

---

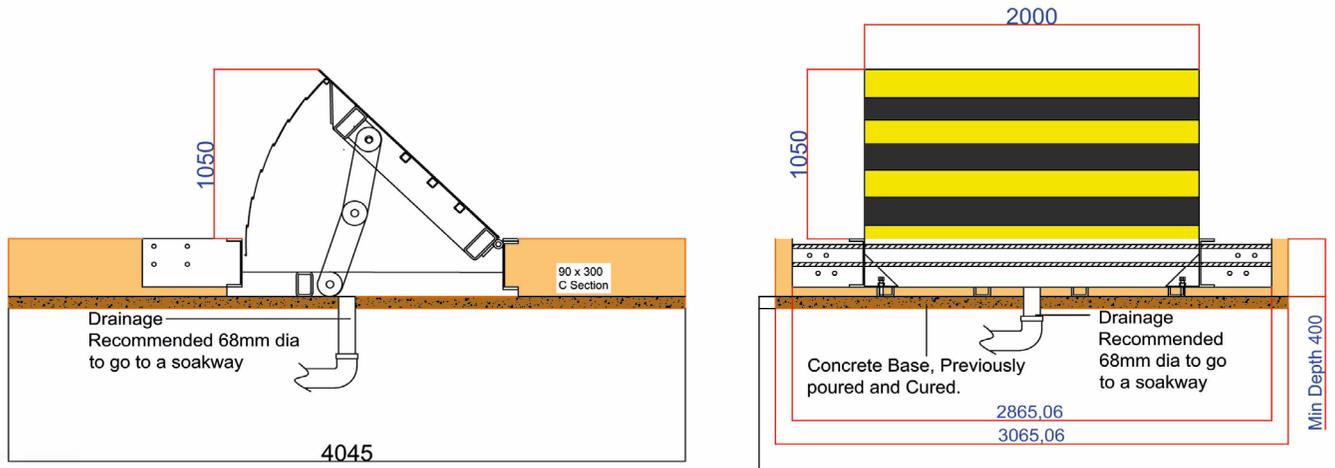
# HOSTILE VEHICLE MITIGATION PRODUCTS

At Jacksons we now have a range of crash rated fencing and crash barriers for when a crash rated perimeter is required. They have been designed and engineered to meet the expressed needs of security specialists.

Our crash barriers are specifically designed to protect and prevent intrusion from moving vehicles. We have a range of crash barriers that can be used along road sides, car parks, warehouses and factories.

All available crash barriers have undergone rigorous testing, to the highest crash rate possible and are tailored to suit your individual needs.

# CRASH RATED SHALLOW MOUNT ROAD BLOCKER



The Crash Rated Shallow Mount Road Blocker has been designed to prevent the threat of potential terrorist attacks where high security is required.

Crash tested at MIRA (Motor Industry Research Association) the test was a great success, passing 100% with '0' penetration and still operational after use. It is driven via a hydraulic 7.5Kw power pack with inverter/plc controls which requires a three phase supply.

- High grade PFC and RHS
- Aluminium Curtain, 3mm skirt
- Panels in 5 sections
- Easy Removal after Impact
- 3 phase supply 415 VAC
- PLC & inverter controlled
- Performance Classification: V/7500[N3]/80/90:0/24.6

WIDTH (MM)
2000 - 4000

## TEST RESULTS

PAS 68 / K12 - 50mph / 80kph

## DUTY CYCLE

100%

## FINISHES

- Galvanised bottom frame
- Top section powder coated
- Also an anti-skid paint finish is applied to the top plate

# LINEBACKER® PAS 68 CRASH FENCE



The Jacksons Linebacker® is a cable crash fence and gate system has been successfully impact tested in accordance with BSi PAS 68:2010 for the performance of vehicle security barriers and their supporting foundations when subject to a single horizontal impact.

Linebacker® PAS 68 crash fence will stop a 7.5 tonne vehicle travelling at 50 mph (80km/h). The system may be used as a stand-alone system. Additionally, this fence system may be retrofitted to any existing security fence.

- PAS 68 crash fence certified to stop a vehicle of 7.5 tonne mass travelling at 50mph (80km/h)
- Timber post and rail 'dressing' option available
- Stand-alone system for outer boundary protection or target hardening within a perimeter
- **Shallow foundations**

## APPROVALS

Certified to BSi PAS 68:2010  
V17500-3/80/90:7.3/21.4



# PAS 68 BI FOLDING SPEED GATE



PAS 68 Bi Folding Speed Gate, designed to prevent vehicle borne terrorist threat, capable of blending seamlessly with any building or site perimeter line, enabling discrete vehicle mitigation, and a field proven drive system that offers approx. 8 second open cycle time and delivers a continuous operation - 100% duty cycle. Jacksons Speed Gate requires minimal foundation depth of nominally 400mm as standard - dependant on design of gate. Ideally suited to shallow and/or utility congested substructure. The product is able to accept any architectural enhancement over and above its standard construction; it lends itself to continuance of any high security fencing specification, powered fence, security toppings across the normally vulnerable vehicular entrance to site.

## CRASH TEST RESULTS:

PAS 68:2010 (40 mph) V/ 7500[N2] /64/90:0.8/0.0

PAS 68:2010 (50 mph) V/ 7500[N3] /80/90:0.7/0.0

- Clear opening of up to 4.2m maximum

## Safety:

Comes as standard with CAT 3 safety edges and light curtain. Additional safety options by laser safety devices to protect the danger zones.

OPEN CYCLE TIME	8 - 10 seconds
DUTY CYCLE	100%
MAIN SUPPLY	230v 50Hz single phase 16amp

## FINISHES

- Galvanised to BS EN 1461 as standard
- Galvanised and Powder coated to BS EN 13438 at extra cost
- Marine coat for installations within 500m of salt water or estuary

# CRASH RATED MANUAL ARM BARRIER

The manually operated lifting barrier is a Hostile Vehicle Mitigation (HVM) solution, ideal for low volumes of traffic flow or where the access point is used infrequently.

The barrier has been physically impact tested independently a number of times, in accordance with PAS 68 using 7500kg N2 vehicle travelling at 48kph (30mph) by the Transport Research Laboratory (TRL) and MIRA Ltd.

Impact tests have included 3 metre, 4.5 metre and 6 metre clear width opening models of the barrier, providing physical protection to sites from extreme Vehicle Borne Improvised Explosive Device (VBIED) attack.

- Physically crash tested to PAS 68 criteria
- Manufactured from heavy gauge materials
- Manually operated
- Simple to install
- Strength and durability
- No power supply required

## TECHNICAL DETAILS

**Physical Dimensions**      900mm H x 1800mm x 500mm H

**Barrier Arm**                      6m max

### Construction:

The arm catcher frames are fabricated from heavy steel sections, which are anchored into the foundations: they are designed to support the arm in the lowered position and to take a full impact load. The recess in the catchers prevents the boom from lifting when impacted. Outboard extensions inhibit the vehicle running up the catcher frame.

The arm is fabricated from heavy steel section clamped to a lift yoke which is designed to slip through its clamp in the event of a collision, to engage under the catcher frame recesses

### Please Note:

The crash rated arm barrier is designed to be a manually operating rising gate and has been tested in accordance with BSI PAS 68:2010 impact test specifications for vehicle security barriers for full scale vehicle impact versus a 7.5 tonne N2 vehicle travelling at 48km/h, impacting centrally at 90° (head-on).

The barrier arrested and immobilised the impacting vehicle, resulting in 0m penetration and 0m dispersion of major debris beyond the rear of the barrier. The official BSI PAS 68:2010 classification for this barrier is:

4.5m model - V/7500[N2]/48/90:0/0

6m model - V/7500[N2]/48/90:0.3/0.0

