the most significant advantages of this Steel Pedestrian Crossing Bridge is its customization options. Recognizing that each project has unique requirements, the bridge can be customized in terms of color, length, width, and railing design. This flexibility allows architects, urban planners, and engineers to create pedestrian bridges that not only meet functional needs but also complement the aesthetic of their surroundings. Whether it's a sleek modern color palette for a city center or a more subdued design for a natural park setting, the customization options ensure that the bridge fits perfectly within its environment.

Typical usage scenarios for the Steel Pedestrian Bridge include urban areas where safe and efficient foot traffic management is crucial. In busy city centers, the bridge facilitates smooth pedestrian flow above busy streets, reducing congestion and enhancing safety. In parks and campus environments, it provides an attractive and convenient way for people to navigate different areas, contributing to an enhanced user experience. Industrial sites also benefit from these bridges by enabling safe pedestrian crossings over hazardous zones or vehicle pathways, minimizing workplace accidents and improving operational efficiency.

Installation of the Steel Urban Footbridge is designed to be straightforward and adaptable, with modular components that can be easily transported and assembled on-site. This adaptability reduces construction time and minimizes disruption to the surrounding area during installation. Furthermore, the bridge's design allows for future modifications or expansions, making it a long-term investment for communities and businesses alike.

Safety is a paramount consideration in the design of the Steel Pedestrian Overpass. The railings are constructed to provide maximum security while maintaining visibility and aesthetics. The bridge's surface is engineered to offer excellent traction, reducing the risk of slips and falls even in wet conditions. Compliance with local building codes and pedestrian bridge standards ensures that every aspect of the bridge, from load capacity to structural stability, meets or exceeds regulatory requirements.

In summary, the Steel Pedestrian Bridge stands out as a highly functional, customizable, and safe solution for pedestrian crossings in diverse environments. Its adherence to design standards, combined with the strength and durability of steel construction, makes it an excellent choice for urban planners and developers looking to enhance pedestrian infrastructure. Whether serving as a Steel Urban Footbridge, Steel Pedestrian Overpass, or Steel Pedestrian Crossing Bridge, this product delivers exceptional performance and aesthetic flexibility to meet the demands of modern pedestrian traffic management.

Features:

Product Name: Steel Pedestrian Bridge

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

Installation Method: Prefabricated Sections With Bolted Connections

Weight: Depends On Span And Design, Approx. 50-150 Kg/m²

Safety Features: Handrails, Non-slip Surface

Environmental Resistance: Weatherproof, UV Resistant

Ideal as a Steel Urban Footbridge for enhanced connectivity in city environments

Designed as a Steel Elevated Footbridge to provide safe and efficient pedestrian passage

Robust Steel Urban Footbridge construction ensures durability and long-lasting performance

Technical Parameters:

| | |
|--------------------------|--------------------------------------------------------------------|
| Environmental Resistance | Weatherproof, UV Resistant |
| Load Capacity | Typically 400-600 Kg/m ² |
| Safety Features | Handrails, Non-slip Surface |
| Customization Options | Color, Length, Width, Railing Design |
| Corrosion Resistance | High |
| Net Width | 1m, 1.2m, 1.5m, 2m, 3m |
| Weight | Depends On Span And Design, Approx. 50-150 Kg/m ² |
| Design Standards | Complies With Local Building Codes And Pedestrian Bridge Standards |
| Deck | Anti Skid Steel / Aggregate |
| Bridge Type | Pedestrian |

Applications:

The Steel Pedestrian Bridge, commonly referred to as a Steel Pedestrian Overpass, is an essential infrastructure element designed to facilitate safe and efficient pedestrian movement across busy roads, railways, and other obstacles. Its robust Steel Footbridge Structure is engineered to comply with local building codes and pedestrian bridge standards, ensuring that it meets all regulatory requirements for safety and durability.

One of the primary application occasions for the Steel Pedestrian Overpass is in urban areas where heavy vehicle traffic necessitates a secure crossing for pedestrians. By elevating foot traffic above roadways, the Steel Footbridge Structure reduces the risk of accidents and alleviates congestion, improving overall traffic flow and pedestrian safety. These bridges are also widely used in parks and recreational areas, providing an aesthetically pleasing and practical solution for crossing rivers, ravines, or uneven terrain.

On university and corporate campuses, Steel Pedestrian Bridges serve as vital connectors between buildings and facilities, promoting walkability and accessibility. Their design incorporates safety features such as sturdy handrails and a non-slip surface, ensuring that users can cross with confidence regardless of weather conditions. The surface of the bridge is either painted for aesthetic appeal or galvanized for enhanced corrosion resistance, extending the lifespan of the structure even in harsh environments.

Industrial sites also benefit from Steel Footbridge Structures, where safe pedestrian pathways are critical amidst heavy machinery and vehicle operations. The prefabricated sections of the bridge facilitate fast and efficient installation through bolted connections, minimizing disruption to ongoing site activities. This modular installation method allows for customization and scalability to suit various site requirements and spatial constraints.

In summary, the Steel Pedestrian Overpass is a versatile and reliable solution for a wide range of pedestrian crossing needs. Its adherence to design standards, incorporation of safety features, durable surface treatments, and efficient installation method make it an ideal choice for urban settings, parks, campuses, and industrial environments. By integrating these bridges into the infrastructure, communities can enhance pedestrian safety, accessibility, and connectivity across diverse scenarios.

Customization:

Our Steel Pedestrian Bridge product offers comprehensive customization services to meet your specific project requirements. The Steel Footbridge Structure can be tailored in terms of weight, which depends on the span and design, typically ranging from approximately 50 to 150 Kg/m². The load capacity is designed to accommodate between 400 to 600 Kg/m², ensuring safety and durability for pedestrian traffic.

The Steel Elevated Footbridge features variable span lengths, generally between 10 to 50 meters, allowing flexibility to suit different site conditions. Safety features are integral to the design, including sturdy handrails and a non-slip surface to enhance pedestrian safety.

The deck of the Steel Pedestrian Overpass is customizable with options such as anti-skid steel or aggregate surfaces, providing excellent traction and longevity. Whether you require a specific span, load capacity, or safety enhancements, our customization services ensure the Steel Pedestrian Bridge meets your exact needs.

Support and Services:

Our Steel Pedestrian Bridge product is backed by comprehensive technical support and services to ensure optimal performance and customer satisfaction. We provide detailed installation guides, maintenance manuals, and engineering specifications to assist in the proper setup and upkeep of the bridge.

Our experienced technical team is available to offer expert advice on customization, load capacity, and environmental considerations. We also provide on-site inspection services and structural assessments to guarantee the safety and durability of the bridge throughout its lifespan.

For maintenance, we recommend regular inspections for corrosion, structural integrity, and surface wear. Our service packages include preventative maintenance plans, repair services, and replacement parts availability to minimize downtime and extend the service life of the pedestrian bridge.

We are committed to supporting our clients from project inception through to long-term operation, ensuring that the Steel Pedestrian Bridge meets all regulatory standards and performance expectations.



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