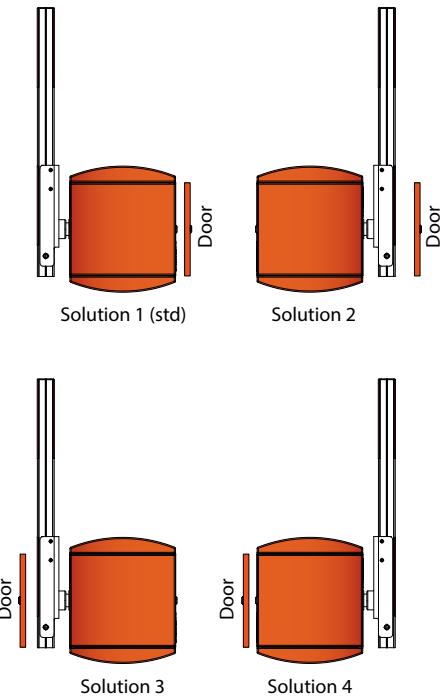


The BL 229 Toll barriers are designed for highway toll booths and meet numerous requirements in terms of performance, reliability, robustness, adaptability and reduced maintenance..

## CONVENTIONS



## DESCRIPTION

1. Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by cataphoresis and two coats of structured paint (*standard color: orange RAL2000*).
2. Internal mechanical elements treated by electrogalvanisation.
3. Side door giving access to the mechanism, with security lock.
4. Removable cover, locked by key.
5. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing.
6. Boom arm swing-off, avoiding damage to the barrier in case of impact on the boom arm.
7. Arm shaft mounted on two life-lubricated ball bearings. The protrusion of the shaft, centred on the housing side, allows it to be easily reversed from one side of the housing to the other: arm on the left or on the right of the framework housing.
8. Arm balancing by springs.
9. Electro-mechanical assembly including:
  - An asynchronous three-phase geared motor.
  - Movement transmission by crankshaft-rod device insuring mechanical locking of the boom arm in end positions.
  - Automatic barrier unlocking device in case of power failure, opening then being possible by hand.
  - Frequency converter ensuring progressive accelerations and controlled decelerations, for a vibration-free movement and enhanced protection of the mechanism.
  - Limit switches activated by leaf spring.
10. Lever for manual unlocking (*if not automatic mode set up*).
11. Control board enabling various additional commands and/or accessory options
12. Adjustable information contacts:
  - State of the barrier's position (*open or closed*),
  - State of the presence detectors,
  - Command for master-slave barriers (*movement of one barrier controlled by the other barrier*),
  - ...
13. Cadre de fixation de la barrière à noyer dans un socle en béton réalisé par le client.

for Indonesia Inquiry :