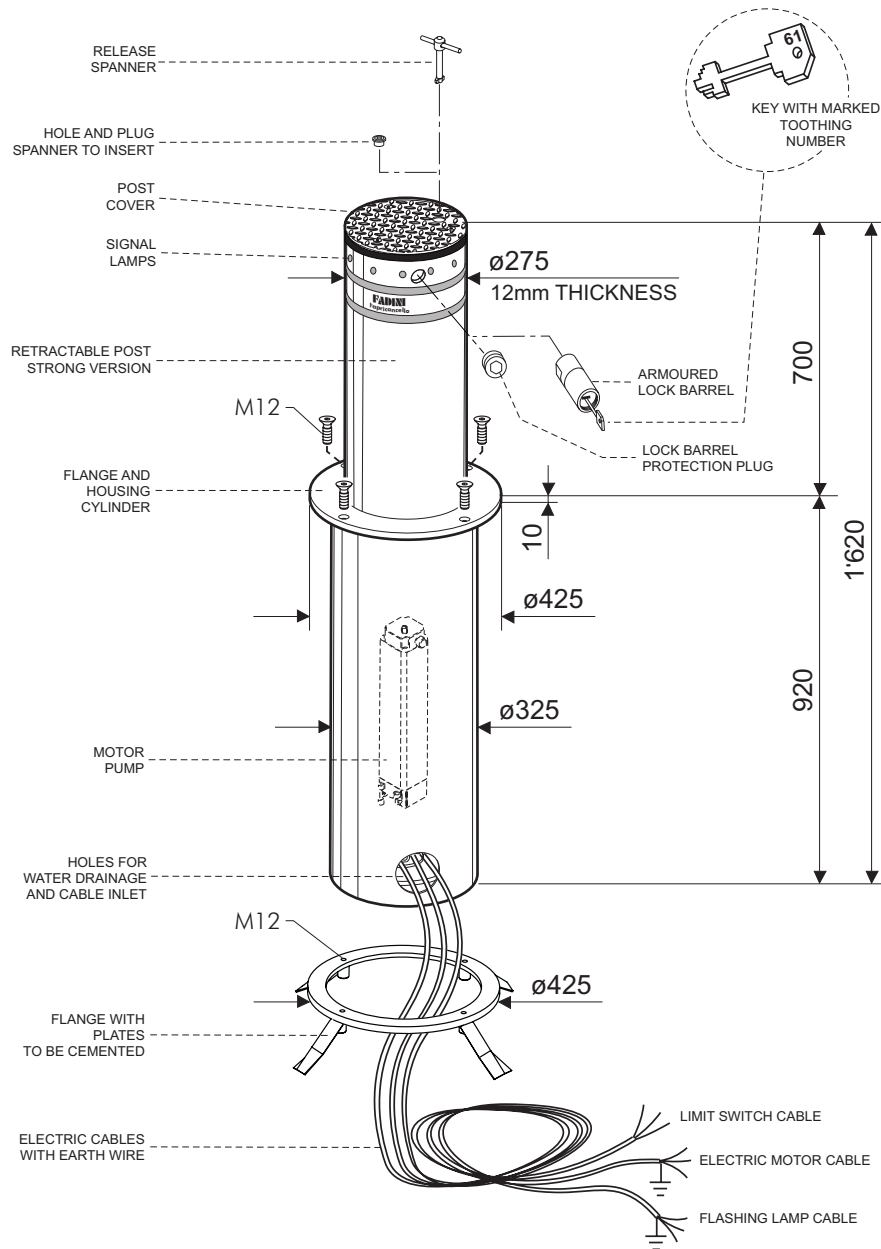




GB

“STRABUC 930 STRONG” is an electro-hydraulic mechanism to be cemented into the ground and consists of an armoured, heavy post to be raised in front of shop windows, banks and other places that require protection against ram raiders or access control. The component parts include a collar fitted with four plates to be embedded into a concrete setting and a flanged cylinder made of galvanized steel. Inside the cylindrical enclosure there are the post, the motor pump, the oil-hydraulic actuator, 3 red lamps and all the electrical cables that are required to electrically operate the system. The electronic control panel “Elpro 10 PLUS CEI” incorporates all the features that are needed to perform the pre-set functions as required. Options for command pulses from a distance can be provided either by remote control or keyswitch. It is recommended to install the control box outside the mechanism, preferably in a dry place, sheltered from atmospheric agents. The motor pump is connected to the actuator by means of rigid copper pipes. The mechanism is designed to allow the vertical movements of the post. For safety reasons, while the system works and the post is raised or lowered, the incorporated lamps illuminate either fixed or blinking, as a warning signal. Suitably designed guide rods inside the cylinder allow the piston to travel the permitted stroke very smoothly, without jerking and vibrations. The valve block, inside the motor pump unit, connects the electric motor to the pump and is fitted with pressure valves to control oil pressure, ie. thrust power in both travelling directions of the post. For the manual operation of the bollard “STRABUC 930 STRONG”, it is possible to override the hydraulic mechanism by means of a special device which is protected by a burglar-proof lock barrel. This is to be removed first to allow that a special spanner can be inserted to release the system from the top. Armoured “STRABUC 930 STRONG” is produced and tested in the workshops of Meccanica Fadini, a guarantee of time tested reliability.

## TECHNICAL SPECIFICATIONS

### HYDRAULIC MOTOR PUMP

|                       |                 |
|-----------------------|-----------------|
| Hydraulic pump        | P10             |
| Pump flow rate        | 4.45 l/min.     |
| Mean working pressure | 2 MPa (20 bars) |
| Max. pressure         | 4 MPa (40 bars) |
| Working temperature   | - 20°C +80°C    |
| Oil type              | OIL A15 by AGIP |
| Static weight         | 10 Kg           |
| Protection standards  | IP 54           |

### ELECTRIC MOTOR

|                      |                   |
|----------------------|-------------------|
| Power output         | 0.25 KW (0.33 HP) |
| Supply voltage       | 230 V             |
| Frequency            | 50 Hz             |
| Absorbed current     | 1.8 A             |
| Absorbed power       | 370 W             |
| Capacitor            | 20 µF             |
| Motor rotation speed | 2'800 giri/min.   |
| Intermittent service | S3                |
| Lamp power supply    | 230 V – 25 W      |
| Individual lamp      | 12 V – 7 W        |

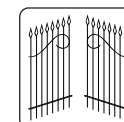
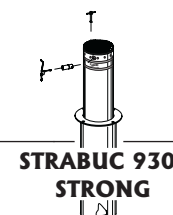
### OIL-HYDRAULIC ACTUATOR

|                             |                             |
|-----------------------------|-----------------------------|
| Travel time                 | 10 sec.                     |
| Stroke                      | 740 mm                      |
| Shaft diameter              | 16 mm                       |
| Piston diameter             | 40 mm                       |
| Thrust power. Rise          | 250 daN                     |
| Max. thrust power           | 500 daN                     |
| Assembly weight STRABUC 930 | 180 Kg                      |
| Full protection standards   | IP 557                      |
| Colour STRABUC 930          | RAL 7016 - ANTHRACITE GREIG |

Duty cycle: 10 sec. Raising – 30 sec. Stop – 10 sec. Lowering  
 Time of one complete cycle: 50 sec.  
 No. of cycles (Rising – Stop – Lowering) per hour: 72 /hour  
 No. of cycles a year, 8 hours' service a day: 210'000

**CE** EUROPEAN MARK CERTIFYING CONFORMITY  
 TO THE ESSENTIAL REQUIREMENTS OF THE  
 STANDARDS 98/37/EC

**ARMoured RISING BOLLARD “STRONG” 930  
 FOR TRAFFIC CONTROL**



**FADINI**  
 the gate opener  
 made in Italy



Drwg. No. **3802**

**TECHNICAL SPECIFICATION TABLE**