


CRASH TESTED FIXED BOLLARD: S4 500

Swaraj Secutech's S4500 Fixed Bollard has been designed to protect assets that are vulnerable to vehicular intrusion. The solution has a foundation depth of only 500mm with a height of 1000mm and a diameter of 219mm. It has been crash tested at HORIBA MIRA, UK as per the latest IWA 14-1:2013 standard wherein an intruding truck of 7.2 ton was impacted at 48Km/hr and brought to a complete dead stop with only 0.1m penetration (P1)

The bollards have been manufactured keeping in mind the corrosive nature of the tropical climate. All parts of the bollards are galvanized to prevent corrosion. To give a fine balance between aesthetics and security, all bollards have an optional RAL coating or an aesthetically pleasing Stainless Steel Sleeve which not only gives anti-corrosion protection but also makes it seamlessly merge with the environment.





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MEMORANDUM OF PERFORMANCE


Manufacturer:	Swaraj Secutech Pvt Ltd
Product Reference:	S4500
Product Description:	Static Bollard Array
Test Standard:	IWA14-1:2013 Impact Test Specification for Vehicle Security Barriers
Test Class:	N2A
Target Speed (Km/h):	48
Target Impact Energy (KJ):	640.0
Target Impact Angle (°)	90
Impact Point:	Target impact point was centre of vehicle to centre of gap between bollards
Test Date:	25/08/2022
Test House Ref:	1227354-001/A0030

Performance Rating:	IWA14-1:2013 Bollard V/7200[N2A]/48/90:0.1
Vehicle Penetration (m):	0.1

Approved By: **Rachael Kennedy**

Date: 25/08/2022


 Head of HSPi Test Centre

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SPECIFICATION

MODEL NO.	S4 500
CYLINDER DIAMETER	219mm
BOLLARD HEIGHT	1000mm
FOUNDATION DEPTH	500mm
FINISH	RAL PAINT/SS SLEEVE(OPTIONAL)
RATING	IWA 14:2013 BOLLARD V/7200 [N2A] /48/90:0.1

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