



## Hot-dip Galvanized Highway Guardrail M180 Crash Barrier with W-beam Section Shape and 10 Years Warranty

### Basic Information



### Product Specification

- Surface Treatment: Hot-dip Galvanized
- Shape: W-beam
- Width: 310mm
- Warranty: 10 Years
- Impactresistance: Designed To Absorb And Deflect Vehicle Impact
- Color: Silver Metallic
- Installationmethod: Bolted To Steel Posts
- Applicable Road Type: Highway
- Highlight: **2 meter highway safety guardrail, impact absorbing traffic barrier, M180 highway guardrail with warranty**

### Product Description:

The M180 Crash Barrier is a highly reliable roadside protective barrier designed to enhance road safety by effectively managing vehicle impacts and minimizing accident severity. Manufactured using premium-grade steel, this M180 Steel Guardrail is engineered to provide outstanding strength, durability, and corrosion resistance, making it an ideal choice for a wide range of highway and roadway applications. One of the standout features of the M180 Crash Barrier is its exceptional corrosion resistance. The guardrail is treated with advanced protective coatings that ensure long-lasting performance even in harsh environmental conditions. This high level of corrosion resistance significantly extends the lifespan of the guardrail, reducing the need for frequent replacements or repairs and thus offering excellent value over time.

The M180 Steel Guardrail features a distinctive W-beam section shape, a design that has been widely adopted and proven effective in traffic safety systems worldwide. The W-beam profile provides an optimal balance of strength and flexibility, allowing the barrier to absorb and dissipate kinetic energy during vehicle collisions. This helps to reduce the severity of crashes and protect both vehicle occupants and pedestrians near the roadside.

In terms of dimensions, the M180 Crash Barrier has a width of 310mm, making it sufficiently robust to serve as a dependable protective barrier without occupying excessive roadside space. Its streamlined width also makes installation and integration with other road safety infrastructure more efficient and practical.

The guardrail comes in a sleek silver metallic color that not only provides an aesthetically pleasing appearance but also enhances visibility on the road. The metallic finish is carefully applied to further boost corrosion resistance while maintaining a modern and professional look that complements various roadside environments.

Maintenance requirements for the M180 Steel Guardrail are remarkably low. Thanks to its corrosion-resistant properties and sturdy construction, this roadside protective barrier demands minimal upkeep, thereby reducing ongoing maintenance costs and labor efforts for highway authorities and contractors. The ease of maintenance also contributes to uninterrupted road safety performance, ensuring that the guardrail remains fully functional over extended periods.

Overall, the M180 Crash Barrier stands out as an excellent solution for highways, urban roads, and other transportation corridors where safety and durability are paramount. Its combination of high corrosion resistance, innovative W-beam section shape, practical width, and low maintenance requirements make it a preferred choice for engineers and road safety professionals aiming to implement effective roadside protective barriers.

In conclusion, the M180 Steel Guardrail is a top-tier product that delivers reliable protection, long service life, and cost efficiency. Whether deployed along highways, bridges, or other critical roadside areas, this M180 Crash Barrier ensures enhanced safety for motorists and pedestrians alike, making it a vital component of modern road infrastructure systems.

### Features:

Product Name: Highway Guardrail M180

Connection Type: Bolted

Applicable Road Type: Highway

Installation Method: Bolted To Steel Posts

Warranty: 10 Years

Impact Resistance: Designed To Absorb And Deflect Vehicle Impact

Functions as a Road Safety Guardrail to enhance highway safety

Serves as a reliable Highway Traffic Barrier

Acts as an effective Roadside Protective Barrier

### Technical Parameters:

Installation Method	Bolted To Steel Posts
Section Shape	W-beam
Applicable Road Type	Highway
Height	80 Centimeters
Width	310mm
Color	Silver Metallic
Finish	Hot-dip Galvanized
Maintenance	Low Maintenance Required
Warranty	10 Years

### Applications:

The M180 Crash Barrier is an essential component designed specifically for highway safety, offering a robust solution to protect vehicles and passengers during unexpected road incidents. With its W-beam section shape and a width of 310mm, this highway guardrail provides exceptional strength and flexibility, ensuring effective energy absorption upon impact. The hot-dip galvanized finish and surface treatment not only enhance its durability but also provide superior resistance against corrosion, making it ideal for long-term use in various weather conditions commonly encountered on highways.

Primarily, the M180 Crash Barrier is applied along highways where high-speed traffic necessitates reliable protective measures. It serves as a critical Highway Safety Guardrail to prevent vehicles from veering off the road, reducing the risk of severe accidents and fatalities. Its design is tailored for highway traffic barriers, specifically engineered to accommodate the dynamic forces exerted by fast-moving vehicles, thereby safeguarding both drivers and roadside infrastructure.

Highway engineers and transportation authorities utilize this highway traffic barrier in a variety of scenarios, including median dividers to separate opposing lanes of traffic, roadside protection near steep embankments or drop-offs, and around sharp curves where the risk of run-off-road crashes is elevated. The M180 Crash Barrier's hot-dip galvanized surface treatment ensures that it maintains structural integrity and aesthetic appearance even after prolonged exposure to environmental elements such as rain, snow, and UV radiation.

Additionally, this highway safety guardrail is often installed in areas with heavy traffic volumes to enhance overall road safety and minimize accident severity. The W-beam section shape is specifically chosen to provide optimal deflection and energy dissipation, which effectively reduces the impact force transmitted to vehicle occupants. Its 310mm width offers a balance between sufficient containment and cost-effective material usage, making it a preferred choice for highway construction and maintenance projects.

In summary, the M180 Crash Barrier is a highly reliable and durable highway traffic barrier designed for various application occasions where safety is paramount. From highway medians to roadside installations, this hot-dip galvanized highway guardrail provides continuous protection, ensuring safer travel for all road users. Its combination of strength, corrosion resistance, and engineered design makes it an indispensable element in modern highway safety systems.

### Customization:

Our Highway Safety Guardrail M180 Crash Barrier offers customizable options to meet your specific project requirements. With a height of 80 centimeters, this guardrail is designed to provide optimal safety along highways. The M180 Crash Barrier features a bolted connection type, ensuring easy installation and secure assembly. Posts are spaced at 2 meters intervals to maintain structural integrity and effective impact resistance. Finished with hot-dip galvanized coating, the guardrail guarantees long-lasting protection against corrosion with low maintenance required. Choose our Highway Safety Guardrail M180 for reliable, durable, and efficient highway safety solutions.

### Support and Services:

Our Highway Guardrail M180 product is designed to provide superior safety and durability for roadways. For technical support and services, we offer comprehensive assistance including installation guidance, maintenance recommendations, and troubleshooting tips to ensure optimal performance.

We provide detailed product manuals and technical datasheets to help you understand the specifications and proper usage of the M180 guardrail system. Our team of experts is available to answer any technical queries and provide on-site support if required.

Regular maintenance services are recommended to inspect and repair any damage to the guardrail system to maintain its effectiveness in crash protection. Replacement parts and accessories are readily available to facilitate timely repairs.

Training sessions and workshops can be arranged for installation crews and maintenance personnel to ensure adherence to safety standards and installation best practices.

For warranty claims and service requests, please refer to the product documentation for detailed instructions on the process and required information.



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