

S4 BOLLARD



Swaraj Secutech presents India's first manufactured and physically crash tested indigenously designed bollard. Our bollards have been impact tested by Horiba, MIRA. U.K. wherein the bollard was hit at 48 km/h by a fully laden 7.2-ton truck and achieved a penetration of only 0.1 m.

The bollard has been manufactured keeping in mind the corrosive nature of the tropical Indian climate. All parts of bollards are galvanised to prevent corrosion and smooth functioning even when submerged in water. To give a fine balance between aesthetics and security, all bollards come with an aesthetically pleasing stainless steel sleeve, which easily merges with the environment.

SAFETY

Safety is most important to us and we provide dual safety mechanism:

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

CONTROL UNIT

Plc based control unit which can be tailor made to your use and can be integrated to all access control devices.

SPECIFICATION

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|------------------------------|---|
| MODEL NO. | S4 |
| DRIVE UNIT | HYDRAULIC (S4-H), PNEUMATIC (S4-P) |
| CYLINDER DIAMETER | 223 MM |
| CYLINDER LENGTH | 900 MM |
| CYLINDER MATERIAL | HIGH TENSILE CARBON STEEL |
| RATING | IWA 14:2013 BOLLARD V/7200 [N2A] 49/90/0.1 |
| IMPACT LOAD | 7.2 TON @ 48 KMPH WITH 0.1M STATIC PENETRATION AND 0.1M DYNAMIC PENETRATION (P1) |
| RAISING & LOWERING TIME | 5-6 SEC. (CUSTOMISABLE) |
| EMERGENCY FAST OPERATION | 2 SEC. (OPTIONAL AND CUSTOMISABLE) |
| POWER SUPPLY | 420 V (AC), 50 Hz |
| PROTECTION CLASS | IP 66 (CUSTOMISABLE) |
| DUTY CYCLE | 100% |
| OPERATING TEMPERATURE | -20 DEG. CELSIUS TO +60 DEG. CELSIUS |
| ILLUMINATION | RED LED / REFLECTIVE BANDS |
| FINISH | RAL PAINTED OR SS 304/316 COVER |
| MTBF | 50,00,000 |
| MCBF | 15,00,000 |
| DRAINAGE PROVISION | SUMP PUMP ACCORDING TO SITE CONDITION |
| MANUAL LOWERING OPERATIONS | 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 |

ON SITE CRASH TEST PICTURES



“PROUDLY MADE IN INDIA”