

## CSG 10506

### Crash Tested Shallow Depth Road Blocker



#### PRODUCT OVERVIEW

The CSG 10506 is manufactured from heavy duty steel sections (fully welded). Tread plates are of 10mm thick (over plain) durbar and spragged on three faces with 400mm long heavy duty reaction buttresses on rear face at 560mm centres. Our Road Blocker has been designed for axle weights of 15 tonne and multiple widths are available to suit particular applications.

The CSG 10506 Shallow Depth Blocker has been tested at the Motor Industry Research Association (MIRA), Nuneaton, Warwickshire.

The test was carried out using an Iveco (Ford) Cargon rigid truck ballasted to a test weight of 7,755kg and impacted the blocker at 80.8 km/hr. Under requirements contained within British Standards for vehicle security barriers, the test achieved a classification of Retractable blocker.

#### ELECTRICAL SUPPLY

Mains Supply: 400V 50Hz three phase rated @10 Amp

#### CONTACT US

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#### OPERATING TIME

Raise Speed: 4 to 6 seconds  
Emergency Fast Raise (EFO): 1 to 2 seconds  
Lower Speed: Gravity fall

#### PAS 68 CRASH TESTING

Test Rating: PAS 68: 2010 V7500 (N2)/80/90:0/25\*

#### RESULTS TABLE

Vehicle Test Weight:	7500kg
Vehicle Class:	N2
Vehicle Speed mp/h:	50
Vehicle Speed km/h:	80
Vehicle Angle:	90
Vehicle Penetration:	0.0
Dispersion Distance:	25

## DIMENSIONS

Available in a number of widths from 2000mm to 4000mm

Rise Height: Minimum 750mm (@35°)

Riser Plate (back to front): 1600mm

External Base Frame: 3180mm wide (across road) x 1940mm

Total Depth of Base Frame (below road level): 215mm

Foundation Depth (from road level): 450mm

Typical Foundation Area Required (for 3metre wide riser):

4200mm wide x 3300mm

Skirt: Fully folding 4-sections



## CONTROL

- PLC based control system
- Hydraulic power unit (HPU)
- Manual hand pump for manual operation
- Operational Usage: 100% duty cycle

## SAFETY

Unlike some crash rated blockers on the market the conventional one piece full depth skirt affords substantial pedestrian safety. It is recommended that either a laser scanner or vehicle detection road loop system is installed with the road blocker.



## OPTIONS

Accumulators can be incorporated to provide emergency fast operation and/or limited operation during power failure when combined with a 24VDC UPS.

## INSTALLATION

Two methods of installation can be adopted:

In newly constructed building slabs, ramps and roadways a pocket can be incorporated during construction 215mm deep x 4200mm wide x 3300mm suitably reinforced with tie hoops and incorporating drainage and service ducts. The blocker can then be installed at a later date.

Alternatively:

For installation into existing roadways etc an excavation to 450mm deep will be required typically 4200 wide x 3300mm. The blocker can then be positioned and adjusted to the required height and service ducts routed through.



**If required, please contact CSG for a bespoke solution.**

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