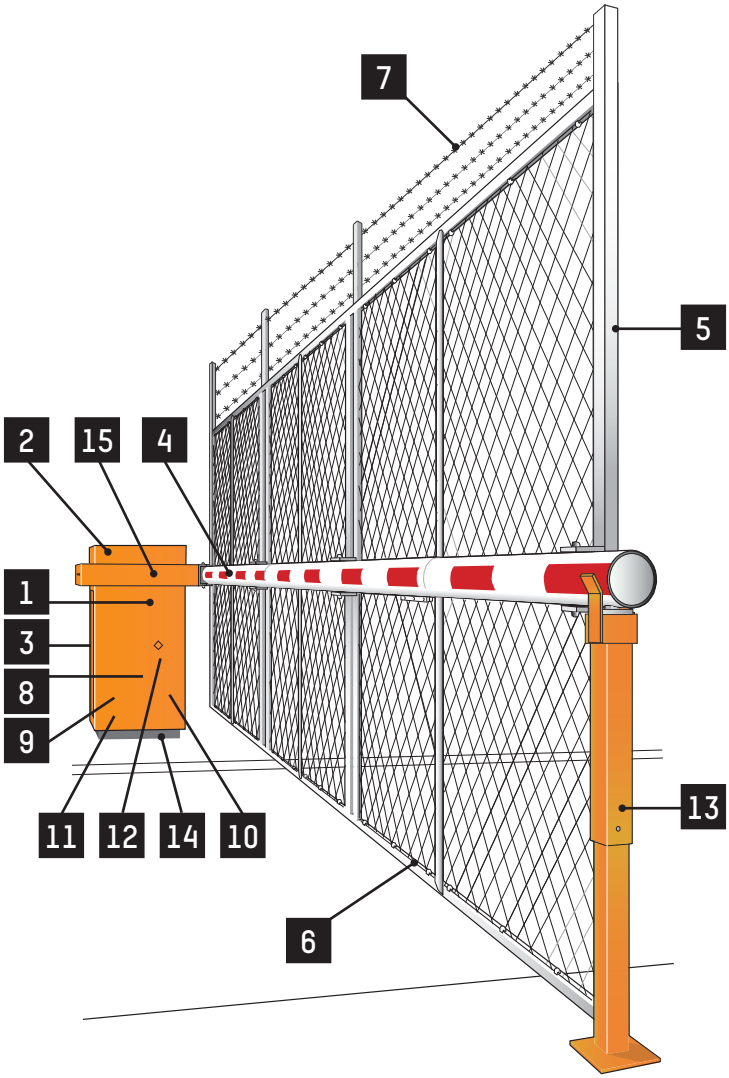
BLG 76

Datasheet

Rev. 14 • Update 10/2021



The **BLG 76** rising barrier is actually rising fences, offering a robust alternative to a sliding gate, with advantages in terms of speed and ground footprint.

DESCRIPTION

1. Manufactured in shaped and welded steel sheeting 3 to 10 mm thick, with a framework of steel profiles welded into a strong section.
2. Removable upper hood, locked from the inside.
3. Two side doors with peripheral weather seals and safety lock to insure easy access to the internal mechanism.
4. Aluminium tube barrier arm, varnished white with red reflecting stripes. The arm can be on the left or the right hand side of the housing. The barrier arm is composed of 3 sleeves of decreasing diameter with an end-sealing cap.
5. Rigid skirt formed by a frame constructed of square steel profiles of 30 x 30 mm, with hot-galvanised steel wire latticework.
6. Stainless steel rod ensuring the tightening of the skirt on the frame.
7. Upper part with barbed wire to avoid climbing over the rigid skirt. *(Only with BLG 76H)*
8. Electro-mechanical assembly comprising:
   - Three-phase induction motor;
   - Life-lubricated worm-screw gearbox;
   - Safety torque limiter with adjustable friction;
   - Operation by grooved pulley and V-belt making the adaptation of the operation speed possible according to the length of the boom arm;
   - Movement transmission by crankshaft-rod mechanism with ball strap joints, to insure progressive shock-free accelerations and decelerations, as well as mechanical locking of the arm in end positions;
   - Limit switches activated by adjustable cams.
9. Barrier arm balancing by means of a compression spring.
10. Programmable electronic control board allowing various control operations and/or complementary accessories. The board protection to dust and condensation is assured by a removable hood. Electrical protection is secured by a bipolar circuit-breaker.
11. Integrated heating resistance for low temperatures.
12. Emergency crank with safety cut-out for manual barrier operation in the event of power failure.
13. Tip support.
14. Fixing frame made of a frame with threaded rods to be sealed in a concrete base.

STANDARD TECHNICAL CHARACTERISTICS

Power supply	Single phase 230 VAC, 50/60 Hz [1] + Ground. [2]
Nominal power consumption	420 W
Motor	induction, 3-phase 250 W
Gearbox	worm-screw, life-lubricated
Thermostatic heater	80 W
Ambient operation temperature	from -35 to +50°C
Boom arm balancing	by adjustable spring(s)
Useful length of boom arm (L)	5.50 meters
Operation time	12 sec
Net weight *(housing)*	± 360 kg
Net weight *(arm + skirt)*	15 + 52 kg
Protection index	IP44
Limit switch sensor	IP65
CE	EC norms compliant

[1] To precise when ordering.

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

SURFACE TREATMENT

Protection against corrosion:

- Internal mechanical items: electrozinc coating.
- Complete housing: zinc phosphating and KTL electroplating.
- Skirt: hot-galvanisation.

Paint:

- 1 coat of 2-component epoxy anti-rust primer and
  1 top coat of 2-component polyurethane structured paint.
  Standard colour for housing: RAL 2000 orange.
  Colour for skirt frame: RAL 9010 white.

WORK TO BE SUPPLIED BY THE CUSTOMER

- Power supply.
- Electrical wiring connection to the control instruments.
- Means of fixing to the ground, according to the nature of the existing ground.

Note: comply with the installation drawing.

OPTIONS

SECURITY & SAFETY

1. Crank handle flap locking.

CONTROL & COMMAND

2. Push button box - 2 buttons (Opening / Closing).
3. Push button box - 3 buttons (Opening / Closing / Stop).
4. Push button box - 2 buttons + 3-positions switch. [3]
5. Key switch on the housing. [4]
6. Radio Transmitter/Receiver - 2 channels.
7. Radio Transmitter/Receiver - 4 channels.
8. Inductive loop for vehicle detection.
9. Presence sensor on rail for inductive loop - on rail.
10. Cell mounting (Transmitter/Receiver).
11. Support post for photo-electric cell (H = 0.7 m).
12. Cell mounting (T/R or Reflex).
13. Human Machine Interface colour screen with keypad.
14. Ethernet interface.
15. SD memory card - Industrial grade.
16. Input / output (I/O) extention card.
17. Totaling counter (number of operations or with resetting).

SIGNALISATION

18. Traffic lights (Ø 200 mm - LEDs) - Red/Green. [5]
19. Traffic lights (Ø 200 mm - LEDs) - Orange. [5]
20. Traffic lights (Ø 200 mm - LEDs) - Red/Green - Supply.
21. Traffic lights (Ø 200 mm - LEDs) - Orange - Supply.
22. Support post for traffic lights (H: 2,70 m).
23. Electronic board for third-party traffic lights control.

AESTHETIC

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

POWER SUPPLY

27. Power supply 120 V - 50/60 Hz.

Note: for restrictions on the options, consult the rate table.

[3] Open/Close + Automatic/Normal/Manual.

[4] Automatic / Locked Open / Locked Closed.

[5] Fixed on a support post on the barrier.

[6] Recommended when the barrier is installed within 10 km of the coast and may be subject to salt attack: sandblasting + Alu Zinc plating 80µm outside (40µm inside) + polyzinc 80µm + 80µm powder paint.

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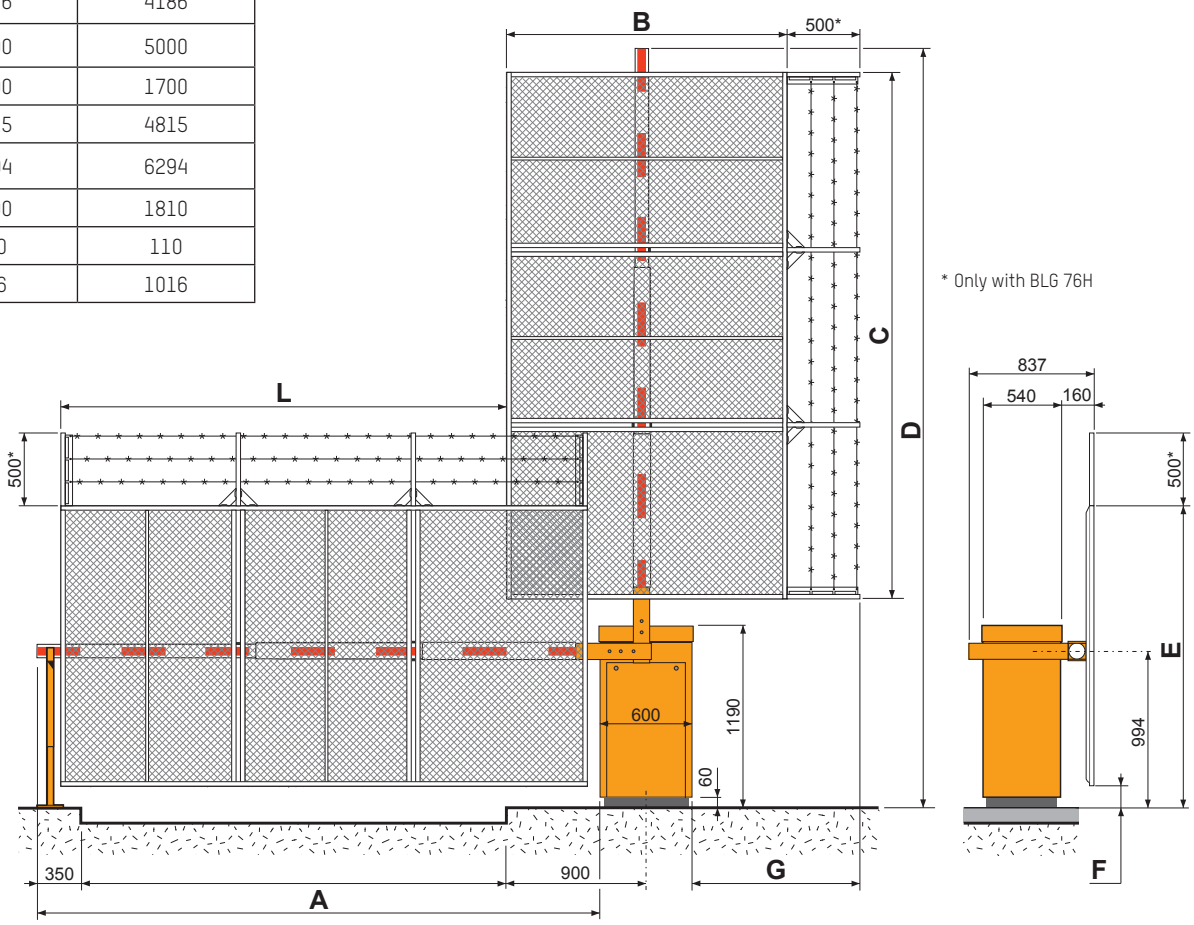
STANDARD DIMENSIONS (MM)

	BLG 76L	BLG 76H
L	4776	4186
A	5500	5000
B	1700	1700
C	5315	4815
D	6794	6294
E	1900	1810
F	200	110
G	606	1016



* Only with BLG 76H

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