



Hot-dip Galvanized Highway Guardrail M180 with W-beam Shape and 80cm Height for Enhanced Road Safety

Basic Information



Product Specification

- Warranty: 10 Years
- Height: 80 Centimeters
- Shape: W-beam
- Finish: Hot-dip Galvanized
- Impactresistance: Designed To Absorb And Deflect Vehicle Impact
- Applicable Road Type: Highway
- Maintenance: Low Maintenance Required
- Section Shape: W-beam
- Highlight: **Hot-dip galvanized highway guardrail M180, Bolted connection road barrier, Silver metallic traffic safety guardrail**

Product Description:

The Highway Guardrail M180 is a premium quality Road Safety Guardrail designed to enhance vehicular safety along highways and other critical traffic zones. Engineered with precision, this M180 Steel Guardrail features a robust W-beam shape, which is widely recognized for its superior performance in absorbing and deflecting vehicle impacts. With a width of 310mm, it provides an optimal barrier size that balances strength and flexibility, ensuring effective protection for both motorists and infrastructure.

One of the standout attributes of the Highway Guardrail M180 is its exceptional impact resistance. This Highway Traffic Barrier is meticulously designed to absorb the energy generated during vehicle collisions, thereby minimizing damage to the vehicle and dramatically reducing the risk of injury to passengers. The W-beam configuration plays a crucial role in this process by distributing the force of impact evenly along the barrier, which helps to deflect vehicles safely away from hazardous areas and prevents them from crossing into oncoming traffic lanes.

In addition to its impressive impact resistance, the M180 Steel Guardrail boasts high corrosion resistance, making it an ideal choice for various environmental conditions. Whether installed in coastal regions prone to saltwater exposure or in areas with high humidity and frequent rainfall, this guardrail maintains its structural integrity and appearance for extended periods. The corrosion-resistant properties are achieved through advanced galvanization and coating techniques, ensuring longevity and minimal degradation over time. Another significant advantage of the Highway Guardrail M180 is its low maintenance requirements. Unlike many traditional barriers that demand frequent inspections, repairs, and replacements, this guardrail is engineered to withstand harsh weather and heavy traffic loads without compromising performance. This low maintenance characteristic not only reduces the overall lifecycle cost but also ensures continuous protection without the need for frequent interventions, making it an economically sound investment for highway authorities and traffic management agencies.

Installation of the Highway Guardrail M180 is straightforward due to its standardized dimensions and compatibility with various mounting systems. The 310mm width ensures that it fits seamlessly into existing infrastructure setups while providing ample surface area to manage impact forces effectively. This compatibility simplifies upgrades and expansions of highway safety networks, allowing for scalable and flexible deployment across different road types and traffic scenarios.

Moreover, the M180 Steel Guardrail is compliant with international safety standards and regulations, making it a trusted choice for road safety projects worldwide. Its design has been rigorously tested to meet stringent performance criteria, guaranteeing reliable protection in real-world conditions. By incorporating this Highway Traffic Barrier into road safety systems, transportation authorities can significantly enhance the safety profile of highways, reduce accident severity, and save lives.

In summary, the Highway Guardrail M180 is a state-of-the-art Road Safety Guardrail that combines a durable W-beam shape with a 310mm width, high corrosion resistance, and superior impact resistance. Its low maintenance requirements and ease of installation further add to its appeal as a cost-effective and reliable highway safety solution. Whether used on busy urban highways or remote rural roads, this M180 Steel Guardrail offers unmatched protection, helping to create safer travel environments and contributing to the overall efficiency of traffic management systems.

Features:

Product Name: Highway Guardrail M180

Height: 80 Centimeters

Connection Type: Bolted

Color: Silver Metallic

Shape: W-beam

Finish: Hot-dip Galvanized

Designed as an M180 Crash Barrier for enhanced road safety

Provides reliable protection as a Highway Safety Guardrail

Ideal for use as a Highway Safety Guardrail ensuring vehicle containment

Technical Parameters:

Shape	W-beam
Maintenance	Low Maintenance Required
Finish	Hot-dip Galvanized
Impact Resistance	Designed To Absorb And Deflect Vehicle Impact
Connection Type	Bolted
Section Shape	W-beam
Surface Treatment	Hot-dip Galvanized
Width	310mm
Warranty	10 Years
Post Spacing	2 Meters

The M180 Steel Guardrail is a high-quality Road Safety Guardrail designed for durability and optimal protection. The M180 Steel Guardrail features a W-beam shape with hot-dip galvanized finish to ensure long-lasting corrosion resistance and requires low maintenance. Its bolted connection type and 2-meter post spacing provide secure installation, while the structure is engineered to absorb and deflect vehicle impacts effectively, backed by a 10-year warranty.

Applications:

The M180 Steel Guardrail is specifically designed for use on highways, providing an essential safety barrier that enhances road safety for all types of vehicles. Its primary application is as a Highway Safety Guardrail, strategically installed along busy expressways, interstates, and high-speed roads where vehicle collisions and run-off-road accidents are more likely to occur. The guardrail acts as a critical protective element, minimizing the severity of accidents by absorbing impact energy and preventing vehicles from veering off the road or crossing into oncoming traffic lanes.

Due to its high corrosion resistance, the M180 Steel Guardrail is ideal for outdoor environments exposed to varying weather conditions, including heavy rain, snow, and intense sunlight. This durability ensures that the guardrail maintains its structural integrity and safety performance over long periods without significant deterioration. As a result, it is particularly suitable for highways in regions with harsh climates or coastal areas where salt and moisture can accelerate corrosion in lesser materials.

The design dimensions of the M180 Steel Guardrail, with a height of 80 centimeters and a width of 310 millimeters, make it a robust and effective barrier. These measurements allow the guardrail to provide optimal containment and redirection of vehicles during collisions while maintaining visibility for drivers. Its low maintenance requirement further enhances its suitability for highways, as it reduces the need for frequent inspections, repairs, and replacements, thereby lowering overall maintenance costs and minimizing traffic disruptions.

This Highway Safety Guardrail is commonly used in various road scenarios, including straight highway stretches, curves, bridges, and elevated road sections where the risk of vehicles leaving the roadway is higher. It is also implemented near roadside hazards such as steep embankments, utility poles, and drop-offs, offering an additional layer of protection to motorists. The M180 Steel Guardrail is a reliable and cost-effective solution for highway authorities aiming to improve road safety standards and protect lives.

In summary, the M180 Steel Guardrail is a vital safety installation on highways, combining high corrosion resistance, low maintenance needs, and optimal dimensions to provide superior protection in diverse highway environments. Its application ensures safer driving conditions and contributes significantly to reducing accident severity on high-speed roads.

Customization:

Our Highway Guardrail M180 product offers comprehensive customization services to meet your specific needs. Featuring a hot-dip galvanized surface treatment and finish, this M180 Crash Barrier ensures superior corrosion resistance and long-lasting durability. With a height of 80 centimeters, it is designed to serve effectively as a roadside protective barrier, providing enhanced safety along highways. The silver metallic color not only adds a sleek appearance but also improves visibility. Backed by a 10-year warranty, this highway traffic barrier guarantees reliable performance and peace of mind for years to come.

Support and Services:

Our Highway Guardrail M180 product is designed to meet rigorous safety and durability standards for roadside protection. For technical support and services, we offer comprehensive assistance including installation guidance, maintenance procedures, and performance optimization.

Our technical support team is available to provide detailed product specifications, answer inquiries related to compliance with local and international safety regulations, and offer troubleshooting advice for any installation or operational issues.

We also provide on-site training sessions and workshops to ensure that your team is well-equipped to handle the Highway Guardrail M180 product efficiently and safely. Regular maintenance services and inspections can be arranged to extend the lifespan and effectiveness of the guardrails.

For customized solutions, including design modifications and integration with existing infrastructure, our engineering experts are ready to collaborate and tailor the Highway Guardrail M180 to your specific project requirements.

To ensure optimal performance, we recommend periodic reviews and upgrades in line with the latest industry standards and technological advancements.



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