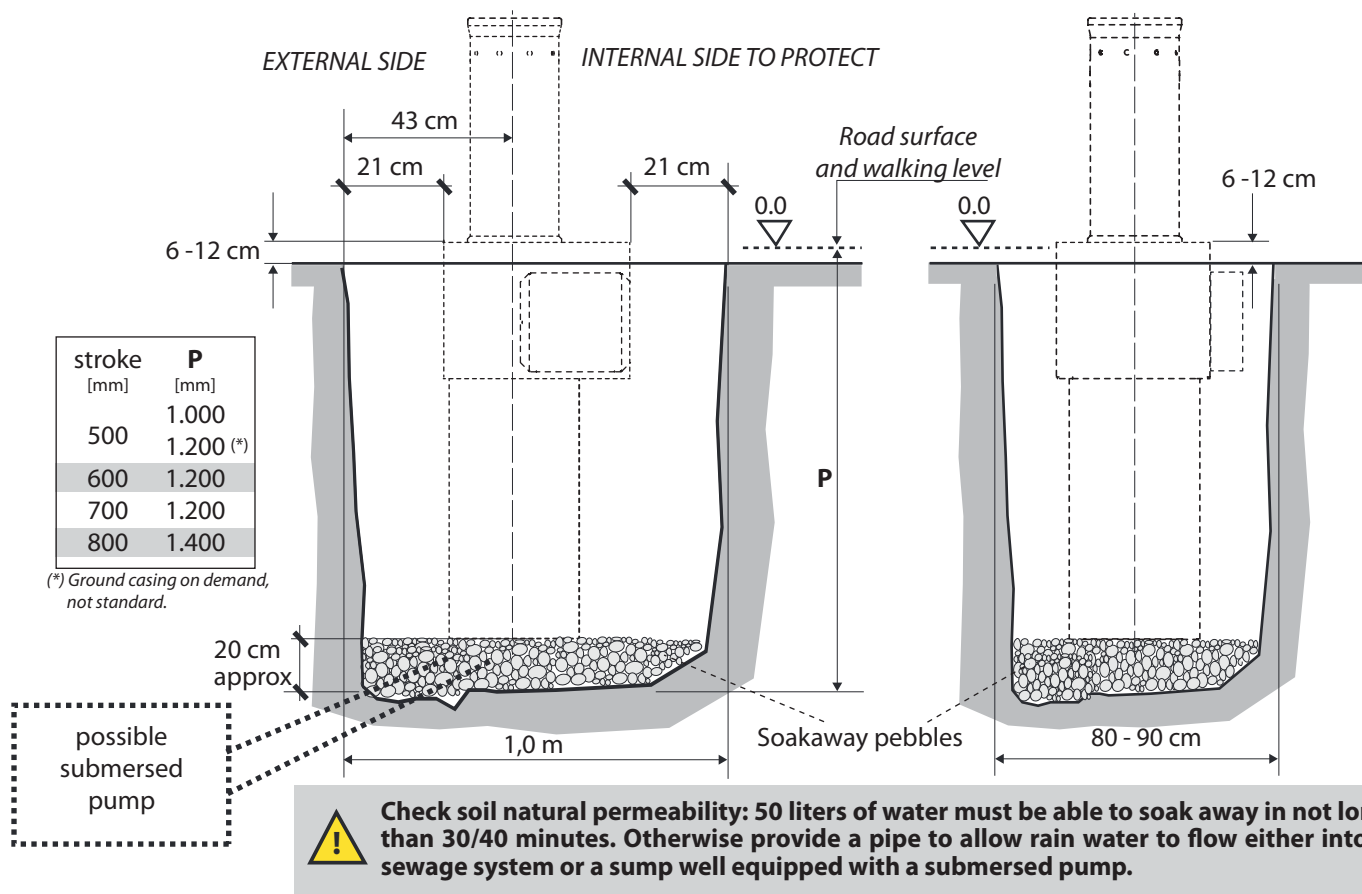


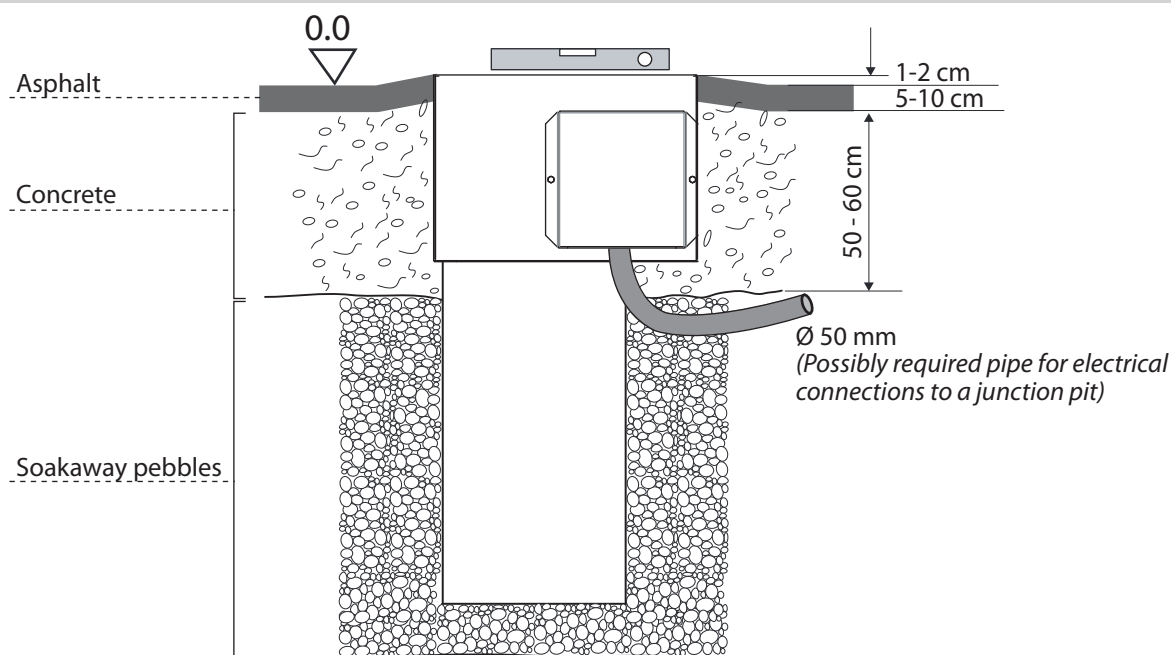
SEMI-AUTOMATIC TALOS - semiautomatic - with gas springs

EXCAVATION FOR CASING EMBEDDING



ENCLOSURE INSTALLATION AND FIXING

! The upper level of the foundation casing is to be 1-2 cm higher than the surrounding walking surface, in order to limit the amount of water that may get inside it. Cast concrete all around the casing up to 5-10 cm from walking level. Wait all the time required for concrete to set firmly (at least 7 days) and complete the finishing of the road surface.



IT IS MOST IMPORTANT THAT THE CASING IS 1-2 cm HIGHER THAN AREA FINISHED LEVEL. IN NO WAY THE TALOS IS TO BECOME A WATER GATHERING BASIN. AVOID AREAS WHERE SOIL TENDS TO SAG TO PREVENT THE BOLLARD FROM BEING FLOODED. IN CASE OF SNOW, THE FLAT SURFACE OF THE COVER PLATE CAN BE EASILY CLEARED EVEN BY HEAVY MECHANICAL MEANS.

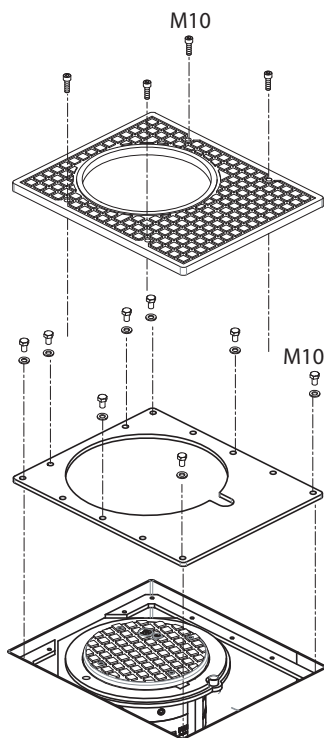
SEMI-AUTOMATIC TALOS - semiautomatic - with gas springs



Follow these steps in case the inner assembly is delivered at a later stage.

FIXING THE BOLLARD IN THE CASING

Once the casing is set in concrete, insert the bollard inner assembly and screw down the cover plates.



SEMI-AUTOMATIC TALOS FUNCTIONING

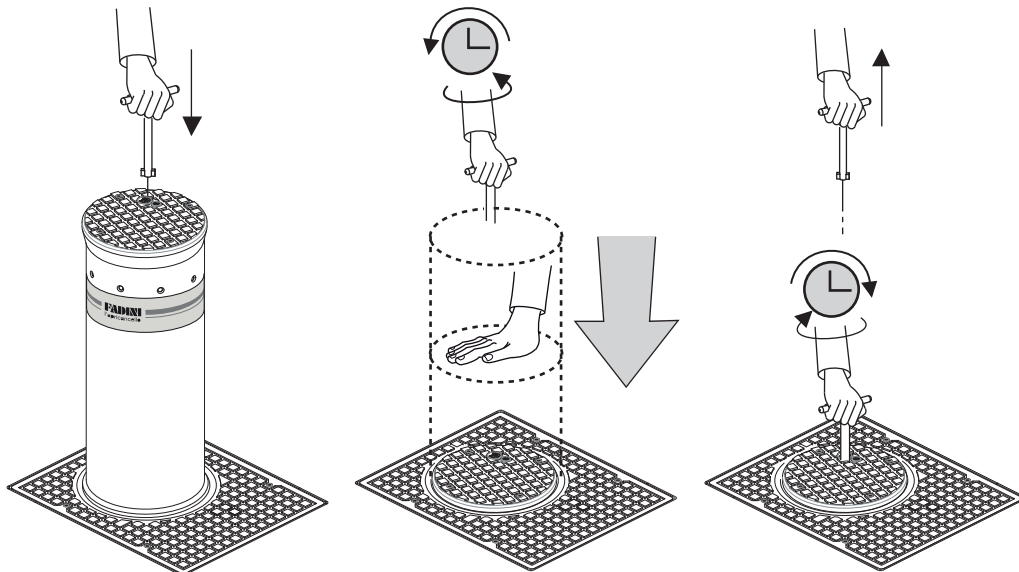
Lowering the post:

- Insert the shaped spanner into the lock under the post cover.
- To **unlock** turn the spanner **anti-clockwise** and lower the post manually.
- When the post is completely lowered, to **lock** the post in down position and be allowed to **remove the spanner**, turn it **clockwise**.

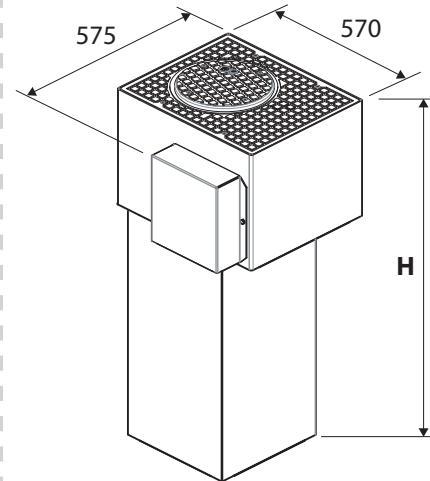
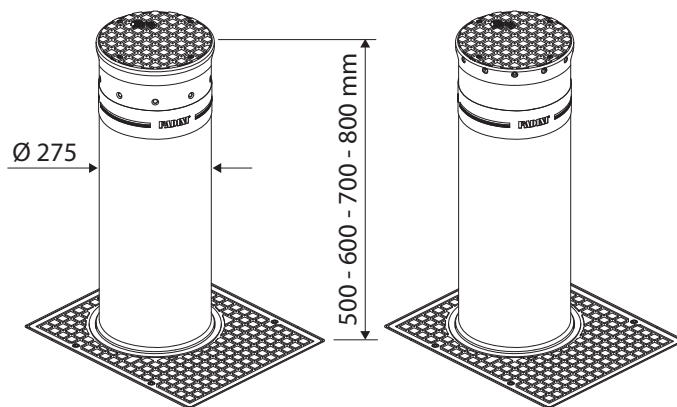
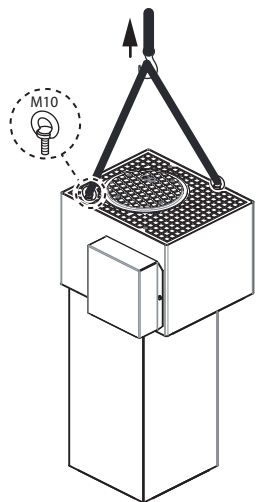
Resetting the post:

- Exert first some pressure on the post cover to facilitate unlocking.
- Insert the spanner and turn it **anti-clockwise** to **unlock**.
- The bollard goes up autonomously all the way up; then it locks itself automatically in the standing position.
- **Remove the spanner.**

NOTE WELL: rising starts at a slower pace over the first centimeters and speeds up reaching the final stop at standard pace, and snapping then automatically into locking position.



OVERALL DIMENSIONS AND TECHNICAL DATA



Post diameter	Ø 275 mm
Post thickness	4 mm
Post height	500/600/700/800 mm
Post material	S235JRH steel
Post finish	polyester powder coating RAL 1028
Cover sleeve material inox version	AISI 304 brushed
Foundation casing	hot dip galvanized
Impact resistance	52.000 J
Breakout resistance	320.000 J
Max static load	20.000 kg

Post height (mm)	Casing height H (mm)	Total weight of bollard (kg)
500	830	167
600	1.010 (*)	174
700	1.010	185
800	1.210	192
		205

(*) Ground casing on demand, not standard.

SEMIAUTOMATIC TALOS - semiautomatic - with gas springs

OPERATIONS FOR ORDINARY ROUTINE MAINTENANCE OF FADINI SEMIAUTOMATIC BOLLARDS (EVERY SIX MONTHS)

The standard maintenance routine sequence is as follows:

- Clean the ground cylinder and remove dirt by a vacuum cleaner.
- Clean water drains located at the bottom of the ground cylinder and/or excavation pit.
- Check the screws fastening the bollard to the ground cylinder, making sure they are properly tightened and lubricated.
- Check the correct functioning of the gas springs (if any are fitted) and/or the levers system inside the bollard for unlocking and bollard removal from its seat.
- Check the release system for bollard manual operations.
- Clean and recondition the rising cylinder if required, e.g.: paint patching up, replacing the retroreflecting approved sticker and /or the cover fitted with rubber edge.

Routine maintenance does not require the use of lifting equipment.

WARRANTY RECOMMENDATIONS AND REQUIREMENTS

- 1) Installation operations, testing, analysis of the risks and future maintenance are to be executed by qualified and authorized technicians in compliance with the existing regulations (www.fadini.net/supporto/download).
- 2) This automatic system is intended to be exclusively used for the applications described in this manual.
- 3) Any application not indicated in this manual may cause malfunctioning or damage to people and properties.
- 4) Make sure the soil is adequate to take the bollard to avoid that settling at a later stage causes problems to the system.
- 5) Make sure the site is free from utilities that may interfere with it.
- 6) In case any components or accessories need replacing, use only original parts as provided by the manufacturer.
 - Observe the instructions in the instruction booklet for both installation and scheduled maintenance. Every inspection must be documented and recorded in the maintenance booklet. The recommended preventive maintenance work must be carried out in good time.
 - Always check that the ground where the bollard is to be installed is suitable for laying and cementing.
 - Avoid installation near sandy places (beaches, etc.), unless proper maintenance/cleaning is planned.
 - Identify the suitable bollard according to the installation site, checking for the presence of pipes (underground utilities), salt spray, etc.
 - Check the natural permeability of the ground: 50 litres of water should drain off in no more than 30/40 minutes. If this is not the case, provide for the rainwater to drain away by means of a pipe connected to the drainage system or to another sump equipped with a drainage system with a submersible pump.
 - Check that the installation site respects the bollard's operating temperatures indicated in the manual and that the frequency of use complies with the specified data.
 - Check water tables: these must be at least 30 cm lower than the base of the bollard foundation box. This check is particularly important near the sea, rivers, lakes or other watercourses.
 - If the bollard is installed in the vicinity of a roadway, to limit access to a gap or to interrupt a roadway, it must be appropriately marked.
 - If installed in the middle of the carriageway, check the flow of HGV traffic and position the bollard so as to avoid continuous passing over it.
 - Do not install the bollard in basins or at the end of a downhill slope to prevent the accumulation of sewage. Provide drains to prevent this problem.
- 7) The installer shall inform the final user of the dangers coming from the presence of persons, especially children, in the proximity of the bollard.
- 8) The manufacturer reserves the right to change this manual without previous notice.

As far as configuration and execution of the system are concerned, these are to comply with the laws in the country of installation.

PRODUCT SPECIFICATIONS

Semiautomatic bollard, fully disappearing, consisting of pushing gas springs inside the moving cylinder, operated by a specially designed release spanner. Suitable for applications in private, commercial areas, and urban installations. The height of the moving cylinder (from ground) is 500/600/700/800 mm. Moving cylinder made of S235JRH steel, thickness 4 mm and Ø 275 mm, cathodolysis treated and powder coated. AISI 304 brushed stainless steel cover sleeve available for the rising cylinder. Rubber ring on moving cylinder head. Moving cylinder fitted with high intensity, micropismatic, retroreflecting approved sticker (h 80 mm). Ground sleeve made of hot dip galvanized steel, walkable and carriageable cover. Breakout resistance 320.000 J.



Meccanica Fadini is not liable for any possible damage derived from incorrect use or from any use not indicated in this manual, furthermore it is not answerable for malfunctioning caused by the use of materials or accessories not approved by the company itself. It is to be noted that the product respects the breakout resistance values as indicated provided that the installation of the same is carried out in observance of the specifications included in this manual of instructions. Various factors are to be carefully taken into consideration such as compaction index, soil permeability coefficient, concrete type, which may affect the indicated values even significantly.

VERSION WITH LEDS FITTED ONTO THE COVER-RUBBER EDGE ASSEMBLY

As from week 28/2019 it will be available the TALOS in the version with Nos. 12 led lights fitted onto the cover-rubber edge assembly of the rising cylinder head.

This version replaces the correspondent model with Nos. 9 led lights in the top of the rising cylinder.

This technical improvement will not affect in any way the performance or the functional features of the bollard.

For a correct installation always refer to all the indications and figures shown in this installation manual.