

BI-FOLDING SPEED GATES



The popular bi-folding speed gate is a fast acting security gate which is ideal for sites where there is a limited area for the gate to open and close.

- Secures apertures up to 10m.
- Standard height: 2400mm, Max height 6000mm
- Full Welded Construction
- Choice of infills including security weldmesh, bar and weldmesh, sheet, decorative & wood.
- Bespoke manufacturing

BENEFITS & FEATURES

- The popular bi-folding speed gate is a fast acting security gate, which is ideal for sites where there is a limited area for the gate to open and close
- Bi-folding gates are available in various models including overhead track, bottom track or trackless
- Hinged Gate leaves can be automated with our range of Trojan, Dutyman or Gate back Actuators

TROJAN ACTUATOR

- Designed to automate larger, heavier gates
- 100% duty rating – designed for continuous operation
- Underground and surface mounted models available

DUTYMAN MKII ACTUATOR

- A surface mounted, self contained electro-mechanical drive mechanism
- The actuator will operate single leaf gates up to 6m, double leaf widths up to 12m and heights up to 6m*.
- 100% duty rating – designed for continuous operation

GATE BACK ACTUATOR

- A powerful yet compact motive unit which provides a solution for automating single leaf hinged gate (up to 5m)
- 100% duty rating – designed for continuous operation

OPTIONS

- 100/200mm Traffic Light System
- High Security Cabinet
- Can be interfaced to any access control systems

SAFETY

- Vehicle detector loops
- Safety photocell beams
- Flashing beacons
- Audible alarm
- Safety Edge

CIVIL REQUIREMENTS

Gate Post foundation

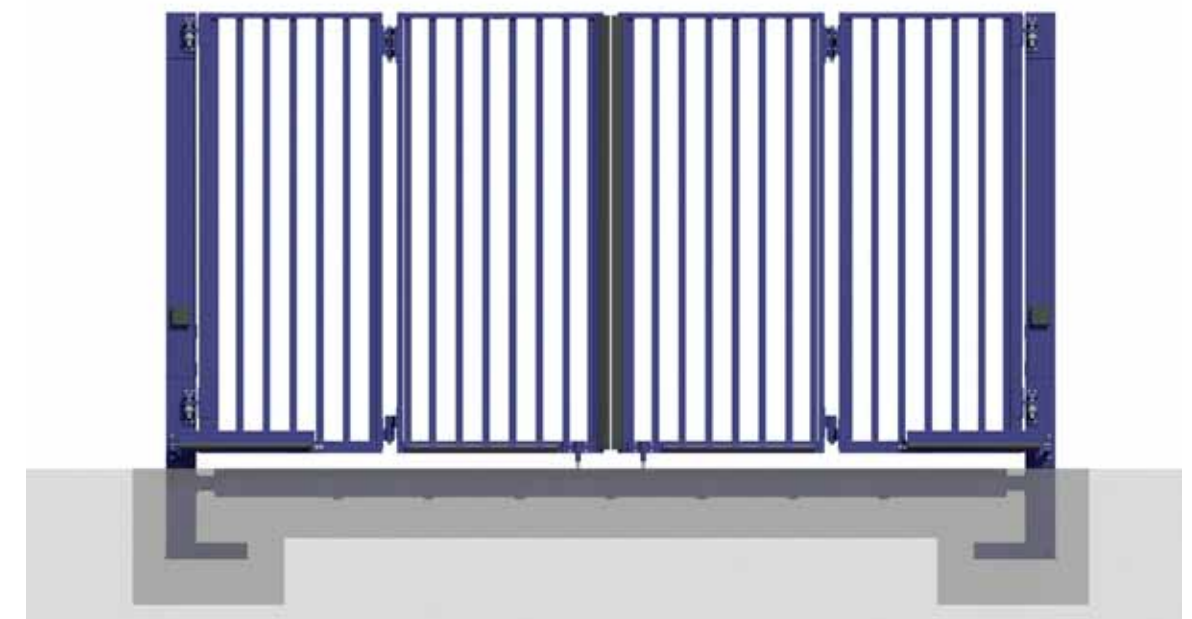
- L: 1600mm
- W: 1300mm
- D: 1000mm

- Dependent on Automation

Note: Power and control wiring ducts to be incorporated into foundations

ELECTRICAL REQUIREMENTS *

- Dependent on Automation



Applications: The popular bi-folding speed gate is a fast acting security gate, which is ideal for sites where there is a limited area for the gate to open and close.

* This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453



GATE BACK ACTUATORS

Gate Back Actuators are small yet powerful motives, which provide a solution for powering single leaf hinged gates.



DUTYMAN ACTUATORS

A surface mounted, self contained electro-mechanical drive mechanism. The design of the actuator makes it practically invisible when installed and therefore is ideally suited for architectural and decorative styles of new and existing gates.

- Extra High Torque Drives
- 6-10 times more powerful than standard drives available on the market with speed control for extra high torque



TROJAN ACTUATORS

Trojan Actuators are a range of powerful motive units for large, heavy gates.

SPECIFICATION

DESCRIPTION	DUTYMAN MKII	DUTYMAN MKIII	GATE BACK ACTUATORS	TROJAN ACTUATORS
Type	Electro-mechanical	Electro-mechanical	Hydraulic	Hydraulic
Mounting	Surface mounted, self contained drive mechanism	Surface mounted, self contained drive mechanism	Ram is mounted between the gate-leaf and the gate hinge-post	Underground or Surface Mounted
Max Gate Length	6000 x 2400	4200 x 2400	5m x 2.4	6m x 3
Torque	Max 1500Nm	Max 880Nm	Max 880Nm	Max 1500Nm
Safety Torque	Max 400Nm			
Max Angular Speed	12.9°/sec		500mm/second	
Manual Override	Hand wind Secure Side		Battery back up	
Motor Speed	Continuous for smooth operation			
100% duty cycle	Yes			
Maximum Actuator opening	95°		105°	180°
Maximum Length x Height	6000mm x 2400mm	4200mm x 2400mm	5000mm x 2400mm	6000mm x 3000mm
IP Protection	IP 54			
Power	three phase - 10 amp, 5 wire, 400V, 50Hz single phase - 6 amp, 3 wire, 230v, 50Hz			
Max Leaf Weight	4000kg	2500kg	400kg	800kg
Wind Resistance	Infill dependent			
Temperature	-15 to 55°C			
Control	Electronic drive plus special controller		Hydraulically driven ram	
Safety	Motor thermal protection			