# PRECAST EMBEDDED ROAD BLOCKER

RB-E2500 / 4000



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

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

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

# PRECAST IN OUR FACTORY FOR EASY SITE INSTALLATION



## **Design for Lift and Place**

- · 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

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

### Control

- 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**

- 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

13th 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 21st February 2019 under Test number

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.

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Yours Sincerely, For and on Behalf of HORIBA MIRA LTD



### TO WHOM THIS MAY CONCERN

13th March 2019

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

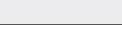
The Impact test was carried out in accordance with IWA14-1:2013 Impact test Specification for Vehicle Security Barriers, with the target impact point being the midpoint of the blocker and the test item was given a performance classification of:

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



Dahrsten



### TO WHOM THIS MAY CONCERN

13th March 2019

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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**SCAN ME** 









