



Weatherproof UV Resistant Steel Pedestrian Bridge with Anti Skid Deck for Safe Pedestrian Passage

Basic Information



Product Specification

- Spanlength: Variable (typically 10-50 Meters)
- Material: Steel
- EnvironmentalresistanceWeatherproof, UV Resistant
- Customizationoptions: Color, Length, Width, Railing Design
- Deck: Anti Skid Steel / Aggerate
- Weight: Depends On Span And Design, Approx. 50-150 Kg/m²
- Bridgetype: Pedestrian
- Corrosionresistance: High
- Highlight: **steel pedestrian bridge handrails, safety handrails for pedestrian crossing, secure steel bridge passage**

Product Description:

The Steel Pedestrian Bridge is a highly durable and versatile structure designed specifically to facilitate safe and efficient pedestrian movement across various types of obstacles such as roads, railways, and waterways. As a premium Steel Pedestrian Overpass solution, this bridge combines robust construction with essential safety features, making it an ideal choice for urban planners, municipalities, and private developers aiming to enhance pedestrian infrastructure.

Constructed from high-quality steel, the Steel Pedestrian Crossing Bridge ensures exceptional strength and longevity. Steel as a material offers high corrosion resistance, which significantly extends the lifespan of the bridge even when exposed to harsh weather conditions and environmental factors. This corrosion resistance is a critical attribute that minimizes maintenance costs and guarantees the bridge remains structurally sound and visually appealing over time.

Safety is a paramount consideration in the design of the Steel Pedestrian Bridge. The bridge incorporates sturdy handrails on both sides, providing pedestrians with reliable support and preventing accidental falls. These handrails are designed to be ergonomically friendly and comply with all relevant safety standards. Additionally, the bridge features a non-slip surface, which greatly reduces the risk of slips and falls, especially during wet or icy conditions. This makes the Steel Walkway Bridge suitable for use in a variety of climates and weather patterns, ensuring pedestrian safety at all times.

Load capacity is another critical aspect of this Steel Pedestrian Overpass. The bridge is engineered to support typical pedestrian loads ranging from 400 to 600 kilograms per square meter. This capacity is more than sufficient for accommodating heavy foot traffic in busy urban areas, parks, campuses, and commercial zones. The robust load-bearing capability ensures that the bridge can handle large groups of people simultaneously without compromising structural integrity or safety.

One of the standout features of this Steel Pedestrian Crossing Bridge is its extensive customization options. Recognizing that each project has unique requirements, the bridge can be tailored in terms of color, length, width, and railing design. This flexibility allows architects and engineers to seamlessly integrate the bridge into the surrounding environment, enhancing aesthetic appeal while meeting functional needs. Whether a sleek modern look with minimalist railings or a more traditional style with decorative elements is desired, the customization options make it possible to achieve the perfect balance between form and function.

In addition to its practical attributes, the Steel Walkway Bridge is also designed for ease of installation and maintenance. Prefabricated steel components can be quickly assembled on-site, reducing construction time and minimizing disruption to existing traffic or pedestrian flows. Moreover, the corrosion-resistant properties of the steel reduce the frequency and cost of maintenance activities, ensuring the bridge remains safe and attractive for many years.

Overall, the Steel Pedestrian Bridge stands out as a superior solution for pedestrian infrastructure needs. Its combination of high load capacity, advanced safety features such as handrails and non-slip surfaces, customizable design options, and exceptional corrosion resistance make it a reliable and attractive choice for any location requiring a safe and durable pedestrian crossing. Whether used as a Steel Pedestrian Overpass in a bustling city or as a Steel Walkway Bridge in a park or campus setting, this product delivers outstanding performance and safety, contributing significantly to pedestrian convenience and security.

Features:

Product Name: Steel Pedestrian Bridge

Type: Steel Elevated Footbridge, Steel Walkway Bridge, Steel Urban Footbridge

Material: High-quality Steel for durability and strength

Customization Options:

Color

Length

Width

Railing Design

Span Length: Variable, typically ranging from 10 to 50 meters

Bridge Type: Pedestrian

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

Technical Parameters:

Bridge Type	Pedestrian
Environmental Resistance	Weatherproof, UV Resistant
Load Capacity	Typically 400-600 Kg/m ²
Typical Usage	Urban Areas, Parks, Campuses, Industrial Sites
Customization Options	Color, Length, Width, Railing Design
Span Length	Variable (typically 10-50 Meters)
Weight	Depends On Span And Design, Approx. 50-150 Kg/m ²
Corrosion Resistance	High
Surface	Painted Or Galvanized
Design Standards	Complies With Local Building Codes And Pedestrian Bridge Standards

Applications:

The Steel Pedestrian Bridge is an ideal solution for various application occasions and scenarios, providing safe and durable passageways for pedestrians. Designed with a robust anti-skid steel or aggregate deck, this steel walkway bridge ensures maximum safety and stability even in wet or slippery conditions. Its non-slip surface significantly reduces the risk of accidents, making it perfect for high-traffic areas where pedestrian safety is paramount.

Complying with local building codes and pedestrian bridge standards, the steel pedestrian overpass is engineered to meet stringent safety and structural requirements. This ensures that the bridge can withstand daily wear and tear while providing reliable support over roads, railways, and waterways. The inclusion of sturdy handrails further enhances user safety, offering additional security for all pedestrians, including children, elderly individuals, and people with disabilities.

Typical usage scenarios for the steel urban footbridge include urban areas, parks, school campuses, and industrial sites. In bustling urban environments, this pedestrian bridge facilitates safe crossing over busy streets, reducing pedestrian-vehicle conflicts and improving overall traffic flow. Within parks and recreational areas, it provides an aesthetically pleasing yet functional pathway, allowing visitors to enjoy nature without interrupting natural waterways or terrain.

On school and university campuses, the steel pedestrian overpass creates secure connections between buildings and parking areas, promoting walkability and encouraging a healthy lifestyle. Industrial sites benefit from these steel walkway bridges by enabling safe transit over hazardous zones such as conveyor belts, rail tracks, or heavy machinery areas, thereby minimizing workplace accidents and improving operational efficiency.

Overall, the steel pedestrian bridge is a versatile and reliable infrastructure component. Its combination of anti-skid decking, compliance with design standards, and essential safety features like handrails make it an excellent choice for enhancing pedestrian mobility and safety across diverse environments. Whether serving as a steel urban footbridge in a city center or as a steel pedestrian overpass in an industrial park, this product meets the demands of modern pedestrian infrastructure with strength, safety, and durability.

Customization:

Our Steel Pedestrian Bridge product offers comprehensive customization services to meet your specific needs. Designed as a Steel Footbridge Structure, it is available in various net widths including 1m, 1.2m, 1.5m, 2m, and 3m, ensuring the perfect fit for any location. The bridge features excellent environmental resistance, being both weatherproof and UV resistant, which guarantees durability in diverse outdoor conditions.

The surface of the bridge can be customized with either painted or galvanized finishes, providing enhanced protection and aesthetic appeal. Ideal for typical usage in urban areas, parks, campuses, and industrial sites, our Steel Elevated Footbridge is engineered to combine functionality with long-lasting performance.

Whether you require a Steel Walkway Bridge for pedestrian traffic or an elevated solution, our customization services ensure that the bridge meets your exact specifications while maintaining structural integrity and safety standards.

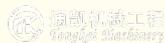
Support and Services:

Our Steel Pedestrian Bridge product comes with comprehensive technical support and services to ensure optimal performance and longevity. We offer expert consultation during the planning and installation phases to help you select the right bridge design that meets your specific requirements.

Installation support is provided by our skilled technicians to guarantee adherence to safety standards and structural integrity. We also supply detailed maintenance guidelines and inspection schedules to assist in preserving the bridge's condition over time.

In the event of any issues or defects, our customer service team is ready to provide prompt troubleshooting assistance and coordinate necessary repairs or part replacements. Additionally, we offer training sessions for maintenance personnel to ensure proper handling and upkeep of the bridge.

Regular updates on product improvements and upgrades are communicated to keep your infrastructure modern and reliable. Our commitment is to deliver durable, safe, and efficient pedestrian bridge solutions backed by dedicated technical support and service excellence.



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