

**AS** AUTOMATIC  
SYSTEMS

## BL 40 Parking Barrier Gate

The BL 40 barrier is equipped with a powerful motor that can raise longer gate arms, even when equipped with accessories. The BL4x series offers extra-long security barriers to close off wide lanes. These robust barriers can be fitted with many accessories. One barrier... many different applications.

### Common Applications:

Perimeter access (Industrial, hospitals...) Traffic management

### SECURITY & SAFETY

- Automatic opening in case of power failure
- Vandalism Resistant
- Tip supports (electromagnetic, electronic locking, anti-vandalism...)
- Automatic lifting of arm or locking of arm (optional)

### AESTHETICS & CUSTOMIZATION

- Push button boxes
- Transmitter/receiver remote control
- Lighting for arm or housing
- Traffic lights
- Customized colors

### ADAPTABILITY & FLEXIBILITY

- Easy installation
- ASI620 Logic board
- IP capable for remote monitoring and control

### RELIABILITY & PERFORMANCE

- Fast, fluid movement
- Strong torque allows the boom to rise, whether it be very long, heavy or equipped with many accessories
- Products adapted for intensive use
- Robust housing, designed to protect the components
- Operation in temperatures as low as -31°F (-35°C)



## STANDARD TECHNICAL CHARACTERISTICS

Power supply	Single-phase 230 VAC - 50/60 Hz + ground <sup>(1)</sup>
Consumption	450 W
Motor	Three-phased asynchronous 250W
Reversible ring and pinion speed reducer, service factor 1.2	
Useful arm length (L)	3 to 8 m, in increments of 0.5 m
Operation not hampered by 120 km/h winds	
Ambient operating temperature	Between -20 and +50°C (without optional heating)
Relative ambient humidity	95% without condensation
Minimum opening/closing time	Up to 3,4 sec., depending on the configuration and the application.
Net weight	220 kg (without arm)
Weight of the arm	20 to 30 kg, depending on length and without options
MCBF (Mean Cycle Between Failure)	<b>5,000,000</b> cycles, in compliance with recommended maintenance
Sound level	<70 db(A) <sup>(2)</sup>
IP rating	IP44
<b>CE</b>	Complies with European standards.

## SURFACE TREATMENT

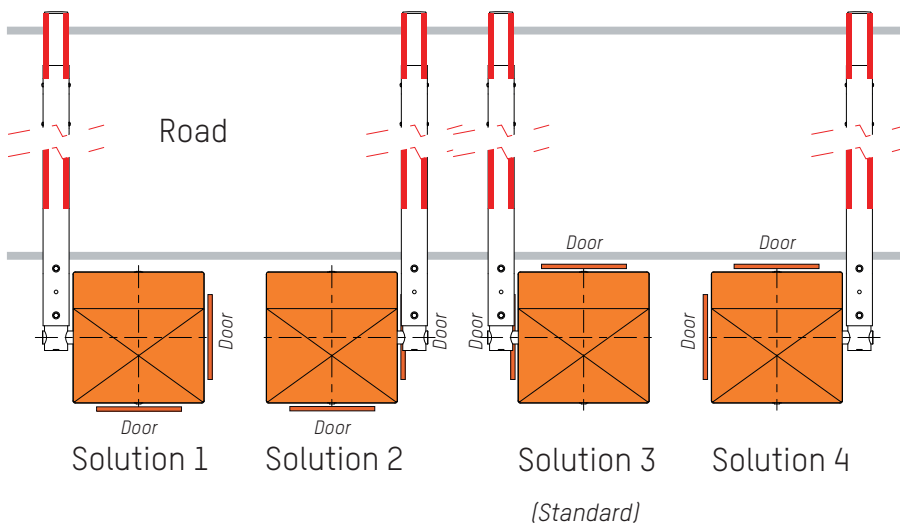
- Zinc-coated internal mechanical parts.
- Door and cover: stainless steel + structured paint.
- Frame : primer + structured paint.

## WORK TO BE PROVIDED BY THE CUSTOMER

- Adapted ground fastening
- Power supply
- Wiring towards eventual external peripherals.

**Note:** Follow the installation plan (CH6943).

## CONFIGURATIONS



# OPTIONS

## ARMS

- Articulated round arm.
- Folding rigid aluminium skirt.
- Aluminium folding fence.
- Extension of the fence over the barrier housing.
- Foam protection under the aluminium arm (for higher speed within EN 12453).
- Automatic opening of the arm in case of power failure.
- Arm locking system: open and/ or closed position.<sup>(3)</sup>
- Limit switch for info (Arm position in case of power failure).

## TIP SUPPORT

- Height adjustable tip support.
- Electromagnetic tip support (up to 5m included) - Ø 100 mm or oval arm.
- Vandal-proof tip support.
- Anti-vandalism tip support with electromagnetic suction device.
- Folding tip support (up to 5m included).
- Electro-locked tip support.
- Support leg for fence and aluminium skirt if no tip support.

## SECURITY & SAFETY

- Rotating base with reporting of information on the housing position.
- Vandal-proof package (locking of doors and cover with belts and padlocks).
- Opening protection of both cover & door - Information by a dry contact.

## CONTROL & COMMAND

- Push button box - 2 buttons (opening / closing).
- Push button box - 3 buttons (opening / closing / stop).
- Push button box - 2 push buttons + 1 switch (3 positions).<sup>(4)</sup>
- Fireman emergency opening embedded in the housing (11mm spanner wrench).
- Programmable clock (Weekly or Yearly).
- Key switch on the housing.<sup>(5)</sup>
- Radio transmitter/receiver - 2 or 4 channels.
- Inductive loop for vehicle detection.
- Presence sensor for inductive loop.
- Photo-electric cell (Transmitter / Receiver or Reflex).
- Support post for photo-electric cell (H = 0,7 m).
- Cell mounting - Transmitter + Receiver or Reflex.
- Ultrasonic detector installed in the housing under the arm (protection cover included).<sup>(6)</sup>
- Ultrasonic detector on the housing under the arm (protective cover included).<sup>(6)</sup>
- Human Machine Interface colour screen with keypad.
- Ethernet interface.
- SD memory card for Ethernet board - Industrial grade.
- Input / output (I/O) extension card.
- Totalling counter (number of vehicle operations or with resetting).
- Counter / Count down (parking : in - out = total).
- Laser sensor - On separate post
- Laser sensor - fixed on barrier housing
- Remote control for laser sensor
- Reference point for laser sensor fixed on post
- Reference point for laser sensor fixed on tip support
- Double laser sensor - fixed on barrier housing

## SIGNALISATION

- LEDs on arm - Per pair (Flashing lights (red) when closed).
- Traffic lights (Ø 100 mm) - Red/green LEDs - Supply.
- Traffic lights (Ø 200 mm) - Red/green LEDs - Fixed on a support post on the barrier.
- Traffic lights (Ø 200 mm) - Orange LEDs - Fixed on a support post on the barrier.
- Traffic lights (Ø 200 mm) - Red/green LEDs - Supply.
- Traffic lights (Ø 200 mm) - Orange LEDs - Supply.
- Support post (H = 2,7 m) for traffic lights - Supply.
- Extension board (electronic board for third-party traffic lights).
- Acoustic alarm 100dB (internal mounting) during the barrier closing movement.
- Aluminium composite traffic sign (Ø 300 mm).
- LED flashing light on the cover.<sup>(7)</sup>
- LED flashing light with grid on the top cover.<sup>(7)</sup>
- Vandal-proof LED module on the cover.

## AESTHETIC

- Non standard colour.
- Treatment for aggressive saline environment.<sup>(8)</sup>
- Steel raised base (RAL 9005 painted).

## POWER SUPPLY

- Power supply 120 V - 50/60 Hz.

## ENVIRONMENT

- Thermostatic heating - Heating for operation until -25°C.
- Thermostatic heating - Heating for operation until -45°C

## CASES

- Painted IP66 steel case (dimensions 600 x 380 x 120 mm) on the housing (with a lock & a key settled with a cable retainer).
- Plastic case IP66 (dimensions 290 x 340 x 128 mm) in the housing.
- Painted IP66 stainless steel case (dimensions 600 x 380 x 120 mm) on the housing (with a lock & a key settled with a cable retainer).

**Note:** For restrictions on options, please contact us.

(3) The reaction in case of power cut (locked or not) must be specified when ordering.

(4) Opening/Closing + switch for Automatic or Manual mode.

(5) Automatic / Locked open / Locked closed.

(6) Not considered as a safety device if used alone.

(7) Flashing during opening/closing movement and in open position - Off in closed position.

(8) Recommended for an installation within 10 km of the coast: sandblasting + Alu Zinc plating 80µm outside (40µm inside) + polyzinc 80µm + 80µm powder coat.