



Steel Pedestrian Bridge with Variable Span Length (10-50 Meters), High Corrosion Resistance, and Anti-Skid Deck

Basic Information



Product Specification

- EnvironmentalresistanceWeatherproof, UV Resistant
- Surface: Painted Or Galvanized
- Material: Steel
- Corrosionresistance: High
- Installationmethod: Prefabricated Sections With Bolted Connections
- Spanlength: Variable (typically 10-50 Meters)
- Designstandards: Complies With Local Building Codes And Pedestrian Bridge Standards
- Deck: Anti Skid Steel / Aggerate
- Highlight: **custom steel pedestrian footbridge, elevated steel bridge assembly, pedestrian access steel bridge**

Product Description:

The Steel Pedestrian Bridge is a robust and reliable solution designed to facilitate safe and efficient pedestrian crossings in various environments. Constructed from high-quality steel, this bridge exemplifies durability, strength, and long-lasting performance, making it an ideal choice for both urban and rural settings. The use of steel as the primary material ensures that the bridge can withstand heavy foot traffic, adverse weather conditions, and minimal maintenance requirements over its lifespan, providing a cost-effective infrastructure investment.

One of the key highlights of this Steel Pedestrian Bridge is its comprehensive safety features, which prioritize pedestrian well-being at every step. Equipped with sturdy handrails on both sides, the bridge offers essential support and guidance, reducing the risk of falls or accidents. Additionally, the walking surface incorporates a non-slip design, enhancing traction even in wet or icy conditions. This combination of handrails and a non-slip surface ensures that users can cross confidently and securely, regardless of the environment or weather.

The design of the Steel Pedestrian Bridge strictly adheres to local building codes and pedestrian bridge standards, ensuring regulatory compliance and structural integrity. This commitment to design standards guarantees that the bridge meets or exceeds safety, durability, and accessibility requirements mandated by authorities. Such compliance not only fosters trust among communities and stakeholders but also facilitates the bridge's approval and installation processes across various municipalities and regions.

Versatility is another prominent feature of this Steel Pedestrian Bridge. It is available in multiple net width options, including 1 meter, 1.2 meters, 1.5 meters, 2 meters, and 3 meters, allowing for customization based on site-specific needs and pedestrian traffic volumes. Whether the requirement is for a narrow walkway or a broader crossing to accommodate larger groups or accessibility devices, this range of widths ensures the bridge can be tailored accordingly. This adaptability makes the Steel Pedestrian Bridge suitable for parks, commercial areas, campuses, and transit stations alike.

As a specialized pedestrian bridge type, this Steel Footbridge Structure is engineered to serve solely foot traffic, ensuring that its design prioritizes pedestrian comfort and safety without the complications of vehicular load requirements. The structure's streamlined yet robust framework integrates seamlessly into urban landscapes while maintaining an aesthetic appeal that complements its functional role. This Steel Pedestrian Overpass is an excellent solution for crossing roads, railways, waterways, or other obstacles where pedestrian separation is essential for safety and efficiency.

Additionally, the Steel Walkway Bridge offers ease of installation and maintenance. Its modular components and standardized design facilitate quick assembly and allow for future modifications or expansions if necessary. The steel material's resistance to corrosion and wear further reduces upkeep efforts, ensuring that the bridge remains safe and visually appealing over time.

In summary, the Steel Pedestrian Bridge combines the strength and resilience of steel with essential safety features like handrails and a non-slip surface to create a dependable pedestrian crossing solution. Complying with all relevant local building codes and pedestrian bridge standards, it offers multiple net width options to suit diverse site requirements. Whether referred to as a Steel Footbridge Structure, Steel Pedestrian Overpass, or Steel Walkway Bridge, this product represents an optimal choice for communities and organizations seeking a durable, safe, and efficient pedestrian bridge.

Features:

Product Name: Steel Pedestrian Bridge

Material: High-quality Steel ensuring durability and strength

Design Standards: Complies with local building codes and pedestrian bridge standards

Weight: Varies depending on span and design, approximately 50-150 Kg/m²

Net Width Options: 1m, 1.2m, 1.5m, 2m, and 3m

Load Capacity: Typically supports 400-600 Kg/m²

Suitable for use as a Steel Footbridge Structure, providing safe pedestrian passage

Ideal for Steel Pedestrian Crossing Bridge applications in urban and rural settings

Can be utilized as a Steel Pedestrian Overpass to enhance pedestrian safety over busy roads

Technical Parameters:

Design Standards	Complies With Local Building Codes And Pedestrian Bridge Standards
Weight	Depends On Span And Design, Approx. 50-150 Kg/m ²
Deck	Anti Skid Steel / Aggregate
Environmental Resistance	Weatherproof, UV Resistant
Net Width	1m, 1.2m, 1.5m, 2m, 3m
Material	Steel
Surface	Painted Or Galvanized
Safety Features	Handrails, Non-slip Surface
Span Length	Variable (typically 10-50 Meters)
Corrosion Resistance	High

Applications:

The Steel Pedestrian Bridge is an ideal solution for a variety of application occasions and scenarios where safe and efficient pedestrian crossing is essential. Designed as a Steel Elevated Footbridge, it is particularly suited for urban areas, parks, commercial complexes, campuses, and transit hubs where foot traffic is heavy and uninterrupted movement is a priority. Its robust Steel Footbridge Structure ensures reliable performance under demanding conditions, making it perfect for both public and private installations.

One of the primary application occasions for the Steel Pedestrian Overpass is in busy city streets or highways where pedestrian safety is paramount. By providing a dedicated pathway above vehicular traffic, it significantly reduces the risk of accidents and improves traffic flow. Additionally, it can be effectively used in industrial zones to facilitate safe crossing over railway tracks or machinery areas, where ground-level crossing is hazardous.

The bridge's load capacity, typically ranging from 400 to 600 Kg/m², makes it suitable for accommodating large volumes of pedestrians simultaneously, including those with mobility aids or bicycles. This load-bearing capability ensures that the Steel Footbridge Structure remains stable and secure even during peak usage times, providing peace of mind to users and operators alike.

The surface of the Steel Pedestrian Bridge can be finished with either painted or galvanized coatings, both of which offer excellent protection against corrosion and wear. This feature, combined with its weatherproof and UV-resistant environmental resistance, makes the bridge highly durable and low-maintenance, capable of withstanding diverse climatic conditions without compromising safety or aesthetics.

Customization options further enhance the versatility of the Steel Pedestrian Overpass. Clients can select from various colors, lengths, widths, and railing designs to best fit the specific requirements and architectural style of the installation site. This adaptability allows the bridge to blend seamlessly into different environments while meeting functional demands.

Whether used in urban development projects, recreational parks, educational institutions, or transportation networks, the Steel Elevated Footbridge offers a dependable, safe, and visually appealing pedestrian crossing solution. Its combination of strength, durability, and customization makes it a preferred choice for enhancing pedestrian infrastructure in a wide range of scenarios.

Customization:

Our Steel Pedestrian Bridge offers comprehensive product customization services tailored to meet your specific needs. Designed as a Steel Pedestrian Overpass, this bridge supports a load capacity typically ranging from 400 to 600 Kg/m², ensuring robust strength and durability. Constructed from high-quality steel, the Steel Urban Footbridge is engineered to withstand various environmental conditions, featuring weatherproof and UV-resistant properties that guarantee long-lasting performance.

Safety is paramount in our design, with essential features including sturdy handrails and a non-slip surface to provide secure footing for all pedestrians. Whether you require a Steel Elevated Footbridge for urban environments or other applications, our customization options allow you to adapt the bridge type, dimensions, and safety elements to perfectly suit your project requirements.

Choose our Steel Pedestrian Bridge customization services to benefit from a reliable, safe, and environmentally resistant solution that enhances pedestrian connectivity and urban infrastructure.

Support and Services:

Our Steel Pedestrian Bridge product is designed for durability, safety, and ease of installation. For technical support, we provide comprehensive guidance on assembly, maintenance, and troubleshooting to ensure optimal performance.

Installation services include site assessment, custom design consultation, and on-site assembly support by our experienced engineers. We also offer routine maintenance packages to extend the lifespan of your bridge, including corrosion protection, structural inspections, and repairs.

Should you encounter any issues with your Steel Pedestrian Bridge, our technical support team is ready to assist with diagnostics and solutions tailored to your specific installation environment. We recommend regular inspections and adherence to our maintenance guidelines to prevent common issues.

For detailed product manuals, installation guides, and maintenance instructions, please refer to the documentation provided with your purchase or visit our online resources.



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