

# 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 gate 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 HORIBA MIRA Ltd.

Impact tests have included 3 metre, 4.5 metre & 6 metre clear width opening models of the gate providing a 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

## Physical Dimensions:

<b>Barrier Hang Post</b>	600mm W x 890mm D x 1230mm H
<b>Barrier Arm</b>	6m max
<b>Slam post foundations</b>	1500mm W x 3600mm D x 470mm H

## Construction:

The Boom Catcher Frames are fabricated from heavy steel sections, which are anchored into the foundations: they are designed to support the boom 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 boom 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 manual arm barrier is designed to be a manually operated rising gate and has been tested in accordance with BSI PAS68:2010 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 gate arrested and immobilised the impacting vehicle, resulting in 0m penetration and 0m dispersion of major debris beyond the rear face of the gate. The official BSI PAS68:2010 classification for this gate is: Rising Gate V/7500[N2]/48/90:0/0 - 4.5m and V/7500[N2]/48/90:0.3/0.0 - 6m.

