TP 262

Technical datasheet

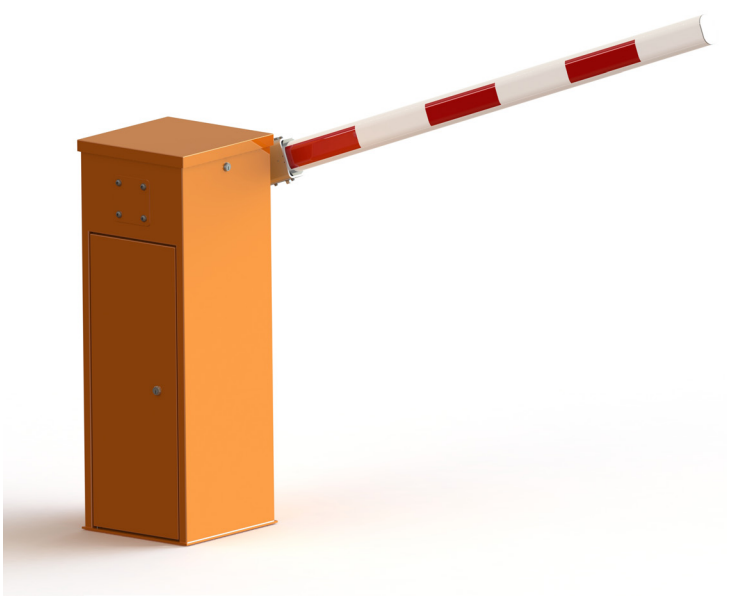
TP 262-FT-EN-07

AUTOMATIC SYSTEMS

Access controlled...
Future secured

TollPlus

The reference of the motorway environment



The **TollPlus 262** 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 TollPlus 262 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 TollPlus 262 barrier has a wide range of options and accessories.

STANDARD EQUIPMENT

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.

TP 262

Datasheet
TP 262-FT-EN-07

STANDARD TECHNICAL SPECIFICATION

Electrical power supply	Single-phase 230 VAC - 50/60 Hz + ground *Note: not to be connected to an isolated ground network or a high impedance earthed industrial network.*
Consumption	During motion: 450 W max. At rest: 44 W *(Depending of options)*
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.)*
Operating temperature	From -25 o +60°C
Relative humidity	95% max, without condensation
MCBF	**10.000.000** *(Mean cycles between failures, ewhen respecting recommended maintance.)*
Weight	100 kg *(without arm)*
Protection index	IP55
Conform to European standards.	

WORK TO BE SUPPLIED BY THE CUSTOMER

Note: comply with the installation drawing

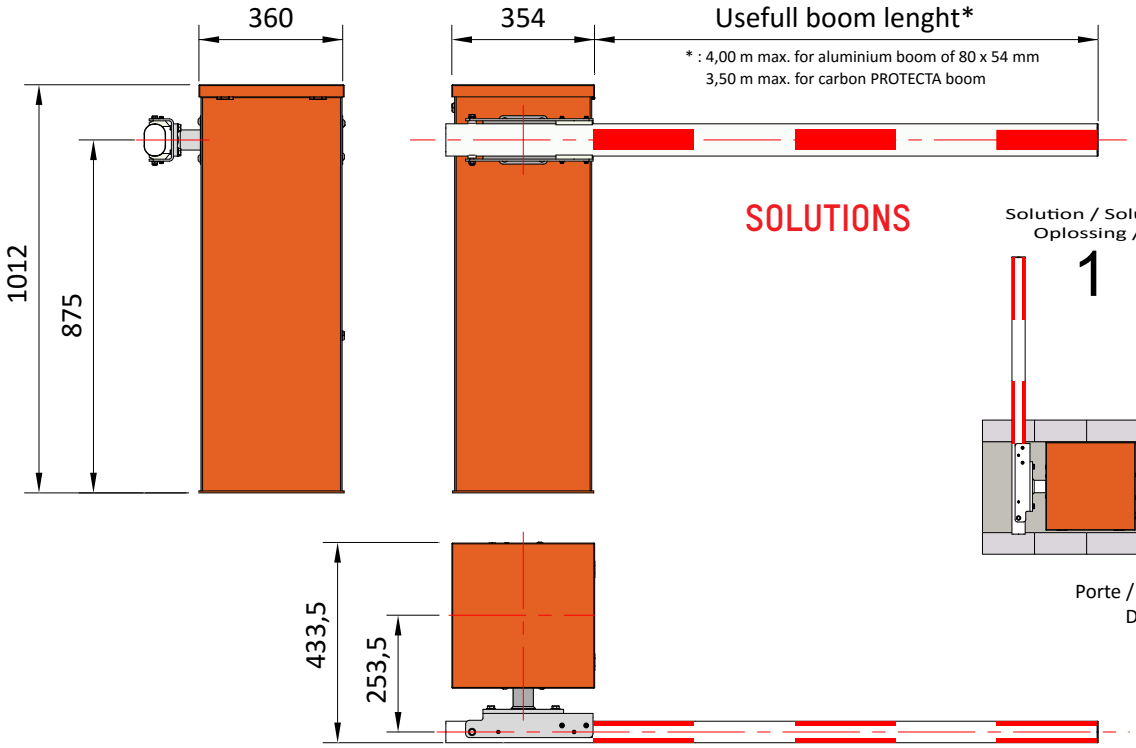
- Adapted ground fastening.
- Power supply.
- Wiring towards eventual external peripherals.

OPTIONAL

1. Protecta® boom in carbon fibre *(polyurethane sheath and sleeve in marine-variety fibre fabric)*.
2. Automatic re-hinging device with Protecta® boom.
3. Polystyrene protection for aluminium boom.
4. Hood & door intrusion information (Dry contact).
5. Push buttons box.
6. 3 positions commutator on housing.
7. Key switch on housing *(Automatic / locked open / locked closed)*.
8. Vehicle detection loop.
9. Presence detector for detection loop.
10. Photoelectric cell for closing-safety.
11. Cell support post.
12. Cell assembly on housing.
13. Ultrasonic detector inside the barrier.
14. Extension card for inputs, outputs and Presence detector connector.
15. Totaling counter *(without or with Reset)*.
16. LED traffic lights *(Ø 200 mm)*.
17. LED traffic lights *(Ø 200 mm)* with acoustic and visual alarm.
18. Support post for traffic lights.
19. Other RAL color.
20. Treatment for aggressive saline environment.
21. Raised base.
22. Power supply 120 V - 50/60 Hz.
23. Thermostatic heater for operation down to -45°C.

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

GENERAL DIMENSIONS (mm)



SOLUTIONS