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## The Guardian Road Blocker – *Shallow Mounted*

### Statistics Table

Road Blocker Width	2970 mm
Road Blocker Length	1970 mm
Blocker Height Above Ground	1010 mm
Operation Time	5 seconds raise, 5 seconds lower
Foundation Depth	400 mm
Weight	2500 Kg
Finishes Available	Galvanised steel foundation structure, a skid resistant coating to the top surface plate and a high visibility (yellow & black) skirt as standard.
Security Rating	IWA 14 – 7,200kg truck (7.2 ton) at 80kph (50mph)

### Overview of the Product:

The Guardian Shallow Mounted Road Blocker is a market leading, innovative road blocker successfully impact tested to the new IWA 14 standard arresting a 7,200 kg truck (7.2 ton) at 80 kph (50 mph) achieving less than 1m of penetration. After impact, the installed structure of the blocker remained intact and was able to be easily re-commissioned.

With an installation foundation depth of just 400 mm **total depth** required, this high security road blocker is shallow mounted. The Guardian is straight forward to install requiring only a single pour of concrete and a simple rebar structure, which reduces the cost of civil works considerably. This also minimises the time needed on site in comparison to install traditional road blocker structures.

One fundamental feature which makes this product so different from previous road blocker products is the unique counter balance mechanism utilised within the design. These mechanisms reduce the need for hydraulic power allowing the use of a small, integral power unit and **removing the need for large above ground cabinets.** This also substantially reduces power consumption ensuring that this product utilises energy sustainably.

The blocker's top plate is exceptionally rigid when driven over, greatly improving reliability; it is also energy absorptive when impacted. The top plate comprises of a layer structure of greatly reduced steel and a high tech polymer giving far greater longevity even when being driven over by heavy vehicles on a regular basis. The product is designed for fast and easy servicing.

This revolutionary blocker has been designed to be an industry leader in terms of price, technology and serviceability; a clever piece of engineering from the ATG Access team producing a very strong and versatile blocker.

### Key Product Points:

- ❖ **No large cabinets required.** Unique counter balance mechanism reduces the requirement for hydraulic power. A small integral pump is utilised to raise and lower the product.
- ❖ Modular design reducing the cost and difficulty of transportation.
- ❖ Installation is straight forward and cost effective, only requiring a single concrete pour.
- ❖ The blocker's top plate is made from a unique structure ensuring longevity when heavy vehicles drive over the blocker regularly.
- ❖ The Guardian has been designed for fast and easy servicing with integral hydraulics.

### High Security References:

- ❖ ADNOC Head Quarters
- ❖ Airports... New Doha, Heathrow & Singapore.
- ❖ BBC Headquarters
- ❖ Department of Justice, Washington
- ❖ Houses of Parliament
- ❖ Jubail Industrial City, KSA
- ❖ King's Palace Malaysia
- ❖ Olympic 2012 Sites

