

# METAL BEAM CRASH BARRIER

BY NEZONE

*Also Known As Guardrail*



*Your Safety ... Our Priority...*



VALUE BUILT WITH QUALITY

# About Us

As India's leading Steel and Engineering Company, Nezone Group business operations extend to the production of the full range of steel products and services as a multi-plant manufacturer. From its inception in 1981, the group has grown fast and rapidly reached up the corporate curve, scaling new heights at the moment with new products in the Power & Infrastructure Sector in its plants located in the states of Assam, Meghalaya, West Bengal & Tamil Nadu with a total Production Capacity of 3,50,000 M.T Per Annum

## Products Manufactured

- Galvanized Pipes • Mild Steel Tubes • RHS/SHS (Rectangular/Square Hollow Section Tubes) • CR Strips
- CR Tubes • High Mast • Transmission Tower • Substation Structures • Scaffoldings • Octagonal Poles
- Swaged Poles • Electric Vehicles



## Metal Crash Barrier

Metal Crash Barrier popularly known as Highway Guardians are the need of today & tomorrow. With futuristic concepts emerging for ensuring safety and security of lives on road, metal crash barrier is an essential and crucial product in today's fast paced life.

### Features

- Our tested and proven barriers ensure minimum damage to the vehicle and its occupants
- During collision the W beam absorbs maximum energy by flattening out and laterally restrains the vehicle from veering over
- Prevents the vehicle from skidding provides a good visual guide to the drivers especially in the night
- Enables quick repairs in case of accidents
- All components are hot dip galvanized for longer life

### Application

- Mountain roads –Barriers for Protection
- Expressways & Highways- Barrier for retaining
- Medians /Grade separators-Barriers for containment
- Car racing track- Barriers as crash guards
- At airports, chemical plant and mines- Barriers for interior traffic safety
- Around trees, water bodies, bridge piers etc. Barriers for fencing

# Components

## W Beam

Cold Rolled Formed Section

1. 3.00 mm/2.67 mm thick HR sheet
2. Fe 410/Fe 360 grade steel conforming to IS 5986 or IS 10748 or equivalent
3. Hot dip galvanized to 550 gms /sq.m conforming to MORT&H and IS

## Fasteners

1. Hot dip galvanised bolts, nuts & washers
2. Conforming to IS 1364 and IS 1367 of grade 4.6MS
3. 16mm Dia Button head bolts for W Beam to W Beam to spacer connection
4. 20mm Dia Hexagonal Head Bolts for connecting Spacer & Post.

## Post/Spacers

Anchored to foundation on ground & bridges

1. Channel section of 75\*150\*75\*5mm
2. 5mm thick HR Sheet
3. Fe 410/Fe 360 grade steel conforming to IS 5986 or IS 10748 or equivalent
4. Hot dip galvanized to 550 gms/sq.m conforming to MORT&H and IS

## End Section

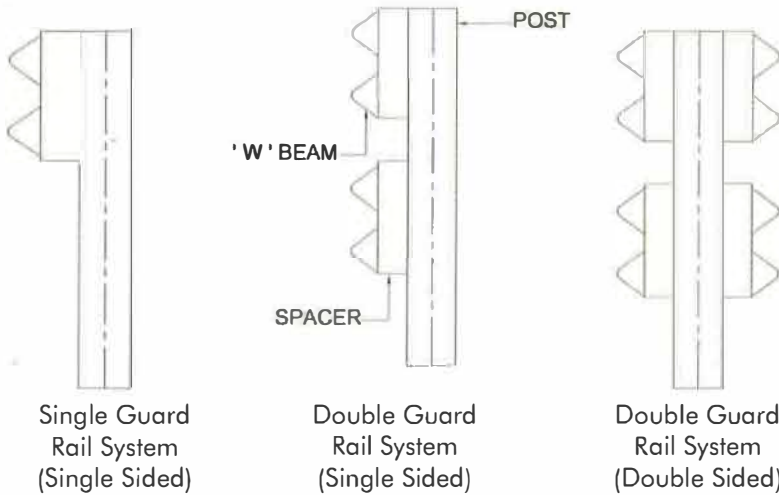
1. Anglised
2. Fish Tail

## W-Beam Technical Specifications

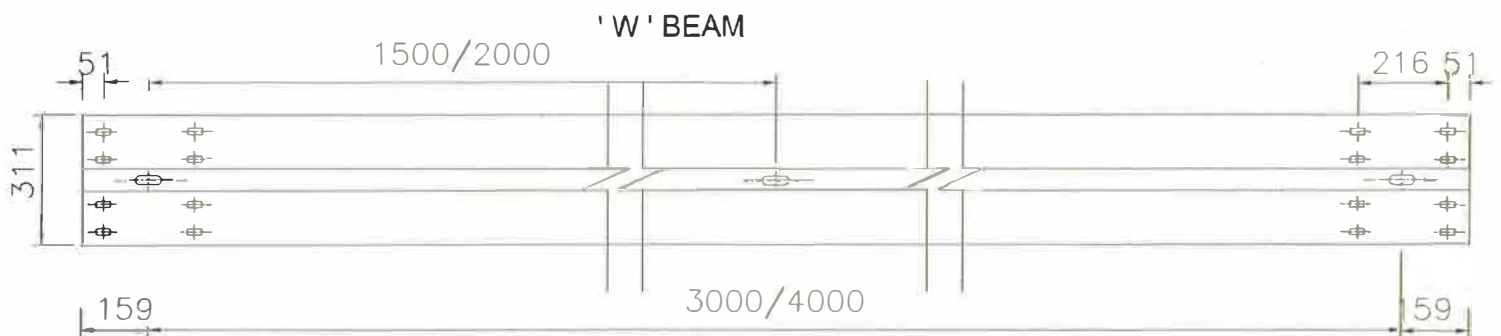
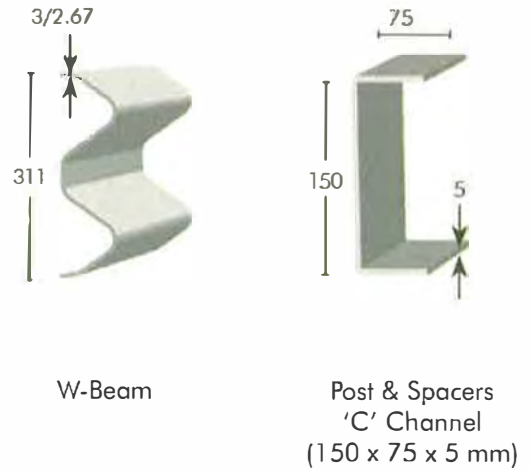
Thickness : 3.0/2.67 mm  
 Effective Length : 4000/3000 mm

Overall Length : 4318/3318 mm  
 Width : 312 mm

## Types of Crash Barriers



## Standard Specifications





Manufactured By



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