

# PRECAST EMBEDDED ROAD BLOCKER

**RB-E2500 / 4000**

**New**



photo shows result of Test No 1 at 48 km/h

**CRASH TESTED TO IWA 14-1:2013**

**Blocker / V / 7200 / [N2A] / 48 / 90 : 0**

**Blocker / V / 7200 / [N2A] / 80 / 90 : 0**

- First crash tested precast road blocker
- Super Shallow (300mm) foundation
- Super Narrow (1700 mm) foundation

Crash tested for model with 2.5 m & 4 m width  
achieved zero penetration

**The One and Only Made in Singapore!**

## PRECAST IN OUR FACTORY FOR EASY SITE INSTALLATION



### Design for Lift and Place

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- Mark & excavate the Blocker pit
- Lift & place this precast blocker in place
- Connect communication & hydraulic power lines
- Seal all gaps with high strength cement grout
- Turn On electrical supply
- Entrance can be opened the next day for vehicle access

### Power

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- Primary electrical supply  
- 15 Amp/1 ph/230V/50Hz
- 1.5kW Hydraulic Power Unit (HPU)

### Control

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- Industry 4.0 PLC+HMI Controller
- Up / Down / E-Up / Emergency Off Controller
- Up / Down operating time is 5-7 sec
- E-Up operating time is less than 2 sec
- Manual hand pump to raise / lower the blocker

### Safety

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- Removable skirting to protect against human injuries
- Vehicle loop detector system
- Traffic light

## FIRST PRECAST ROAD BLOCKER IN THE WORLD – TESTED, TWICE !

The test unit of RB E-series was tested at 48 km/h and then at 80 km/h. Both tests achieved ZERO penetration and blocker was still operational after both tests.



photo shows the result of Test No 2 at 80 km/h

### Dimensions

Model	Plate Width (mm)	Front to back (mm)	Foundation		
			Depth (mm)	Length (mm)	Width (mm)
RB-E2500	2500	1265	400	2820	1700
RB-E4000	4000	1265	300	4320	1700

# TEST CERTIFICATES VALIDATION, VALIDATED IN UK



**TO WHOM THIS MAY CONCERN**

13<sup>th</sup> March 2019

To whom it may concern,

This is to confirm that a Precision Fabricators Pte Ltd M30/RB-E2500 Embedded Road-Blocker was impact tested at HORIBA MIRA Ltd on 21<sup>st</sup> February 2019 under Test number W0011.

The Impact test was carried out in accordance with IWA14-1:2013 Impact test Specification for Vehicle Security Barriers, with the target impact point being the midpoint of the blocker and the test item was given a performance classification of:

**IWA 14-1:2013 Blocker V/7200[N2A]/48/90:0.0**

The Vehicle Penetration was 0.0metres.

For more details, including the classification of the product, please refer to HORIBA MIRA test report when available No: 1219328-003.

Yours Sincerely,  
For and on Behalf of HORIBA MIRA LTD



**TO WHOM THIS MAY CONCERN**

13<sup>th</sup> March 2019

To whom it may concern,

This is to confirm that a Precision Fabricators Pte Ltd M30/RB-E4000 Embedded Road-Blocker was impact tested at HORIBA MIRA Ltd on 19<sup>th</sup> February 2019 under Test number W0009.

The Impact test was carried out in accordance with IWA14-1:2013 Impact test Specification for Vehicle Security Barriers, with the target impact point being the midpoint of the blocker and the test item was given a performance classification of:

**IWA 14-1:2013 Blocker V/7200[N2A]/48/90:0.0**

The Vehicle Penetration was 0.0metres.

For more details, including the classification of the product, please refer to HORIBA MIRA test report when available No: 1219326-003.

Yours Sincerely,  
For and on Behalf of HORIBA MIRA LTD



**TO WHOM THIS MAY CONCERN**

13<sup>th</sup> March 2019

To whom it may concern,

This is to confirm that a Precision Fabricators Pte Ltd M30/RB-E4000 Embedded Road-Blocker was impact tested at HORIBA MIRA Ltd on 7<sup>th</sup> March 2019 under Test number W0022.

The Impact test was carried out in accordance with IWA14-1:2013 Impact test Specification for Vehicle Security Barriers, with the target impact point being the midpoint of the blocker and the test item was given a performance classification of:

**IWA 14-1:2013 Blocker V/7200[N2A]/80/90:0.0**

The Vehicle Penetration was 0.0metres.

For more details, including the classification of the product, please refer to HORIBA MIRA test report when available No: 1219619-002.

Yours Sincerely,  
For and on Behalf of HORIBA MIRA LTD



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