Steel Pedestrian Bridge with Anti-Skid Deck High Corrosion Resistance and Prefabricated Sections for Safe Pedestrian Crossings

Our Product Introduction

Basic Information

Product Specification

- Weight: Depends On Span And Design, Approx. 50-150 Kg/m²
- Installationmethod: Prefabricated Sections With Bolted Connections
- Customizationoptions: Color, Length, Width, Railing Design
- Spanlength: Variable (typically 10-50 Meters)
- Deck: Anti Skid Steel / Aggerate
- Net Width: 1m,1.2m,1.5m,2m, 3m
- Bridgetype: Pedestrian
- Corrosionresistance: High
- Highlight: **Anti-Skid Deck Steel Pedestrian Bridge**, **High Corrosion Resistance Steel Footbridge**, **Prefabricated Sections Steel Walkway Bridge**

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Product Description

Product Description:

The Steel Pedestrian Bridge is a robust and reliable solution designed to provide safe and efficient passage for pedestrians across various obstacles such as roads, railways, rivers, and industrial zones. Engineered with a focus on durability, safety, and compliance, this steel footbridge structure is an ideal choice for urban areas, parks, campuses, and industrial sites. It is engineered to withstand typical pedestrian traffic loads, offering a load capacity typically ranging between 400 to 600 kilograms per square meter, ensuring both stability and security for users.

Constructed from high-quality steel materials, the steel walkway bridge combines strength with longevity. The steel framework is either painted or galvanized, providing excellent corrosion resistance and minimal maintenance requirements. The painted finish offers a smooth, aesthetically pleasing appearance suitable for urban and landscaped environments, while the galvanized option ensures superior protection against harsh weather conditions and industrial pollutants. This versatility allows the steel walkway bridge to be adapted to various environmental settings without compromising its structural integrity.

Safety is paramount in the design of this steel pedestrian bridge. It features sturdy handrails on both sides, which provide essential support and prevent accidental falls, especially in areas with higher foot traffic or elevated positions. Additionally, the walking surface is treated with a non-slip coating, reducing the risk of slips and falls even in wet or icy conditions. These safety features make the steel footbridge structure particularly suitable for locations where pedestrian safety is a critical concern, such as school campuses, parks, and busy urban intersections.

The design of the steel pedestrian bridge strictly complies with local building codes and pedestrian bridge standards. This adherence ensures that the bridge meets or exceeds all regulatory requirements for load capacity, structural integrity, and safety. The bridge design process involves rigorous engineering analysis and quality assurance measures, making it a dependable infrastructure element that city planners and developers can trust. By conforming to local standards, the steel walkway bridge facilitates smooth approval processes and integration into existing urban and industrial landscapes.

One of the key advantages of the steel pedestrian bridge is its adaptability and ease of installation. The modular steel components can be prefabricated and assembled on-site, significantly reducing construction time and minimizing disruption to the surrounding environment. This modular design also allows for customization in length, width, and height, accommodating different site requirements and pedestrian traffic volumes. Whether spanning a small park pond or a busy industrial conveyor line, the steel footbridge structure can be tailored to fit the specific needs of the project.

Typical usage scenarios for this steel walkway bridge include urban pedestrian crossings, recreational pathways in parks, connecting walkways between buildings on campuses, and safe pedestrian access routes within industrial sites. Its strong load capacity and durable construction make it suitable for daily use by a diverse range of pedestrians, including individuals with disabilities, children, and elderly users. The bridge's modern design and practical features enhance both the functionality and aesthetic appeal of public spaces.

In conclusion, the Steel Pedestrian Bridge represents an excellent investment in pedestrian infrastructure, combining strength, safety, and compliance with local regulations. Its steel footbridge structure, equipped with handrails and a non-slip surface, ensures secure passage for pedestrians in various environments. With options for painted or galvanized finishes, this steel walkway bridge offers flexibility and resilience suitable for urban areas, parks, campuses, and industrial sites alike. By choosing this steel pedestrian bridge, communities and organizations can enhance accessibility, safety, and connectivity in a cost-effective and sustainable manner.

Features:

Product Name: Steel Pedestrian Bridge

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

Load Capacity: Typically 400-600 Kg/m²

Deck Options: Anti Skid Steel / Aggregate

Installation Method: Prefabricated Sections with Bolted Connections

Customization Options: Color, Length, Width, Railing Design

Ideal for use as a Steel Elevated Footbridge, Steel Pedestrian Overpass, and Steel Pedestrian Crossing Bridge

Technical Parameters:

Installation Method	Prefabricated Sections With Bolted Connections
Design Standards	Complies With Local Building Codes And Pedestrian Bridge Standards
Environmental Resistance	Weatherproof, UV Resistant
Deck	Anti Skid Steel / Aggregate
Material	Steel
Weight	Depends On Span And Design, Approx. 50-150 Kg/m²
Bridge Type	Pedestrian
Span Length	Variable (typically 10-50 Meters)
Safety Features	Handrails, Non-slip Surface
Load Capacity	Typically 400-600 Kg/m²

Applications:

The Steel Pedestrian Overpass is an ideal solution for a wide range of application occasions and scenarios where safe and durable pedestrian crossing is essential. Thanks to its variable span length, typically ranging from 10 to 50 meters, this Steel Footbridge Structure can be customized to fit diverse environments, from urban streets to parks and industrial zones. Its adaptability makes it suitable for both short and medium-span crossings, accommodating the specific spatial and functional requirements of each site.

One of the most common application occasions for the Steel Pedestrian Overpass is in busy urban areas where pedestrian traffic needs to be separated from vehicular flow. This not only enhances safety but also improves traffic efficiency by preventing pedestrian-vehicle conflicts. The robust steel construction ensures that the bridge can withstand heavy foot traffic while maintaining structural integrity over time.

In recreational parks, nature reserves, or waterfronts, the Steel Footbridge Structure serves as an elegant yet sturdy crossing over rivers, streams, or uneven terrain. The deck options, including Anti Skid Steel and aggregate surfaces, provide excellent traction even in wet or slippery conditions, ensuring pedestrian safety in all weather scenarios. Moreover, the weatherproof and UV-resistant properties of the materials guarantee long-lasting performance despite exposure to harsh environmental elements.

Industrial sites and large commercial complexes also benefit from the Steel Pedestrian Overpass by facilitating safe movement of personnel across busy or hazardous areas. The high corrosion resistance of the steel used in the structure makes it especially suitable for environments exposed to moisture, chemicals, or salt, such as coastal regions or manufacturing plants.

The installation method of prefabricated sections with bolted connections allows for quick and efficient assembly on-site, minimizing disruption to surrounding activities. This modular construction approach ensures precision engineering and quality control while enabling easy maintenance and potential future expansion.

Overall, the Steel Pedestrian Overpass is a versatile and reliable choice for a variety of pedestrian crossing needs. Its combination of adjustable span length, anti-skid decking, environmental and corrosion resistance, and straightforward installation makes it an excellent investment for municipalities, park authorities, industrial operators, and developers seeking a safe, durable, and low-maintenance steel footbridge structure.

Customization:

Our Steel Pedestrian Bridge offers comprehensive product customization services to meet the specific needs of your project. As a reliable Steel Urban Footbridge solution, it can be tailored in various aspects including color, length, width, and railing design, ensuring it perfectly fits your urban environment and aesthetic requirements.

The bridge surface is available in either painted or galvanized finishes, providing durability and resistance to environmental factors. The deck features an anti-skid steel or aggregate surface to enhance safety and prevent slipping, making it ideal for high foot traffic areas. Designed as a Steel Footbridge Structure, this pedestrian crossing bridge supports a load capacity typically ranging from 400 to 600 Kg/m², ensuring robust performance under heavy use. Safety features such as sturdy handrails and a non-slip surface are integrated to maximize pedestrian protection.

Whether you need a Steel Pedestrian Crossing Bridge for urban development or recreational areas, our customization services guarantee a solution that combines strength, safety, and style tailored to your exact specifications.

Support and Services:

Our Steel Pedestrian Bridge product is designed to provide durable and reliable crossing solutions for various pedestrian applications. To ensure optimal performance and longevity, we offer comprehensive technical support and services.

Technical support includes assistance with design specifications, installation guidance, and maintenance procedures. Our team of experts is available to help you understand load capacities, environmental considerations, and customization options to meet your project requirements.

We provide detailed installation manuals and engineering drawings to facilitate proper assembly and secure installation. Additionally, routine maintenance services are recommended to preserve the structural integrity and appearance of the bridge, including inspections for corrosion, repainting, and hardware tightening.

For any technical inquiries or service requests, our dedicated support team is committed to delivering timely and effective solutions to ensure your Steel Pedestrian Bridge remains safe and functional for years to come.

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