



## Hot-dip Galvanized Highway Guardrail with W-beam Section and 2 Meters Post Spacing for Enhanced Road Safety

### Basic Information



### Product Specification

- Section Shape: W-beam
- Surface Treatment: Hot-dip Galvanized
- Corrosionresistance: High
- Warranty: 10 Years
- Finish: Hot-dip Galvanized
- Postspacing: 2 Meters
- Applicable Road Type: Highway
- Connection Type: Bolted
- Highlight: **bolted steel roadside barrier, highway guardrail M180 bolted, protective barrier traffic safety**

### Product Description:

The Highway Guardrail M180 is a premium quality Road Safety Guardrail designed to enhance highway safety by effectively managing vehicle impacts and minimizing accident severity. Engineered with precision, this M180 Steel Guardrail features a robust W-beam section shape, which is widely recognized for its superior strength and ability to absorb and deflect vehicle impact efficiently. The W-beam design ensures that the guardrail provides a reliable barrier that can withstand high levels of force, thereby protecting both vehicles and passengers during collisions.

One of the standout features of the Highway Guardrail M180 is its hot-dip galvanized finish. This finish is crucial as it offers exceptional protection against corrosion and environmental wear, extending the lifespan of the guardrail even under harsh weather conditions. The hot-dip galvanized coating gives the guardrail a distinctive silver metallic color, which not only adds to its aesthetic appeal but also improves visibility on roads, enhancing overall road safety. The silver metallic hue blends well with various road environments, ensuring the guardrail remains an unobtrusive yet effective safety feature.

The M180 Steel Guardrail measures 80 centimeters in height, a dimension carefully selected to optimize both functionality and safety. This height is sufficient to provide an effective barrier for a wide range of vehicles, from compact cars to larger vehicles, helping to prevent run-off-road accidents and reducing the likelihood of vehicles breaching the barrier. The guardrail's height and design work in tandem to redirect errant vehicles back onto the roadway, significantly reducing the risk of severe crashes and improving the safety of both drivers and pedestrians in the vicinity.

Impact resistance is a critical attribute of any Road Safety Guardrail, and the Highway Guardrail M180 excels in this area. It is specifically designed to absorb and deflect vehicle impacts, minimizing damage to vehicles and reducing injury risks to occupants. The guardrail's ability to deform in a controlled manner during a collision helps dissipate the energy of the impact, preventing vehicles from rebounding into traffic or crossing into hazardous areas. This feature is essential for highways and roads with high traffic volumes or challenging driving conditions, where effective impact management can save lives.

In addition to its functional advantages, the Highway Guardrail M180 is also engineered for ease of installation and maintenance. The uniform W-beam section allows for straightforward assembly and integration with existing road infrastructure. Its durable hot-dip galvanized finish reduces maintenance requirements, ensuring that the guardrail remains effective and visually appealing for many years without the need for frequent repairs or replacements.

Choosing the Highway Guardrail M180 means investing in a Road Safety Guardrail that meets the highest standards of quality, durability, and performance. Its combination of a hot-dip galvanized finish, W-beam section shape, silver metallic color, and 80-centimeter height makes it an ideal solution for enhancing road safety on highways, expressways, and other critical roadways. The M180 Steel Guardrail's superior impact resistance and long-lasting protection contribute significantly to reducing road accidents and safeguarding lives.

Overall, the Highway Guardrail M180 is a reliable and effective safety barrier designed to provide maximum protection on the road. Its advanced engineering and high-quality materials ensure that it performs exceptionally well under demanding conditions, making it a trusted choice for road safety authorities and infrastructure developers worldwide. By integrating this Road Safety Guardrail into road networks, communities can benefit from improved traffic safety, reduced accident severity, and enhanced peace of mind for all road users.

### Features:

Product Name: Highway Guardrail M180

Surface Treatment: Hot-dip Galvanized for enhanced durability

High Corrosion Resistance ensuring long-lasting performance

Section Shape: W-beam design for superior strength

Applicable Road Type: Specifically designed for Highway use

Functions as a Highway Traffic Barrier for improved safety

Serves as a Roadside Protective Barrier to prevent vehicles from veering off the road

Shape: W-beam, providing effective impact absorption and deflection

### Technical Parameters:

Impact Resistance	Designed To Absorb And Deflect Vehicle Impact
Installation Method	Bolted To Steel Posts
Maintenance	Low Maintenance Required
Warranty	10 Years
Shape	W-beam
Applicable Road Type	Highway
Surface Treatment	Hot-dip Galvanized
Finish	Hot-dip Galvanized
Corrosion Resistance	High
Post Spacing	2 Meters

### Applications:

The M180 Crash Barrier is an essential component in modern road safety infrastructure, specifically designed to enhance protection along highways and other high-speed roadways. Its primary application is as a Highway Safety Guardrail, serving as a critical roadside protective barrier that mitigates the risks associated with vehicle collisions. The M180 Crash Barrier is engineered with a W-beam shape, a proven design that effectively absorbs and deflects vehicle impact, thereby reducing the severity of accidents and enhancing the safety of both drivers and passengers.

Installation of the M180 Crash Barrier is carried out by bolting the guardrail securely to steel posts, which are spaced at intervals of 2 meters. This precise post spacing ensures optimal stability and structural integrity, allowing the guardrail to perform reliably under various impact conditions. The robust bolted connection facilitates straightforward installation and maintenance, making it a preferred choice for highway authorities and road construction professionals.

With a width of 310mm, the M180 Crash Barrier strikes a balance between providing sufficient coverage to prevent vehicles from veering off the road and maintaining a streamlined profile that minimizes obstruction to traffic flow. Its design focuses on impact resistance, ensuring that in the event of a collision, the guardrail can absorb and deflect energy efficiently, reducing the likelihood of severe vehicle damage or occupant injury.

The M180 Crash Barrier finds its application in numerous scenarios, including highways, expressways, and rural roads where high-speed traffic necessitates robust roadside protective measures. It is particularly useful in areas prone to accidents, such as sharp curves, steep embankments, and bridges, where the risk of vehicles leaving the roadway is elevated. Additionally, it serves as a protective barrier in construction zones and transitional areas where temporary or permanent safety measures are required.

In summary, the M180 Crash Barrier is a vital roadside protective barrier that enhances highway safety by combining effective impact resistance with practical installation methods. Its W-beam shape, coupled with bolted steel post installation at 2-meter intervals and a 310mm width, makes it an ideal solution for reducing accident severity and safeguarding both motorists and infrastructure in a variety of highway safety applications.

### Customization:

Our Highway Guardrail M180 offers premium product customization services tailored to enhance road safety. Featuring a sleek Silver Metallic color, this Road Safety Guardrail not only provides an attractive finish but also ensures high visibility for drivers. The M180 Crash Barrier is designed with superior impact resistance, engineered to absorb and deflect vehicle impact effectively, minimizing damage and enhancing occupant safety.

Constructed with a W-beam shape, the Highway Safety Guardrail ensures optimal strength and durability. It boasts high corrosion resistance, making it ideal for long-term use in various weather conditions without compromising performance. Additionally, the guardrail is installed with a post spacing of 2 meters, providing robust support and stability along highways and roads.

Choose our customizable Highway Guardrail M180 to improve traffic safety and protect vehicles and passengers with a reliable, high-quality Road Safety Guardrail solution.

### Support and Services:

Our Highway Guardrail M180 product is designed to provide superior safety and durability on roadways. For technical support and service inquiries, our team of experts is available to assist with installation guidance, maintenance recommendations, and troubleshooting. We offer comprehensive documentation, including installation manuals and safety certifications, to ensure proper use and compliance with industry standards. Additionally, we provide on-site inspection services and training sessions to help maximize the effectiveness and lifespan of the guardrail system. Please refer to the product warranty terms for coverage details and service procedures.



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