



## Hot-dip Galvanized W-beam Guardrail M180 with 310mm Width for Low Maintenance Highway Safety

### Basic Information



### Product Specification

- Width: 310mm
- Installation method: Bolted To Steel Posts
- Maintenance: Low Maintenance Required
- Surface Treatment: Hot-dip Galvanized
- Section Shape: W-beam
- Applicable Road Type: Highway
- Impact resistance: Designed To Absorb And Deflect Vehicle Impact
- Post spacing: 2 Meters
- Highlight: **W-beam highway guardrail M180, hot-dip galvanized road guardrail, low maintenance highway safety barrier**

### Product Description:

The Highway Guardrail M180 is a premium roadside protective barrier designed to enhance safety on highways and other high-traffic roadways. Engineered with precision and durability in mind, this guardrail system serves as an essential component in traffic management and accident prevention, effectively minimizing the severity of collisions by absorbing impact and guiding vehicles safely back onto the road. Its robust construction and thoughtful design make the Highway Safety Guardrail M180 an ideal choice for modern infrastructure projects focused on safeguarding motorists and pedestrians alike.

One of the standout features of the Highway Guardrail M180 is its installation method. This guardrail is bolted to steel posts, ensuring a secure and stable attachment that can withstand substantial impact forces. The bolted connection facilitates straightforward assembly and replacement, reducing installation time and costs while maintaining structural integrity. This method also allows for flexibility in positioning and alignment, enabling the guardrail to be adapted to various roadside conditions and configurations, ensuring optimal performance in diverse environments.

The guardrail stands at a height of 80 centimeters, which is carefully calibrated to provide effective containment of vehicles without obstructing road visibility or signage. This height is particularly effective in preventing vehicles from leaving the roadway, thereby reducing the risk of rollovers and severe crashes. In conjunction with its width of 310 millimeters, the dimensions of the Highway Safety Guardrail M180 strike a perfect balance between strength and practicality, allowing it to serve as a reliable roadside protective barrier without imposing excessive bulk or weight.

Durability and resistance to environmental factors are critical attributes of any roadside protective barrier, and the Highway Guardrail M180 excels in this regard. It features a hot-dip galvanized finish, a specialized coating process that provides exceptional corrosion resistance and longevity. This finish protects the steel components from rust, moisture, and other weather-related wear, ensuring that the guardrail maintains its structural integrity and appearance over many years with minimal upkeep. The hot-dip galvanized coating is particularly advantageous in areas exposed to harsh weather conditions, such as heavy rain, snow, or coastal environments.

Maintenance requirements for the Highway Guardrail M180 are remarkably low, making it an economically sound investment for municipalities and highway authorities. The combination of the hot-dip galvanized finish and the sturdy bolted installation means that routine inspections and minor repairs are generally sufficient to keep the guardrail in optimal condition. This low maintenance demand reduces long-term operational costs and minimizes disruptions to traffic caused by maintenance activities, contributing to safer and more efficient roadway management.

In summary, the Highway Guardrail M180 is a highly effective highway safety guardrail designed to provide reliable protection and enhance road safety. Its bolted-to-steel-post installation, combined with a height of 80 centimeters and width of 310 millimeters, ensures robust containment and impact absorption. The hot-dip galvanized finish extends the guardrail's lifespan and reduces maintenance needs, making it a cost-effective solution for roadside safety. As a critical roadside protective barrier, the Highway Safety Guardrail M180 plays a vital role in preventing accidents and safeguarding lives on highways around the world.

### Features:

Product Name: Highway Guardrail M180

Connection Type: Bolted

Applicable Road Type: Highway

Warranty: 10 Years

Section Shape: W-beam

Maintenance: Low Maintenance Required

Designed as a Highway Safety Guardrail for optimal protection on highways

Reliable Road Safety Guardrail to enhance driver and pedestrian safety

Constructed using durable M180 Steel Guardrail material for long-lasting performance

### Technical Parameters:

Color	Silver Metallic
Shape	W-beam
Section Shape	W-beam
Applicable Road Type	Highway
Postspacing	2 Meters
Width	310mm
Maintenance	Low Maintenance Required
Finish	Hot-dip Galvanized
Connection Type	Bolted
Warranty	10 Years

### Applications:

The Highway Guardrail M180, also known as the M180 Steel Guardrail, is an essential safety component designed specifically for

highway traffic barrier applications. Its primary function is to enhance road safety by absorbing and deflecting vehicle impacts, thereby reducing the severity of accidents on high-speed roadways. The guardrail's W-beam shape is engineered to provide maximum strength and flexibility, ensuring that it can withstand and dissipate the energy generated during collisions effectively.

The M180 Steel Guardrail is particularly suitable for use on highways, where high traffic volumes and vehicle speeds necessitate robust protective measures. This highway traffic barrier is designed to be bolted together, allowing for easy installation and secure connections that maintain structural integrity under impact. The bolted connection type also facilitates straightforward maintenance and replacement of damaged sections, minimizing downtime and ensuring continuous safety coverage.

One of the key advantages of the Highway Guardrail M180 is its low maintenance requirement. Unlike other barriers that may need frequent inspections and repairs, this guardrail is built from high-quality steel that resists corrosion and wear, reducing the need for ongoing upkeep. This feature makes it an economical choice for long-term highway safety infrastructure, as it lowers operational costs while maintaining high performance standards.

In terms of application scenarios, the M180 Steel Guardrail is ideal for installation along highway medians, road edges, and curves where vehicle run-off accidents are most likely to occur. It serves to channel errant vehicles back onto the roadway, preventing rollovers and collisions with roadside hazards. Additionally, it is frequently used in areas with steep embankments or drop-offs, providing a physical barrier that protects both motorists and pedestrians.

Overall, the Highway Guardrail M180 stands out as a reliable and durable highway traffic barrier solution that combines impact resistance, ease of installation, and low maintenance needs. Its W-beam design and bolted connections make it adaptable to various highway configurations, ensuring enhanced safety for all road users. Whether for new highway construction or upgrading existing traffic barriers, the M180 Steel Guardrail is a practical choice for safeguarding highways and saving lives.

### Customization:

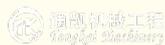
Our M180 Crash Barrier offers customizable options to meet your specific needs for road safety. The Highway Safety Guardrail is available in a durable Silver Metallic color, providing both aesthetic appeal and corrosion resistance. The connection type is bolted, ensuring easy installation and secure assembly. Featuring a hot-dip galvanized surface treatment, this Road Safety Guardrail is designed for long-lasting protection against harsh weather conditions. With low maintenance required, the M180 Crash Barrier is a cost-effective solution backed by a 10-year warranty, guaranteeing reliable performance on highways and roads.

### Support and Services:

Our Highway Guardrail M180 product is designed to meet the highest safety and durability standards for road protection systems. For technical support, our team of experts is available to assist with installation guidance, maintenance procedures, and troubleshooting to ensure optimal performance of the guardrail system.

We offer comprehensive services including site assessment, custom design solutions, and on-site support to adapt the M180 guardrail to specific project requirements. Regular maintenance services are recommended to preserve the integrity and functionality of the guardrail over its lifespan.

In addition, detailed product documentation, installation manuals, and safety certifications are provided to support engineers, contractors, and maintenance personnel. Our commitment is to deliver reliable support and services that enhance road safety and infrastructure resilience.



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