

CRASH RATED BOOM BARRIER - GAJRAJ 4(M)

Swaraj Secutech presents India's first indigenously designed and manufactured Crash Rated Boom Barrier. The barrier has been physically crash tested by Horiba MIRA, U.K. wherein barrier stopped a 7.2ton truck @ 48 km/h with only 0.5meter penetration.

The crash beam incorporates a design protected high tensile carbon steel which on collision transmits the kinetic energy 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 and are corrosion proof.

The Crash Rated Barrier (Gajraj 4(M)) is a unique Hostile vehicle mitigation solution which has been tailored to stop an intruding truck of 7.2 ton @ 48 kmph. The uniqueness of the barrier is the fact that it needs only 530 mm of foundation depth and is operated manually without the use of any hydraulics.



TO WHOM THIS MAY CONCERN

17th January 2019

To whom it may concern,

This is to confirm that a Swaraj Secutech PVT LTD Gajraj 4 rising arm gate was impact tested at HORIBA MIRA Ltd on 11th January 2019 under Test number W0004.

The Impact test was carried out in accordance with **IWA14-1:2013 Impact test Specification** for Vehicle Security Barriers with the target impact point being the midpoint of the clear opening gap of the gate and the test item was given a performance classification of:

IWA 14-1:2013 Gate V/7200[N2A]/48/90:0.5

The Vehicle Penetration was 0.5metres.

For more details, including the classification of the product, please refer to HORIBA MIRA test report when available No: 1218434-009.

Yours Sincerely,
For and on Behalf of HORIBA MIRA LTD

D Johnstone

Dave Johnstone
Consultant - HSPI



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SPECIFICATION

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|--------------------------|---|
| MODEL NO. | GAJRAJ 4 (M) |
| RATING | K4/IWA 14-1:2013 Gate V/7200[N2A]/48/90:0.5 (7.2ton truck impacted @ 48 kmph) |
| IMPACT LOAD | 656 KILO JOULES |
| BARRIER TYPE | CRASH BOOM BARRIER |
| MECHANISM | MANUAL ENABLED BY SUITABLE COUNTERWEIGHT |
| OPERATION | OPERATION BY PULLING SECURED ROPE |
| DIMENSIONS | LENGTH : 3 - 6 METERS |
| PROTECTION CLASS | IP 66 (CUSTOMISABLE) |
| MATERIAL OF CONSTRUCTION | HIGH TENSILE CARBON STEEL |
| DUTY CYCLE | 100% |



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