

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.



The first company in India
to physically crash test a Swadeshi Bollard.



Pre-Impact Front View



Post-Impact Front View



Pre-Impact Front View

Physical Crash Test
in MIRA, UK
(Actual Crash test Site)



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; 415 VAC, 50HZ
CYLINDER DIAMETER	355 MM, 360 MM (WITH SS COVER)
CYLINDER LENGTH	1200 MM
CYLINDER THICKNESS	27 MM
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 PNENETRATION (P1)
BREAK-IN-RESISTANCE	1756 KILO JULES
CYLINDER MATERIAL	HIGH TENSILE CARBON STEEL
RAISING & LOWERING TIME	6-8 SEC. (CUSTOMISABLE)
EMERGENCY FAST OPERATION	2 SEC. (OPTIONAL & CUSTOMISABLE)
PROTECTION CLASS	IP 66
DUTY CYCLE	100%
OPERATING TEMPERATURE	-20 DEG. CELSIUS TO +60 DEG. CELSIUS
ILLUMINATION	RED LED/REFLECTIVE STRIPS
FINISH	RAL PAINTED OR SS 304/316 COVER
MTBF	5 MILLION CYCLES
WEIGHT	1200 KG (BOLLARD INCLUDING HYDRAULIC POWERPACK) ; 625 KG (ONLY BOLLARD CYLINDER)
DRAINAGE PROVISION	SUMP PUMP ACCORDING TO SITE CONDITIONS
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”