

GATES | BARRIERS | BLOCKERS | BOLLARDS | PEDESTRIAN

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FRONTIER PITTS SECURITY

# «BARRIERS»

BRITISH PERIMETER SECURITY SPECIALISTS

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# BARRIERS

Frontier Pitts manufacture a large portfolio of Hostile Vehicle Mitigation Automatic and Manual Barriers.

Our **HVM Barriers** include:

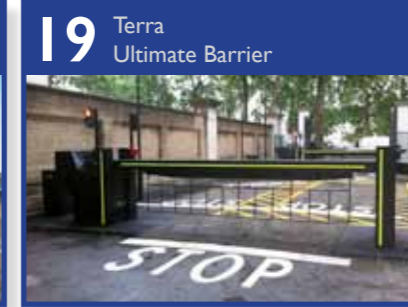
**Compact Terra Barrier**  
PAS 68 3.5t @ 30mph

**Terra 180° Swing Gate**  
IWA 14 7.2t @ 48kph (30mph)

**Terra Ultimate Barrier**  
PAS 68 7.5t @ 50mph

The Compact Terra Barrier is designed to look like a standard car park barrier whilst being able to withstand an impact by 3.5t travelling at 30mph. The Compact Terra Barrier provides subtle HVM protection without highlighting the sites high security nature.

The Terra Ultimate Barrier provides the Ultimate line of defence from a Hostile Vehicle, mitigating against a higher level of PAS 68 specification at 7.5t @ 50mph  
The Terra 180° Swing Barrier is our manual bi-directional HVM solution.



“ We deliver more than just products from ”  
our UK HQ in Crawley, West Sussex



Bristol, England

# COMPACT TERRA BARRIER



The HVM Barrier has been successfully impact tested to PAS 68 with 3.5t @ 30mph (48kph). Looks can be deceiving! The impact tested Drop Arm Barrier that looks like a standard car park barrier, hydraulically powered for reliability & strength.

Maximum boom length 6000mm

- PAS 68 Compact Terra Barrier 3.5t @ 30mph
- V Drop Arm Gate 3500[NI]/48/90:1.5/0.0

Tested dimensions: width 4000mm

Gatwick Diamond  
INTERNATIONAL  
BUSINESS  
WINNER 2016



PSSA  
Verification Scheme

## BENEFITS & FEATURES

- Successfully impact tested to PAS 68
- Aesthetically pleasing security that does not highlight valuable assets
- Aluminium boom with the latest PST (Perimeter Security Technology)
- Lower folding skirt as standard
- Designed for ease of installation and maintenance
- Hydraulically operated, three phase supply
- Instantly reversible, 100% duty rated motor
- Shallow foundation depths of only 500mm required. Foundation Type C

## OPERATING SPEED

- Typical speeds of 5-12 seconds\* depending on configuration.
- EFO (extra fast operation) available

## OPTIONS

- Accumulator or manual hand pump allow a number of operations in power failure mode
- In event of Power Failure options of Fail safe (remain in raised position) or Fail secure (remain in lowered position)
- High Security Cabinet
- Can be interfaced to any access control systems

## SAFETY

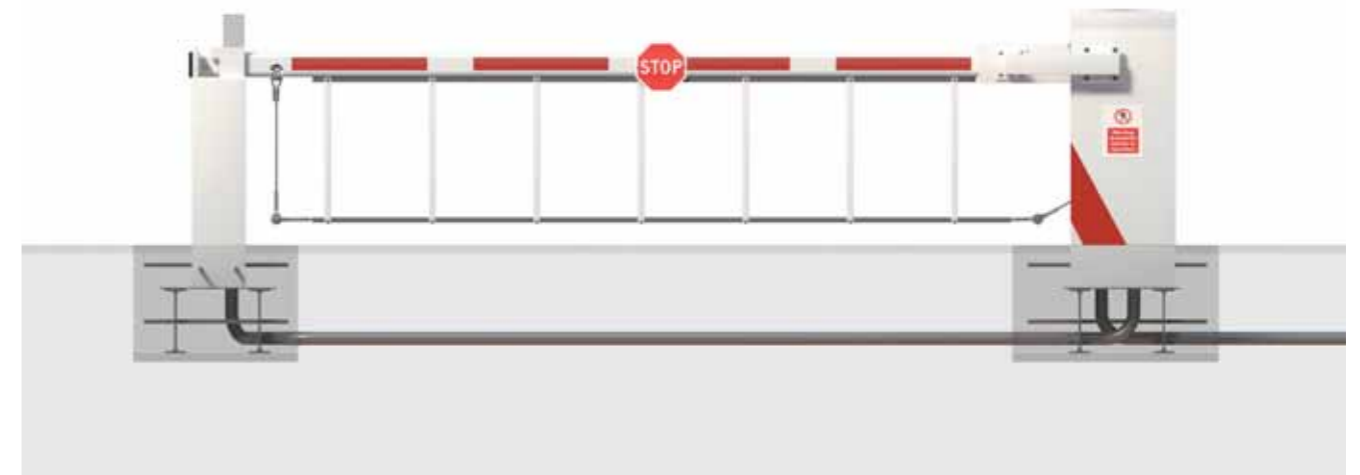
- Vehicle detector loops
- Safety photocell beams

## CIVIL REQUIREMENTS

- Barrier cabinet size – L:522mm x W:472mm x H:1145mm
- Barrier base - L:1500mm x W:1000mm x D:500mm  
End rest base – L:1200mm x W:800mm x D:500mm  
(Note: Power and control wiring ducts may be required)

## ELECTRICAL REQUIREMENTS \*

- 6 amp, 5 wire, three phase and neutral or 10 amp, 3 wire single phase



Applications: Sites that require a subtle security solution with the PAS 68 specification.

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

# TERRA ULTIMATE BARRIER



The HVM Barrier has been successfully impact tested to the British PAS 68 specification with 7.5t @ 50mph (80kph). The Ultimate Defence.

- PAS 68 Terra Ultimate Barrier 7.5t @ 50mph
- V/7500[N3]/80/90:5.3/2.0

*Tested dimensions: width 4500mm, crash beam height 1050mm*



**PSSA**  
Verification Scheme

## BENEFITS & FEATURES

- Successfully impact tested to PAS 68 and K12
- Stopped 7.5t @ 50mph. The Ultimate Solution
- Vehicle stopped within the aperture
- Lower folding skirt as standard
- Designed for ease of installation and maintenance
- Hydraulically driven, three phase supply
- Instantly reversible, 100% duty rated motor
- Shallow foundation embedment depths of only 400mm required. Foundation Type B

## OPERATING SPEED

- Typical speeds of 12-18 seconds\* depending on configuration
- EFO (extra fast operation) available

## OPTIONS

- Accumulator or manual hand pump allow a number of operations in power failure mode
- In event of Power Failure options of Fail safe (remain in raised position) or Fail secure (remain in lowered position)
- High Security Cabinet
- Can be interfaced to any access control systems
- Traffic light system

## SAFETY

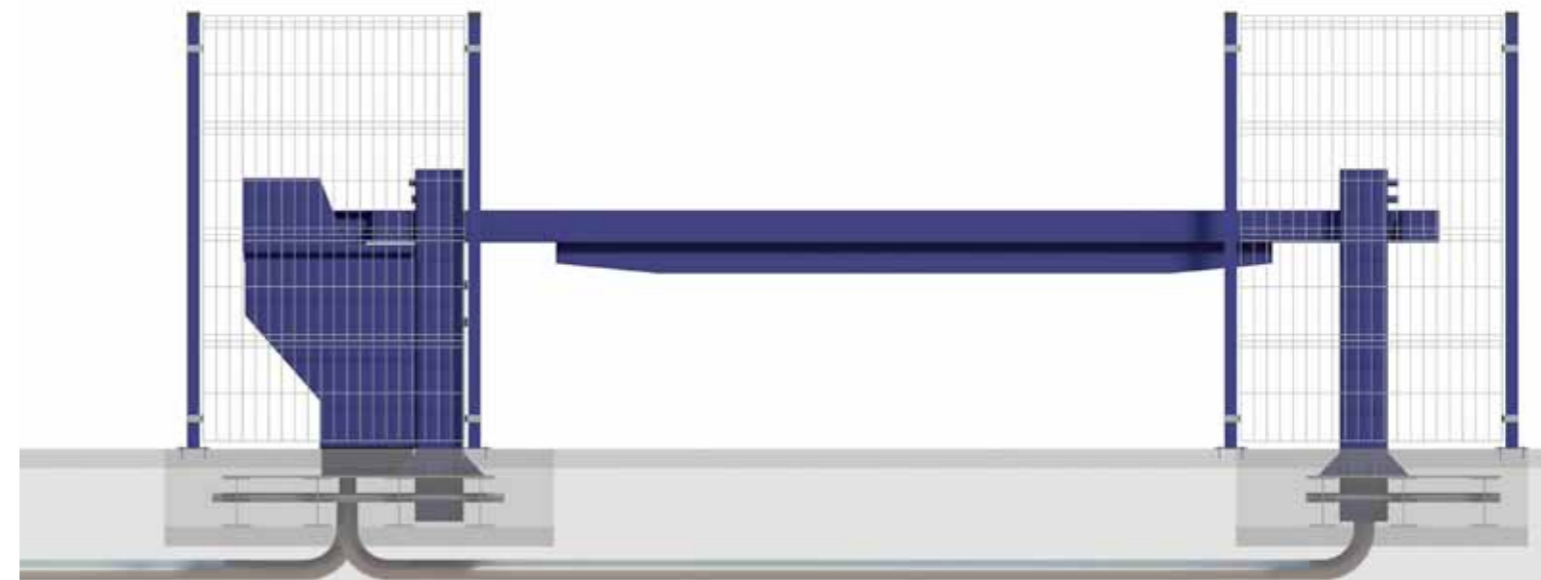
- Vehicle detector loops
- Safety photocell beams

## CIVIL REQUIREMENTS

- Barrier cabinet size – L:980mm x W:1400mm x H:1055mm
  - Barrier base - L:2800mm x W:2040mm x D:400mm  
End rest base – L:2800mm x W:1540mm x D:400mm
- (Note: Power and control wiring ducts may be required)

## ELECTRICAL REQUIREMENTS \*

- 10 amp, 5 wire, 400V, 50Hz,  
Three phase and neutral supply



**Applications:** The ULTIMATE PAS 68 drop arm barrier from Frontier Pitts. Successfully impact tested against a range of different energies. The Ultimate Solution.

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

# TERRA 180° SWING BARRIER



The manual bi-directional HVM Swing Barrier has been successfully impact tested to the International IWA 14 specification with 7.2t @ 48kph (30mph). Maximum width 6000mm.

- IWA 14 Terra 180° Swing Barrier 7.2t @ 48kph
- V/7200[N2A]/48/80:1.7

*Tested dimensions: width 6000mm, crash beam height 942mm*

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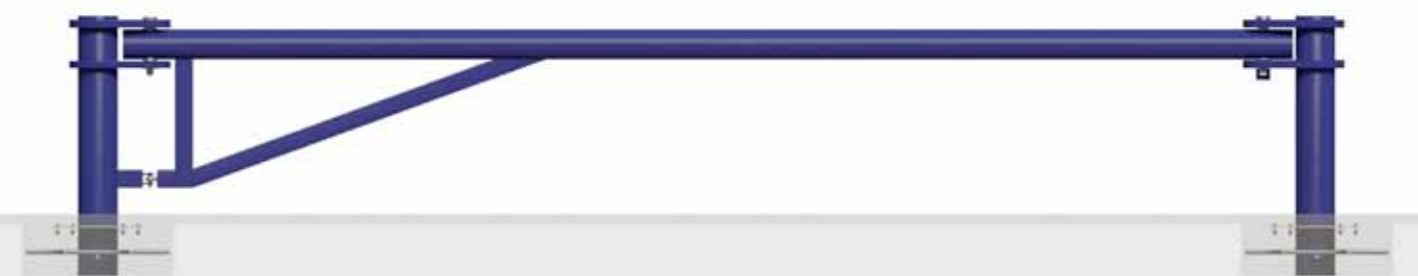


## BENEFITS & FEATURES

- Successfully impact tested to the new International IWA 14-1 specification
- The Bi-directional, Lightweight HVM Gate which is easy to install and easy to operate
- Sleek design includes an impact beam which can be opened in either direction depending on site requirements
- The ideal solution for access points which need to be secured with occasional access, out of hours security, or remote locations with power supply restrictions
- Anti-tamper locking mechanism
- Secure apertures up to 6000mm
- Shallow foundation embedment depths of only 350mm required. Foundation Type B

## CIVIL REQUIREMENTS

- Gate base -** L: 1600mm  
W: 1200mm  
D: 350mm
- Receptor post foundations**  
L: 1600mm  
W: 1200mm  
D: 350mm



**Applications:** High Security sites, which require an HVM solution to secure occasional access points, out of hours security or remote locations with power supply restrictions. Also ideal for sites with height restrictions or lack of runback area required by sliding gates