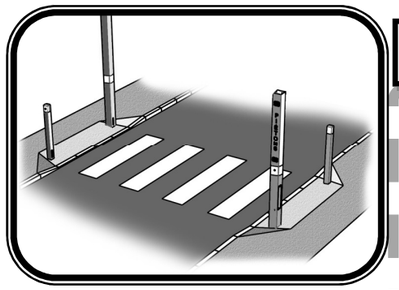
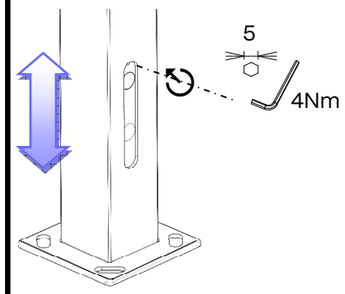
6/ Settings

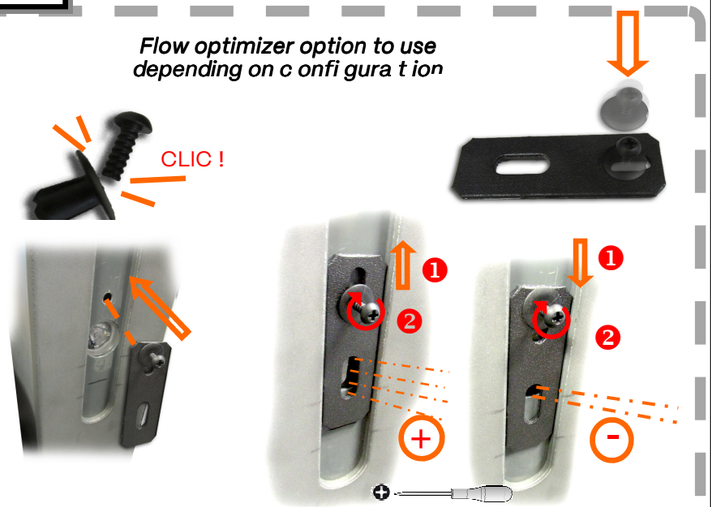
Work under tension shall only be performed by authorized persons.

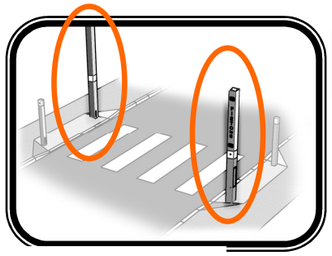


14 Adjust the height of the bottom spotlights



Flow optimizer option to use depending on c onfi gura t ion





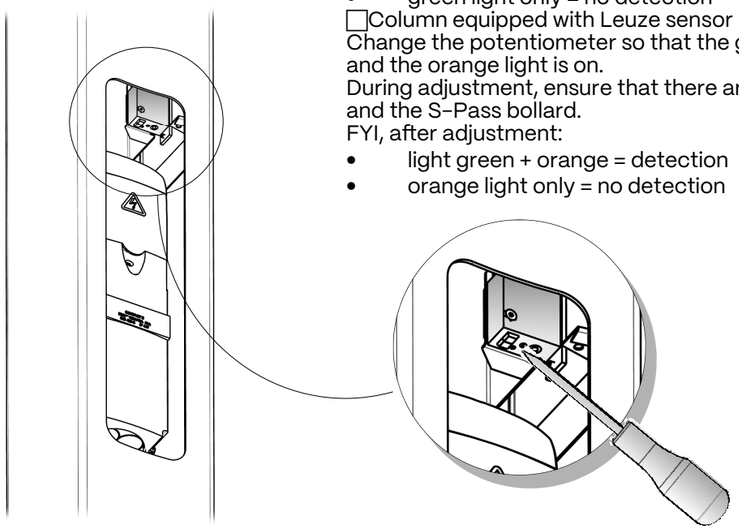
15 Adjust sensors.

☐Column equipped with panasonic sensor
Change the potentiometer so that the red light on the sensor is off and the green light is on.
During adjustment, ensure that there are no obstacle between the sensor and the S-Pass bollard.
FYI, after adjustment:

- light red + green = det ection
- green light only = no detection

☐Column equipped with Leuze sensor
Change the potentiometer so that the green light on the sensor is off and the orange light is on.
During adjustment, ensure that there are no obstacle between the sensor and the S-Pass bollard.
FYI, after adjustment:

- light green + orange = detection
- orange light only = no detection

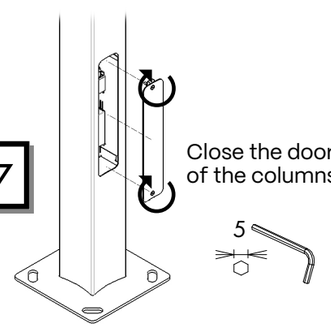


16 Other settings are possible from the MGBS mounted in the S-Pass+ columns:

- Illuminated texte (power and flashing)
- Higher spotlight (flashing)
- Sensor (activation and timing)

Refer to the MGBS instructions

17 Close the doors of the columns



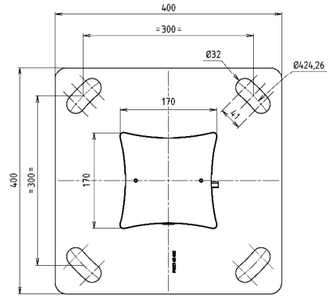
abel

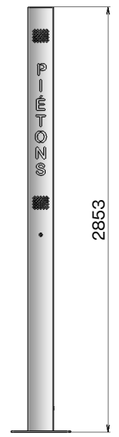
Installation and wiring instructions
S-PASS+ column

CL II equipment
Bollard with earth connection
Indica t io n for the implementation of a lightning arrester : category 1 electronic equipment

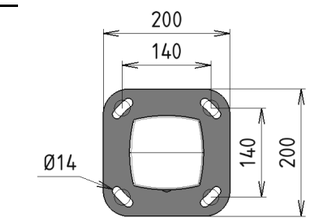
Ta25°C IP44 IK 10 Optics maintenance

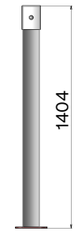
S-PASS+ column (x2)

HEIGHT	2853 mm
WEIGHT	Contact us
POWER	**Max 39W(one side)/44w max (two sides) Power factor 0.95@55W**
SCX	0.47m²
MOUNTING PLATE	



S-PASS bollard (x2)

HEIGHT	1404mm
WEIGHT	Contact us
POWER	4W **Power factor ≥ 0.90**
SCX	0.18m²
MOUNTING PLATE	



Technical data

Equipments

- 2 S-Pass bollards equipped with:
  1 bottom LED spotlight 24VDC/3W + 1 higher LED spotlight 24VDC/1W,
  a connection terminal block with a capacity of 2 cables of 5x1.5 mm² (24V+control signals).
- 1 column S-Pass+ 24V
  1 illuminated texte 24V 15W 24V max 27W (one side)/ 32W (two sides) (adjustable),
  1 bottom LED spotlight 24VDC/3W + 1 higher LED spotlight 24VDC/1W,
  A sensor 24VDC/1W + 1 MGBS MGBS 24VDC/1W . Detector cut by pedestrian: dynamic lighting turns on.
- 1 column S-Pass+ 230V/24V very low safety voltage (SELV) supply
  1 illuminated texte 24V 15W 24V max 27W (one side)/ 32W (two sides) (adjustable),
  1 bottom LED spotlight 24VDC/3W + 1 higher LED spotlight 24VDC/1W,
  A sensor 24VDC/1W + 1 MGBS MGBS 24VDC/1W . Detector cut by pedestrian: dynamic lighting turns on.
  1 power supply 230VAC / 24VDC (6W)

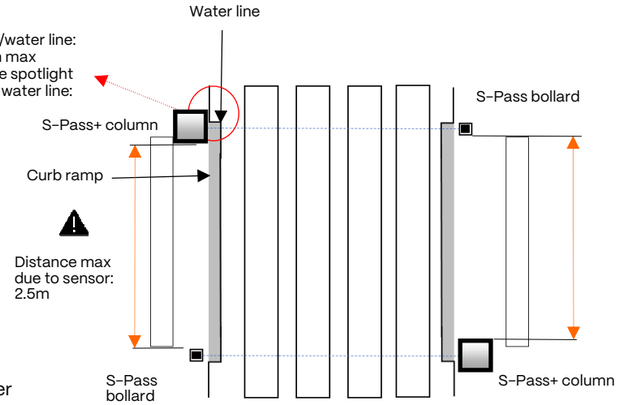
Wiring

The connection box is installed inside a bollard. In this case, this bollard must be connected to earth.
The protection against electric shock is based on the VERY LOW VOLTAGE safety (SELV) supply.

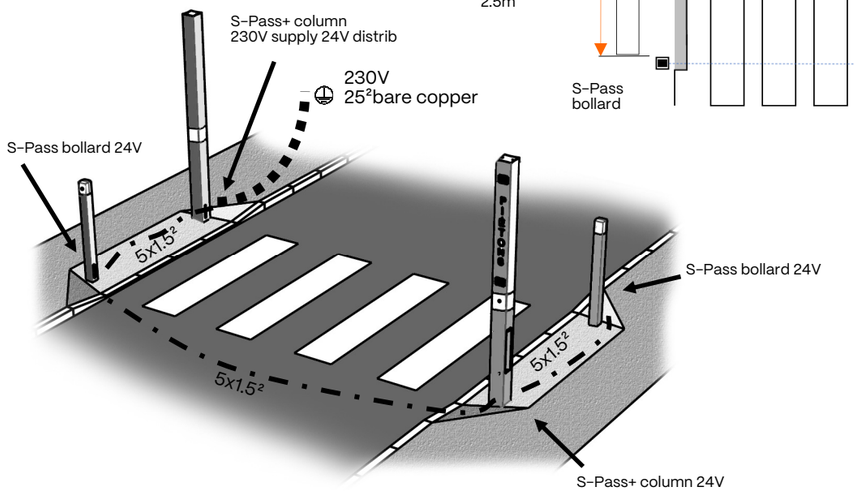
I/ Implementation and installation

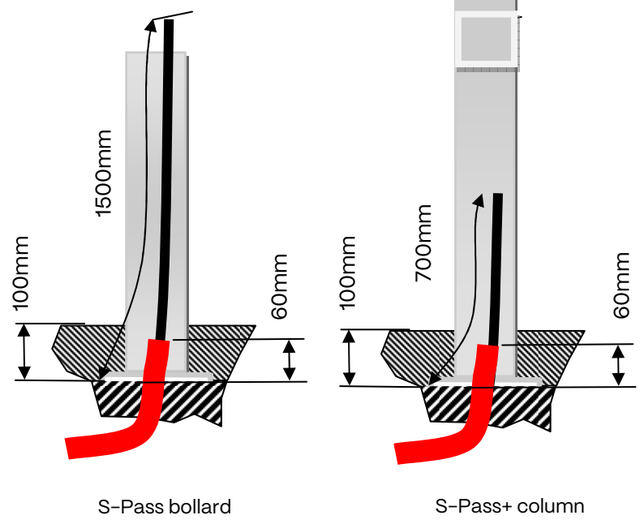
The bollards shall be installed at the edge of the curb ramp so that the beam does not extend outside the ground markings.

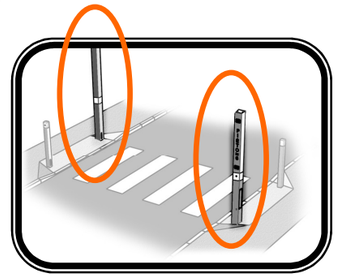
Distance bollard/water line:
20 cm mini et 1m max
Max height of the spotlight in relation to the water line:
30cm



<u>BLUE SPOTLIGHT:</u>
-Do not stare at the light source
-The luminaire shall be positioned in such a way that its prolonged viewing at a distance of less than 3.5m is not expected

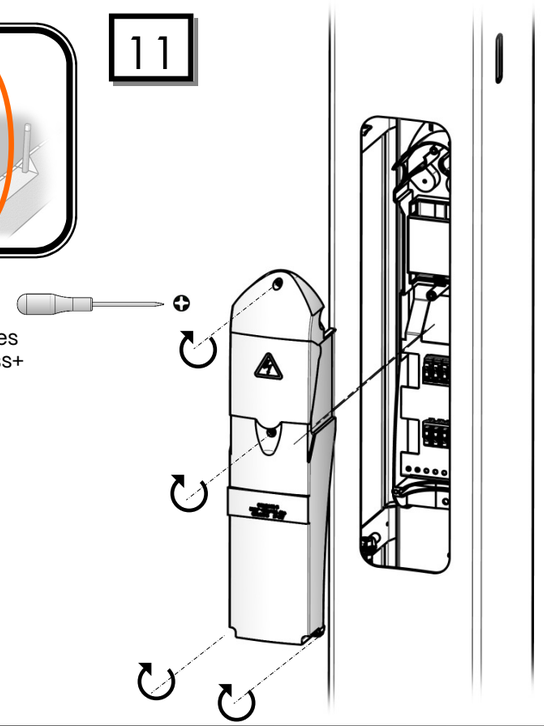


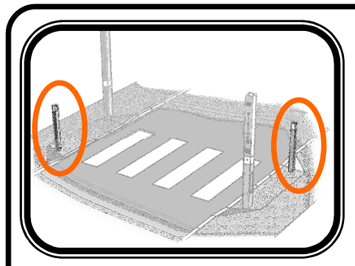




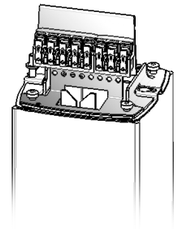
11

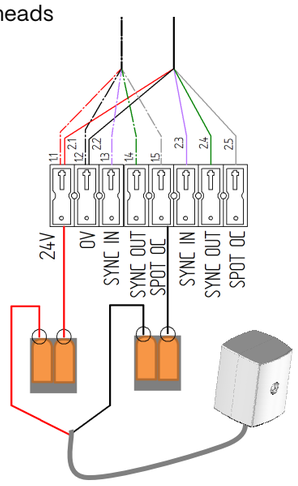
Close the boxes of each S-Pass+ column



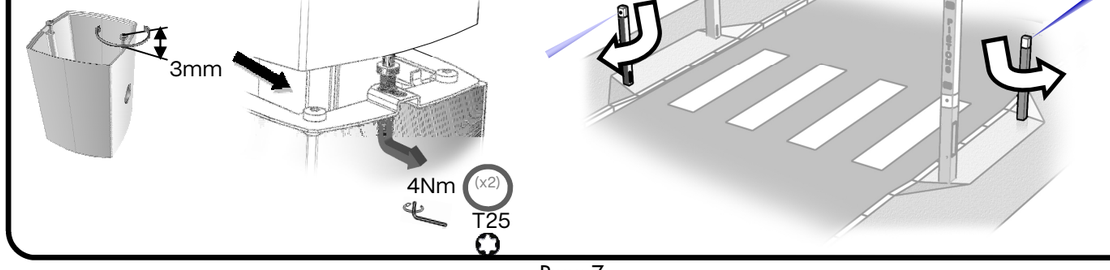


12 Connect the S-Pass bollard heads

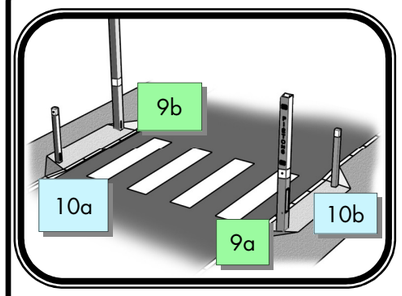




13 Fix the bollard heads

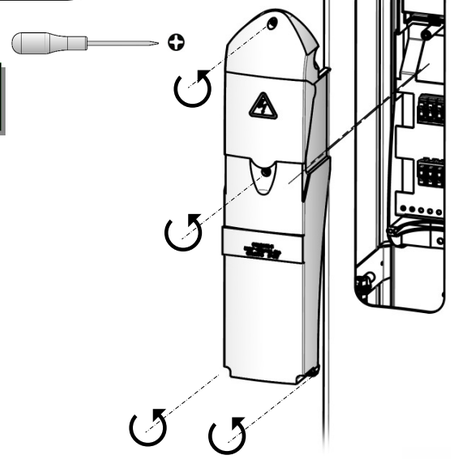


5/ Connecting the S-Pass+ lighting set

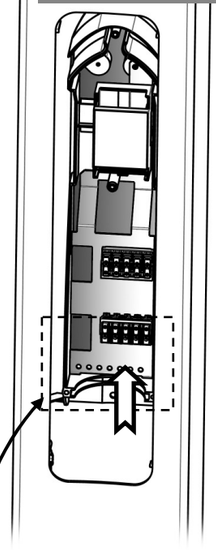


8

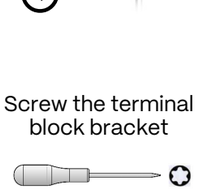
Open the boxes of each S-Pass+ column



9 a and b

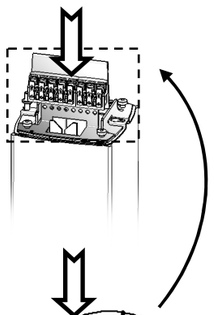


Screw the terminal block bracket



T25

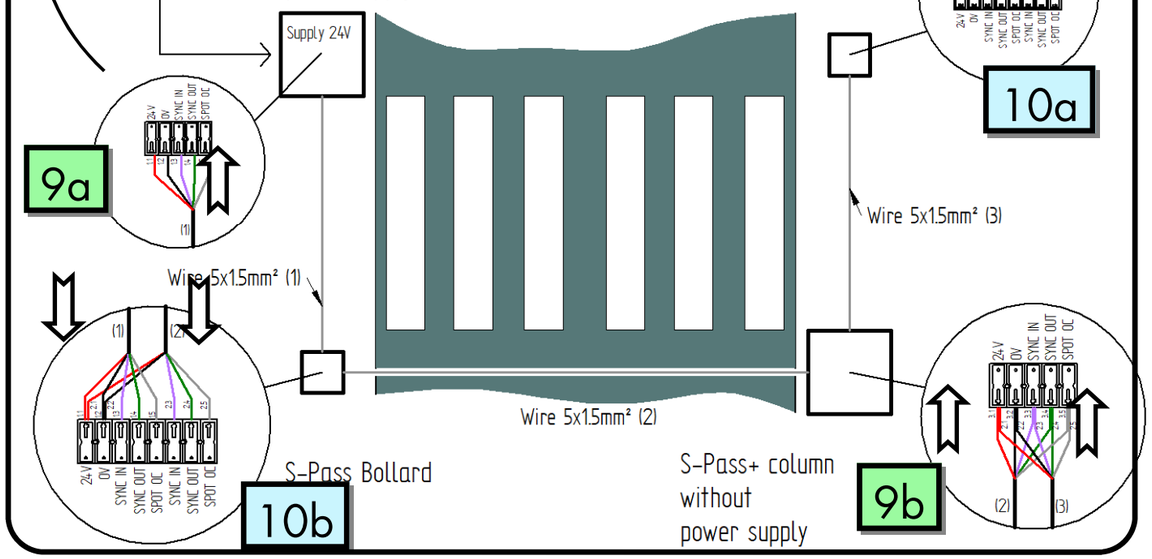
10 a and b



230V public lighting network

S-Pass+ column with power supply

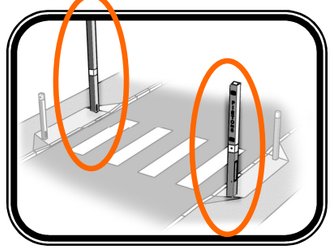
S-Pass Bollard



S-Pass Bollard

S-Pass+ column without power supply

2/ Installation of S-Pass+ columns



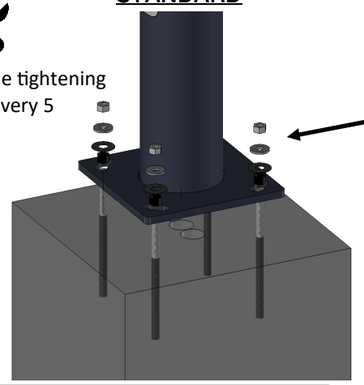
PAY ATTENTION TO THE ORIENTATION OF THE COLUMN:
wiring access hatch shall be on sidewalk side

1

Fixing
Tighten with torque wrench: (M24 : 559Nm).
Isolate the mast sole from the threaded rods usi ng the washers and spacers provided
Threaded anchor rods nor supplied.
Grease the screws to prevent corrosion.

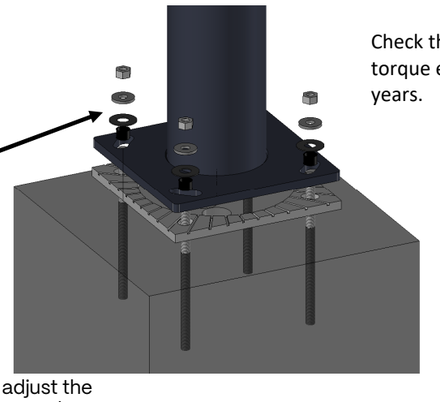
STANDARD

Check the tightening torque every 5 years



- Nut
- Washer
- Nylon washer (provided)
- Insulating spacer(provided)

ON SEMI-RIGID SOLE



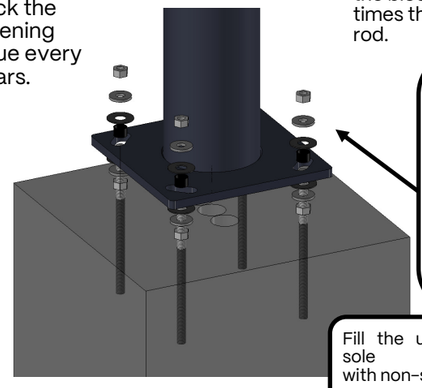
- Nut
- Washer
- Nylon washer (provided)
- Insulating spacer(provided)
- Semi-rigid sole

Check the tightening torque every 5 years.

It is possible to adjust the verticality of the mast.
The space between the sole and the block must not exceed 4 times the diameter of the anchor rod.

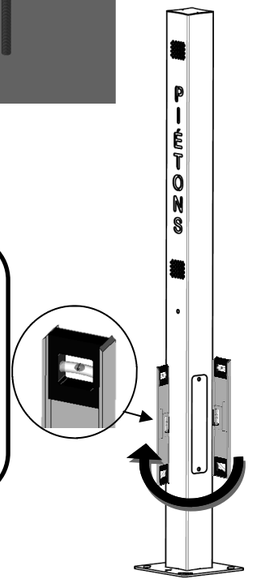
ON STILTS

Check the tightening torque every 5 years.

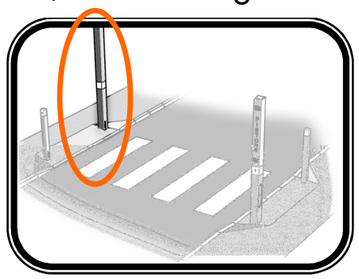


- Nut
- Washer
- Nylon washer (provided)
- Insulating spacer(provided)
- Nylon washer (provided)
- Washer
- Nut

Fill the underside of the sole with non-shrink mortar

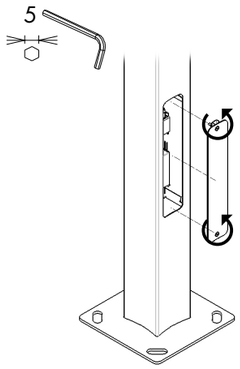


3/ Connecting the S-Pass+ column 230V supply 24V distrib



2

Open the door of the two columns



Replaceable control gear by a professional

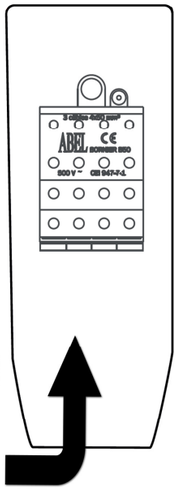
Electrical installation work must only be carried out by qualified persons.

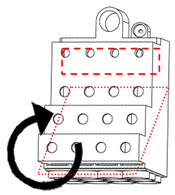
3

Grounding

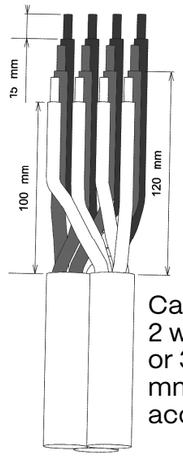
4

Mains connection



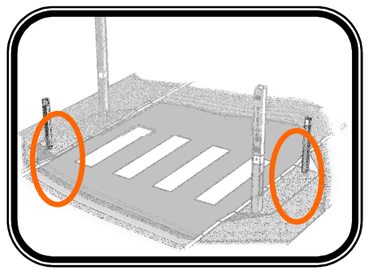


8 N.m max.



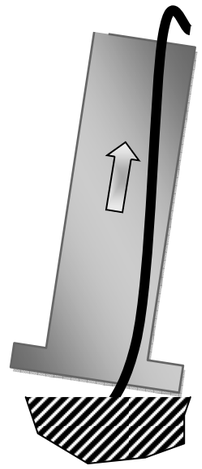
Capacity
2 wires of 4x35mm²
or 3 wires of 4x25 mm²
according to model

4/ Installing the S-Pass bollards



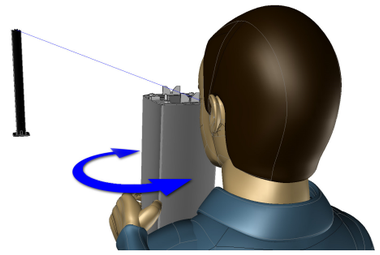
5

Drill the blocks and seal the threaded rods with chemical sealant.
Pass the cables through the bollard

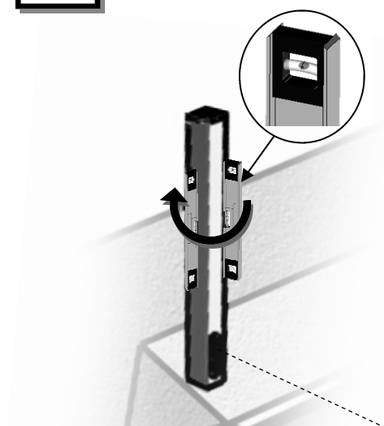


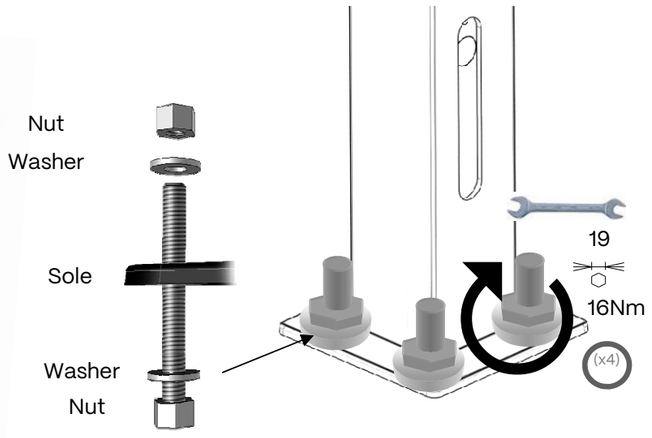
6

Align the bollards visually with the columns



7





Threaded rods for anchoring the bollards (screws provided M12X200)