Sliding Security Gates

PAS 68 & Security Ranges

www.frontierpitts.com
In accordance with Frontier Pitts policy of continual development, we reserve the right to make changes, improvements or amendments to any product at any time without prior notice. All items are offered subject to availability.
Why Use Frontier Pitts?

Frontier Pitts is more than just a Manufacturer:

90 years experience & accredited to BSI ISO 9001

National & International. Installations in over 90 countries

95 directly employed personnel, including multi-lingual staff & personnel that have been Frontier Pitts for 30+ years

Technical Consultants based at regional offices will visit any site within the British Isles, without charge or obligation, offering technical advice on the most appropriate & effective perimeter security solutions. Including BSi PAS 68 & CEN CWA 16221 standards.

Directly employed sales & support staff

Large product portfolio to suit all budgets & requirements

Standard product specifications are complimented by our bespoke design service. Previous accomplishments include a sliding gate system which secures a 70 metre aperture

Full 3D CAD Design. Site specific drawings issued to clients

British Engineering - Designed & built to last

Mechanical & Electrical Engineering Research & Development Programs

Comprehensive Training Program; ensures the client always receives the very best of our technical expertise

Dedicated Project Manager for each project. All work is executed under the strict control of our specially trained PMs

Fleet of vehicles including HGV’s to ensure the equipment is safely delivered to site, with full ID tracking for security

Highly skilled, dedicated Mechanical & Electrical Field Engineers

Installation, Commissioning, Service & Maintenance

24hr / 7 days a week manned UK Call Centre & Nationwide Breakdown Service

A range of Maintenance Contracts available to suit individual site requirements

Maintenance Contracts with response times in as little as 4 hours

Comprehensive Customer Service

Highly skilled, directly employed engineers located nationally. Frontier Pitts do not use Sub Contractors

Full Installation & Commissioning Service

Civil, Electrical & Ground Works Team

BSi ISO 9001 Accredited and LPCB approved to LPS 1175

Verified and Founder member of the PSSA - Perimeter Security Suppliers Association - with the aim to raise the standards of the industry.

In house resources & skills - IT, Engineering, Fabricating, Maintenance & Installation - to overcome any possible obstacle

Spares Department, holding on average £200K of stock

Frontier Pitts is highly recommended by our existing & previous customers

Extra Fast Repair & Refurbishment for existing customers

Total customer care for your peace of mind

In house secure IT servers, latest software and hardware

Experience of ‘List X’ regulations and data security.
Frontier Pitts manufacture a large portfolio of Security Sliding Gates. Whether the requirement is for a simple, manually operated sliding gate, only used a few times a day, or a completely automated system used continuously, Frontier Pitts will design and manufacture a system designed to meet the sites exact needs. There are various options to consider when specifying your sliding gate, including:

1. Which product range? PAS 68 Impact Tested HVM Anti Terra range
2. Width of road that the gate needs to secure
3. Runback distance
4. Conditions on site (weather/temperature, usage, etc) How many times per day will the gate be operated? Automatic or Manual
5. Sliding Gate Safety
6. Style of fenceline & other accessory requirements

Frontier Pitts manufacture both Cantilevered and Tracked styles of gate.

A Sliding Cantilevered Gate requires no track or support across the roadway - the gate leaf is supported by a main beam, which slides 100mm above the road surface. The balance is provided by a unique enclosed runback track which enables the gate to be fully projected across the roadway without tipping.

The benefits of a Cantilevered Gate are:
- Reduced civils cost
- Ease of installation; no need for road closures
- Reduced maintenance; no track to keep clear

Frontier Pitts Sliding Tracked Gates are modelled on either the LoTracker or Sliding Cantilevered Gates, and incorporates similar design features. They are designed to run on a track installed in the roadway. The track allows wider gates and, therefore, wider apertures to be secured by sliding gates.

All gates are supplied as standard with an inverter. This provides two advantages over direct online starting:
- power supply from a more available variant
- improved control over force limitation, therefore increasing the safety of the gate.

Three phase supply is available as an option.

The Anti Terra range includes equipment successfully impact tested to the BSi PAS 68 specification. The different category ratings are all designed to illustrate how the perimeter security equipment will arrest an energy created by various masses and speeds, as illustrated below:

<table>
<thead>
<tr>
<th>Vehicle &amp; Vehicle Mass</th>
<th>Speeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1 1500kg</td>
<td>30mph / 48kph</td>
</tr>
<tr>
<td>N1 3500kg</td>
<td>40mph / 64kph</td>
</tr>
<tr>
<td>N2 7500kg laden</td>
<td>50mph / 80kph</td>
</tr>
<tr>
<td>N3 7500kg empty 18000kg</td>
<td></td>
</tr>
</tbody>
</table>

When specifying your PAS 68 equipment, first establish what speed the different types of vehicles could reach on site before approaching the barrier & therefore how much energy the barrier may need to stop.

For further information please see Frontier Pitts “Your Guide to PAS 68” or contact the PAS 68 Specialist Technical Consultant on 01293 422800
The renowned Cantilevered Sliding Gate from Frontier Pitts which secures widths up to 15m. Bespoke available.

The ultimate cantilevered sliding gate (non PAS 68 rated) which requires no ground track or support across the roadway. The gateleaf is supported by a main bottom beam, which slides 100mm above the road surface. The balance is provided by a unique enclosed runback track, which enables the gate to be fully projected across the roadway without tipping.

100% duty rating - designed for continuous & frequent use. Power is supplied from a single phase 230V supply. Please see page 6.

Typical operating speeds of 225-500mm/second depending on configuration.

Safety control systems: Vehicle detector loops, safety photocells, ultra-sonic sensors and safety edges are available. Accessories: Signage, audible alarms and flashing beacons. Please see page 22.

Access controls: A wide range of access control systems are available. Please see page 24.

Finish. Various options available, including: Shotblasted, hot zinc sprayed, primed & finished with a final coat of polyurethane paint. Client to advise RAL paint number. This process provides a 20-year corrosion protection system for exterior, industrial polluted inland sites to BS5493, 1977 (Revised 1984).

Various infills available including bar, weldmesh, sheet, and bespoke such as wood and ornate.

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

Applications: Heavy Duty Sliding Gate without the PAS 68 specification.
Banks | Depots | Cargo Parks | Ports | Airports | Warehouses | Delivery entrances | Utility | Heavy Industrial & Commercial Premises

Features
100% Rated Motor
Override switch
Security lock on door
Switched fuse supply double pole isolator
Mains failure indicator lamp
Earth bonded door
Easy accessible fuse unit
Motor protection

Construction
The gate leaf is a fully welded construction of rectangular hollow section, low carbon steel to BS4848 Pt.2. Posts size: 100 x 100mm.

Infill - various infills available, including bar, solid sheet, weldmesh, etc. Standard bar infill: Vertical 50mm x 25mm ERW bar infill at approximately 180mm centres, backed by 8 gauge x 50mm square galvanised weld mesh, painted to match

Minimum length of runback track: For gate apertures of 10 - 12m Runback Length = Gate Aperture x 1.5 + 500mm For gate apertures of 12m+ Please contact the Technical Sales Department on 01293 422800

CIVIL REQUIREMENTS
Gate leaf Foundation - L: Runback length + 400mm x W:1000mm x D:300mm
Receptor Post Foundation L:600mm x W:1000mm x D:300mm
(Note: Power and control wiring ducts to be incorporated into foundations)

ELECTRICAL REQUIREMENTS
Single & three phase supply available.
The popular Sliding Cantilevered Gate requires no ground track or support across the roadway. The gateleaf is supported by a main bottom beam, which slides 100mm above the road surface. The balance is provided by a unique runback track, which enables the gate to be fully projected across the roadway without tipping.

100% duty rating - designed for continuous & frequent use. Power is supplied from a single phase 230V supply. Please see page 6.

Typical operating speeds of 200-250mm/seconds* depending on configuration.

Safety control systems: Vehicle detector loops, safety photocells, ultra-sonic sensors and safety edges are available. Accessories: Signage, audible alarms and flashing beacons. Please see page 22.

Access controls: A wide range of access control systems are available. Please see page 24.

Finish: Various options available, including: Shotblasted, hot zinc sprayed, primed & finished with a final coat of polyurethane paint. Client to advise RAL paint number. This process provides a 20-year corrosion protection system for exterior, industrial polluted inland sites to BS5493, 1977 (Revised 1984). Alternatively, acid dipped then hot galvanized available on smaller gates.

Various infills available including bar, weldmesh, sheet, and bespoke such as wood and ornate.

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

Applications: Banks | Depots | Cargo Parks | Ports | Airports | Car Park | Warehouses | Delivery Entrances | Industrial & Commercial Premises

Features
100% Rated Motor
Override switch
Security lock on door
Switched fuse supply double pole isolator
Mains failure indicator lamp
Earth bonded door
Easy accessible fuse unit
Motor protection

Construction
The gate leaf is a fully welded construction of rectangular hollow section, low carbon steel to BS4848 Pt.2. Post size: 80 x 80mm.

Infill - various infills available, including bar, solid sheet, weldmesh, etc. Standard bar infill: Vertical 50mm x 25mm ERW bar infill at approximately 180mm centres, backed by 8 gauge x 50mm square galvanised weld mesh, painted to match.

Minimum length of runback track:
For gate apertures of 8m
Runback = Aperture x 1.5
For gate apertures of 8m+ Please contact the Technical Sales Department on 01293 422800

CIVIL REQUIREMENTS
Gate leaf Foundation - L:Runback length + 300mm x W:1000mm x D:300mm
Receptor Post Foundation - L:600mm x W:1000mm x D:300mm
(Note: Power and control wiring ducts to be incorporated into foundations)

ELECTRICAL REQUIREMENTS
Single & three phase supply available.
Sliding Tracked Gate
Secures a maximum aperture up to 35m, bespoke available.

Sliding Tracked Gates are designed to run on a track installed in the roadway and are able to secure wide apertures. The trackwork is cast into the concrete foundation which is poured in two stages. The track is bolted down to the first pour concrete and the second pour brings the level up to finished road level. The track is normally 5mm below finished road level.

100% duty rating - designed for continuous & frequent use. Power is supplied from a single phase 230V supply. Please see page 6.

Typical operating speed of 225-500mm/second*, depending on configuration.

Safety control systems: Vehicle detector loops, safety photocells, ultra-sonic sensors and safety edges are available. Accessories: Signage, audible alarms and flashing beacons. Please see page 22.

Access controls: A wide range of access control systems are available. Please see page 24.

Finish: Various options available, including: Shotblasted hot zinc sprayed, primed & finished with a final coat of polyurethane paint. Client to advise RAL paint number.

This process provides a 20-year corrosion protection system for exterior, industrial polluted inland sites to BS5493, 1977 (Revised 1984). Alternatively, acid dipped then hot galvanized.

Various infills available including bar, weldmesh, sheet, and bespoke such as wood and ornate.

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

Applications: Banks | Depots | Cargo parks | Ports | Airports | Car Park | Warehouses | Delivery entrances | Industrial & Commercial Premises | Large road widths

Features
Instantly Reversible
100% Rated Motor
Single phase (inverter converts to three phase)
Override switch
Security lock on door
Switched fuse supply double pole isolator
Mains failure indicator lamp
Earth bonded door
Easy accessible fuse unit
Motor protection

Construction
The gate leaf is a fully welded construction of rectangular hollow section, low carbon steel to BS4848 Pt.2. Post size: 80x80mm/100x100mm dependent on gate size.

Infill - various infills available, including bar, solid sheet, weldmesh, etc. Standard bar infill: Vertical 50mm x 25mm ERW bar infill at approximately 180mm centres, backed by 8 gauge x 50mm square galvanised weld mesh, painted to match.

Minimum length of runback track:
For gate apertures of 8m Runback = Aperture + 1.5
For gate apertures of 8m+ Please contact the Technical Sales Department on 01293 422800

CIVIL REQUIREMENTS
Gate leaf Foundation - L: Runback length + 400mm x W:1000mm x D:300mm.
Receptor Post Foundation L:600mm x W:1000mm x D:300mm.
(Note: Power and control wiring ducts to be incorporated into foundations)

ELECTRICAL REQUIREMENTS
6 amp, 3 wire, 230v, 50hz, single phase
Barricade Beam
The Heavy Duty Sliding Cantilevered Beam Gate
Widths up to 8m. Bespoke available.

The Barricade Beam is a fully cantilevered, impact resistant (non PAS 68) sliding beam that requires no ground track or intermediate support across the roadway. The beam traverses the roadway at a centre-line height of 900mm. Its engages with a framework mounted on the far side of the roadway.

100% duty rating - designed for continuous & frequent use. Power is supplied from a single phase 230V supply. Please see page 6.

Typical operating speeds of 225-500mm/seconds* depending on length and configuration.

Safety control systems: Vehicle detector loops, safety photocells, ultra-sonic sensors and safety edges are available. Accessories: Signage, audible alarms and flashing beacons. Please see page 22.

Access controls: A wide range of access control systems are available. Please see page 24.

Finish: Various options available, including: Shotblasted, hot zinc sprayed, primed & finished with a final coat of polyurethane paint. Client to advise RAL paint number. This process provides a 20-year corrosion protection system for exterior, industrial polluted inland sites to BS5493, 1977 (Revised 1984).

Applications: Sites requiring Anti-ram security solutions without the PAS 68 rating.

Banks | Depots | Cargo Parks | Ports | Airports | Car Park | Warehouses | Delivery Entrances | Utility | Heavy Industrial & Commercial Premises

Features
Instantly Reversible
100% Rated Motor
Override switch
Security lock on door
Switched fuse supply double pole isolator
Mains failure indicator lamp
Earth bonded door
Easy accessible fuse unit
Motor protection

Construction
The beam is a fully welded construction of rectangular hollow section, low carbon steel to BS4848 Pt.2.

Minimum length of runback track: Beam width x 1.6 + 200mm

CIVIL REQUIREMENTS
Cabinet base: 1400mm sq x D: 400mm

Receptor Post Foundation
L: 1400mm x W:700mm x D:300mm concrete (Note: Power and control wiring ducts to be incorporated into foundations)

ELECTRICAL REQUIREMENTS
Single & three phase supply available.

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

Bi-parting pair of Sliding Gates which can operate individually for smaller vehicles or together for larger vehicles.

Right: Sliding Gate with palisade pales & weldmesh infill with galvanised welmesh to match the fenceline.

Left: Sliding Gate with special weldmesh infill powder coated to match frame. Includes special signage specific to client’s requirements.

Large Sliding Gates securing an airport runway.
The PAS 68 Sliding Cantilevered Gate from Frontier Pitts successfully PAS 68 impact tested with a 7500kg vehicle travelling at 50mph.

**PAS 68 Terra Sliding Cantilevered Gate**

Also known as the Terra Gate MkII

V Sliding Gate 7500(N3)80/90:1.5/0.0

Tested dimensions: width 4500mm, height 3000mm

Maximum width 6000mm

Successfully impact tested to the latest BSi PAS 68:2010 specification stopping a 7500kg N3 vehicle travelling at 50mph (80kph) which equates to 1852kJ

Maximum crash beam length 6000mm

Power is supplied from a three phase and neutral supply. Designed for easy installation and maintenance.

The Terra Sliding Cantilevered Gate can be interfaced to any access control systems.

**BENEFITS & FEATURES**

- Minimal site penetration
- Variable heights available (standard 2400mm) up to 5000mm
- Shallow foundation depths of only 500mm required
- Gate leaf with Heavy Duty Crash Impact Beam.
- Heavy duty posts support the gate leaf
- Cantilevered Gate, no track or support across the roadway is required, therefore no roadway excavation required
- The balance is provided by a unique enclosed "runback" which enables the gate to be fully projected across the roadway without tipping
- Electronic control motor drive unit
- Manual operation under power fail conditions
- Retro fit possible to existing gate on site.
- Successfully impact tested to the latest BSi PAS 68:2010 specification stopping a 7500kg N3 vehicle travelling at 50mph (80kph) which equates to 1852kJ

**Applications:**

Sites that require equipment that meets a high level of the PAS 68 specification

High Security | Anti-Terrorist | Government | Military | Embassies | Banks | Utilities | Airports

Option of an UPS (Uninterrupted Power Supply) is available if the gate is required to be re-opened during power failure.

**DUTY CYCLE – 100%**

**OPERATING SPEED**

Typical operating speed of 250-500mm/second*, depending on configuration.

**OPTIONAL ACCESSORIES**

UPS (Uninterrupted Power Supply)

EFO (Extra Fast Operation)

Disengaging box - manual override

100/200mm Traffic Light System

High Security Cabinet

**SAFETY** - Option of vehicle detector loops and safety photocell beams, flashing beacon, audible alarm, safety edge, etc

**CIVIL REQUIREMENTS**

Gate Base Foundation

L:2800mm x W:1500mm x D:500mm

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

Receptor Post Foundation

L:2800mm x W:1500mm x D:500mm

**ELECTRICAL REQUIREMENTS POWER**

Three Phase Supply and Neutral

*This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453
The only PAS 68 Sliding Gate in the world to be impact tested in the fully closed & half open positions, and remain fully functional after impact.

**PAS 68 Terra Gate (Tracked)**

Impact tested in the fully closed position & half open positions. V Sliding Gate 7500[N3]/80/90:0.0/0.0

Tested dimensions: width 3000mm, height 3000mm

Maximum width: 6000mm

Successfully impact tested in accordance with BSi PAS 68 specification stopping a 7500kg vehicle travelling at 50mph (80kph) which equates to 1852kJ.

Maximum crash beam length 6000mm

Power is supplied from a three phase and neutral supply.

Designed for easy installation and maintenance.

The Terra Gate can be interfaced to any access control systems.

**BENEFITS & FEATURES**

- Zero site penetration
- Fully functional after impact, even after crash test in the half open position
- Variable heights available up to 5000mm (std 2400mm)
- Shallow foundation depths of only 300mm required
- Gate leaf with Heavy Duty Crash Impact Beam
- Heavy duty posts support the gate leaf
- Electronic control motor drive unit
- Manual operation under power fail conditions

**Applications:**

High Security | Anti Terrorist | Government | Military | Embassies | Banks | Utilities | Airports

Option of an UPS (Uninterrupted Power Supply) is available if the gate is required to be re-opened during power failure.

**DUTY CYCLE** – 100%

**OPERATING SPEED**

Typical operating speeds of 250-2000mm/second* depending on configuration

**OPTIONAL ACCESSORIES**

- UPS (Uninterrupted Power Supply)
- EFO (Extra Fast Operation)
- Disengaging box - manual override
- 100/200mm Traffic Light System
- High Security Cabinet

**SAFETY** - Option of vehicle detector loops and safety photocell beams, flashing beacon, audible alarm, safety edge, etc

**CIVIL REQUIREMENTS**

- Gate Base Foundation
  L:4000mm x W:2000mm x D:280mm
  (Note: Power and control wiring ducts to be incorporated into foundations)

- Receptor Post Foundation
  L:4000mm x W:2000mm x D:280mm

**ELECTRICAL REQUIREMENTS POWER**

Three Phase Supply and Neutral

* This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453
The Terra Beam is based on the design of the PAS 68 Terra Sliding Cantilevered Gate.

**Terra Beam**

Based on the PAS 68 Terra Sliding Cantilevered Gate
V Sliding Gate 7500[N3]/80/90:0.0/0.0
Tested dimensions: width 3000mm
Maximum width: 6000mm

The Terra Beam is based on the design of the PAS 68 Terra Sliding Cantilevered Gate which has been successfully impact tested to the latest BSI PAS 68:2010 specification stopping a 7500kg vehicle travelling at 50mph (80kph) which equates to 1852kJ.

Maximum crash beam length 6000mm.

Power is supplied from a three phase and neutral supply.

bDesigned for easy installation and maintenance.

The Terra Beam can be interfaced to any access control systems.

**BENEFITS & FEATURES**

- Based on the PAS 68 impact tested Terra Sliding Cantilevered Gate which has been successfully impact tested to the lastest BSI PAS 68:2010 specification stopping a 7500kg N3 vehicle travelling at 50mph (80kph) which equates to 1852kJ.
- Zero site penetration
- Shallow foundation depths of only 300mm required
- Heavy Duty Crash Impact Beam.
- Heavy duty posts support the beam
- Electronic control motor drive unit
- Manual operation under power fail conditions

**Applications:**

Sites that require a high level of PAS 68 security

High Security | Anti-Terrorist | Government | Military | Embassies | Banks | Utilities | Airports

Option of an UPS (Uninterrupted Power Supply) is available if the gate is required to be re-opened during power failure.

**DUTY CYCLE – 100%**

**OPERATING SPEED**

Typical operating speeds of 250-500mm/seconds*, depending on length and configuration.

**OPTIONAL ACCESSORIES**

- UPS (Uninterrupted Power Supply)
- EFO (Extra Fast Operation)
- Disengaging box - manual override
- 100/200mm Traffic Light System
- High Security Cabinet

**SAFETY** - Option of vehicle detector loops and safety photocell beams, flashing beacon, audible alarm, safety edge, etc

**CIVIL REQUIREMENTS**

- Beam Base Foundation
  L:2500mm x W:3500mm x D:500mm
  (Note: Power and control wiring ducts to be incorporated into foundations)
- Receptor Post Foundation
  L:2500mm x W:3500mm x D:500mm

**ELECTRICAL REQUIREMENTS POWER**

Three Phase Supply

* This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453
At Frontier Pitts, we highly recommend the following safety features are fitted to your sliding gate to enhance its ability to comply to safety standards and alleviate the dangers associated with automatic gates.

**Audible Alarm or Flashing Beacon**

**Weldmesh Infill**

**Pedestrian Guard Rail**

**Vehicle Detector Safety Induction Loops**

**Safety Edges**

**Safety Photocells**

### THE SOLUTIONS

1. A Pedestrian Guard Rail (fence panels) should be fitted around the runback area of the sliding gate. This is to prevent serious injury to a person should they stray into that area whilst the gate is operating.

2. Pedestrians should not put their limbs through the bars of the gate. Weldmesh infill should be clipped to the gates infill bars.

3. Awareness needs to be given to the Sliding Gate’s Electrical Control Cabinet

4. Vehicle Detector Safety Induction Loops - loops cut into the road surface. These will prevent the gate from closing on a vehicle within the aperture.

5. Audible Alarm and/or flashing beacon provides an audible or visible warning that the gate is in operation.

6. Safety Photocells. An infra-beam which spans the aperture of the gate opening. If an object breaks this beam, the gates will stop. Usually two pairs of photocells are fitted.

7. Leading edge of gateleaf. Safety Edges should be fitted to leading edge of the gate. Safety edges prevent the gate closing on a person or vehicle in the event the gate is activated. Safety edges are flexible strips which are fixed to the edge of a gate where there is a risk of a crushing or shearing hazard. If the safety edge is depressed a signal is sent to the power source to stop and back off. Additional safety edges can be mounted to the internal & external motor posts. Please note: A maximum of 400N of crushing force is permitted before gate should start to reserve. For gaps greater than 500mm a maximum crushing force of 1400N is permitted.

### STANDARD SLIDING GATES ARE NOT DESIGNED FOR PEDESTRIAN USE & ALTERNATIVE PEDESTRIAN ACCESS SHOULD ALWAYS BE PROVIDED.

Other applicable BS standards:
- BS EN 12453:2000 Industrial doors and gates; Safety in use of power operated doors - Requirements
- BS EN 12445:2000 Industrial doors and gates; Safety in use of power operated doors - Test Methods
- BS EN 12604:2001 Industrial doors and gates; Mechanical Aspects - Requirements
- BS EN 12605:2002 Industrial doors and gates; Mechanical Aspects - Test Methods
Access Control Systems

Frontier Pitts Sliding Gates can be interfaced to a wide range of access control including Card Readers, Intercom Systems, Remote VHF Systems and Digital Keypads. The access control readers can be mounted on pedestals which are recommended to be installed a minimum of 3 metres from the sliding gate system.

Vehicle Detector Loop laid in the road surface

Controlled Entry System

Controlled Entry & Safety Autoclose Loop

Free Exit System

Free Exit/ Safety Autoclose Loop

Controlled Entry & Exit System

Controlled Entry, Free Exit & Safety Autoclose Loop

Manual System

Standard Car Height Pedestals. Installed with bollards for protection

HGV & Dual Height Pedestals for use by cars & HGVs the road

Safety Vehicle Detector Loops laid in the road surface

Sliding Gate Safety:
For Pedestrian Safety - Safety Photocells
Safe closure of gate - Vehicle Detector Loops & Timer Systems

Safety Photocell - beams of light fitted across the road way to monitor vehicle & pedestrian movement

Access Control Pedestal