

Guardrails types and utilities

Road Guardrails are the important elements of highways and traffic safety. Due to geographical conditions , our country has dense road network that' s why road barriers is important in our country. Road barriers standards is very important for the safety of life and property. Our company with designs and equipment that uses, conducts world-class production of vehicle restraint systems and road barriers. These production are used for vehicle restraint systems, road barriers used to distinguish between aspects of round-trip in inter-city roads, to create barrier between the roads and the stockade, to guide vehicular and pedestrian traffic ,and closed the entering restricted areas and to make checkpoints for vehicles.

W-beam guardrail is shaped from steel coil into W-like rail and typically galvanized to get rid of corrosion from weathers, rains and other threat factors. 10-gauge or 12-gauge corrugated steel rail is strong enough to prevent vehicle accidents in most applications. Sometimes colored powder coating is used to add view to the applications. W beam crash barrier is frequently found in many places. It can be applied to guard work zone safety, asset protection and control the traffic movement. Manufactured in standard AASHTO, lengths will be 12' 6" or 25'; special lengths and post-hole spacing are available.

According to the actual requirements, W-beam crash barrier can be classified into strong and weak, most different from the thickness of the beam and the post.

Thrie beam guardrail is manufactured from steel coil of a certain length. The steel plate is then punched, slotted to fit the thrie configuration. Common surface treatment is hot dip galvanized and plastic powder coated in yellow, green or other colors.

Thrie beam barrier can be straight or curved to suit different applications. Straight thrie beam barrier is often used as roadside barrier or median barrier to control the traffic.

Sometimes modified thrie beam can be used as transitional part of concrete rail to W-beam rail.

Open Box Beam Barrier (OBB for short) is also found at the road edge or in the center of highways, motorways or other high speed ways. Unlike box beam, open box beam has been coiled into a trapezoidal section. The trapezoidal rail is connected to the post by the fish plates. Commonly, the rail is supplied in 4.8m and 2.4m lengths. According to EN 1317, post spacing is 1.2m or 2.4m.

Z section post or H post, fish plates, bolts and other accessories are provided at the same time for easy installation. Special request will be available.

Median barrier is parallel with the highway and used to separate opposing directions of traffic on a divided highway or motorway. It is designed to reduce the risk of errant vehicles especially head-on crash which would be terrible if happens.

Considering the safety of people in the errant vehicle, median barriers should perform well in redirecting light vans, cars and trucks. Traditional concrete barriers is a very common type. Though it is effective and maintenance-free after installation, it should be a little more expensive in the initial cost and more severe injuries.

More and more states and countries prefer to choosing semi-rigid barriers such as W-beam guardrail, box beam guardrail, thrie beam guardrail or cable barriers.

Roller Type Barrier can also called safety roller, rolling barrier, roller barrier, drum barrier or highway roller, and widely used on sharp carve road or bend road zone.

Safety roller is a fixture that prevent drivers and passengers from fatal accidents by not only absorbing shock energy but also converting shock energy into rotational energy. It is designed to effectively absorb shock and lead vehicle running back to the road direction to prevent large accidents at bend or carve road sites.

Safety roller will effectively function for drivers to properly control vehicles with its noticeable color and self-luminescence.