



80 Centimeters Height W-beam Highway Guardrail with Hot-dip Galvanized Finish for Road Safety Barrier

Our Product Introduction

Basic Information



Product Specification

- Applicable Road Type: Highway
- Color: Silver Metallic
- Impactresistance: Designed To Absorb And Deflect Vehicle Impact
- Shape: W-beam
- Surface Treatment: Hot-dip Galvanized
- Width: 310mm
- Height: 80 Centimeters
- Finish: Hot-dip Galvanized
- Highlight: **80cm height highway guardrail, W-beam road safety barrier, traffic control protection system**

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Product Description:

The Highway Guardrail M180 is a high-quality roadside protective barrier designed to enhance road safety and effectively manage highway traffic. Featuring a robust W-beam section shape, this guardrail is engineered to provide exceptional strength and durability, making it an ideal choice for various highway and roadside applications. Its carefully designed profile ensures optimal impact absorption and deflection, which significantly reduces the severity of accidents and protects both vehicles and passengers in the event of a collision. One of the standout features of the Highway Guardrail M180 is its hot-dip galvanized surface treatment. This process involves coating the steel guardrail with a layer of zinc to provide superior corrosion resistance and long-lasting protection against harsh weather conditions, rust, and environmental wear. The hot-dip galvanized finish ensures that the guardrail maintains its structural integrity and aesthetic appeal over time, even when exposed to moisture, salt, and other corrosive elements commonly found along highways and roadsides. The guardrail boasts a width of 310mm, which provides ample coverage and protection along the roadside. This width is carefully selected to offer a strong barrier without obstructing the view or affecting the flow of traffic. The 310mm wide W-beam design delivers a balanced combination of strength and flexibility, allowing it to absorb and dissipate energy efficiently during vehicle impacts. This characteristic is crucial for minimizing damage to vehicles and reducing the risk of injury to motorists.

In addition to its structural benefits, the Highway Guardrail M180 is finished in a sleek silver metallic color. This color not only enhances the visual appeal of the guardrail but also contributes to better visibility for drivers. The reflective quality of the silver metallic surface helps improve safety by making the guardrail more noticeable during both day and night conditions. This increased visibility is vital for alerting drivers to the presence of roadside protective barriers and guiding them safely along the highway.

The W-beam shape of the Highway Guardrail M180 is a widely recognized and trusted design in the realm of road safety guardrails. Its distinctive profile consists of multiple corrugations and bends that provide enhanced rigidity and impact resistance. This shape allows the guardrail to flex and deform in a controlled manner upon impact, absorbing energy and reducing the force transmitted to vehicles and occupants. As a result, the W-beam guardrail effectively prevents vehicles from veering off the road or crossing into opposing traffic lanes, thereby significantly reducing the likelihood of severe accidents.

Specifically engineered as a highway traffic barrier, the M180 model is suitable for installation along various types of roads, including highways, expressways, and urban thoroughfares. It serves as a critical safety feature that delineates road edges, protects pedestrians and cyclists, and safeguards roadside infrastructure such as signposts, light poles, and utility equipment. The combination of its durable construction, corrosion-resistant finish, and optimal dimensions makes it a reliable solution for municipalities, transportation authorities, and construction companies focused on improving road safety standards.

Overall, the Highway Guardrail M180 represents a premium roadside protective barrier that combines strength, durability, and visibility to create safer road environments. Its W-beam section shape, hot-dip galvanized surface treatment, and 310mm width work in unison to provide an effective and long-lasting highway traffic barrier. The silver metallic color further enhances its functionality by increasing driver awareness and reducing accident risks. Whether used on busy highways or local roads, this road safety guardrail stands as a dependable and essential component in modern traffic safety systems.

Features:

Product Name: M180 Crash Barrier

Installation Method: Bolted To Steel Posts

Connection Type: Bolted

Corrosion Resistance: High

Width: 310mm

Shape: W-beam

Type: Roadside Protective Barrier

Material: M180 Steel Guardrail

Technical Parameters:

Connection Type	Bolted
Postspacing	2 Meters
Surface Treatment	Hot-dip Galvanized
Corrosion Resistance	High
Finish	Hot-dip Galvanized
Maintenance	Low Maintenance Required
Height	80 Centimeters
Shape	W-beam
Warranty	10 Years
Width	310mm

Applications:

The M180 Crash Barrier is an essential roadside protective barrier designed to enhance road safety and minimize accident severity.

Featuring a W-beam section shape, this guardrail provides exceptional impact resistance and energy absorption, making it an ideal choice for highways, expressways, and other high-speed roadways. Its silver metallic color not only offers a modern and professional appearance but also ensures high visibility during both day and night, contributing significantly to driver awareness and safety. With a height of 80 centimeters, the M180 Crash Barrier is engineered to effectively contain and redirect vehicles that veer off the road, preventing them from entering hazardous areas such as steep embankments, roadside obstacles, or pedestrian zones. This makes it particularly suitable for locations where road safety is paramount, including sharp curves, bridge approaches, and busy intersections. The bolted connection type simplifies installation and allows for quick repairs or replacements, ensuring minimal disruption to traffic flow and maintaining continuous protection.

One of the standout features of the M180 Roadside Protective Barrier is its low maintenance requirement. The durable materials and corrosion-resistant silver metallic finish reduce the need for frequent upkeep, making it a cost-effective solution for long-term roadside safety management. This attribute is especially beneficial for remote or difficult-to-access sections of highways where routine maintenance can be challenging.

In addition to highways, the M180 Road Safety Guardrail is also highly effective in urban roadways, parking lots, and industrial areas where vehicle control and pedestrian safety are critical. Its robust construction and reliable bolted connections ensure stability and resilience against repeated impacts. Furthermore, the W-beam design distributes collision forces evenly, minimizing damage to vehicles and reducing the risk of severe injuries.

Overall, the M180 Crash Barrier is a versatile and dependable roadside protective barrier that caters to a variety of application occasions and scenarios. Its combination of strength, ease of maintenance, and high visibility makes it an indispensable component in the pursuit of safer roads and highways worldwide.

Customization:

Our M180 Steel Guardrail offers customizable solutions specifically designed for highways to ensure maximum safety and durability. This roadside protective barrier features a bolted connection type, allowing for easy installation and secure attachment. The M180 Steel Guardrail requires low maintenance, making it an efficient choice for long-term road safety management. Additionally, the surface treatment is hot-dip galvanized, providing excellent resistance to corrosion and extending the product's lifespan. With a standard post spacing of 2 meters, this guardrail system ensures optimal strength and stability on busy highways.

Support and Services:

Our Highway Guardrail M180 product comes with comprehensive technical support and services to ensure optimal performance and safety. We provide detailed installation guidelines, maintenance instructions, and troubleshooting tips to assist engineers and construction teams throughout the project lifecycle.

Technical support includes expert consultation to help with design specifications, site assessments, and compliance with relevant road safety standards. Our team is available to address any questions regarding product features, customization options, and compatibility with other highway safety systems.

Additionally, we offer training sessions and workshops for installation crews to promote correct handling and assembly of the M180 guardrails. Post-installation services include periodic inspections and recommendations for upkeep to extend the product's lifespan and maintain its protective qualities.

We are committed to providing reliable and timely assistance to ensure that the Highway Guardrail M180 effectively contributes to road safety and accident prevention.



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