

Highway Guardrail

Baolai Steel provides an extensive highway guardrail products including 10 gauge and 12 gauge material. We have plain "W" and Thrie beam, curved guardrail from 5' to 60' radii, Galvanized Steel Post I-Beams (with and without base plates), a wide variety of terminal end conditions including SGTs, and a wide variety of steel posts for state and non-state use.

We first introduce the size of each accessory, and then give the size of an overall solution.



W beam and Thrie Beam



W-beam



Thrie Beam

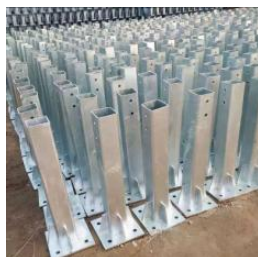
Beam Size

Product Name	W-Beam and Thrie Beam Highway Guardrail Galvanized		
Standard	AASHTO M-180, EN1317, RAL-RG620, JT/T 281-1995, JT/T 281-2007, JT/T 457-2007, SPS98S, EU, USA, AS/NZS, or any other International Standards.		
Material	Q235, Q345		
Surface	Hot dip galvanized ($\geq 500 \text{ g/m}^2$)/ Power Coated		
Shape & Size	Size	W-Beam	Thrie Beam
	Shape	Two Waves	Three Waves
	Wave Width	300 - 600 mm	400 - 900 mm
	Wave Height	50 - 100 mm	50 - 100 mm
	Thickness	2 - 6 mm	2 - 6 mm
	Length	4100 - 4400 mm	4100 - 4400 mm

Post



Round



Square



Sigma



C



U




H

Beam Size


Shape	Size
	mm
Round	60.3 - 168.3 mm
Square	130x130 mm, 4"x 4", 5"x 5", 6"x 6"
Sigma	100 x 55 mm
C	100 x 50 mm, 120 x 55 mm, 120 x 58 mm, 120 x 80 mm, 150 x 120 mm, 160 x 120 mm
U	120 x 80 mm , 150 x 75 mm
H	120 x 55 mm, 140 x 73 mm

Accessories


Cap

	Diameter	110-150mm
	Thickness	4-5mm

Bolts and Nuts

	Specification	M4-M64
	Length	40-460mm

Offset Block

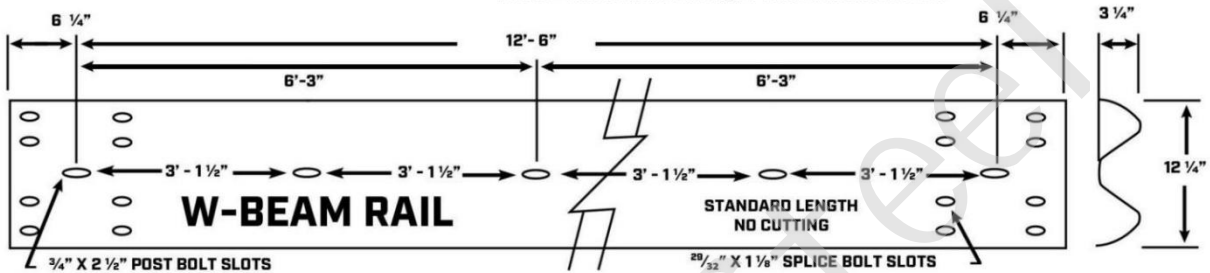
	Diameter	As per standard
	Thickness	3-8mm
	Color	Hot dip galvanized/ PVC coated

If you're looking for a different but similar option with added benefits, check out our Standard Guardrail.

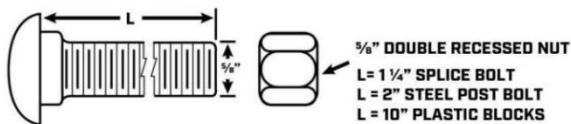
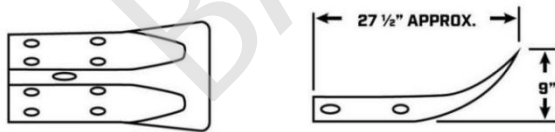
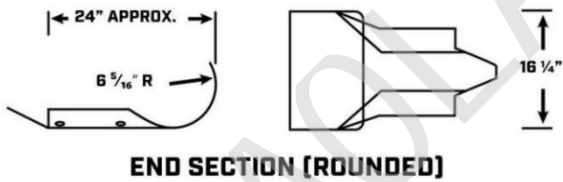
HIGHWAY GUARDRAIL SPECIFICATIONS

RAIL IS SUPPLIED HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A-123.

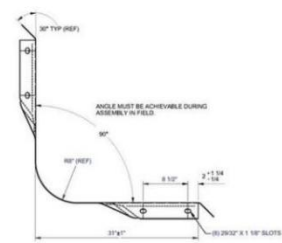
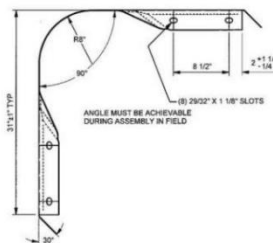
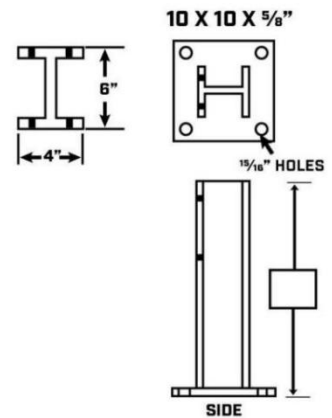
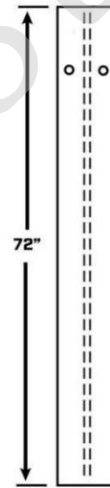
TYPE 2 = ZINC COATED 3.6 OZ/FT² MINIMUM SINGLE SPOT



DIMENSIONS AND MECHANICAL PROPERTIES [UNCOATED]	
ITEM	CLASS A [.105 IN. THICK]
BEAM WIDTH, IN. MINIMUM	12
BEAM DEPTH, IN. MINIMUM	3
CROSS-SECTIONAL AREA, SQ. IN.	2.01
MOMENT OF INERTIA, IN. ⁴	2.34
SECTION MODULUS, IN. ³	1.39
WEIGHT/FT., LB. [APPROX.]	6.82



BUTTON HEAD BOLTS AND DOUBLE RECESSED HEX NUTS



OUTSIDE CORNER

INSIDE CORNER