

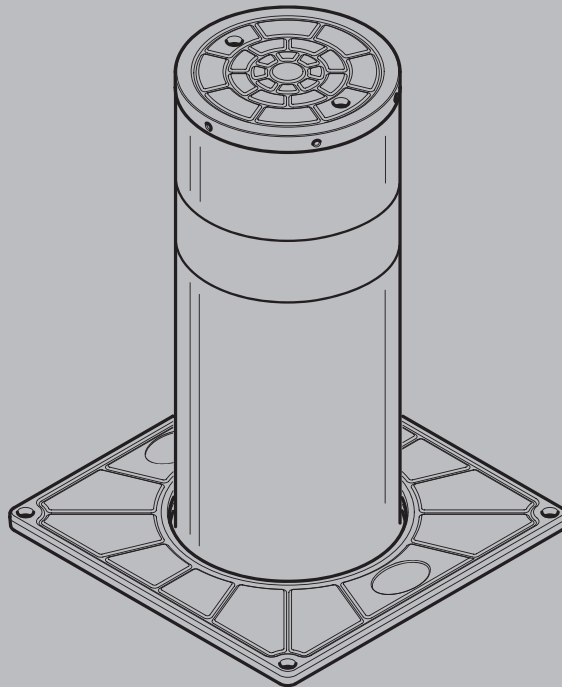
## ROAD E 115/500

## ROAD E200/700

AUTOMATIC BOLLARD

INSTRUCTIONS FOR INSTALLATION, USE AND MAINTENANCE

UK  
CA CE



## GENERAL

The deterrent bollard is the ideal solution for managing vehicle traffic in compliance with modern urban furnishing requirements. It can be used to control entrances or to safeguard private areas in total safety.

## TECHNICAL SPECIFICATIONS

Motor.....230V±10% 50÷60Hz 300W 10uF 1,4 A

Working frequency.....500/24

Protection level.....IP67

Control unit.....ASROAD E

Working temperature.....-40 \*\* +60 °C

Working time.....6 s. \*\*\* (ROAD E 115/500)

9 s. \*\*\* (ROAD E 200/700)

Net weight.....57 kg (ROAD E 115/500)

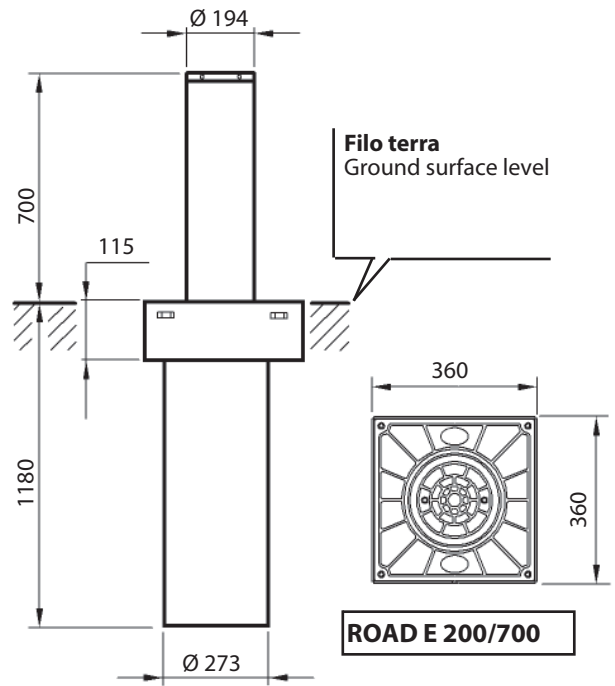
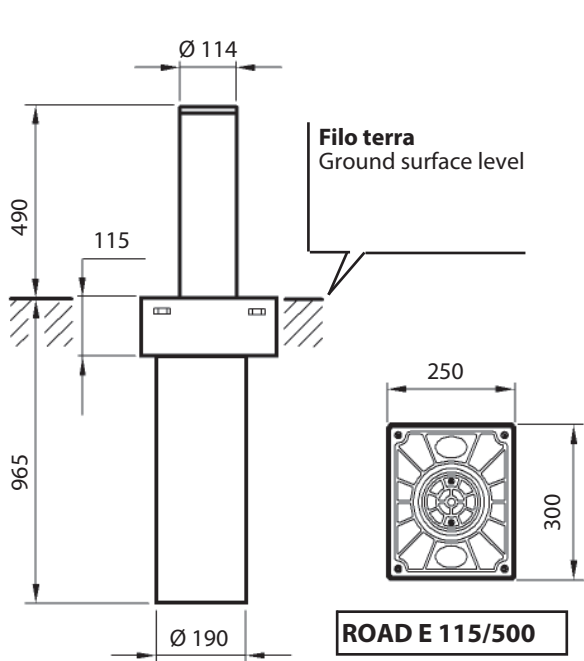
103 kg (ROAD E 200/700)

Gross weight.....60 kg (ROAD E 115/500)

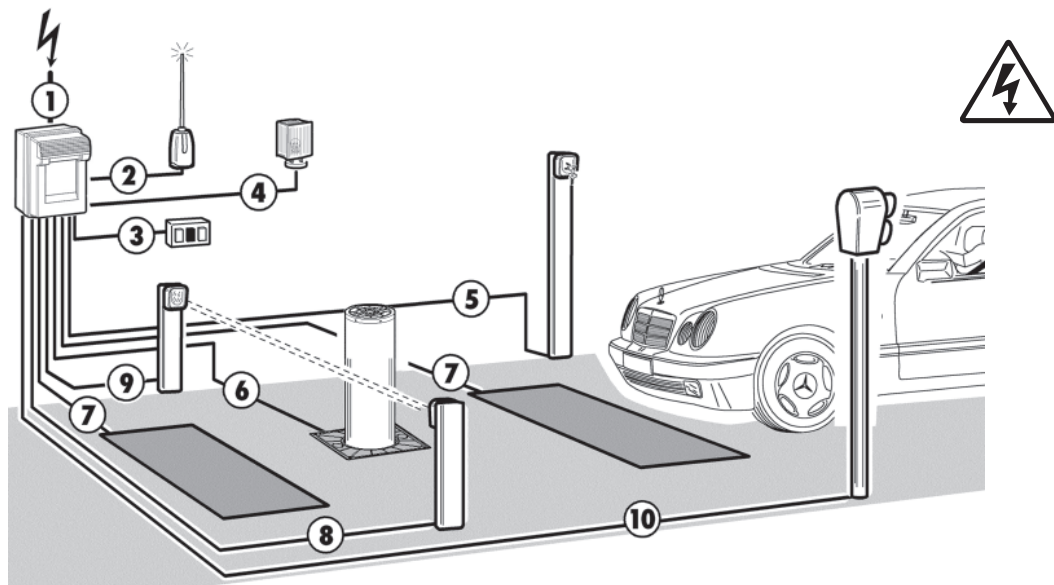
115 kg (ROAD E 200/700) \*\* With integrated heater active (ASROAD E)

\*\*\* At 25 °C ambient temperature

## A OVERALL SIZE DIMENSIONS

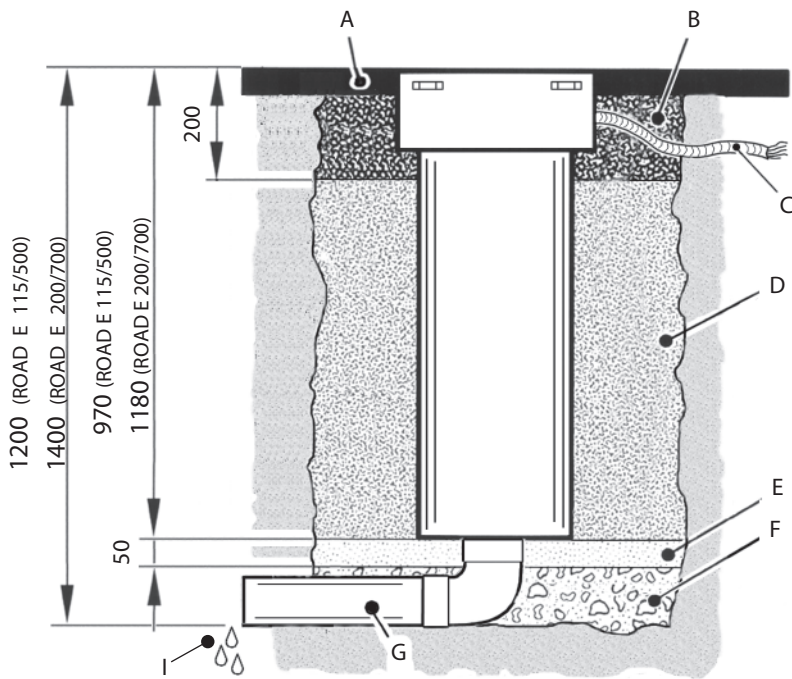


## B NOWIRING NOTE



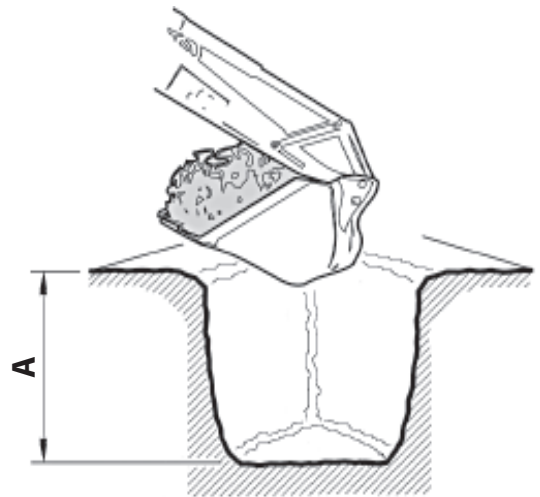
|   |                                  |                                  |
|---|----------------------------------|----------------------------------|
| ① | Single-phase line                | H05VV 2 x 1,5 + T                |
| ② | Receiver                         | 4 x 0,5                          |
| ③ | Push button panel                | 4 x 0,5                          |
| ④ | Flasher                          | 2 x 0,5                          |
| ⑤ | Key selector                     | 2 x 0,5                          |
| ⑥ | ROAD E 115/500<br>ROAD E 200/700 | <b>Cables supplied by us 10m</b> |
| ⑦ | Magnetic detector                | RG58                             |
| ⑧ | Trasmitter photocell             | 2 x 0,5                          |
| ⑨ | Receiver photocell               | 4 x 0,5                          |
| ⑩ | Traffic light                    | 3 x 0,5 + T                      |

## C LAYOUT

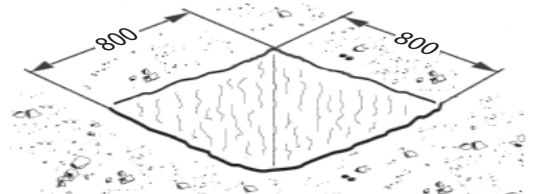


|   |                                 |
|---|---------------------------------|
| A | Road surface                    |
| B | Cement                          |
| C | Sheathing Ø50                   |
| D | Compact sand                    |
| E | Fine sand                       |
| F | Pebble gravel                   |
| G | Drainage Ø125                   |
| I | Connection to the sewer network |

## D FOUNDATION

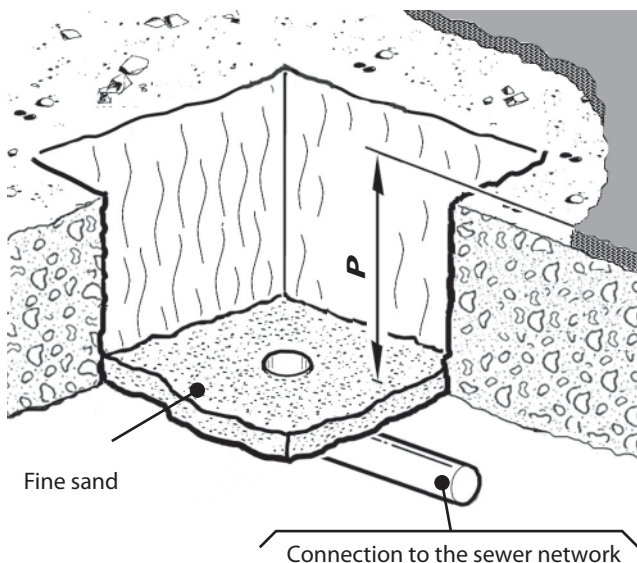



**A** = min. **1200 mm** (ROAD E 115/500)  
min. **1400 mm** (ROAD E 200/700)



## E DRAINAGE

|          |                |                |
|----------|----------------|----------------|
| <b>P</b> | ROAD E 115/500 | <b>970 mm</b>  |
|          | ROAD E 200/700 | <b>1180 mm</b> |



**IT** Assicurarsi che il terreno abbia un buon assorbimento d'acqua immettendo circa 40 litri d'acqua e verificando che lo svuotamento avvenga in meno di 30 minuti; in caso contrario realizzare il drenaggio delle acque tramite tubazioni da collegare ad ogni singola cassaforma e raccordate ad un tubo di drenaggio, oppure ad un pozzetto dotato di un sistema di svuotamento dell'acqua. 

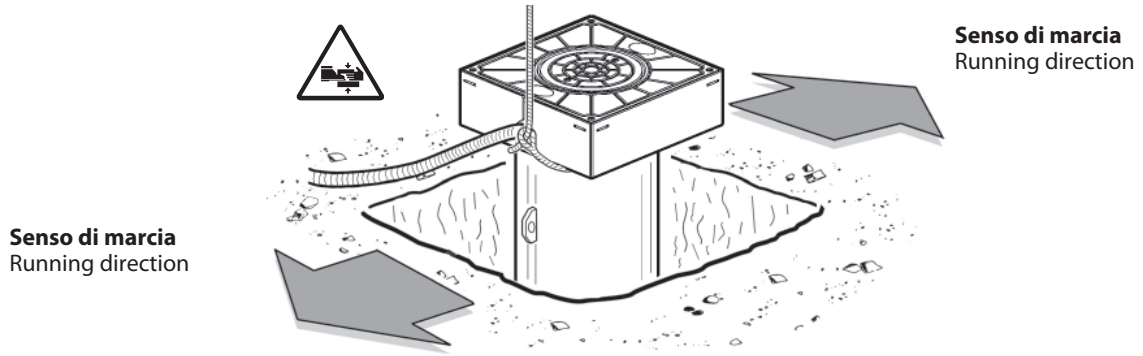
**EN** Ensure that the soil has an adequate water absorption by entering about 40 liters of water and checking that the emptying takes place in less than 30 minutes; otherwise realize the drainage of water through pipes connected to every single manhole and connected to a drainage pipe, or a collecting sump with a drainage system of water.

**FR** Avant de réaliser le coffrage, il faut vérifier la perméabilité du sol: le drainage minimum doit être de 80 litres/heure. Si l'évacuation de l'eau est trop faible, il est fortement recommandé soit de le raccorder à un tuyau de drainage, soit de construire un puit perdu.

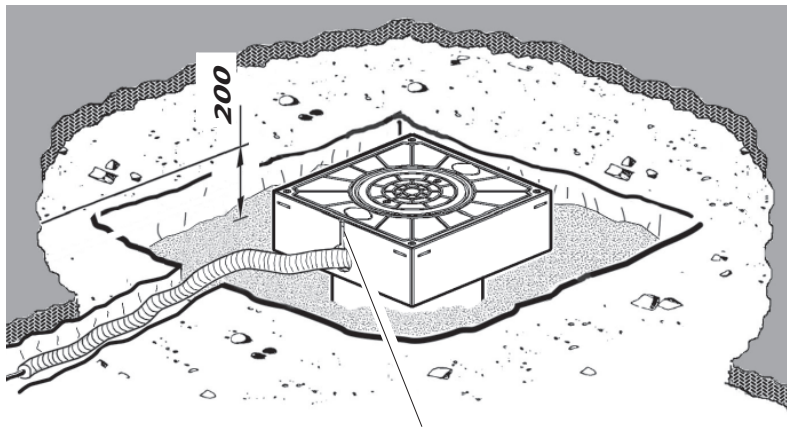
**DE** Sicherstellen, dass das Gelände eine gute Wasseraufnahme gewährleistet, indem ca. 40 Liter Wasser eingefüllt und kontrolliert wird, dass das Wasser in weniger als 30 Minuten absickert. Andernfalls muss die Ableitung des Wassers anhand von Rohren erfolgen, an ein Abflussrohr anschließender mit einem mit Entwässerungssystem ausgestatteten Schacht zu verbinden sind.

**ES** Asegúrase de que el suelo tenga un buen absorbimiento del agua de aproximadamente 40 litros de agua, controlar que el vaciado sea efectuado en menos de 30 minutos; de lo contrario realice el drenaje a través de los tubos que deben ser conectados a cada encofrado del bolardo y a su vez conectado a una tubería de drenaje o a un buen sistema de drenaje.

**F** FIT THE BOLLARD

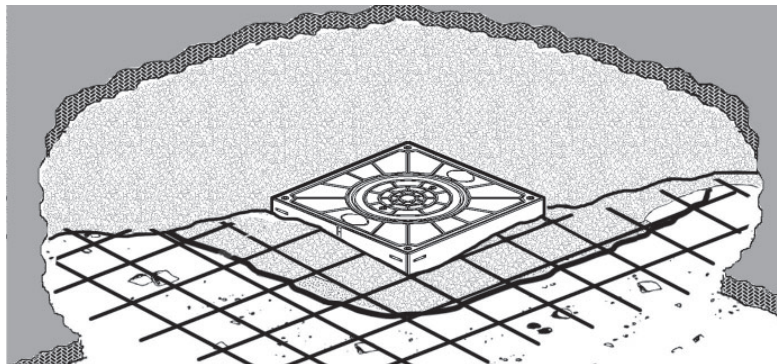


**G** FILL WITH SAND TO ~200 MM FROM THE ROAD SURFACE

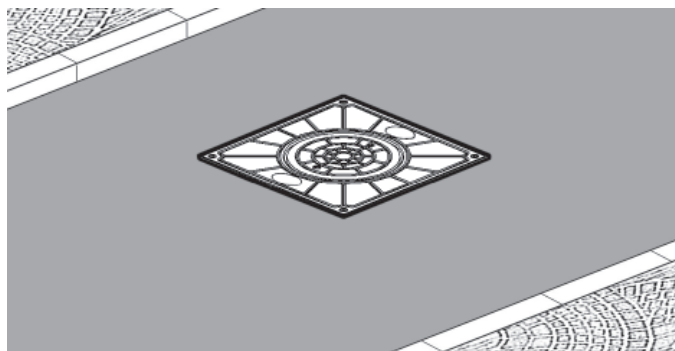


Protect with tape the opening where the cables are fed

**H** LAY THE ELECTROWELDED MESH AND FILL WITH CON-CRETE

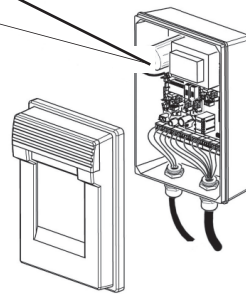
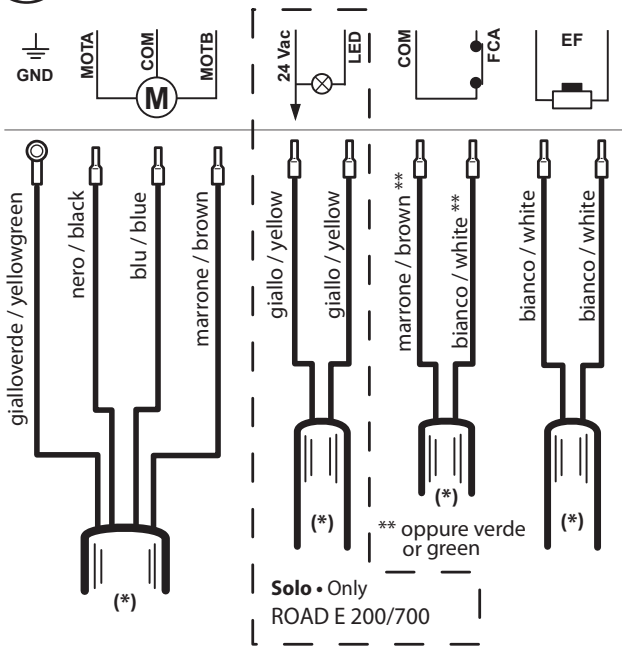


**I** FLOORING COMPLETION

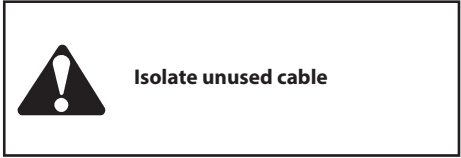


## L ELECTRICAL CONNECTIONS

### 1 ASROAD E



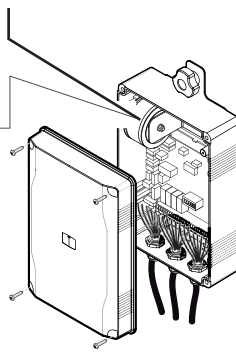
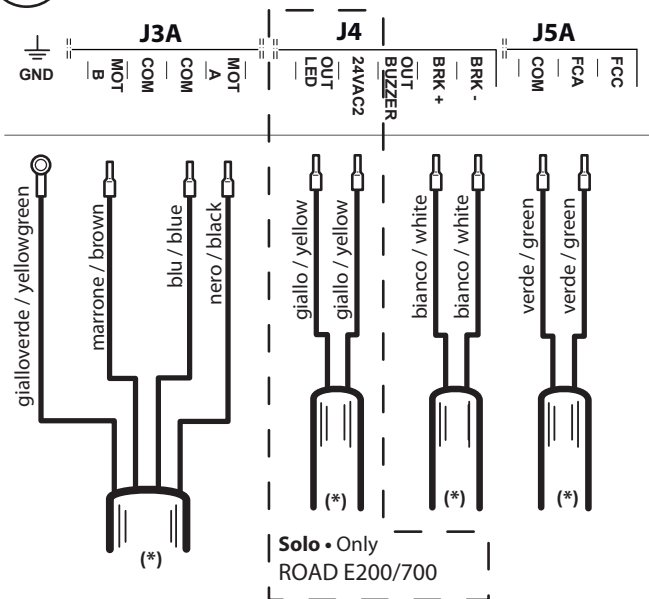
### ASROAD E



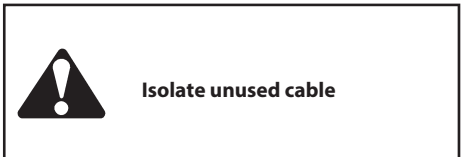
Consult the **ASROAD E** control unit's installation and operating manual.

(\*) Cable from bollard

### 2 ASROAD E



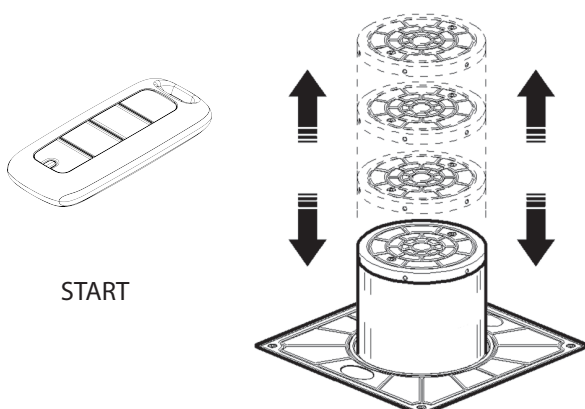
### ASROAD E



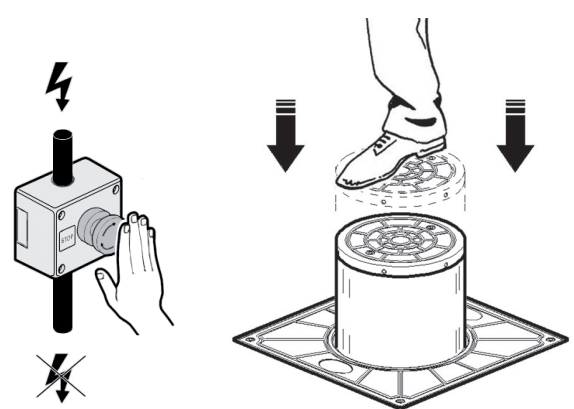
Consult the **ASROAD E** control unit's installation and operating manual.

(\*) Cable from bollard

### M STARTING THE DEVICE



### N EMERGENCY RELEASE





INSTALLATORE  
INSTALLER  
INSTALLATEUR  
INSTALLATEUR  
INSTALATOR

*DATA*  
*DATE*  
*DATE*  
*DATUM*  
*FECHA*

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