



### **S12 H RETRACTABLE BOLLARDS**

The strongest product in today's perimeter security market, our singular SIMON 12 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 0m static penetration**. We are the first Indian company to have done both, the physical crash test at the world renowned testing facility of MIRA, UK and the simulation crash test with India's premier R&D institute at ARAI, Pune

#### **SALIENT FEATURES:**

- **ZERO 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
- Total weight of 1200 kgs, 1.2m above ground
- Can be easily integrated with all Access Control devices
- 100% Duty Cycle

#### **SAFETY AGAINST ACCIDENT:**

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

S.No	DESCRIPTION	SPECIFICATION
1	Model No.	S12 – H (Hydraulic)
2	Drive Unit	Hydraulic; 420 VAC, 50 Hz
3	Cylinder Diameter	355 mm
4	Cylinder Length	1200 mm
5	Rating	IWA14-1:2013 Bollard V/7200[N2A]/80/90:0.8
6	Bollard Housing	2130 mm
7	Cylinder Material	High Tensile Carbon Steel + SS 304 cover finish
8	Rising & Lowering Time (normal)	5 sec ( 24cm/sec)
9	Protection Class	IP 67
10	Duty Cycle	100%
11	Illumination	Red LED/ Reflective Bands
12	Manual Lowering Operations	Available
13	Operating Temperature	-20 <sup>0</sup> C to +60 <sup>0</sup> C
14	Emergency Operation (optional)	1.5 sec actuation in terms of emergency



# AutoPass India

SAFETY PARAMETERS		
15	Safety against Vehicle	Loop Detector
16	Safety against Human Traffic	Photo Sensor
17	Control Unit	PLC based Control unit with tailor made integration with all Access Control Devices
POWER FAILURE		
18	Accumulator (optional)	Customized Accumulator for 04 cycles of Up Down Operations in times of power subotage