

## S12 - H RETRACTABLE BOLLARD

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.



Pre-Impact Front View



Pre-Impact Front View



Post-Impact Front View

#### 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 AGAINST ACCIDENT

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

#### SPECIFICATION

MODEL NO.	S12 – H (HYDRAULIC)
DRIVE UNIT	HYDRAULIC
CYLINDER DIAMETER	355 MM, 360 MM ( WITH SS COVER)
CYLINDER LENGTH	1200 MM
CYLINDER THICKNESS	27 MM
CYLINDER MATERIAL	HIGH TENSILE CARBON STEEL
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)
RAISING & LOWERING TIME	6-8 SEC. (CUSTOMISABLE)
EMERGENCY FAST OPERATION	2 SEC. ( OPTIONAL & CUSTOMISABLE)
POWER SUPPLY	420 V (AC), 50 Hz
PROTECTION CLASS	IP 66 (CUSTOMISABLE)
DUTY CYCLE	100%
OPERATING TEMPERATURE	-20 DEG. CELSIUS TO +70 DEG. CELSIUS
ILLUMINATION	RED LED/REFLECTIVE STRIPS
FINISH	RAL PAINTED OR SS 304/316 COVER
MTBF	50,00,000
MCBF	15,00,000
WEIGHT	1200 KG (BOLLARD INCLUDING HYDRAULIC POWERPACK) ; 625 KG (ONLY BOLLARD CYLINDER)
DRAINAGE PROVISION	SUMP PUMP ACCORDING TO SITE CONDITIONS
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

“PROUDLY MADE IN INDIA”