

## CRASH RATED BOOM BARRIER - GAJRAJ 8

Swaraj Secutech presents India's first indigenously designed, manufactured and physically tested Crash Rated Boom Barrier. The Barrier has been impact tested by Horiba, MIRA, U.K. wherein the barrier was hit at 64 km/h by a fully laden 7.2-ton truck.

The crash beam incorporates a 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

### SPECIFICATION

MODEL NO.	GAJRAJ 8
RATING	K8/IWA 14-1:2013 (7.2-ton truck impacted @ 64 kmph)
IMPACT LOAD	1140 KILO JOULES
BARRIER TYPE	CRASH BOOM BARRIER
MECHANISM	ELECTR-HYDRAULIC / MANUAL
DIMENSIONS	LENGTH : 3-7 METERS
POWER SUPPLY (AUTOMATIC)	420 V (AC), 50 Hz (3 PHASE)
OPERATING PRESSURE (AUTOMATIC)	PRESSURE IN THE OIL PUMP CAN BE ADJUSTED BETWEEN 30 TO 120 BARS
SPEED	8-10 SECONDS
EMERGENCY FAST OPERATION	2 SEC.( OPTIONAL & CUSTOMISABLE)
OPERATIVE OPTIONS	PUSH BUTTON / REMOTE CONTROL / MANUAL
PROTECTION CLASS	IP 66 (CUSTOMISABLE)
MTBF	5 MILLION CYCLES
IN CASE OF POWER FAILURE	MANUAL OPERATION POSSIBLY BY HAND PUMP / BYPASS VALVE
MATERIAL OF CONSTRUCTION	HIGH TENSILE CARBON STEEL
DUTY CYCLE	100%
SAFETY MECHANISM	SENSORS FOR HUMAN AND VEHICULAR SAFETY IS PROVIDED AS A STANDARD ACCESSORY ALONG WITH VISUAL AND AUDIBLE WARNING LAMP
ACTIVATED WARNING LIGHTS (OPTIONAL)	ACTIVATED WARNING LIGHTS WHILE BARRIER IS IN OPERATION
ADDITIONAL FEATURES	<ul style="list-style-type: none"> <li>• THE HYDRAULIC POWER-PACK CAN BE INSTALLED WITHIN THE MAIN BARRIER BODY OR CAN BE SEPARATELY INSTALLED IN CASE OF SPACE CONSTRAINT</li> <li>• PAIR OF PHOTO SENSORS AND LOOP DETECTOR WILL BE PROVIDED AS STANDARD ACCESSORIES FOR SAFETY AGAINST HUMAN TRAFFIC AND VEHICLES</li> </ul>



“PROUDLY MADE IN INDIA”