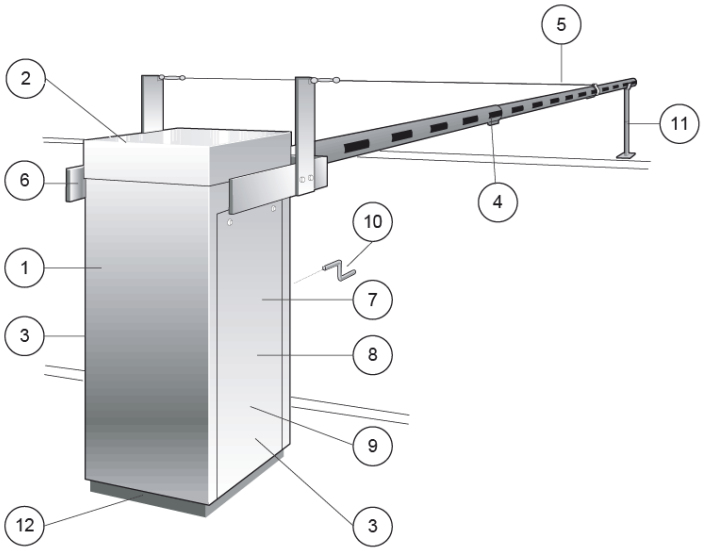
BL 52



The industrial BL52 rising barrier is designed to control vehicle access through large entrances. Its robust and oversized mechanics makes it possible to move a boom arm up to 14m long.

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 barrier arm is composed of 3 sleeves of decreasing diameter (100/90/84 mm) with an end-sealing cap. The barrier arm is mounted in central position on a steel pole.
5. Bracing wires and slack adjusters in stainless steel. The number of braces is increased from 2 to 4 for a boom arm over 10 m long or according to the boom arm options chosen.
6. Arm shaft mounted on two life-lubricated ball bearings.
7. Electro-mechanical assembly comprising:
   - three-phase induction motor,
   - life-lubricated worm-screw gearbox,
   - 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,
   - safety torque limiter with adjustable friction,
   - limit switches activated by adjustable cams.
8. Barrier arm balancing by means of a compression spring.
9. Programmable electronic control logic type AS1320 allowing various control operations and/or complementory accessories (see related technical data sheet).The logic protection to dust and condensation is assured by a removable hood. Electrical protection is secured by a bipolar circuit-breaker.
10. Emergency crank with safety cut-out for manual barrieroperation in the event of power failure.
11. Tip support.
12. Fixing frame made of a fixing frame with threaded rods to be fixed in a concrete base to be provided by the customer.

Surface treatment

- Internal mechanical items: electrozinc coating.
- Complete housing: sandblasting and 1 layer of zinc primer + 1 coat of 2-component epoxy anti-rust primer and 1 top coat of 2-component polyurethane structured paint. Standard colour: Orange RAL 2000.

Standard technical characteristics

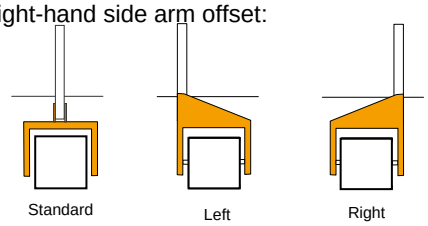
- Power supply: single phase 230 V. (not to be connected to a floating network or to high impedance earthed industrial distribution network)
- Frequency: 50Hz-60Hz.
- Nominal power consumption: 350W.
- Motor: induction, 3-phase 250W.
- Gearbox: worm-screw, life-lubricated.
- Thermostatic heater: 80 W.
- Ambient operation temperature: -35° to +50°C.
- Boom arm balancing: by adjustable spring.
- Length of boom arm: 6 to 14m.
- Position of boom arm: central.
- Operation time: 8 to 12 sec. according to the boom's range and the installed options.
- Net weight (without boom arm): ± 340 kg.
- MCBF (Mean Cycles Between Failures), when respecting recommended maintenance: 1,500,000 cycles..
- Protection index: IP44.
- IP65 limit switch sensor.
- EC norms compliant.

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.

Options

1. Push button(s) box.
2. Key switch on housing.
3. Command by radio transmitter/receiver.
4. Inductive loops for cars or trucks detection.
5. Presence detector for inductive loops.
6. Photo electric cell (automatic opening, closing after passage, safety).
7. Cell support post.
8. Cell fixed on housing.
9. Aluminium rigid folding skirt [(a)] (requires option 24).
10. Folding tip support [(a)].
11. Electro-magnetic tip support [(a)].
12. Boom lighting (LED).
13. Traffic lights (LED) fixed on a post on housing.
14. Traffic lights (LED).
15. Support post for traffic lights.
16. STOP traffic sign, Ø 400 mm [(a)].
17. Non standard RAL colour.
18. Raised base.
19. 120 VAC, 60 Hz power supply *(reduces performances)*.
20. Electronic board for Input/Output extension (CAN).
21. Electronic board for third-party traffic lights control.
22. Aluminium folding fence [(a)] (requires option 24).
23. Security lock for crank hole closing plate.
24. Left/right-hand side arm offset:



[(a)] *Some options reduce the arm's range. Consult the "Limit of use" table of the price list.*

Standard Dimensions (mm)