



## Terra Barriers (PAS 68)

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### Detailed description

A range of hydraulically powered automatic drop arm barriers, impact tested to the BSI PAS 68 specification. They are part of the Anti Terra range of counter terrorist equipment and have been successfully impact tested to stop a range of energies. Size and safety system options are available. They are compliant to BS EN 13849, Secured by Design and are listed on the CPNI List of PAS 68 products.

#### PAS 68 Compact Terra Barrier:

Aesthetically pleasing compact barrier designed to look like a standard car park barrier. It has an aluminium boom fitted and a lower folding skirt fitted as standard. The barrier has shallow depth foundation of 500 mm and has been PAS 68 impact tested to completely stop a 3.5 t vehicle travelling at 30 mph within the barrier aperture. PAS 68 Classification Code V/3500[N1]/48/90:1.5/0.0. A PSSA Verified Product.

#### PAS 68 Terra Ultimate Barrier:

Frontier Pitts Ultimate PAS 68 tested drop arm barrier. The barrier was BSI PAS 68 impact tested in March 2010 to become the first automatic drop arm barrier to completely stop a 7.5 t vehicle, travelling at travelling at 50 mph within the aperture. Carbon steel heavy duty barrier manufactured from 400 x 166 mm enhanced fabricated beam. It has two heavy duty reinforced stanchions at either end of the robust beam, which is fitted with a standard under run skirt to arrest different energy levels. PAS 68 Classification Code: V/7500[N3]/80/90:5.3/2.0. A PSSA Verified Product.

#### IWA 14 Terra 180° Swing Barrier:

A bi-directional, lightweight, manual swing barrier that has been successfully impact tested to IWA14, stopping 7.2 t travelling at 48 kph (30 mph). Available in lengths up to 6 m, with right or left hand hinging, therefore the impact beam can be opened in either direction depending on site requirements.

### Product guidance - As Standard

#### Finish:

Shotblasted, hot zinc sprayed, primed and finished with a final coat of polyurethane paint to a RAL number. This process provides a 20-year corrosion protection system for exterior, industrial polluted inland sites to BS 5493.

#### Crash Beam Height:

1000 mm.

#### Operational speed:

- Terra Ultimate Barrier: 12–15 seconds, dependent upon boom length.

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- Compact Terra Barrier (raise/ lower): 9/ 12 seconds, dependent upon boom length.

Extra Fast Operation available, contact the manufacturer for more information.

## Options

### Length:

- Terra Ultimate Barrier: Up to 4.5 m.
- Compact Terra Barrier: Up to 6 m.
- IWA 14 Terra 180° Swing Barrier: Up to 6 m.

## Product specification

### Manufacturer

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**Product reference** PAS 68 Compact Terra Barrier  
PAS 68 Terra Ultimate Barrier  
IWA 14 Terra 180° Swing Barrier

**Length** [  ]

**Colour** [  ]

**Actuation/ Safety** Not required  
Audible alarms  
Flashing beacons  
Hydraulic locking - locks beam in the raised position (in case of power fail).  
Induction loop/ Vehicle detector loop system  
Light curtain  
Pedestrian guard rail, 1000 mm high - To prevent the gate closing on a person or vehicle.  
Pedestrian guard rail, 2000 mm high - To prevent the gate closing on a person or vehicle.  
Photocell  
Safety edges  
Signage  
Ultra sonic sensors



<b>Power fail operation</b>	Manual hand pump - Standard. Accumulator
<b>Accessories</b>	[None] [100 mm diameter red/ green LED traffic light head with monitored safety circuit] [200 mm diameter red/ green LED traffic light head with monitored safety circuit] [Boom lights] [Extra fast operation] - Contact manufacturer for details. [Hydraulic locking bolt] - Stops the barrier being forcibly opened. [Warning sign]