



METAL BEAM CRASH BARRIERS **UNYIELDING SAFETY FOR EVERY ROAD**



SHRI BAJRANG POWER & ISPAT LTD.

Since 2002, "**Shri Bajrang Power & Ispat**" has been a symbol of excellence in production of iron ore, steel, and steel products. As pioneers in the steel industry in central India, we embrace innovation to match global technological advancements.

Today, under the leadership of **Shri Suresh Goel Ji**, "Shri Bajrang Power & Ispat Ltd" has become one of **Central India's largest industrial houses**. Our diversified portfolio includes iron & steel, mining, power, ferroalloys, fly ash bricks, digital marketing, and media. Additionally, we take pride in contributing to society's needs by establishing a world-class school in central India, equipped with modern amenities to foster the overall growth of students.

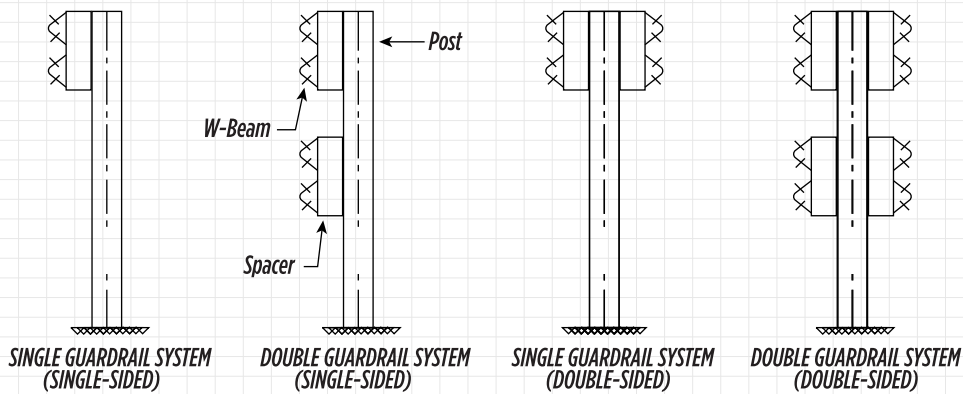
INTRODUCING METAL BEAM CRASH BARRIER (MBCB):

A Safety Barrier Solution for Highways, Industrial, and Off-Highway Applications. The Metal Beam Crash Barrier, VRS / MBCB, is designed to absorb and minimize the impact force of a crashing vehicle. Through strategic deformation and displacement, it significantly reduces the severity of accidents, safeguarding the lives of drivers, passengers, and commuters involved. Moreover, this protective system extends its shield to surrounding environments, shielding buildings, road furniture, trees, and other valuables from uncertain vehicle movements. With VRS / MBCB, safety and security are paramount.

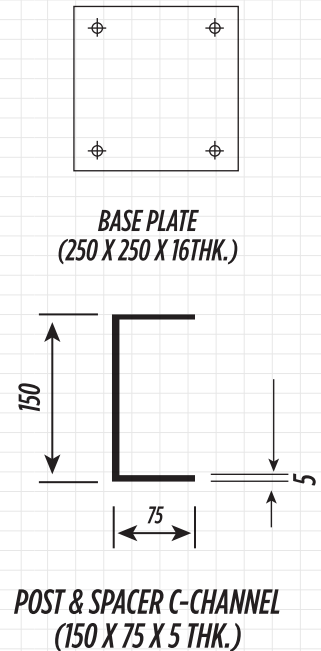


W-BEAM, THRIE BEAM, POST AND SPACER TECHNICAL DETAILS

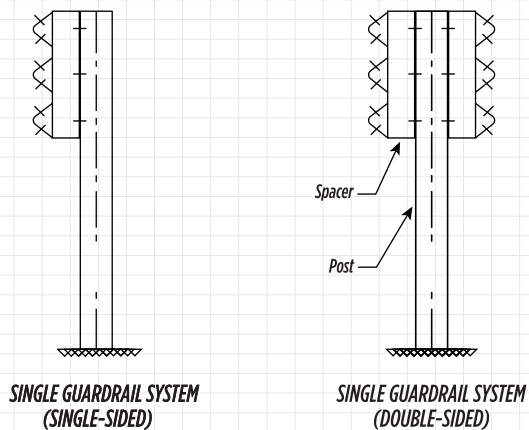
W-BEAM TYPES



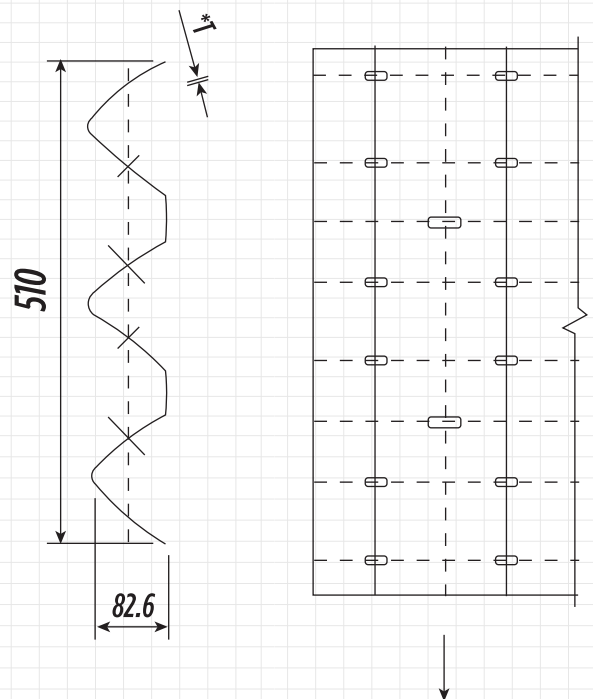
BASE PLATE & POST/SPACER DETAILS



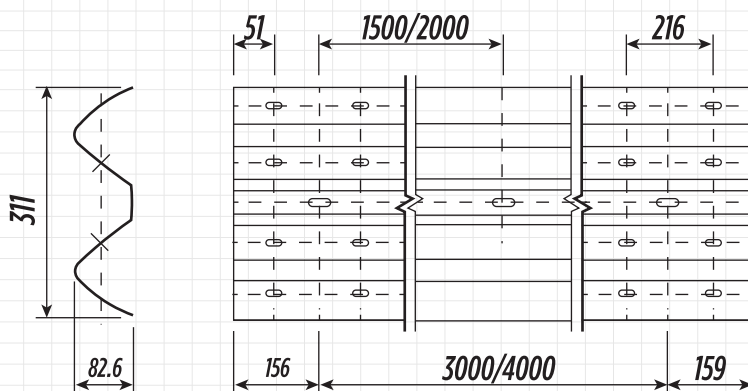
THRIE BEAM TYPES



THRIE BEAM SPECIFICATIONS



W-BEAM SPECIFICATIONS



$$*T = 2.67/2.74/2.82/3.0$$

ALL OTHER DIMENTIONS ARE AS PER W-BEAM

APPLICATIONS:

1. Crash barriers lining the railroad's route on both sides
2. On footpaths and bridges for pedestrians.
3. In high embankment areas, such as on bridges and bridge approaches.
4. Along Ghat roads in hilly areas.
5. On motorways, roads, medians, and highway edges.
6. Near bridge piers, abutments, and significant structures situated in potentially dangerous regions.

GENERAL SPECIFICATION:

- A. Base Material: As per IS 5986 / IS 2062 / IS10748 or equivalent
- B. Galvanizing : As per EN 1461 / IS 4759
 - Hot dip galvanizing (minimum deposition)
 - 550 GSM single spot
- C. Fastener: As per IS 1364





DIMENSION: FOR INDIVIDUAL APPLICATION

W - Beam Crash Barrier		Thrie Beam Crash Barrier	
Item	W-BEAM	Item	Thrie Beam
Thickness	3 mm	Thickness	3 mm
Overall Length	4318 mm	Overall Length	4318 mm
Width	311 mm	Width	510 mm

C - Section	
Item	Post/Spacer
Thickness	5 mm
Dimensions	150 x 75 x 5 mm
Post Length – W- Beam	1800 mm
Post Length – Thrie Beam	2100 mm
Spacer Length – W - Beam	330/360 mm
Spacer Length – Thrie Beam	550 mm

Note: Customization as per customer's requirement.

CRASH BARRIER FENCING ON BOTH SIDES OF THE RAILWAY ROUTE TRACK



CONFORMING STANDARDS SPECIFICATION

IRC 119	Ministry of Road Transport & Highway(MORTH)
IRC SP-73-2018	Indian Road Congress
EN 1317 – 1 & 2	Road Restraint System
NCHRP - 350	National Cooperative Highway Research Program
GALVANIZING	EN 1461 / IS 4759
FASTENERS	IS 1364 / IS 1367

WHY CHOOSE "GOEL PIPES" METAL BEAM CRASH BARRIER?

Strength: GOEL PIPES MBCB stands out with its exceptional strength achieved through advanced roll forming technology. Using high-grade steel like IS2062 or equivalent / IS 5986 / 10748 or equivalent, the barriers can effectively deflect a colliding vehicle, redirecting it to a safe path by absorbing the impact momentum.

Longevity: Our barriers are not only robust but also designed for longevity. Through the Hot Dip Galvanizing method, a protective Zinc Coating, compliant with EN 1461 / IS 4759, is applied to the barriers. This prevents rusting, ensuring a prolonged life span.

Economical: At GOEL PIPES, we prioritize safety without compromising affordability. Our automated plant guarantees the production of top-quality barriers in a cost-effective manner, without compromising on safety standards.

Two (2) Profiles Available: We offer versatility with our safety barriers, providing two beam profiles - "W" and "Thrie" - to suit various requirements.

Service: Our team of qualified engineers is dedicated to providing round-the-clock technical guidance and support.



SHRI BAJRANG POWER AND ISPAT LIMITED

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