

GENIUS™ TRAFFIC BARRIER

BoomGate[®]
Systems (PTY) LTD

Reg. No. 98/23505/07 Engineering Access Control



APPLICATIONS

High Volume Access Control such as:

- ✦ Parkades
- ✦ Shopping Malls
- ✦ Residential Estates
- ✦ Any Commercial, Industrial or Mining Application or severe conditions
- ✦ Interior and Exterior Installations

CONFIGURATION

- ✦ With 2.5m, 3m, 3.5m, 4m, 4.5m, 5m, 5.5m, 6m and 7m boom arm.
- ✦ Octagonal boom arm is standard with break-away mechanism or round boom arm – aluminium powder coated.
- ✦ Left hand and right hand available.

TECHNOLOGY

The barrier is 100% locally manufactured and designed to handle high volumes of traffic and has a 100% duty cycle. The barrier is equipped with a torque motor which lifts the boom arm through a sinusoidal level system which allows the boom arm to be locked in both up and down positions. All the electronic equipment is manufactured to ISO standards. The boom arm lifts up to 85° in the event of a power failure. Up to 2 tension springs can be used for counter balancing. Left and right hand barriers are available with round or octagonal boom arms. The boom arm can also be equipped with a curtain. The barrier requires minimum maintenance.

FEATURES

- ✦ The new barrier comes standard with a boom break away system. This ensures that the boom arm stays attached to the barrier and swings away from the roadway in the event that a vehicle crashes into the boom arm.
- ✦ The boom arm is joined to the boom adaptor with 2 nylon nuts, which will shear in case of accidental collision with the boom arm and prevent damage to the barrier and boom arm.
- ✦ 3 Ultra long lasting rubber buffers are used for boom dampening to eliminate bouncing.
- ✦ The Control Panel comes standard with 12V outputs for I.R. beams or remotes.
- ✦ Additional auxiliary relay for robot control or inter-locking.
- ✦ The boom opens to 85° on power failure.
- ✦ Operating speed is from 2 – 4 seconds from horizontal to vertical position.



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Due to constant upgrading and improvements, product specifications are subject to change without notice.

We specialise in the manufacture and distribution of Traffic Barriers, High Security Spike Barriers, Turnstiles (all types), Road Blockers, Magnetic Locks, Paraplegic Gates, Pedestrian Barriers, Bollards, Gooseneck Stands, Parking Control and Security Equipment.

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TECHNICAL SPECIFICATIONS

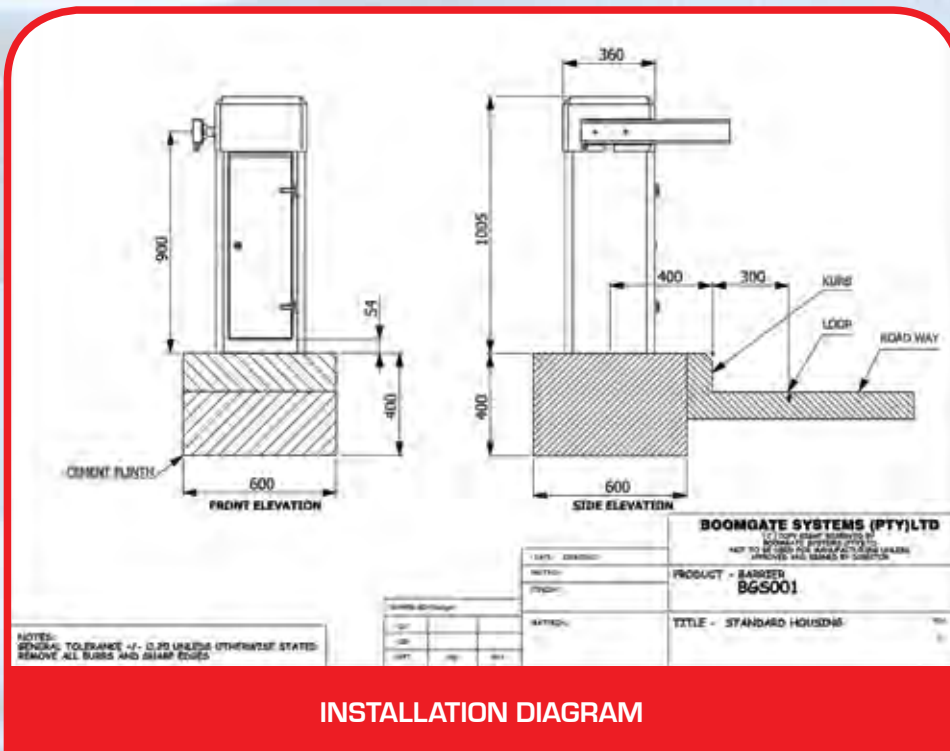
- Power: 220V AC
- Frequency: 50 Hz
- Power consumption: 80 Watts
- Operating Temperature: up to 55°C
- Cabinet weight (excl. boom arm): 60kg
- Packed size: 400 X 400 X 1050mm (excl. boom arm)
- Systems Integration: Barrier can integrate with any triggering device by means of n/o dry contact (pulse trigger)

ACCESSORIES

- Jack-knife kits
- Gooseneck stands
- Robots with mounting brackets
- Remote controls
- Push buttons

MANUFACTURING OPTIONS:

- Mild steel powder coated to ISO standards – standard colour is red lid and white bottom – textured exterior paint. (Any other RAL colours are available on request)
- Brushed s/s 304 or s/s 316
- Cabinet: Rated IP54
- Large lockable doors (hinged doors available on certain models)



INSTALLATION DIAGRAM

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