



# BLOCK

## 230V HYDRAULIC RISING BOLLARD

MAX IMPACT FORCE **300,000 Joules**

CYCLES PER HOUR UP TO **70**

LOCKING **YES**

**ALSO AVAILABLE IN 230VAC THREEPHASE**



Stand-alone Hydraulically powered system to provide maximum noise reduction and long term reliability.

In-built hydraulic pump, piston, four stabilising support shafts and industrial sealed limits switches, ensure consistent operation and ease of installation.

Integrated foundation box and vehicle manhole cover.

LED illumination built into the bollard for night time visibility or to indicate bollard movement.

10 m of pre-wired cabling included, additional lengths available on request.

Super Block anti ram-raid version with 12mm thick outer casing, offering greater impact resistance.

Internal non-return lock valves provide security against unauthorised access.

Integrated electric valve for automatic drop in the case of power failure

Stainless Steel finish available as an optional extra.

Traffic lights and fixed bollards available.



LED lighting with IP67 connections



Fully adjustable to ensure that the bollard is flush to the ground eliminating trip points



Protection against Ram raids

**SEA**  
**The Engineers'**  
**Choice!**

## BLOCK

### Specifications

Hydraulic pump capacity	4 L/min
Standard operating pressure	2.2 MPA(22 bar)
Maximum pressure	4.5 MPA(35 bar)
Operating temperature	-20°C +55°C
Hydraulic oil	SEA 0X29
Central protection degree	IP 67
Rod lowering time	6 sec.
Rod raising time	6 sec.
Rod stroke length	600 mm
Piston rod diameter	30 mm
Max. traction force rod exit	220 Kg
Max. traction force rod re-entry	220 Kg
Current supply overall lights (led)	24V
Current supply	230V- 50 Hz
Absorbed current	1.65 A
Absorbed power	330 W
Capacitor	20 mF
Motor Rotation speed	2800 rpm
Weight of complete system	156 kg

### Gate 2 DG Control Panel

Management of 2, 230Vac motors with or without limit switches  
Automatic logic (4 modes), semiautomatic and step by step logics.  
Electronic slow down in opening and closing.  
Motor run time and pause open time regulation.  
Self-learning operating time for gate with limit switches or encoder  
Self-test on photocells.  
Self-diagnostic system.  
Encoder management (Safety Gate for swing gates).  
Diagnostic dashes on all inputs.  
Extractable connectors for ease of installation.  
Integrated receiver compatible with radio transmitters SMART, HEADROLL and LADYBIRD series (800 users).

#### Compatible accessories

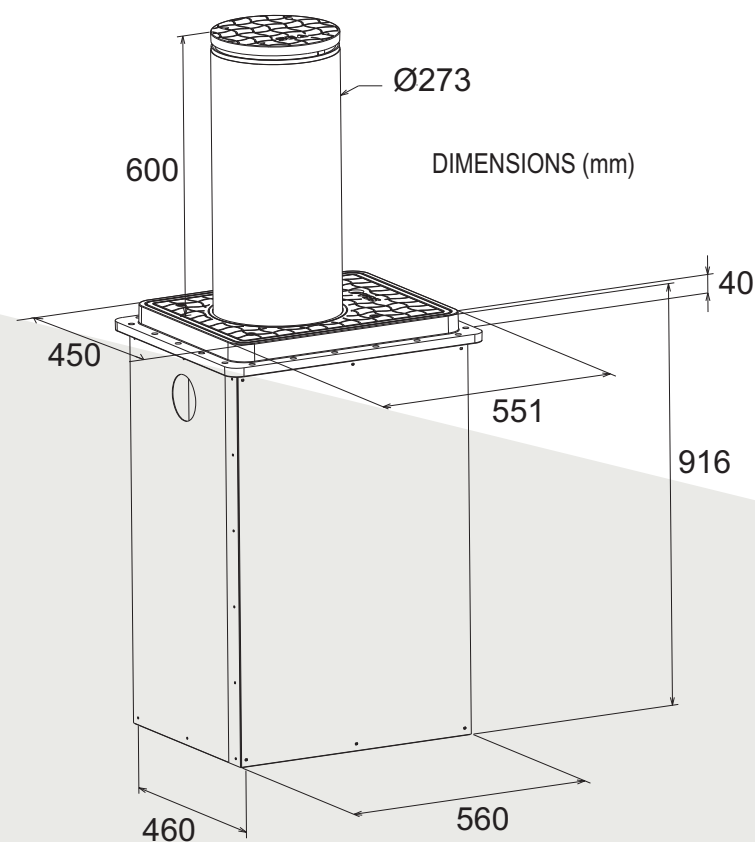
Fully compatible with all SEA accessories.  
Compatible with most manufacturers of audio and video intercom equipment.  
Digital code pads.  
Card reader systems, stand alone and computer linked.  
Time clocks and hold open switches.  
Induction loop free entry, free exit and safety.  
Photocell free entry, free exit and safety.  
Patented rubber mechanical safety edges.  
Vehicle recognition systems.  
Biometric identification systems.



**SUPER BLOCK:**  
Heavy duty automatic  
bollard, with 12mm thick



**SOFT:**  
New stainless steel fixed  
bollard for parking and  
public areas.



#### Accessories.

Loop detectors / Photocells / Key pads / Card readers /  
Transmitters & receivers/ Telephone entry systems /  
Audio and video intercom systems, wireless and cabled.  
Vehicle recognition systems / Biometric recognition  
systems / Patented rubber mechanical safety edge /  
Time clocks / Hold open switches.