

- Motorway
- Car park
- Industry-Tertiary
- Hospital/Clinic
- Residential/sme-smi
- Controlled access
- Traffic Management
- Bridge/Tunnel



The reference for the highway environment

High speed performance
from 0.6 s in continuous service

Congestion Control
50 vehicles per minute

Modular up to **4.00 meters**
Wide range of options and accessories

Simple to install
Reduced maintenance

**Designer and manufacturer
of boundary access control equipment**



Designed for highway toll booths, the **TollPlus 261** barrier meets numerous requirements in terms of performance, reliability and robustness, adaptability and reduced maintenance. Its lack of obstructions and easy access to the mechanism with the equipment located on the opposite side to the traffic allows maintenance operations to be carried out in complete safety.

Standard characteristics of the TollPlus 261 SR/AVR raising barrier

- ① • Variable speed control supplied with 230 Volts single-phase ensures control of the accelerations, decelerations, short circuit protection, grounding, overcurrent and thermal protection of the reduction motor
 - Limitation of the electromagnetic group torque allows immediate stopping of the boom during closing and in case of an obstacle
- ② • Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom
- ③ • Auto-aligning pillow block lubricated for life
- ④ • Boom shaft directly driven by reduction motor eliminating all complicated adjustments and the risk of breakdown associated with the rotating slider crank principle
 - Boom made from aluminum alloy with an 80 x 54 mm oval profile with orange reflective stripes cl. 1
 - * **Numerous boom options offered**

- ⑤ • **Boom swing-off system in case of frontal impact with swing-off sensor**
- **Automatic boom rising in case of electrical power supply interruption with spring anti-drop system**
- ⑥ • Control logic programmed according to customer specification with adjustable end of movement period

Information provided:

Boom Up Position
Boom Down Position
Boom swung off
Other information on request

- ⑦ • Modular terminal block
 - * **Integration of customer equipment on request**
- ⑧ • Steel plate column base plate thickness 3 mm with anti-corrosion orange finish polyester paint treatment RAL 2000⁽¹⁾
- ⑨ • Steel plate column base plate thickness 5 mm anti-corrosion orange finish polyester paint treatment RAL 2000⁽¹⁾ and rubber sealing joint on base
 - Steel plate cover (opposite side to traffic) thickness 1.5 mm with anti-corrosion orange finish polyester paint treatment RAL 2000⁽¹⁾ giving multiple access to the mechanism and equipment.

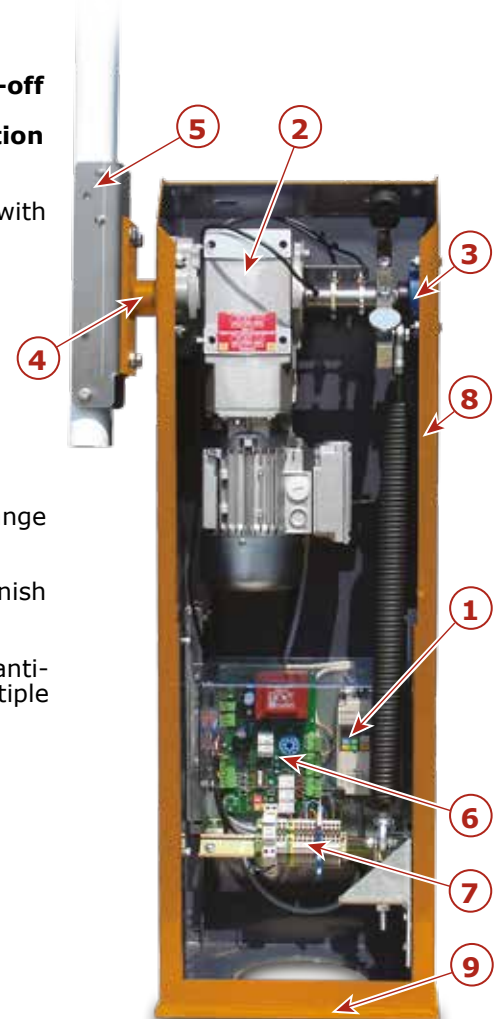
⁽¹⁾**Other color options available according to RAL colour chart**

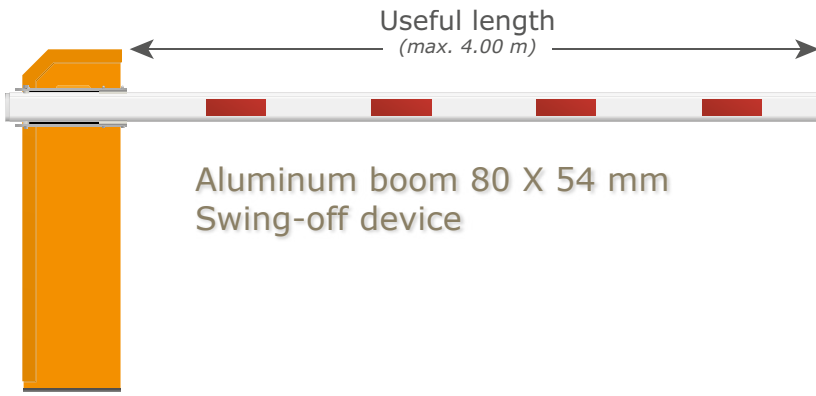
- Triangle type security lock
- **Adjustable opening and closing speeds from 0.6 s to 2.5 s in continuous service**

- **High speed performance:** 50 vehicles per minute
- **High degree of robustness:** 20,000 cycles / day
- **MCBF:** 5,000,000 cycles
- **MTTR:** 1 hour (boom: 10 min)
- **Operating temperature:** from - 25° C to + 60° C
- **Average relative humidity:** 95%
- **Protection:** IP55

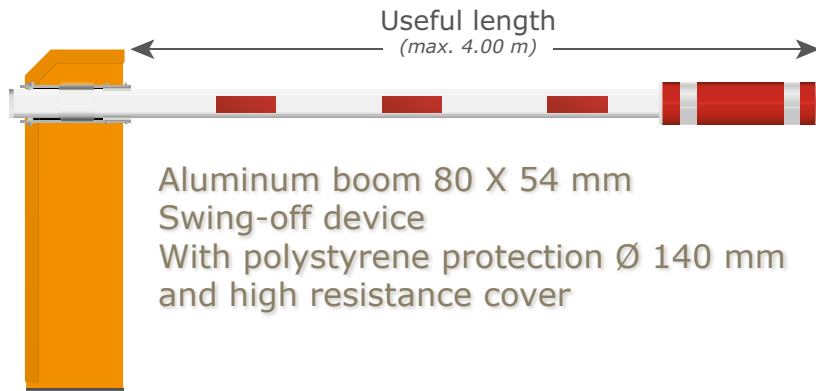
- **Weight:** 100 kg

- **Barrier supplied fitted, tested and adjusted to customer configuration at factory**
- **Numerous accessories and options available**
- **Simple installation and reduced maintenance thanks to the elimination of the kinematic mechanics**

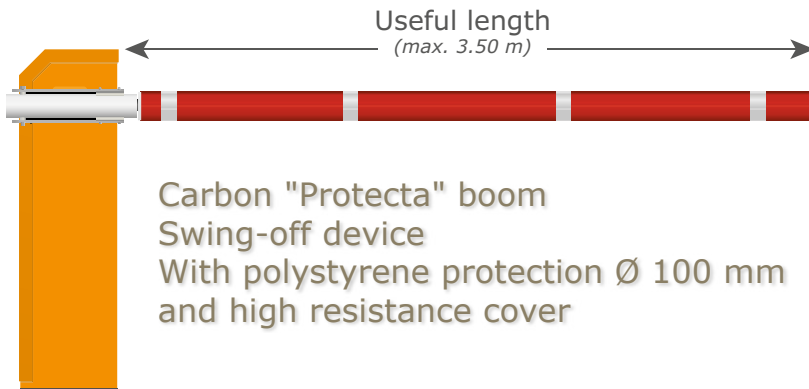




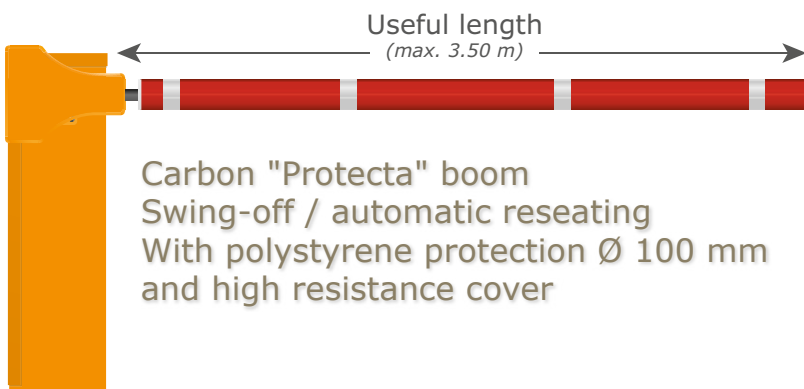
Aluminum boom 80 X 54 mm
Swing-off device



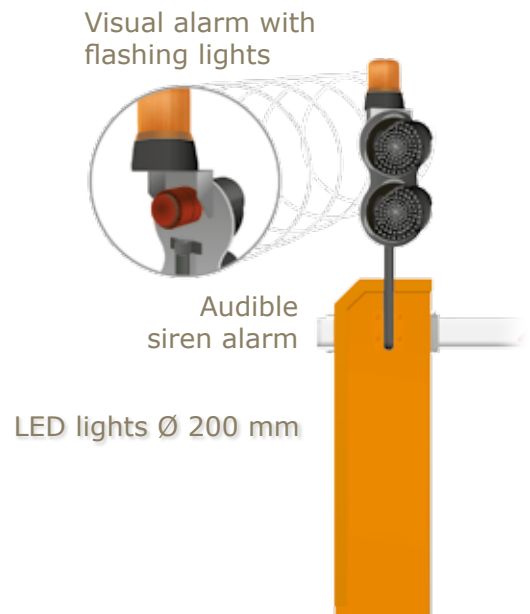
Aluminum boom 80 X 54 mm
Swing-off device
With polystyrene protection \varnothing 140 mm
and high resistance cover



Carbon "Protecta" boom
Swing-off device
With polystyrene protection \varnothing 100 mm
and high resistance cover



Carbon "Protecta" boom
Swing-off / automatic reseating
With polystyrene protection \varnothing 100 mm
and high resistance cover

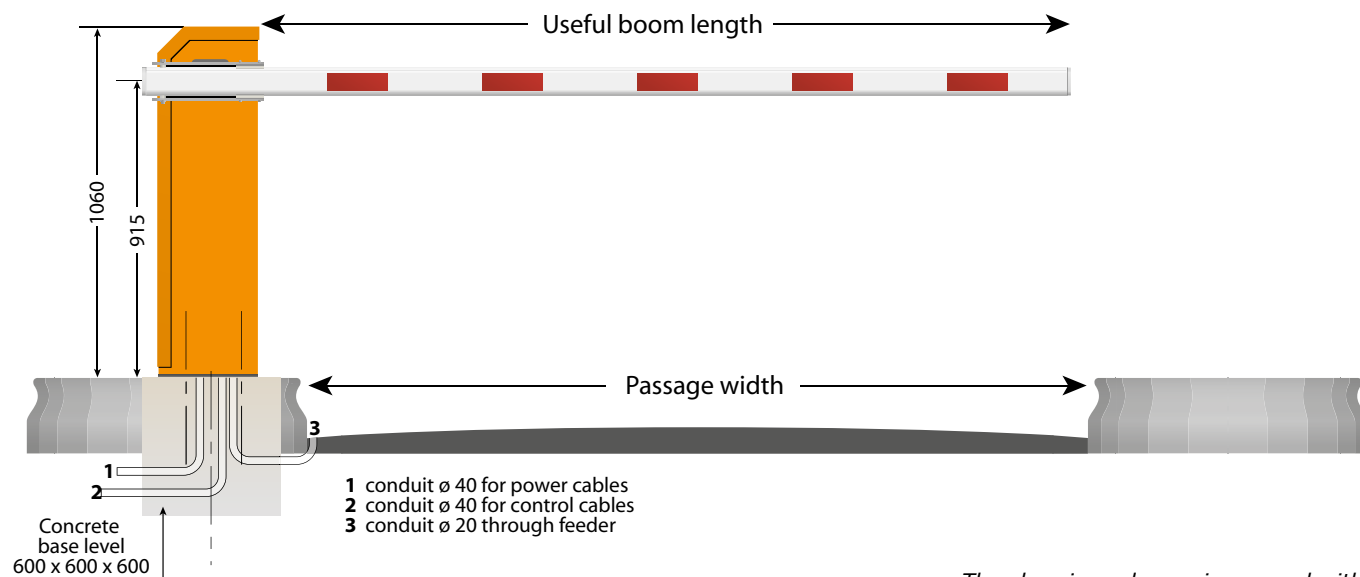


Visual alarm with
flashing lights

Audible
siren alarm

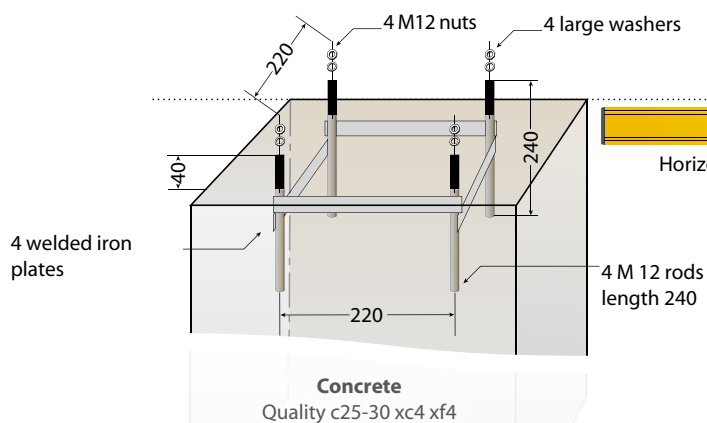
LED lights \varnothing 200 mm

Barrier installation

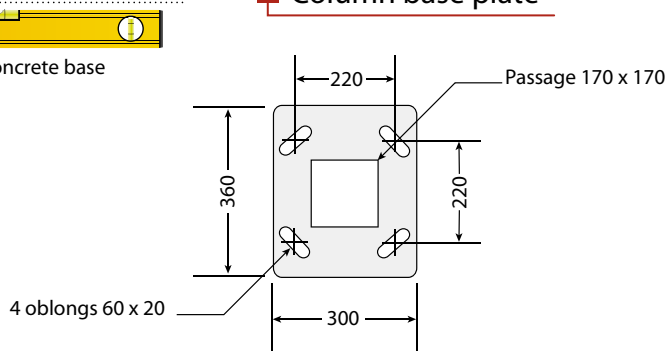


The chassis enclosure is secured with 4 screws and 4 washers. It is possible to secure the barrier with M12 chemical anchors

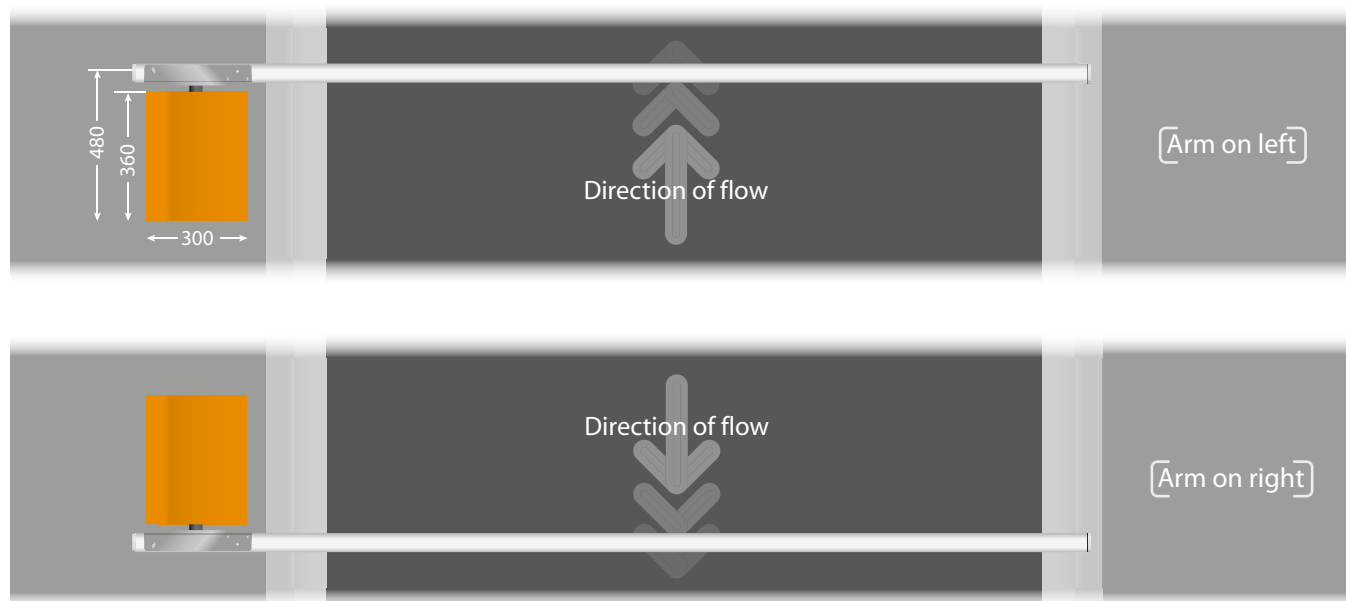
Base



Column base plate



Direction of boom arm



Your installer: