

Steel Roller Guardrail

HG-RR501-SB4





Part 1 Steel Roller Guardrail **Specification**

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Part 1 Feature

SHOCK ABSORPTION ROLLER



- Secure Driving direction of Car
- Prevent SecondAccident
- High Durability Semi Permanent
- Patent regarding Structure and Technology
- Color Customizing
- High Stability



Part 2 Steel Roller Guardrail **VehicleCrashTest**







Part 2 Test Report



Evaluation articles	Criteria	Test Result
Strength	Maintenance of intensity	It has enough maintenance of intensity from Collision (The connecting piece is not damaged, Maintain safety of construction member)
Deformation	Max deformation distance : Below 1.0m(in the soil) Below 0.3m(in the concrete)	 Max deformation distance: 0.57m (at rail of the No.10 post) Max Working Width(W): 0.95m
Scatter Prevention	No major part of the safety barrier shall become totally detached or present an undue hazard other occupants and pedestrians.	No scatters of the safety barrier
Test Vehicle Behavior	The vehicle shall remain upright during and after collision.	Not overthrow or a sudden stop after collision
	The center of gravity of the vehicle shall not pass through the center line of barrier.	Not pass through the center line of barrier
	The wheel of the vehicle shall not pass through the B-line of exit box. A: 8.74m B:20m	

Part 2 Test Report



Evaluation articles	Criteria	Test Result
Occupant Safety Performance	THIV: Below 33km/h (Theoretical Head Impact Velocity)	THIV : 23 km/h
	PHD: Below 20g (Post-impact Head Deceleration)	PHD : 7 g's
	ASI: Reference value (Acceleration Severity Index)	ASI : 0.7
	No major part of the safety barrier shall become totally detached or present an undue hazard other occupants and pedestrians.	No scatters of the safety barrier
	Deformation of compartment of vehicle- Roof \leq 100mm- Windshield \leq 75mm- Front door \leq 230mm- Window : no shattering	Deformation of compartment of vehicle - Roof : 3mm - Windshield : 4mm - Front door : 1mm - Window : Not shattering
Test Vehicle Behaviour	The vehicle shall remain upright during and after collision.	Not overthrow or a sudden stop after collision
	Rotation angle(Roll, Pitch) of vehicle : Below 75°	Roll : 11.01° Pitch : -27.75°
	The wheel of the vehicle shall not pass through the B-line of exit box. A: 4.76m B:10m	2.0m 1.0m 1.0m 1.0m 1.0m 1.0m 1.0m 1.0m 1.0m 1.0m 1.0m 1.0m 1.0m

Part 3 Steel Roller Guardrail Installation Example









STEEL ROLLER GUARD RAIL AUTHORISED DISTRIBUTOR FOR PAN-INDIA

EROS INFRASTRUCTURES PVT LTD

G-97, MIDC BUTIBORI, NAGPUR - 441103 – INDIA

Mob: +919371272053; +919159645322 Tel: +91-07103-297611 Email: <u>eipl.sales@erosgroup.co.in ; chippa@erosgroup.co.in</u>