



CRASH RATED BOOM BARRIER GAJRAJ 4

India's first indigenously designed and manufactured Crash Rated Boom Barrier.

The Barrier has been tested by India's premier R&D institute, ARAI, Pune wherein the barrier was hit at 48 km/h by a fully laden 6.8-ton truck.

The crash beam incorporates high tensile steel specially manufactured for this product by one of India's leading steel manufacturer. In a collision, the energy of the Impact is transmitted through the crash beam to the reinforced foundation.

All parts of the barriers are manufactured keeping in mind the corrosive nature of the tropical Indian Climate. All parts of barriers are first galvanized and then given a double layer of epoxy coating to prevent rust. The barrier can easily be operated manually in times of power failure. The design of the barrier ensures that the crash worthiness of the barrier is not dependent on the actuating mechanism on whether it is in manual mode or hydraulic mode.

With Spare kit, a part of our standard supply and service network extending pan India, after sales service is always a priority for us.

SAFETY: Safety is most important to us and we provide dual safety mechanism when the barrier is operated automatically.

1. Safety against vehicle: loop detector
2. Safety against human traffic: photo sensor

DETAILED TECHNICAL SPECIFICATIONS

SR. NO.	DESCRIPTION	SPECIFICATIONS
1	Model	GAJRAJ 4
2	Rating	K4 Rated (6.8 Ton truck impacted at 48 km/h)
3	Barrier Type	Crash Boom Barrier
4	Mechanism	Electro – Hydraulic / Manual
5	Dimensions	Length – 3 to 7 meters Height – 90 cm Width: 180 cm
6	Operating Temperature	-20 to + 60 Degree Celsius



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7	Power Supply (Automatic)	440V AC (3 Phase)
8	Operating Pressure(Automatic)	Pressure in the oil pump can be adjusted between 30 to 120 bars.
9	Speed	Opening and closing times can be adjusted between 3 to 6 seconds and speeds can be adjusted separately through hydraulic adjusters in a closed-circuit system Optional Emergency close option (2 Sec) is available on request.
10	Operative Options	Push button/Remote Control/ Manual
11	In case of Power Failure	Manual operation possible by hand pump/bypass valve. Option available for accumulator based automatic operation
12	Safety Mechanism	Sensors for Human & vehicular safety is provided as a std accessory along with visual and audible warning lamp
13	Additional Features	<ul style="list-style-type: none">• The hydraulic power-pack can be installed within the main barrier body or can be separately installed in case of space constraint• Two Pairs of photo sensors and Loop Detectors are provided as standard accessories for safety against human traffic and vehicles• Activated warning lights while barrier is in operation