



# Broughton 370 (Rapid Gate)

## Entrance Control / Bi-Folding Safe Gate

The trackless Rapid Gate is probably the most versatile gate currently available.

Requiring no inconvenient and troublesome ground track or height-restricting overhead box, the Rapid Gate offers a convenient, economic and secure option for vehicle entrance control.

Suitable for underground car parks and restricted building entrances, fast enough for Police, Ambulance and Fire Stations, Heras has successfully installed the Rapid Gate in a wide variety of locations, this gate system is ideal for situations requiring a high level of security with fast, reliable operation at high traffic levels but where the considerable space required for conventional hinged or sliding gates is not available.

Part of Heras 'SAFE' range of products that are designed and manufactured to a specification that is fully compliant with the latest British and European standards, the Broughton 360 'Rapid Gate' designs are based on years of experience and combine attention to detail with innovation to ensure built-in quality and reliability.

- **Single Bi-folding leaf up to 4.5 metre**
- **Dual Bi-folding leaf up to 9 metre**
- **Hi-speed operation of 7 seconds**
- **No ground track required**
- **No overhead box required**
- **Electronic monitoring of crushing points**
- **Micro processor control interfaces with all access technologies**
- **Programmable fail safe for power failure**
- **Quality control in accordance to ISO 9001:2000**
- **Conforms to all relevant British and European Standards**



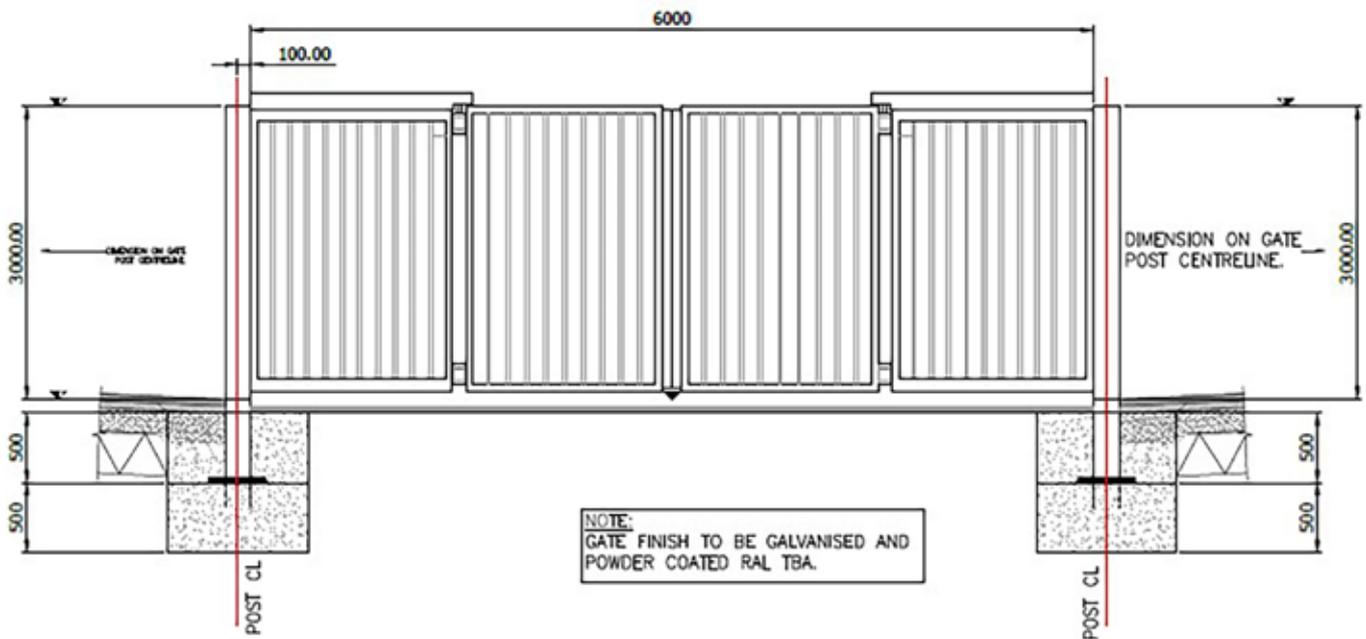
## General Specification

- Unique secondary drive system for the outer section of the gate leaf allows opening and closing without guidance from either top or bottom tracks
- Serrated strip along the top of each leaf section provides additional security from pedestrian attack
- When closed, the two leaf sections form a straight line, with the leading edge located in a receptor ground plate located in the centre of the road
- Inner section of leaf is powered by a single hydraulic torque motor mounted alongside the gate-post on the secure side
- Torque motor operation is controlled by a PLC based unit located within the control cabinet
- Local key switch allows a hold open facility
- Gate can be linked to card reading systems to activate either entry or exit
- Traffic signals control single line, two way traffic through the gate system with vehicle passage monitored by a series of vehicle detection loops

## Options & Software

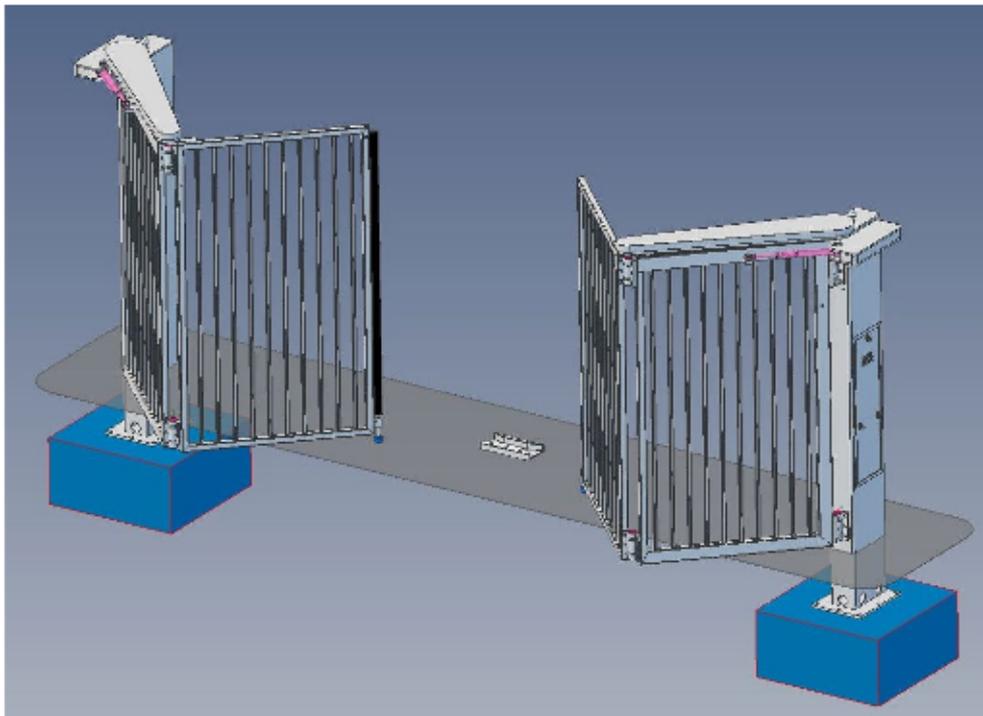
- Induction loops, safety, free entry/exit
- Infra-red safety beams
- Auto-close
- Timed controls
- Local/Remote push button
- Warning lights/Sounders
- Directional traffic lights
- Traffic management system
- Access reader/Radio/intercom/Video control
- Fully welded gate leaf section assemblies constructed of steel tube frames, with closely spaced infill bars to reduce climb-over Access

## Technical Specification



# BI-FOLDING SPEED GATE

## OPERATION & MAINTENANCE ISSUE B



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### Document History

Issue	Date	Description	Author	Checked
B	JUNE 2018	Second Issue	DA	GT



# SECTION 1

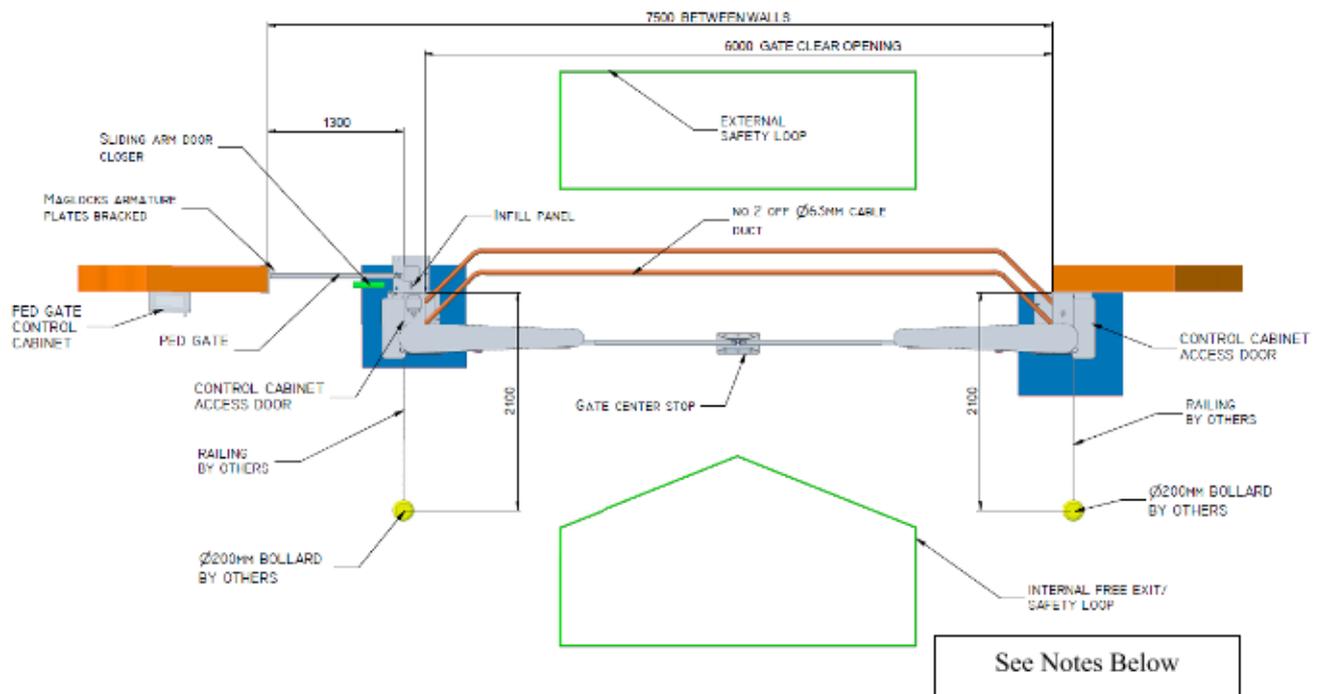
## SPEED GATE OPERATION & SAFETY

### Operation

On approaching the entrance stop outside the gates. The gates will open automatically by using a FOB or other access control. Once the vehicle has cleared the safety devices the gate will close automatically.

On exiting the gates will open automatically by using a FOB, free exit loop or other . The gates will close automatically on clearing safety devices

### Speed Gate Safety



The Speed Gate is a machine that could hurt a person so it is very important that the following instructions are observed:

- 1) The gate should under no circumstances be used to allow entrance of pedestrians. Separate access routes should be provided.
- 2) It is the responsibility of the owners of the gate to ensure that the gate is maintained and serviced.
- 3) The gate has safety edges on the leading edges that will stop the gate. It also has safety photocells across the threshold and may have internal and external safety comprising photocells or induction loops.(this is site specific and dependant on specification and site requirements)
- 4) There should be an area of at least 0.5m between the gate in the open position and any obstruction.
- 5) We advise an area is hatched on the ground that covers the arc of the gate so people are aware of the direction of movement and are advised of area to keep clear.
- 6) It is the gate owners responsibility to carry out a risk assessment and clearly advise personnel of the risks associated with the gate. The gate should not be used for pedestrian access.
- 7) People should remain in their vehicles at all times.
- 8) The gate should be passed through only when it is in the fully open position and has stopped moving. It should also be clear to pass through completely without stopping.
- 9) A clear warning sign should be installed on the gate.
- 10) The centre stop can be as high as 60-90mm depending on levels. Please advise staff and all visitors as Eagle cannot be held responsible for any consequential loss or damage
- 11) The above is generic and not necessarily site specific.
- 12) Please read in conjunction with Eagle Terms and conditions.

# SECTION 2

## GENERAL LAYOUT DRAWING

