

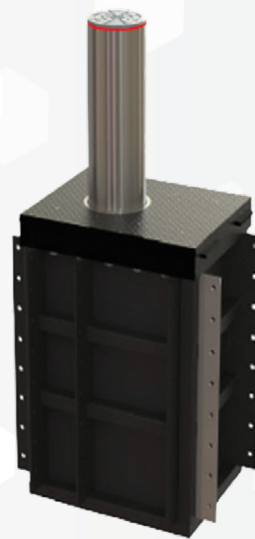
## Rising Bollards



### Automatic Rising Bollards

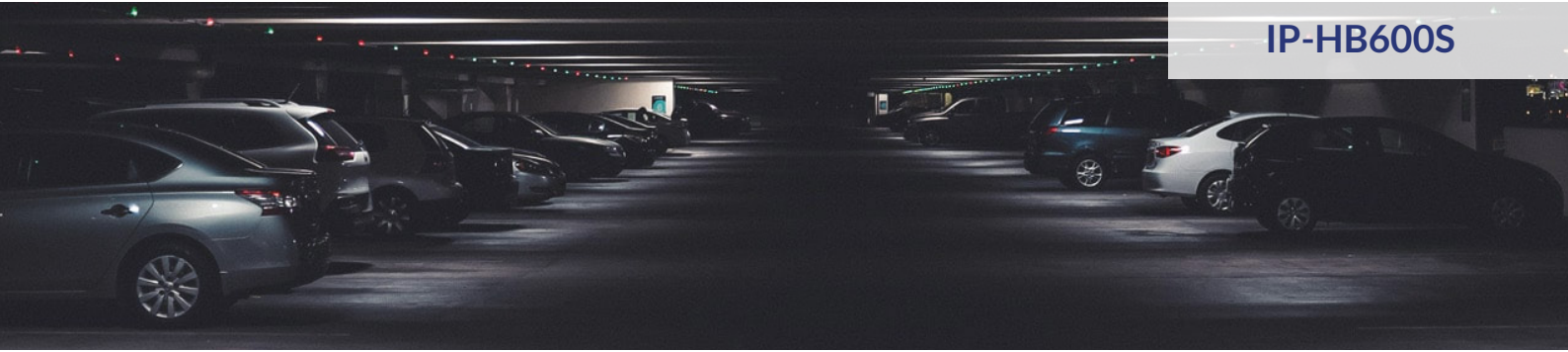
IPARKPRO IP-HB600S Series Hydraulic Rising Bollards Systems are designed to provide secure solutions for vehicle access control and regulation of city traffic. State-of-the-art internally incorporated hydraulic power pack presents silent and smooth operation, with easy installation and maintenance.

IP-HB600S Series Bollards are applicable in areas where frequent and heavy duty usage is required at moderate to high level of security, providing solid protection, while maintaining its aesthetic line thanks to its continuously evolving modern design.



### Novel and Popular Design

The high level of integration makes it look minimalist but more powerful than others. The novel breathing light design can clearly display the operating status of the boom gate, which greatly improves the passing experience.



## OVERVIEW

Hydraulic Rising Bollards are designed to protect sensitive areas that require high level of security. Cutting edge internal hydraulic power pack of IP-HB600S 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.

With its powerful hydraulic unit, IP-HB600S Series is an ideal choice for high-frequency heavy-duty operation, achieving a high level of security while maintaining an aesthetic look.

## KEY FEATURES

### Cutting Edge

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

### Efficient

Ease of maintenance and installation combined with smooth and silent operation, thanks to internal hydraulics and modular case design internal hydraulics and modular case design

### High Impact Resistance

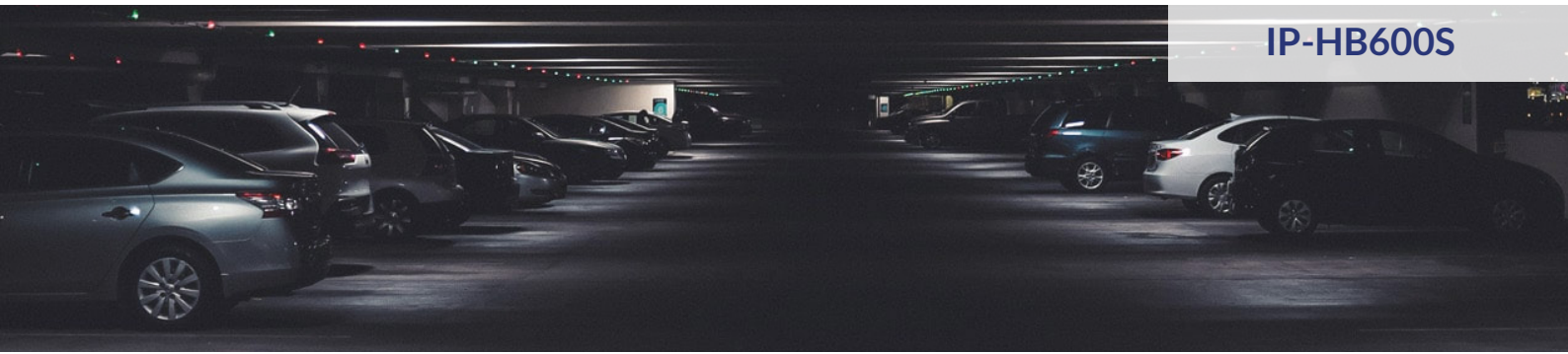
IP-HB600S Rising Bollards are designed by using the cutting-edge manufacturing computer technology to meet K12 level of A14-1:2013 standards. Computer aided element tests have proved that IP-HB600S withstands an impact force of 7,500 kg @ 80 km/h.

### Heavy Duty

Suitable for intense usage at high frequency access control points, supporting 5,000+ movements in a consecutive fashion, a total 10,000+ movement per day

## TECHNICAL SPECIFICATIONS

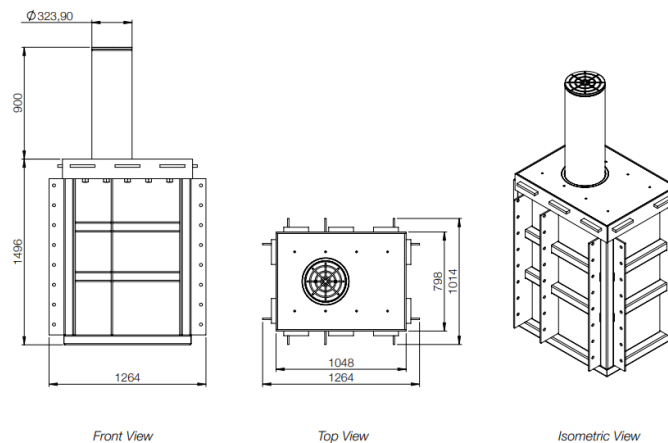
PARAMETER	IP-HB600S
<b>EQUIPMENT</b>	
Drive	Internally Incorporated Hydraulic
Drive Power	50 Bar Average, 80 Bar Maximum
Cylinder Diameter	323.9 mm
Obstacle Height	900 mm to 1100 mm
Cylinder Thickness	10 + 2 mm
Material	ST52 Steel Core, Finished by 3 mm Stainless Steel Sleeve
Outer Case Dimensions	1100x850x1412mm
Bearing / Manhole	30 mm Steel Bearing, 40 mm Stell Top Plate and 6mm Top Cover
Visibility Enhancement	Integrated LED Stripe
Rising / Falling Time	7-8 Seconds
Power Supply	220 V AC / 50-60 Hz. 2.2kW



## TECHNICAL SPECIFICATIONS

PARAMETER	IP-HB600S
Protection Class	IP 67
Control Panel	Independent Controller Box for Simultaneous Operation of Grouped Bollards Schneider SR2A101BD PLC Controller with Display
<b>Storage</b> Operation Temperatures	- 30 °C / + 65 °C
Working Frequency	Heavy Duty with 5000 Movement/Day
Position Detection	2x Waterproof In-Core Proximity Sensor for up & Down Position
Manual Operation	Easy Release System with Personalized Key
Operation Control	Compatible with any kind of Standard Interface, Button (standard) Remote Control, RFID - Proximity Card Reader, LR etc. (optional)
Hydraulic Oil	Mobil Atf 220
Safety Equipment	Emergency Stop Button (standard) Photocell, Loop Sensor (optional)
Accessories	Traffic Lights, Flashing Light, Siren, Warning Sign, Drainage Pump (optional)
Certification	ISO 9001:2015, CE
Warranty	2 Years
Ease Of Maintainance	Manometer Connection Access & Operation Pressure Access From Top Of The Case

## DIMENSIONS



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