

RISING BOLLARD BARRIERS GSB9000Series GateSet GSB9000 Series Hydraulic Rising Bollards are designed to protect sensitive areas that require high level

of security. Cutting edge internal hydraulic power pack of GSB9000 provides silent and smooth operation with ease of installation and maintenance. The product is engineered to withstand high impact forces by destroying the front suspension system of the hostile vehicle. In cooperation with Horiba Mira UK, the product is pending to be tested against IWA14-1:2013 standards and expected to be awarded IWA14-1:2013, N2A Level Certification. With reinforced infrastructure and powerful hydraulic unit, GSB9000 Series is an ideal choice for high frequency heavy duty operation, achieving high level of security while maintaining an aesthetic look.

GSB9000Datasheet v.2.0

Access Control

Usage Areas

Research Centers **Embassies** Industrial Areas Sensitive Sites (Subject to Ram Attacks)

Military Sites Government Offices Police Headquarters

Featured Characteristics

Cutting Edge Efficient

internal hydraulics and modular case design High Impact Resistance GSB9000 Series Rising Bollards are designed by using the cutting-edge manufacturing

computer technology to meet K12 level of IWA14-1:2013 standards. Computer aided element tests have proved that GSB9000 Series Series withstands an impact force of

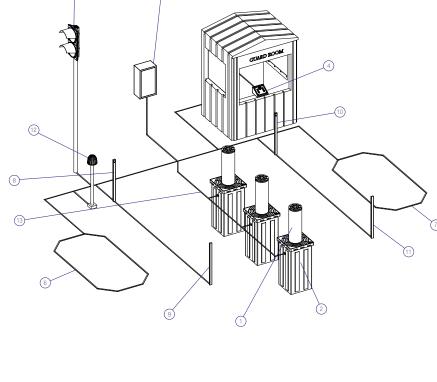
State-of-the-art internal hydraulic power pack design with maximum reliability

5,000+ movements in a consecutive fashion, a total 10,000+ movement per day

Ease of maintenance and installation combined with smooth and silent operation, thanks to

7,500 kg @ 80 km/h. Schneider PLC and top quality electronics, providing simultaneous and synchronized Advanced operation of up to 30 bollards with a single electronic control cabinet Heavy Duty Suitable for intense usage at high frequency access control points, supporting

System Components and Accessories



Optional Accessories Traffic Lights

2- Underground Case Electronic Control Cabinet Control Keyboard (optional)

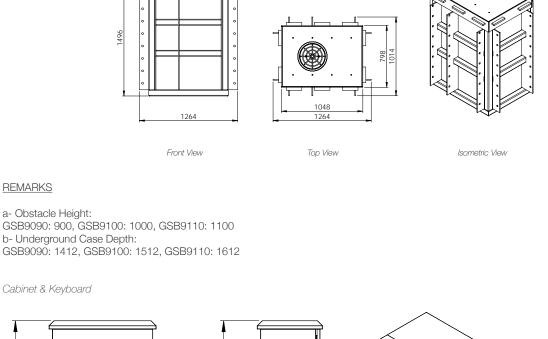
Main Components Rising Bollard Core Obstacle

- 6- Front Loop Detector
- Rear Loop Detector Front Photocell Transmitter 9- Front Photocell Receiver
- Rear Photocell Transmitter 11- Rear Photocell Receiver 12- Flashing Warning Light Connections

13- Data Connection Cables

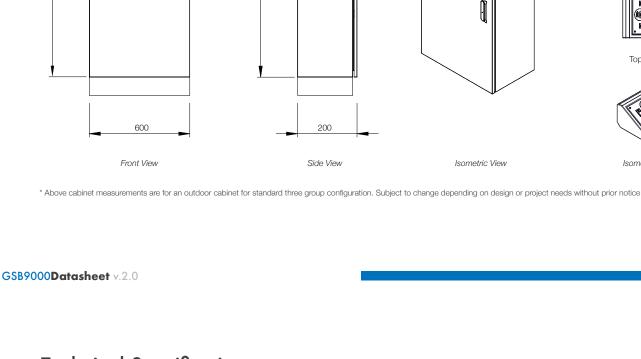
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Drawings and Dimensions



REMARKS

1000 900







 $\mathsf{GSB}9090:1100x850x1412\;\mathsf{mm},\,\mathsf{GSB}9100:1100x850x1512\;\mathsf{mm},\,\mathsf{GSB}9110:1100x850x1612\;\mathsf{mm}$



Front View

Top View

Technical Specifications DRIVE Internally Incorporated Hydraulic

50 Bar Average, 80 Bar Maximum

323.9 mm

Classified

Integrated LED Stripe

7 - 8 Seconds (Adjustable)

220 V AC / 50-60 Hz. 2.2kW

Heavy Duty with 5000 Movement/Day

Easy Release System with Personalized Key

OUTER CASE DIMENSIONS BEARING / MANHOLE VISIBILITY ENHANCEMENT RISING / FALLING TIME EMERGENCY OPERATION

POWER SUPPLY

PROTECTION CLASS

MATERIAL

DRIVE POWER

CYLINDER DIAMETER

OBSTACLE HEIGHT

BOLLARD DIAMETER

CONTROL PANEL IMPACT RESISTANCE OPERATION TEMPERATURES WORKING FREQUENCY POSITION DETECTION MANUAL OPERATION OPERATION CONTROL EASE OF MAINTENANCE HYDRAULIC OIL

SAFETY EQUIPMENT **ACCESSORIES CERTIFICATION** WARRANTY

Independent Controller Box for Simultaneous Operation of Grouped Bollards Schneider SR2A101BD PLC controller with Display 7,500 kg at 80 km/h (IWA14-1:2013, N2A certification pending) - 30 °C / + 65 °C

2x Waterproof In-Core Proximity Sensor for Up and Down Positions

GSB9090: 900mm, GSB9100: 1000mm, GSB9110: 1100 mm

30 mm Thickness Steel Bearing, 40 mm Steel Top Plate and 6 mm Top Cover

ST52 Steel Core, Finished by 3 mm Stainless Steel Sleeve

2 Seconds (Optional with Emergency Operation Kit)

Compatible with any kind of Standard Interface, Button (standard) Remote Control, RFID - Proximity Card Reader, LR etc. (optional) Manometer Connection Access and Operation Pressure Access from Top of the Case (No need

to take the case out from ground) Mobil Atf 220 (standard) Emergency Stop Button (standard) Photocell, Loop Sensor (optional) Traffic Lights, Flashing Light, Siren, Warning Sign, Drainage Pump (optional)

ISO 9001:2015, CE

2 Years





GATESET

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