BL 262 Toll

Datasheet

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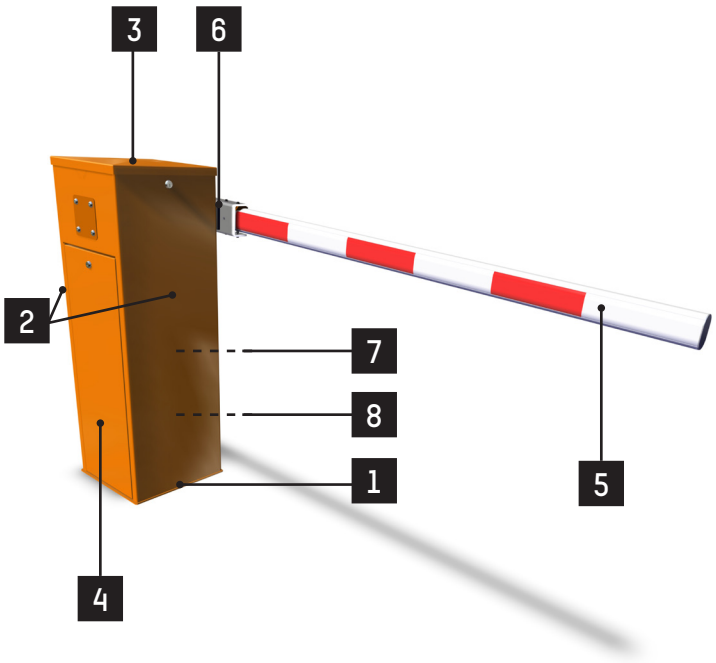


The **BL 262 Toll** arrier has been specially designed to meet the requirements of the toll market.

Its **high-speed performance**, from 0.6 seconds in continuous operation, allows **easy traffic management**, even in peak periods (up to 50 vehicles per minute).

The **BL 262 Toll** barrier is simple to install and, because of **its rugged** (20,000 cycles/day) **and reliable design**, it requires **low maintenance.**

Its **small size** and access to the mechanism and to the equipment located to the opposite of the highway allow to perform maintenance operations safely.

Modular up to 4 meters, the **BL 262 Toll** barrier has a wide range of options and accessories.

DESCRIPTION

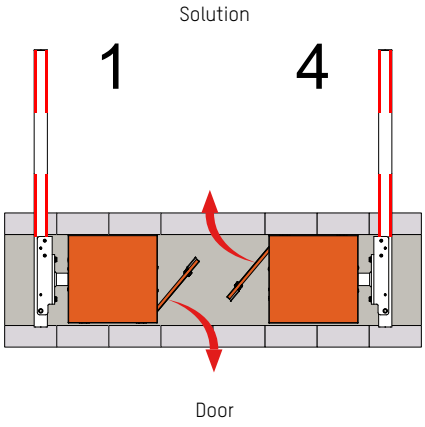
1. Steel base, 5mm thickness, with anti-rust treatment, RAL 2000 polyester paint finishing and rubber sealing joint.
2. Steel housing, 3 mm thickness, with anti-rust treatment and RAL 2000 polyester paint finishing.
3. Aluminium steel hood with anti-rust treatment and RAL 2000 polyester paint finishing.
4. Steel door (at side), 2 mm thickness, with anti-rust treatment and RAL 2000 polyester paint finishing.
5. Aluminium oval arm, 80 x 54 mm, white laquered (RAL 9010), with red reflective stripes and extremity cap. Arm swing-off system with swing-off sensor.
6. Main shaft directly driven by the gear motor eliminating all complicated adjustments and risk of additional breakdown.
7. Electromechanical assembly including:
   - Three-phase reversible gear motor with brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced lifting.
   - Auto-aligning bearing block lubricated for life.
   - Variable frequency drive ensuring progressive accelerations, short circuit protection, grounding, overcurrent and thermal protection of the gear motor.
   - Electronic torque limitation of the electromechanical assembly allows an immediate stopping of the boom during closing in case of an obstacle.
   - Balancing of the arm by means of compensating springs, according to the weight of the boom.
   - Automatic opening of the boom in case of power failure with spring anti-drop system.
8. Programmed control logic board according customer specifications with adjustable end of movement period. Information provided:
   - Boom up position.
   - Boom down position.
   - Boom swing-off status.
   - Other information on request.

STANDARD TECHNICAL SPECIFICATION

Electrical power supply	Single-phase 230 VAC - 50/60 Hz + ground. [1]	
Consumption	Standby: Operating:	44 W (Depending of options) 450 W max.
Motor	Tree-phased 230 V/250 W	
Free passage (L)	from 2.5 to 4 m	
Operating time	Adjustable from 0.6 to 2.5 s (Allowing the passage of 50 vehicles/min.)	
Ambient operating temperature	From -25 to +60°C	
Relative ambient humidity	95% max, without condensation	
MCBF (Mean cycles between failures)	**10.000.000** cycles, in compliance with recommended maintenance	
Weight	100 kg (without arm)	
IP rating	IP55	
CE	Complies with European standards	

[1] Not to be connected to a floating network or to high impedance earthed industrial distribution network.

CONFIGURATIONS



WORKS TO BE PROVIDED BY THE CUSTOMER

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

Note: Follow the installation plan.

OPTIONS

ARMS

- Carbon Protecta® arm - Lg. 2,5 m; 3 m; 3,5 m. [2]
- Carbon Protecta® arm with automatic re-hinging device - Lg. 2,5 m; 3 m; 3,5 m. [2]
- Polystyrene protection for aluminum arm - Lg. 0.5m at arm end.

SECURITY & SAFETY

- Opening protection of both cover & door - Information by a dry contact.

CONTROL & COMMAND

- Push button box - 2 buttons (opening / closing).
- Switch in housing (automatic / locked open / locked closed).
- Key switch on the housing (automatic / locked open / locked closed).
- Inductive loop for vehicle detection.
- Presence sensor on rail - Double channel.
- Photo-electric cell (T/R or Reflex).
- Support post for photo-electric cell (H = 0.7 m).
- Cell mounting (T/R or Reflex).
- Ultrasonic detector installed in the housing under the arm (protective cover included). [3]
- Electronic board for additional I/O + Presence sensor connector.
- Totaling counter (without or with resetting).
- Integration kit for ANPR camera Survision Nanopak with 24V DC power supply (camera not included). [4]

SIGNALISATION

- Traffic lights (Ø 200 mm - LEDs) - Red/Green - Supply.
- Support post for traffic lights (H: 2,70 m).
- Support post for traffic lights (for front ejection). [5]
- Support post for traffic lights (for back ejection). [5]
- Traffic lights (Ø 200mm) - Red/green LEDs + acoustic and visual alarms - Fixed on a support post on the barrier

AESTHETIC

- Non standard RAL colour.
- Treatment for aggressive saline environment. [6]
- Raised steel base.

POWER SUPPLY

- Power supply 120 V - 50/60 Hz.

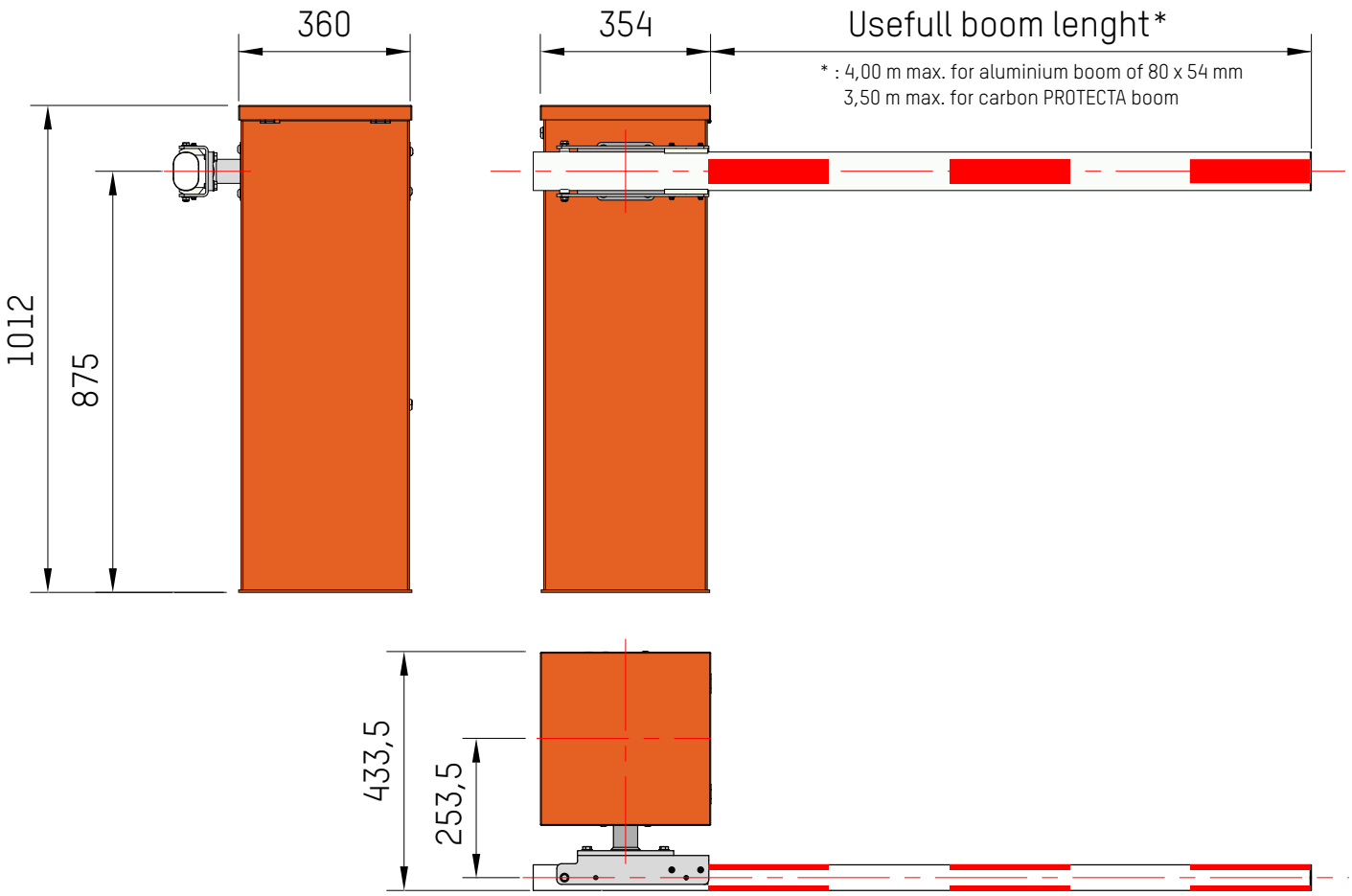
ENVIRONMENT

- Thermostatic heating - Heating for operation until -35°C.

[2] Polyurethane sheath and sleeve in marine-variety fibre fabric.
[3] Not considered as a safety device if used alone.
[4] Assembly carried out by AS if the camera is supplied by the customer.
[5] To be mounted on the barrier.
[6] Recommended for an installation within 10 km of the coast: sandblasting + Alu Zinc plating 80µm outside (40µm inside) + polyzinc 80µm + 80µm powder coat.

Note: For restrictions on options, please contact us.

GENERAL DIMENSIONS (MM)



Headquarters
Avenue Mercator, 5
1300 Wavre - Belgium

helpdesk.as@automatic-systems.com

+32.(0)10.23.02.11

www.automatic-systems.com

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