



Hot-dip Galvanized Highway Guardrail M180 with W-beam Section Shape Bolted to Steel Posts for Enhanced Road Safety

Basic Information



Product Specification

- Finish: Hot-dip Galvanized
- Installation method: Bolted To Steel Posts
- Surface Treatment: Hot-dip Galvanized
- Impact resistance: Designed To Absorb And Deflect Vehicle Impact
- Applicable Road Type: Highway
- Corrosion resistance: High
- Connection Type: Bolted
- Width: 310mm
- Highlight: hot-dip galvanized highway guardrail, 2 meters post spacing traffic barrier, M180 highway safety guardrail

Product Description:

The Highway Guardrail M180 is a robust and reliable highway traffic barrier designed to enhance road safety and protect motorists in various traffic environments. Featuring a distinctive W-beam section shape, this guardrail combines durability with effective impact absorption, making it an essential roadside protective barrier for highways, expressways, and other critical traffic areas. Its design ensures that vehicles encountering the guardrail are safely redirected, minimizing damage and reducing the risk of severe accidents. Constructed with high-quality materials, the Highway Guardrail M180 boasts a silver metallic finish that not only provides a sleek and professional appearance but also offers excellent resistance to corrosion and weathering. This ensures long-lasting performance even in harsh environmental conditions. The W-beam shape is specifically engineered to absorb and dissipate collision energy efficiently, providing superior strength and flexibility compared to traditional guardrail designs.

One of the key features of the Highway Guardrail M180 is its installation method, which involves bolting the guardrail to steel posts. This bolted connection type enables quick and secure installation, allowing for easy maintenance and replacement when necessary. The bolted assembly also ensures a strong and stable connection between the guardrail and its supporting posts, enhancing overall system integrity and reliability. This method facilitates adaptability to different terrains and installation requirements, making it a versatile solution for various roadside applications.

As a road safety guardrail, the M180 model is engineered to meet stringent safety standards and regulations, ensuring that it performs effectively under impact conditions. Its W-beam shape is optimized to reduce vehicle damage and occupant injury by controlling vehicle movement and preventing vehicles from veering off the road or colliding with roadside hazards. This roadside protective barrier is ideal for use along highway medians, curves, bridges, and embankments, where the potential for vehicle run-off or collisions is higher.

The combination of the W-beam section shape and the bolted to steel posts installation method provides a balance of strength, flexibility, and ease of assembly. The silver metallic color enhances visibility, making the guardrail clearly noticeable to drivers during both day and night, which further contributes to traffic safety. Additionally, the bolted connection type allows for modular installation, meaning sections of the guardrail can be replaced or extended with minimal disruption to traffic flow.

The Highway Guardrail M180 is not only effective in protecting vehicles and passengers but also in safeguarding pedestrians and infrastructure adjacent to roadways. Its robust construction helps absorb impact forces, reducing the severity of accidents and protecting critical roadside elements such as signposts, light poles, and utility installations. This makes it an indispensable element of modern traffic management systems aimed at reducing road fatalities and injuries.

Moreover, the guardrail's design ensures compliance with industry standards for highway traffic barriers, making it a preferred choice for transportation authorities and contractors worldwide. Its adaptability to various road conditions and ease of installation contribute to cost-effective deployment and maintenance, providing long-term value and improved safety outcomes.

In summary, the Highway Guardrail M180 is a high-performance roadside protective barrier featuring a W-beam section shape, bolted connection type, and installation method bolted to steel posts. Its silver metallic color enhances durability and visibility, while its design prioritizes road safety by effectively managing vehicle impacts. This road safety guardrail is an excellent solution for highway traffic barriers, ensuring safer roads and protecting lives across diverse traffic environments.

Features:

Product Name: Highway Guardrail M180

Applicable Road Type: Highway

Surface Treatment: Hot-dip Galvanized for enhanced durability

Corrosion resistance: High, ensuring long-lasting performance

Section Shape: W-beam design for optimal strength

Maintenance: Low maintenance required, reducing upkeep costs

Function: Acts as a reliable Road Safety Guardrail

Purpose: Serves as an effective Roadside Protective Barrier

Ensures enhanced safety and protection on highways

Technical Parameters:

Height	80 Centimeters
Impact Resistance	Designed To Absorb And Deflect Vehicle Impact
Maintenance	Low Maintenance Required
Warranty	10 Years
Shape	W-beam
Connection Type	Bolted
Installation Method	Bolted To Steel Posts
Post Spacing	2 Meters
Section Shape	W-beam
Applicable Road Type	Highway

Applications:

The M180 Crash Barrier is an essential roadside safety solution designed to enhance highway safety by effectively absorbing and deflecting vehicle impacts. This M180 Steel Guardrail is widely used as a Roadside Protective Barrier to prevent vehicles from veering off the road, thereby reducing the risk of accidents and improving overall traffic safety. Its robust construction and reliable performance make it an ideal choice for various highway and roadway applications.

One of the primary application occasions for the M180 Crash Barrier is along highways and expressways where high-speed traffic demands superior protection. It is commonly installed in areas prone to severe accidents, such as sharp curves, bridge approaches, and embankments. Additionally, the M180 Steel Guardrail is frequently used near construction zones and work sites to ensure the safety of both motorists and workers by providing a strong physical barrier against potential collisions.

The installation method of the M180 Crash Barrier involves bolting the W-beam guardrail panels to sturdy steel posts, which ensures a secure and stable setup. This bolted-to-steel-posts installation technique allows for quick assembly and disassembly, making it suitable for both permanent and temporary safety measures. The W-beam shape of the guardrail is specifically engineered to absorb impact energy efficiently, minimizing vehicle damage and occupant injury during collisions.

Finished with a hot-dip galvanized coating, the M180 Steel Guardrail exhibits high corrosion resistance, making it highly durable in various environmental conditions, including rain, snow, and salt exposure. This finish significantly extends the lifespan of the roadside protective barrier by preventing rust and deterioration over time. Due to its corrosion-resistant properties and sturdy construction, the M180 Crash Barrier requires low maintenance, reducing long-term upkeep costs and ensuring consistent performance.

Overall, the M180 Crash Barrier is an indispensable component for highway safety, offering reliable protection in diverse scenarios such as urban highways, rural roads, mountainous terrains, and coastal areas. Its combination of easy installation, high corrosion resistance, and low maintenance requirements makes the M180 Steel Guardrail a practical and cost-effective solution for safeguarding roadways and protecting lives.

Customization:

Our Highway Guardrail M180 product offers customizable solutions to enhance roadside safety and durability. Featuring a bolted connection type, this Highway Safety Guardrail ensures easy and secure assembly. The surface treatment is hot-dip galvanized, providing excellent corrosion resistance and long-lasting performance in various weather conditions. Designed as a W-beam shape, the guardrail effectively absorbs and deflects impact, making it an ideal Road Safety Guardrail for high-traffic highways. Installation is straightforward with a bolted method to steel posts, allowing for quick and reliable setup. Additionally, the Roadside Protective Barrier requires low maintenance, reducing long-term upkeep costs while maintaining optimal safety standards.

Support and Services:

Our Highway Guardrail M180 product is designed to meet the highest standards of safety and durability for road protection systems. For technical support, we provide comprehensive assistance including installation guidance, maintenance procedures, and troubleshooting tips to ensure optimal performance.

Services include detailed product documentation, on-site inspection support, and customized solutions tailored to specific project requirements. We also offer training sessions for installation teams to enhance proper handling and setup of the guardrail system. Regular maintenance services are recommended to prolong the lifespan of the M180 guardrail, including routine checks for damage, corrosion, and alignment. Our technical team is available to assist with any technical queries or service requests to maintain safety compliance and operational efficiency.



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