



## Highway Guardrail M180 with 2 Meters Postspacing Hot-dip Galvanized Bolted Connection Type for Road Safety

### Basic Information



### Product Specification

- Surface Treatment: Hot-dip Galvanized
- Warranty: 10 Years
- Impactresistance: Designed To Absorb And Deflect Vehicle Impact
- Corrosionresistance: High
- Color: Silver Metallic
- Applicable Road Type: Highway
- Maintenance: Low Maintenance Required
- Finish: Hot-dip Galvanized
- Highlight: **2 meters highway guardrail M180, silver metallic bolted guardrail, roadside protection barrier solution**

### Product Description:

The Highway Guardrail M180 is a premium quality highway traffic barrier designed to enhance road safety and protect motorists on busy highways and roads. Featuring a robust silver metallic finish, this road safety guardrail not only provides excellent durability but also a sleek and professional appearance that blends seamlessly with modern infrastructure. The silver metallic color ensures high visibility during the day while minimizing glare, contributing to overall road safety.

Standing at a height of 80 centimeters, the Highway Guardrail M180 is engineered to offer optimal protection by effectively absorbing and redirecting the impact from vehicles, thereby reducing the severity of accidents. Its height is carefully calibrated to meet stringent safety standards, making it an ideal solution for highways, expressways, and other high-speed roadways where vehicle containment and redirection are critical.

One of the key design features of this road safety guardrail is its postspacing of 2 meters. This spacing ensures a strong structural framework that provides consistent support and stability throughout the length of the barrier. The 2-meter postspacing is optimized to balance material efficiency with maximum impact resistance, making the Highway Guardrail M180 both cost-effective and highly reliable as a highway traffic barrier.

The width of the guardrail is 310 millimeters, which offers ample surface area to absorb and dissipate the energy generated during a collision. This width helps to prevent vehicles from breaching the barrier, thereby reducing the risk of vehicles veering off the road or into oncoming traffic lanes. The 310mm width is a critical aspect of the guardrail's design, ensuring that it performs effectively under various impact conditions.

Installation of the Highway Guardrail M180 is straightforward and secure, thanks to its bolted mounting system to steel posts. This installation method not only ensures a firm and durable attachment but also allows for easier maintenance and replacement if necessary. The bolted-to-steel-posts approach provides flexibility during installation, enabling precise alignment and adjustment to accommodate different road curves and terrains. This method significantly enhances the overall stability and longevity of the road safety guardrail.

As a highway traffic barrier, the Highway Guardrail M180 is engineered to meet the rigorous demands of modern road safety requirements. Its combination of height, postspacing, width, and installation method ensures it can effectively mitigate collision impacts and protect both vehicles and pedestrians. The guardrail is suitable for use in a wide range of applications, including highways, bridges, tunnels, and urban roads, making it a versatile choice for transportation authorities and construction companies committed to enhancing road safety.

In addition to its functional benefits, the silver metallic finish of the Highway Guardrail M180 also offers excellent resistance to corrosion and environmental wear. This durability ensures that the guardrail maintains its structural integrity and appearance over time, even when exposed to harsh weather conditions such as rain, snow, and intense sunlight. This long-lasting performance reduces the need for frequent replacements and maintenance, offering a cost-effective investment in road safety infrastructure.

Overall, the Highway Guardrail M180 stands out as a reliable and efficient road safety guardrail solution. Its well-thought-out design parameters, including the 80-centimeter height, 2-meter postspacing, 310mm width, and bolted installation to steel posts, make it an essential component in safeguarding highways and reducing traffic-related injuries and fatalities. Choosing the Highway Guardrail M180 means prioritizing quality, safety, and durability in road traffic barrier systems.

### Features:

Product Name: Highway Guardrail M180

Height: 80 Centimeters

Corrosion Resistance: High

Installation Method: Bolted To Steel Posts

Shape: W-beam

Color: Silver Metallic

Designed as an M180 Crash Barrier for enhanced road safety

Provides reliable protection as a Highway Safety Guardrail

Ideal solution for Highway Safety Guardrail applications

### Technical Parameters:

Product Name	M180 Steel Guardrail
Application	Roadside Protective Barrier, M180 Crash Barrier
Corrosion Resistance	High
Maintenance	Low Maintenance Required
Installation Method	Bolted To Steel Posts
Connection Type	Bolted
Width	310 mm
Section Shape	W-beam
Finish	Hot-dip Galvanized
Impact Resistance	Designed To Absorb And Deflect Vehicle Impact
Post Spacing	2 Meters

Shape	W-beam
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### Applications:

The M180 Steel Guardrail, featuring a classic W-beam shape and a sleek silver metallic color, is an essential component for enhancing road safety across various environments. Its robust bolted connection type ensures easy installation and maintenance, making it an ideal choice for both new highway constructions and retrofit projects. Designed with high corrosion resistance, the M180 Steel Guardrail guarantees long-lasting durability against harsh weather conditions, salt spray, and other environmental factors, providing reliable protection throughout its impressive 10-year warranty period.

This Road Safety Guardrail is commonly applied along highways, expressways, and rural roads where vehicle containment and impact absorption are critical. Its W-beam profile efficiently redirects errant vehicles, minimizing damage and preventing vehicles from veering off the road or into hazardous areas. The silver metallic finish not only offers an aesthetically pleasing appearance but also enhances visibility, contributing to overall traffic safety especially in low-light or foggy conditions.

In addition to highways, the M180 Steel Guardrail is widely used in urban roadways, bridge approaches, and tunnels where space constraints demand a reliable yet compact guardrail system. Its bolted connection type facilitates modular installation, allowing quick replacement of damaged sections without compromising the structural integrity of the entire system. This feature is particularly beneficial in high-traffic zones where minimizing road closure times is crucial.

Furthermore, the M180 Steel Guardrail serves well in roadside barriers along pedestrian pathways, parking lots, and industrial areas where vehicle impact protection is necessary to safeguard both pedestrians and infrastructure. Its high corrosion resistance ensures minimal maintenance costs, making it a cost-effective solution for municipalities and private enterprises alike.

Overall, the M180 Steel Guardrail stands out as a premium Road Safety Guardrail solution that combines strength, durability, and ease of installation. Its 10-year warranty provides peace of mind to engineers and planners, knowing that the guardrail will perform effectively under various operational conditions. Whether deployed in new road construction, retrofit applications, or specialized safety zones, the M180 Steel Guardrail consistently delivers superior protection and reliability.

### Customization:

Our M180 Steel Guardrail offers exceptional corrosion resistance, ensuring long-lasting durability even in harsh roadside environments. Designed with a W-beam section shape and a width of 310mm, this roadside protective barrier provides superior impact absorption and safety. The posts are spaced at 2 meters intervals to maintain structural integrity and optimal performance. Additionally, the M180 Steel Guardrail comes with a 10-year warranty, guaranteeing reliable protection for years to come.

### Support and Services:

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

Our team of experts is available to help with product specifications, compliance with highway safety standards, and customization options to meet specific project requirements. We provide detailed documentation and on-site support to facilitate proper implementation and long-term reliability of the M180 guardrail system.

Additionally, we offer training sessions for installation crews and maintenance personnel to promote safe handling and effective upkeep of the guardrails. Our support services aim to maximize the lifespan and effectiveness of the Highway Guardrail M180, ensuring enhanced safety for all highway users.



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