

SHALLOW FOUNDATION FIXED BOLLARD:S12-SF1200

The strongest product in today's perimeter security market, our S12-SF1200 Bollard has been singularly impact tested in accordance with IWA 14-1:2013 by HORIBA MIRA, UK .The bollard was impacted by a 7.2-ton truck at 80 km/h which resulted in complete dead stop of the vehicle and P1 penetration.

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 1200 mm & can be installed as removable or fixed or as a single bollard or array, depending on the security needs.

The bollards have been manufactured keeping in mind the corrosive nature of the tropical climate. All parts of 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 merges seamlessly with the environment.



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MEMORANDUM OF PERFORMANCE

Manufacturer:	SWARAJ SECUTECH PVT LTD
Product Reference:	S12 Fixed Bollard Array
Product Description:	1.2m High Fixed Bollard Array
Test Standard:	IWA14-1:2013 Impact Test Specification for Vehicle Security Barriers
Test Class:	N2A
Target Speed (Km/h):	80
Target Impact Energy (kJ):	1777.8
Target Impact Angle (°)	90
Impact Point:	Target impact point was the vehicle centreline to centre of the middle bollard in the array
Test Date:	09/09/2021
Test House Ref:	1224861-002 / Y0031




Performance Rating:	IWA 14-1:2013 Bollard V/7200[N2A]/80/90:0.5
Vehicle Penetration (m):	0.5

Approved By: **Dave Johnstone**



Date: 13/09/2021 Consultant – HSPI Test Centre

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SPECIFICATION

MODEL NO.	S12-SF1200
CYLINDER DIAMETER	270mm
BOLLARD HEIGHT	1200mm
FOUNDATION DEPTH	475mm
FINISH	RAL PAINT/SS SLEEVE(OPTIONAL)
RATING	IWA 14:2013 BOLLARD V/7200 [N2A] /80/90:0.5