

## VELA

HYDRAULIC BARRIER FOR  
INTENSIVE USE FOR BEAMS UP TO 5 METERS.

### Fast and reliable hydraulic barrier!

- Hydraulic barrier designed for beam lengths up to 5000 mm. Three speeds of barrier available.
- External key operated manual release.
- **SEA TOTAL QUALITY:** All main components are manufactured and tested in-house ensuring the highest of engineering standards.
- Hydraulic operation provides an extremely quiet, extremely robust system.
- Safety valves in both directions of travel allow for accurate adjustment of operating pressures.
- Simple key release system in case of power failure.
- Steel casing processed with cathaphoresis and finished in polyester powder coat.
- Stainless steel casings available.
- Electronic slow down at end of travel in both directions provides smooth and safe barrier operation.



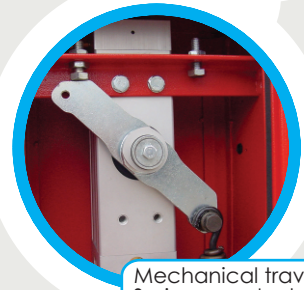
Internal View

Key Release System



### Smooth, safe, quiet and hard wearing!

- Designed for use in busy car parks with a high level of safety provided as standard.
- Cases are pre-drilled with fixing holes for a fast installation of photocells (Ghost 40) and key switch (Key plus).
- Barrier beams are spring counterbalanced to reduce loadings on the motor, extending the life of the barrier.
- Articulated 3.0 and 3.5 mtr rectangular beams available.
- Skirted 3.0, 3.5 and 4.0 mtr rectangular beams available.
- Thermal overload built in to the motor to provide the highest level of protection.
- Internal non return lock valves secure the barrier in all positions.
- Operating speeds from 2.5 seconds for rapid car access.
- Up to 90% duty cycle means that the Vela barrier can cope with the busiest of car parks.
- Foundation plates, fixed and flexible fork supports available.



Mechanical travel limits  
Spring counter balance

**When quality matters make sure it's SEA  
the engineers' choice!**

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# VELA

## Specifications

## VELA / VELA SPEED

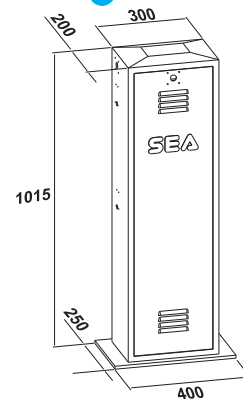
Supply Voltage	230Vac
Motor Power	220 / 270 W
Motor current	1.1 / 1.3 A
Opening speed	3.5 - 7.5 sec / 2.5 - 3.5 sec
Frequency of use	75 %
Thermal protect. interv.	130° C
Operating temperature	-20°C + 55°C
Operator Weight	42 Kg
Oil quantity	1.8 ltr
Max beam length	5.0 / 3.0 mtrs
Protection class	IP55
Starting Capacitor	12.5 / 10 •uF

### CONTROL BOARDS Technical Specifications

#### Gate 1 (for 1 leaf)

- Management of a 230 Vac motor with or without limit switch.
- 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 barrier with limits.
- Self-test on photocells.
- Self-diagnostic system.
- Encoder management for increased safety.
- Diagnostic Leds on all outputs/inputs.
- Extractable connectors for ease of installation.
- Integrated receiver compatible with radio transmitters SMART, HEADROLL and HEAD ECOPY series (800 users).
- 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.

Dimensions in (mm)  
VELA



### Opening time of the barrier depending on beam length

BEAM LENGTH	2.0	3.0	4.0/4.5	5.0
VELA 1 ltr	-	-	7.0 sec.	7.5 sec.
VELA 1.5 ltr	4.0 sec.	4.5 sec.	5.0 sec.	-
VELA Speed	2.5 sec.	3.5 sec.	-	-

### Kit beam + spring sizes available (rectangular or round)

Kit rectangular beam + spring /	2 mtr	2.5 mtr	3 mtr	4 mtr	5 mtr
Kit round beam + spring /	2 mtr	2.5 mtr	3 mtr	4 mtr	5 mtr
Kit rectangular beam + spring Skirted / Articulated			3 mtr	4 mtr	

### Accessories.

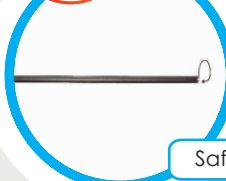
Loop detectors / Photocells / Key pads / Card readers / Transmitters & receivers / Telephone entry systems / Audio and video intercom systems wired and wireless.

Vehicle recognition systems / Biometric recognition systems / Patented rubber mechanical safety edge / Time clocks / Hold open switches.

Rectangular or round beam + balancing spring



Foundation plate



Safety edge