

## S12 RETRACTABLE BOLLARD

The strongest product in today's perimeter security market, our singular SIMON 12 Bollard (S12) has been impact tested in accordance to IWA 14-1:2013 std at HORIBA MIRA, UK by hitting a fully laden 7.2-ton truck at 80 km/h. It resulted in complete dead stop of the vehicle with 0m static penetration.



### SALIENT FEATURES

- 0m static penetration in physical crash test and 0.8m dynamic penetration
- Test carried out on singular bollard
- Galvanized and Epoxy coated for anti-corrosion
- Provision for Bollard Actuation in case of power sabotage
- 1.2m above the ground
- Can be easily integrated with all Access Control devices
- 100% Duty Cycle

### SAFETY

- Safety against vehicle: Loop Detector
- Safety against human traffic: Photo Sensor

### CONTROL UNIT

**Customisable External HPU or Integrated Sabotage Proof HPU** along with PLC based control unit can be tailor made to the customer's requirement . It is ready to be integrated to all access control devices.

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### TECHNICAL SPECIFICATION

MODEL NO.	S12
DRIVE UNIT	HYDRAULIC
RATED DIAMETER	355 MM, 360 MM (WITH SS COVER)
RATED HEIGHT	1200 MM
CYLINDER MATERIAL	HIGH TENSILE CARBON STEEL
PRODUCT RATING (SINGULAR BOLLARD)	IWA 14:2013 BOLLARD V/7200 [N2A] 80/90:0.8
IMPACT LOAD	7.2 TON @ 80 KMPH WITH 0 M STATIC PENETRATION & 0.8 M DYNAMIC PENETRATION ( P1)
RATED IMPACT ENERGY	1756 KJ
RAISING & LOWERING TIME	6-8 SEC. (CUSTOMISABLE)
EMERGENCY FAST OPERATION	2 SEC. ( OPTIONAL)
POWER SUPPLY	415 V (AC), 50 HZ / 220V AC , 60HZ
PROTECTION CLASS	IP 68
DUTY CYCLE	100%
OPERATING TEMPERATURE	-30 DEG. CELSIUS TO +65 DEG. CELSIUS
ILLUMINATION	RED LED/REFLECTIVE STRIPS
FINISH	RAL PAINTED OR SS 304/316 COVER
MCBF	50,00,000
MANUAL LOWERING OPERATION	AVAILABLE
SAFETY AGAINST VEHICLE	LOOP DETECTOR
SAFETY AGAINST HUMAN TRAFFIC	PHOTO SENSOR
CONTROL UNIT	PLC BASED CONTROL UNIT WITH TAILOR MADE INTEGRATION WITH ALL ACCESS CONTROL DEVICES



Pre-Impact Front View



Post-Impact Front View

**“PROUDLY MADE IN INDIA”**

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