Pedestrian Control Gates & Turnstiles

LPS 1175 & Security Ranges

www.frontierpitts.com
FP2
Security Sliding Gates

Also available:

FP2.1
Barricade Beams

FP3
Hinged/Swing Security Gates

FP4
Automatic Drop/Rising Arm Barriers

FP5
Road Blockers & Rising Kerbs

FP5.1
Rising & Static Bollards

FP6
Manual Perimeter Security

FP7
Pedestrian Gates & Turnstiles

Contents for the Pedestrian Control Gates & Turnstiles Product Guide

Why Use Frontier Pitts Ltd?
Road Blocker Summary

Pedestrian Swing Gates
The manual Wicket Gate
The automatic Qwicket Gate

Pedestrian Sliding Gates “Bouncer”
The automatic or manual sliding Bouncer Gate

Pedestrian Turnstiles
Full height Turnstiles Model FPT I and FPT2

Half Height Turnstiles

LPS 1175 Terra Diamond Turnstile

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?

From our UK HQ in Crawley, West Sussex

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 / 7days 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.
Pedestrian Gates & Turnstiles

Frontier Pitts manufacture a large portfolio of pedestrian gates and turnstiles.

The DDA (Disability Discrimination Act) came into force in 1995. Section 3 of the Act (which specifically mentions site accessibility) came into force in 2002. “The Act makes it unlawful for a service provider to discriminate against a disabled person by refusing to provide them any service which it provides to members of the public.” - Code of Practice, DDA (Disability Discrimination Act)

Whether the requirement is for a simple, manually operated pedestrian gate, only used a few times a day, or a completely automated turnstile system with adjacent pedestrian gate used continuously, Frontier Pitts will design and manufacture a system designed to meet the sites exact needs. There are five options to consider when specifying your pedestrian control system, including:

1. LPS 1175 (Security Rating 3 or 4) or Security Range Pedestrian Turnstile and/or Pedestrian Gate
2. How many times per day will the gate/turnstile be operated?
3. Automatic or Manual? Type of Automation
4. Style of fenceline & other accessory requirements

Frontier Pitts Pedestrian Swing/Hinged Gates manual model is called the ‘Wicket’ and the automatic model is called the ‘Qwicket’.

Frontier Pitts Pedestrian Sliding Pedestrian Gate is called the ‘Bouncer’ Gate, and is based on our vehicle sliding gate the LoTracker and Sliding Cantilevered Gate.

Frontier Pitts has a large portfolio of turnstiles, including half height and full height models.

Full height turnstiles also have the option of 90 or 120 degree rotors.

As a vehicle security gate should not be used by pedestrians for health and safety reasons, Frontier Pitts recommends a separate access point in the form of a pedestrian gate or turnstile adjacent to the vehicle gate within the fenceline.

Frontier Pitts also has a wide selection of half height turnstiles to suit all specifications and requirements.
Pedestrian Wicket Gate

Manual Hinged/Swing Pedestrian Gate
Bespoke available

The Wicket Pedestrian Gate is a manual hinged/ swing gate which provides safe access for pedestrians.

The Wicket Gate is available in a wide range of styles to complement both contemporary and traditional architectural designs. The Wicket can also be custom-designed to match a company’s specific requirements and/or vehicle access gate.

Accessories: Signage, cowled exit switch (pictured below).

The manual ‘Wicket’ gates security can be increased with a hydraulic closer or an electric closer, and a maglock. With this option, a wide range of access control systems are available.

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.

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

Applications: For sites requiring pedestrian access control within the fenceline
Depots | Cargo Parks | Ports | Car Parks | Warehouses
Delivery entrances | Utility | Heavy Industrial & Commercial Premises

The Wicket gate can be specified to open 180 degrees for disabled access

Standard internal height: 2050mm
Standard gateleaf width: 750mm or 1000mm

Colour: Any colour in the RAL colour range.

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

CIVIL REQUIREMENTS
Gate leaf Foundation:
L:1100mm x W:600mm x D:450mm
(Note: If power/control is required, wiring ducts need to be incorporated into foundations)

ELECTRICAL REQUIREMENTS
If the Wicket is to be installed with a closer or maglock mechanism:
6 amp, 3 wire, 230v, 50hz, single phase
The Qwicket Pedestrian Gate is an automatic hinged/swing gate which provides safe access for pedestrians.

When it comes to controlling the flow of people, Frontier Pitts’ renowned quality comes to the fore in pedestrian gates. Whether required for security or safety reasons, our pedestrian gates have been proven to deliver reliable performance in installations around the world.

The motorised “Qwicket” (which can be operated by card reader, push-button, etc.) will open 90°, close and rebolt within a standard 15-second* operating cycle. It is ideal for secure sites, where personnel access needs to be restricted or controlled.

Like the Wicket Gate, the Qwicket is available in a wide range of styles to complement both contemporary and traditional architectural designs. The Qwicket can also be custom-designed to match a company’s specific requirements and/or vehicle access gate.

Accessories: Signage, cowled exit switch (please see page 8)

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.

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

Applications: For sites requiring pedestrian access control within the fenceline where there is sufficient room for runback:
Depots | Cargo Parks | Ports | Car Parks | Warehouses
Delivery Entrances | Utility | Heavy Industrial &

On receipt of a signal from a push-button, card reader etc, the Qwicket gateleaf unbolts and opens automatically by 90°, and then closes, rebolts and switches off in a standard 15-second* operating cycle

Standard internal height: 2050mm
Standard gateleaf width: 750mm or 1000mm
Colour: Any colour in the RAL range

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

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

CIVIL REQUIREMENTS
Gate leaf Foundation:
L:1100mm x W:600mm x D:450mm
(Note: Power and control wiring ducts to be incorporated into foundations)

ELECTRICAL REQUIREMENTS
6 amp, 3 wire, 230v, 50hz, single phase

* This is subject to a risk assessment to ensure the automatic equipment complies to BS EN 12453
The ‘Bouncer’ Pedestrian Gate is an automatic sliding gate which provides secure controlled access for pedestrians.

The high security unit is based on the design of the larger Sliding Cantilevered Gate for vehicles.

The motorised Bouncer (which can be operated by card reader, push-button, etc.) will slide open fully and slide back within a standard 20 second* operating cycle. It is ideal for secure sites, where personnel access needs to be restricted or controlled.

Like all Frontier Pitts sliding gates, the Bouncer is available in a wide range of styles, and can be custom-designed to match a company’s specific requirements and/or vehicle access gate.

Accessories: Signage, safety edges, photocells etc.

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.

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

Finally, the gate leaf is a fully welded construction of rectangular hollow section, low carbon steel to BS4848 Pt.2.

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....
FPT1 Full Height Pedestrian Turnstile
Semi-Automatic Turnstile
Bespoke available

Frontier Pitts Full Height FPT1 model of pedestrian turnstile is designed for perimeter use and often used in conjunction with sliding or hinged gates.

Designed for perimeter use, Frontier Pitts turnstiles are normally used adjacent to sliding or hinged gates, thus providing both pedestrian and vehicular control.

Full height turnstiles are available in single and twin cage versions, with a single rotor for left or right handed installations, or twin rotors where two turnstiles are required.

Accessories: Signage, cowled exit switch

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.

Applications: For sites requiring pedestrian access control within the fenceline
Depots | Cargo Parks | Ports | Airports | Car Park | Warehouses | Delivery Entrances | Utility | Heavy Industrial & Commercial Premises

On receipt of a signal from a push-button, card reader etc, the turnstile will release the rotor rotor, then closes and rebolts.

Standard internal height: 2050mm
Standard walkway width: 520mm or 610mm
Colour: Any colour in the RAL range

CONSTRUCTION
Cage - Combination of 32mm dia vertical bars with 50mm x 50mm columns. To form a short walkway. Columns are used to mount card readers etc
Canopy - Metal canopy with anti-drip guttering, lifts off for access
Rotor - Horizontal 32mm diameter steel tubes mounted into steel column. Column mounted in sealed bearing bolted to foundation.
Optional - Stainless Steel Rotor

CIVIL REQUIREMENTS
Single Rotor Turnstiles
90°- L:1500mm x W:1500mm x D:300mm
120°- L:1500mm x W:1500mm x D:300mm

Twin Rotor Turnstiles
90°- L:2200mm x W:1499mm x D:300mm
120°- L:2200mm x W:1300mm x D:300mm
(Note: Power and control wiring ducts to be incorporated into foundations)

ELECTRICAL REQUIREMENTS
6 amp, 3 wire, 230v, 50Hz, single phase

Stainless Steel finish also available

Left: FPT1 Turnstile installed adjacent to a Speed Gate System
Right: FPT1 Turnstile installed adjacent to a Qwicket Pedestrian Gate
Securistyle

Frontier Pitts Full Height FPT2 model of pedestrian turnstile, or the 'Securistyle' as it is commonly known is designed for perimeter use and often used in conjunction with sliding or hinged gates.

Accessories: Signage, lighting, flooring.

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.

Sportstyle

The Frontier Pitts 'Sportstyle' turnstile is available in single or twin forms, but differs to the other full height turnstiles - a kiosk is incorporated into the design.

The kiosk is fitted into the turnstile with a viewing window cut into the secure passageway. Access can therefore be controlled easily.

Designed for applications where persons entering have to pay or report to a guard, e.g. an entrance to a stadium.

Applications: For sites requiring pedestrian access control within the fenceline
- Depots | Cargo Parks | Ports | Airports | Car Park | Warehouses | Delivery Entrances | Utility | Heavy Industrial & Commercial Premises

On receipt of a signal from a push-button, card reader etc., the turnstile will release the rotor rotor, then closes and rebolts.

Standard internal height: 2050mm
Standard gateleaf width: 750mm or 1000mm
Colour: Any colour in the RAL range

CONSTRUCTION

Cage - Combination of 32mm dia vertical bars with 50mm x 50mm columns. To form a short walkway. Columns are used to mount card readers etc.

Canopy - Metal canopy with anti-drip guttering, lifts off for access. Can be ordered with any RAL powder coated finish.

Rotor - Horizontal 32mm dia steel tubes mounted into steel column. Column mounted in sealed bearing bolted to foundation.

Optional - Stainless Steel Rotor

CIVIL REQUIREMENTS

Single Rotor Turnstile
- 90°: L:1500mm x W:1500mm x D:300mm
- 120°: L:1300mm x W:1500mm x D:300mm

Twin Rotor Turnstiles
- 90°: L:2200 x W:1500mm x D:300mm
- 120°: L:2200mm x W:1500mm x D:300mm (Note: Power and control wiring ducts to be incorporated into foundations)

ELECTRICAL REQUIREMENTS
- 6 amp, 3 wire, 230v, 50hz, single phase
Half Height Pedestrian Turnstile
Semi-Automatic Turnstiles
Bespoke available

Half height iTurnstiles
Controls the entry and exits of pedestrian traffic at places such as swimming pools, parks, shops.
High duty rating with ease of installation and low maintenance
Stainless steel finish
Arm Height: 800mm x Arm Length: 500mm

Applications: Internal Use
Leisure Centres | Shopping Centres
Airports | Libraries | Sport Facilities | Stadiums
For sites requiring internal pedestrian access control

iTripod Turnstiles
Controls the entry and exits of pedestrian traffic at places such as swimming pools, parks, shops.
High duty rating with ease of installation and low maintenance
Stainless steel or powder coated paint finish
Arm Height: 800mm x Arm Length: 500mm
Twin
90° rotor

Half Height Turnstile installed at a leisure centre
Frontier Pitts Ltd has become the first company to achieve LPS 1175 Issue 6 for the full height Terra Diamond Turnstile Grade 3 and Grade 4.

The Terra Diamond Turnstiles successfully resisted an intensive attack test programme in accordance with LPS 1175: Issue 6.1. These involved a series of attack tests each lasting at least 10 minutes using a wide array of hand tools and battery powered tools.

The Terra Diamond Turnstiles are the only turnstiles currently on the market that are approved to LPS 1175 Security Ratings 3 and 4. *correct at time of print

Design Features
Heavy duty, high security turnstile
Robust steel 90 degree rotor
In filled rotor arms prevent climbing
Allows only single file authorised access
Metal reinforced high security lid
Painted to clients choice of BS/RAL colour
AC Interface and microprocessor control board
Status indicator with red & green light
Heavy duty, vandal resistant head mechanism
Anti return solenoid lock
Fail secure – turnstile will remain secure during power failure.

On receipt of a signal from a push-button, card reader etc., the turnstile will release the rotor, then closes and rebolts. The park assembly has a positive action lock which prevents the arm rotating in reverse after 60°.

Standard internal height: 2020mm
Standard gateleaf width: 500mm
Colour: Any colour in the RAL range

CONSTRUCTION
Cage - Fully welded steel cage backed with high security sheet steel forms a short walkway. Columns are used to mount card readers etc
Canopy - Metal canopy with anti-drip guttering, with reinforced high security lid which lifts off for access
Rotor - 90° High-strength sheet steel blades. (Grade 4 has additional reinforcing for increased resistance to attack)

CIVIL REQUIREMENTS
L:1260mm x W:1600mm x D:300mm
(Note: Power and control wiring ducts to be incorporated into foundations)

ELECTRICAL REQUIREMENTS POWER
10 Amp, 3 wire, 240v 50hz - Single phase supply

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