

## Door Interlock System - For Invasion Stoppage

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It is designed & manufactured State-of-the-art Door Interlock Based Access Systems for high security area- in fact any critical area that requires door access control with additional Security and this system also be interfaced with push button at guard room or any access control system. The Interlock system prevents the simultaneous opening of the doors in the blockage.

### System Scheme

#### **1. Control vehicle flows**

Fast and accurate system with single-vehicle passage. It also allows customer to control access to their site and still maintain a balance between flow rate speed and high security levels.

#### **2. Maintain high security levels**

Set security levels from Normal Operation Mode to Emergency Mode in case of any attack. User can choose access priorities as per situation at site.

#### **3. Protect against attack with vehicle loaded with explosives**

High level of resistance at your site with interlocked crash rated gate with Tyre Killer along with boom barrier.

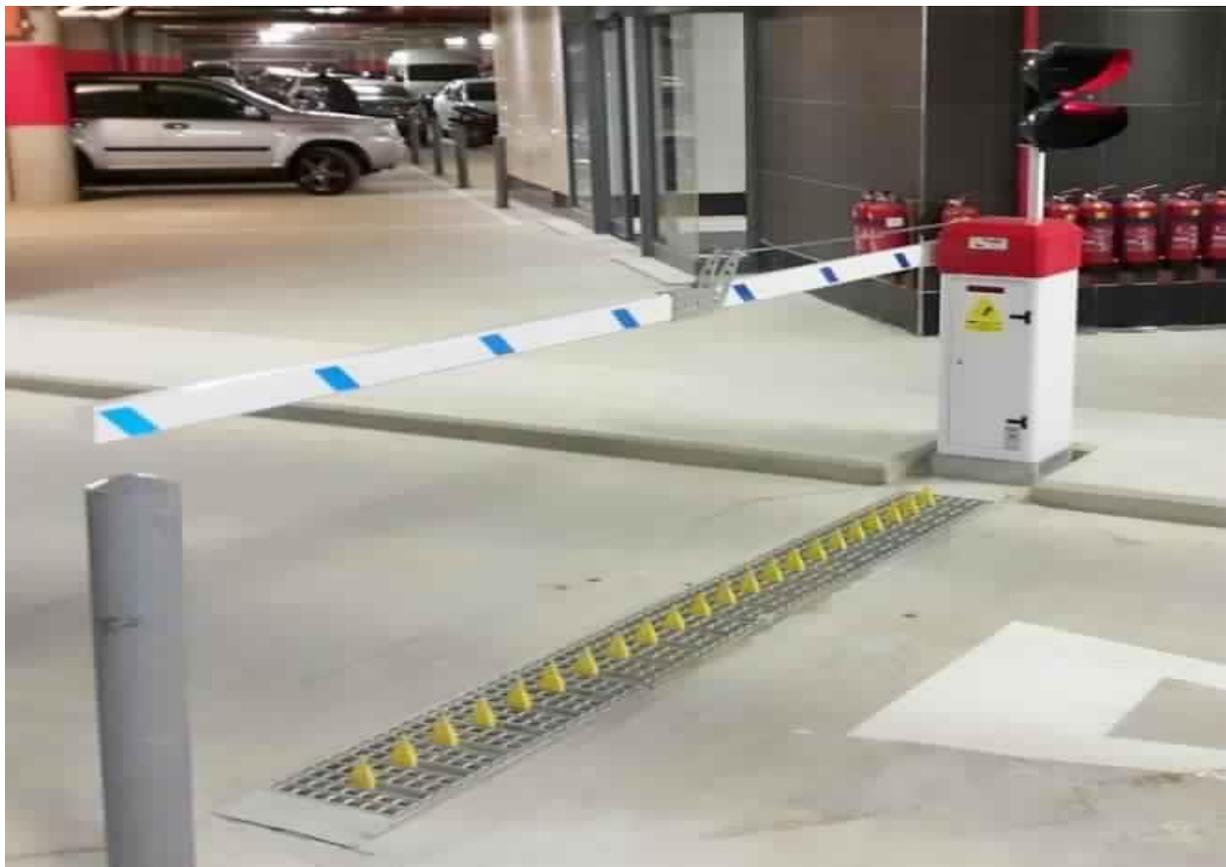
## System Sub-Parts

Door Interlock system has three sub parts.

- |                            |   |  |
|----------------------------|---|--|
| 1. DTB Barrier System      | - | Common layer of Security   |
| 2. Crash Rated Gate System | - | Main layer of security   |
| 3. Door Interlock Unit     | - | Intelligent system which make two devices mutually dependent for secure operation. |

### **DTB Barrier System**

This product is a combination of a boom barrier and spikes settled into the road mounted tray assembly. Tyre Killer with boom barrier work through single drive unit. Blocking element with welded on steel spikes.



## Technical data

- ❖ Blocking length: up to 6 m maximum
- ❖ Blocking height (barrier): 150 mm above road level
- ❖ Height spikes deployed: 150 mm
- ❖ Height of tray assembly: 50 – 70 mm above road level
- ❖ Areas of application: Controlled access for authorized persons to areas such as entrances to Defence & Govt. sites, banks etc.

## Performance Characteristics

- ❖ Drive unit: 230 V, 50 Hz, 80 W
- ❖ Control voltage: 230 V
- ❖ Connected Load: 10 Amp
- ❖ Control: Single release
- ❖ Connection: Warning lights
- ❖ Potential free: Relay output
- ❖ Operating times Gripper: Raising approx. 2-4 s
- ❖ Lowering approx. 2-4 s
- ❖ Ambient temperature: -10 to 55 degrees C
- ❖ Connection option for control device such as card reader, operating panel interlocking PLC etc.



## 400/450 Series Cantilever Crash Gates

**DOS Certified K4 ( 400 / 400A ) rating 15,000 lbs  
@ 30 mph ( 6,803.9 kg @ 48.3 km/hr )**

**DOS Certified K12 (450 / 450A ) rating 15,000 lbs  
@ 50 mph ( 6,803.9 kg @ 80.5 km/hr )**

**Cantilever Design - no ground or overhead  
tracks Hydraulic, electric and manual operation**

**Custom gate sizes available**

**Customizable anti-climb pickets to match existing  
fence lines**

**Perfect for high visibility applications**

**Maximum perimeter protection**

## Formidable Visual Deterrent

As a proven imposing first line of defense for our nation's critical infrastructures, B&B ARMOR's 400/450 Series crash gates present a formidable visual deterrent and maximum perimeter protection against unauthorized vehicles entering a high security facility. The strength and durability of the 400/450 Series makes them highly suitable for anti-terrorist protection and traffic control applications.

DOS-certified and crash-rated, B&B ARMOR's 400/450 series gates are designed to immobilize a vehicular threat weighing as much as 15,000 lb. (6,804 kg) and moving at speeds of 50 mph (80 km/h). The cantilever design allows for simple installation without the need of ground track, overhead track or bottom guide wheels and has the capability to blend in with an existing fence line. All motorized versions in the 400/450 Series are operated by a hydraulic or electric rack and pinion drive and can be activated from a single set of dry contacts (card reader, push button, or vehicular detector).

The 400/450 Series electro-hydraulic sliding gates are designed with field-adjustable controls to meet the end user's specific security and control needs. Normal operating speed is 1.5 feet per second for a standard 12-foot (3.7 m) opening. Unique to the 400/450 Series is the anti-climb design to prevent scaling the gate, and can be customized with pickets to match surrounding fence lines.

Optional controls and accessory equipment for the 400/450 Series crash gates may be ordered to enhance the performance or operation of the gate including master control stations with override circuitry, remote control stations for local operation, vehicle detectors, traffic control signals, photoelectric beams and heaters.



## Model 400/450 Series Cantilever Crash Gates

[www.bb-armr.com](http://www.bb-armr.com)

Available Models	Drive Design	Crash Rating	Gate Opening
400 Sliding Gate	Hydraulic	DOS K4 / L2	12' to 30'
400 (E) Sliding Gate	Electric	DOS K4 / L2	12' to 30'
400 (M) Sliding Gate	Manual	DOS K4 / L2	12' to 30'
400A Sliding Beam	Hydraulic	DOS K4 / L2	12' to 30'
400A (E) Sliding Beam	Electric	DOS K4 / L2	12' to 30'
400A (M) Sliding Beam	Manual	DOS K4 / L2	12' to 30'
450 Sliding Gate	Hydraulic	DOS K12 / L2	12' to 30'
450 (E) Sliding Gate	Electric	DOS K12 / L2	12' to 30'
450 (M) Sliding Gate	Manual	DOS K12 / L2	12' to 30'
450A Sliding Beam	Hydraulic	DOS K12 / L2	12' to 30'
450A (E) Sliding Beam	Electric	DOS K12 / L2	12' to 30'
450A (M) Sliding Beam	Manual	DOS K12 / L2	12' to 30'

Securing the perimeter of your facility protects not only your facility and assets, but your personnel as well. B&B ARMR offers a full range of automated gates and barrier systems built on more than 80 years of research and design experience.

Features	400/400A	450/450A	400 (E)/400A (E)	450 (E)/450A(E)
Roadway IR Beam Safeties	√	√	√	√
Emergency Close Operation	√	√	√	√
Loop Detector	√	√	√	√
Manual Hand Pump	√	√	—	—
Master and Remote Control Panel	Option	Option	Option	Option
HPU Hydraulic Heater	Option	Option	—	—
Traffic Light with Pole	Option	Option	Option	Option
Custom Anti-climb Pickets	400 Option	450 Option	400(E) Option	450(E) Option



Model 400A / 450A Cantilever Crash Beam



Model 400 / 450 Cantilever Crash Gate

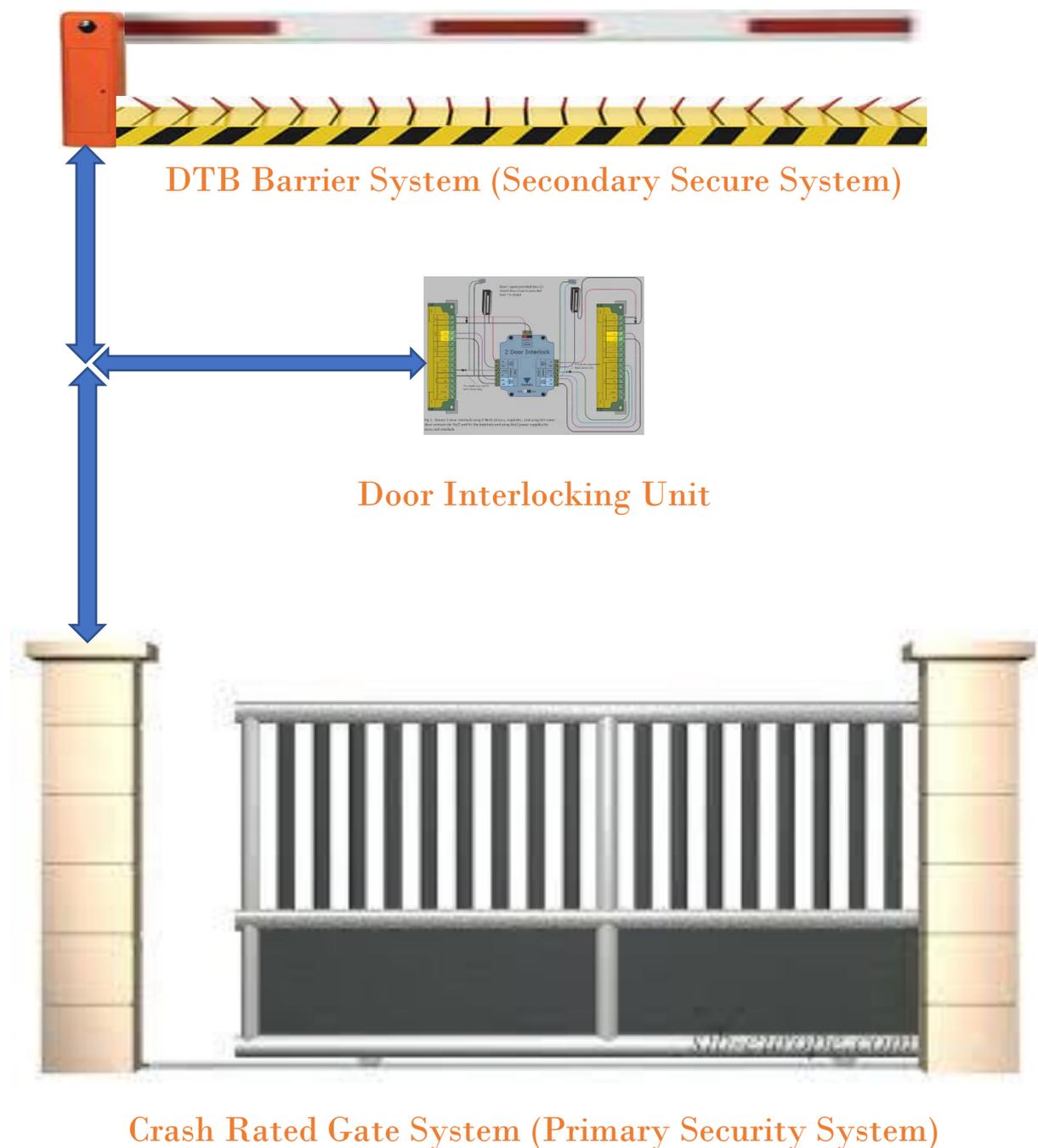


**B&B ARMR**  
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As a premier provider of high security gates and barriers for perimeter protection and control, B&B ARMR is well positioned to serve our clients with unparalleled product offerings for commercial and industrial applications. For further information call us at 800-367-0387, or visit our website at [www.bb-armr.com](http://www.bb-armr.com).

## Door Interlock Unit

Door Interlock Unit is a micro controller base system supervises all function. It automatically gives input to primary & secondary devices for open or close simultaneously. Emergency switch provided to locking of both primary & secondary unit in case of any live threat.



## Performance Characteristics

PLC Unit for logical input & output for following commands.

- ❖ Primary Access command: Gate will Open & DTB will remain close
- ❖ Final Access Command: Gate will close & DTB will start opening
- ❖ Emergency Command: Gate & DTB will start closing immediately irrespective of last action.

## Porta Cabin with CCTV & Air Condition

Porta cabin for operation of system.

- ❖ CCTV System : IP Based CCTV System as per requirement.
- ❖ Air Conditioning : 1.5 Ton All Weather.
- ❖ Cabin Material : Pre-Coated Galvanized Iron Steel Sheet.
- ❖ Guard Room Window : Aluminium Frame with Toughened Glass