

## S12-SF:FIXED BOLLARD

The strongest product in today's perimeter security market, our singular SIMON 12-SF Bollard can stop an intruding truck of 7.2 ton at a speed of 80 kmph according to the stringent standards of IWA14-1:2013 (K12). With a foundation of only 475mm the tested bollard is ideal for locations that require shallow foundations or have constraints of under-ground utilities. The height of Bollard is only 1000 mm it can be installed as removable or fixed or as a single bollard or array, depending on the security needs.



### TO WHOM THIS MAY CONCERN

16/09/2020

To whom it may concern,

This is to confirm that a SWARAJ SECUTECH PVT LTD S12-SF Triple bollard array was impact tested at HORIBA MIRA Ltd on 14/09/2020 under Test number X0031.

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 centreline of the vehicle aligned with the centre bollard and the test item was given a performance classification of:

**IWA 14-1:2013 Bollard V/7200[N2A]/80/90:20.3**

The vehicle was ballasted to 7460kg.

For more details, including the classification of the product, please refer to HORIBA MIRA test report when available No: 1223239-003.

Yours Sincerely,  
For and on Behalf of HORIBA MIRA LTD



**Dave Johnstone**  
Consultant – HSP1



HORIBA MIRA Ltd  
Walling Street, Nuneaton  
Warwickshire, CV10 0TU, UK

Direct Tel: +44 (0)24 7835 5253  
Direct Fax: +44 (0)24 7835 8513  
Email: [dave.johnstone@horiba-mira.com](mailto:dave.johnstone@horiba-mira.com)

[www.horiba-mira.com](http://www.horiba-mira.com)

## SPECIFICATION

MODEL NO.	S12-SF
CYLINDER DIAMETER	270mm
BOLLARD HEIGHT	1000mm
FOUNDATION DEPTH	475mm
RATING	IWA 14-1:2013 Bollard V/7200[N2A]/80/90:20.1

### INDIA

Survey No. 1427, Chhatral-Mehsana Highway, Rajpur Jhulasan Road, Dharpura Chokdi, Jhulasan-382705, Ahmedabad.

(T) +91 88826 64055,

Email - [info@swarajsecutech.com](mailto:info@swarajsecutech.com),

Website: [www.swarajsecutech.com](http://www.swarajsecutech.com)

### UAE

Swaraj Secutech Equipment & Machinery Trading LLC,  
Warehouse-1, Plot No 1228. Sector 5, New Industrial Area, Umm Al Thaoob, UAQ, UAE (T) +971 508641797,

Email: [rashid@swarajsecutech.com](mailto:rashid@swarajsecutech.com)

Website: [www.swaraj.ae](http://www.swaraj.ae)

### NORTH AMERICA

Swaraj Secutech Canada INC

2300 Yonge street, 1600, Toronto, ON, M4P 1E4  
(T) +1 (647) 242-6738

Email: [mona@swarajsecutech.com](mailto:mona@swarajsecutech.com),