

## Rising Bollards

### Automatic Rising Bollards

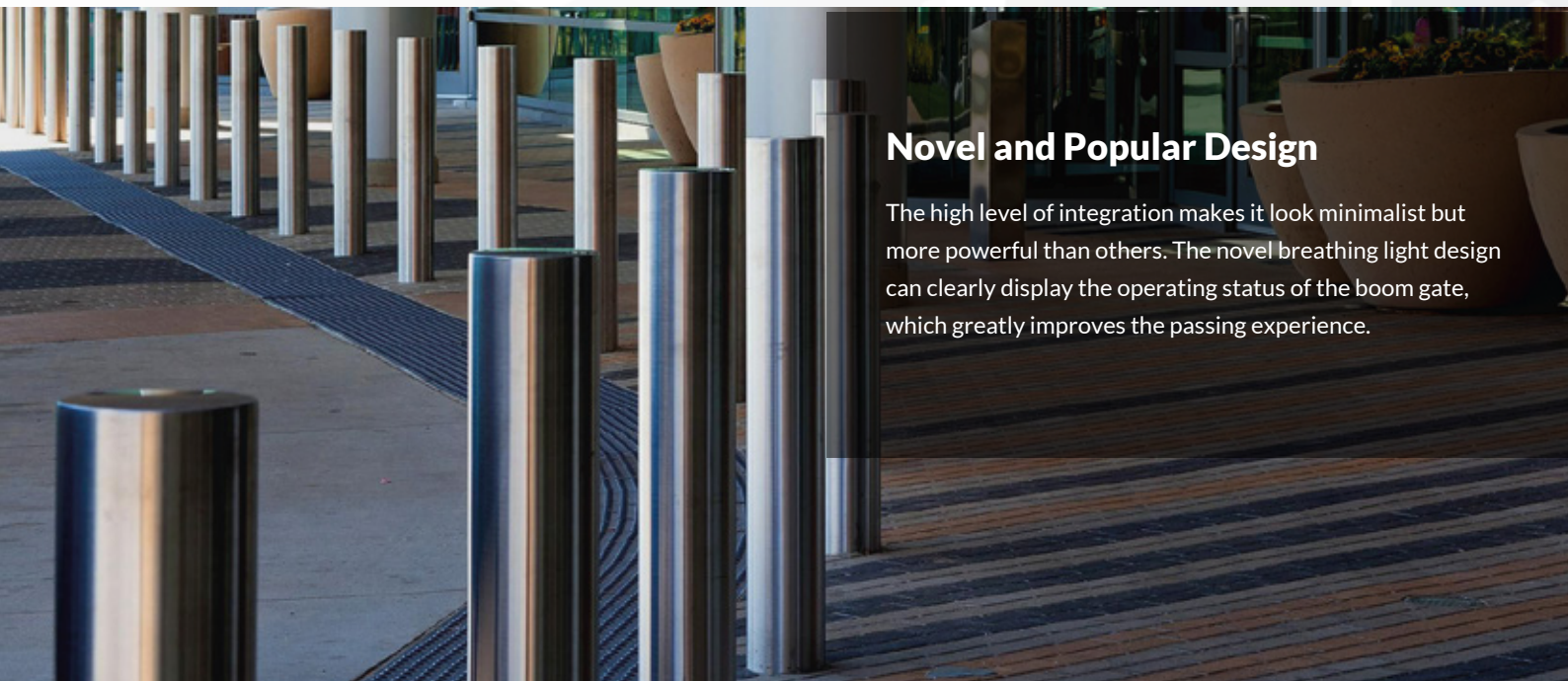
Hydraulic Rising Bollards are designed to protect sensitive areas that require high level of security. Cutting edge internal hydraulic power pack of IP-HB700 provides silent and smooth operation with ease of installation and maintenance. The product is engineered to withstand high-impact forces by destroying the front suspension system of the hostile vehicle.

With its powerful hydraulic unit, IP-HB700 Series is an ideal choice for high-frequency heavy-duty operation, achieving a high level of security while maintaining an aesthetic look.



### 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

IP-HB700 Series Hydraulic Rising Bollards are designed to protect sensitive areas that require high level of security. Cutting edge internal hydraulic power pack of IP-HB700 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-HB700 Series is an ideal choice for high frequency heavy duty operation, achieving 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

### Robust

Heavy gauge core cylinder with reinforced covers and underground case

### 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

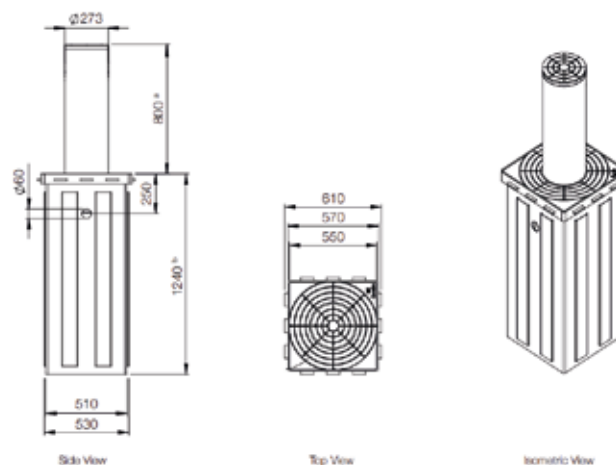
PARAMETER	IP-HB700
<b>EQUIPMENT</b>	
Drive	Internally Incorporated Single Acting Hydraulic
Drive Power	25 Bar Average, 40 Bar Maximum
Cylinder Diameter	273 mm
Obstacle Height	700 mm to 900 mm
Cylinder Thickness	10 + 2 mm
Material	10 mm ST52 Steel Core, Finished by 2 mm Stainless Steel Sleeve (304 Grade Standard)
Outer Case Dimensions	610 x 610 x 1140 mm
Bearing / Manhole	10 mm Steel Bearing, 10 mm Cast Aluminum Manhole and Top Cover
Visibility Enhancement	Integrated LED Stripe
Rising / Falling Time	4 - 6 Seconds of Rising Time, 2 Seconds Falling Time, with Gravity
Power Supply	220 V AC / 50-60 Hz. 550W



## TECHNICAL SPECIFICATIONS

PARAMETER	IP-HB700
Protection Class	IP 67
Control Panel	Independent Controller Box for Simultaneous Operation of Grouped Bollards Schneider Zelio Logic PLC with Display
<b>Storage</b> Operation Temperatures	- 30 °C / + 65 °C
Working Frequency	Heavy Duty with 10,000 Movement/Day
Position Detection	Waterproof In-Core Proximity Sensor for Down Position Pressure Sensor for Up Position and Operation Safety
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	No 46 (standard)
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
Warranty	2 Years
Ease Of Service	Pressure Measurement and Adjustment from top of the case without removing the bollard

## DIMENSIONS



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