



Various factors, such as the compaction index, soil permeability coefficient and kind of concrete may reduce the values indicated in the diagram even significantly.



FADINI
the gate opener
Made in Italy



Strabuc 930 Heavy Armoured is a fully retractable oil-hydraulic armoured bollard. Designed to meet those applications where confidence in protection is essential to tranquillity. Crash-resistant and tilting-proof to ensure maximum security and provide an ideal, ram raid preventing solution to protect garage doors, shops, store entries, banks, car saloons and in general all those areas wanting safeguard.

The retractable post is 12 mm thick, made of Fe steel, cathoporesis treated to prevent rust corrosion and finished with paint coating. The post is designed to vertically move in a flanged cylindrical housing (this is also made of Fe steel and hot dip galvanization treated), which is fixed into a foundation sleeve, ie. a cylindrical container (hot dip galvanization treated) set into the ground in a concrete foundation.

The up and down motions of the traffic control post are allowed by means of an inner electro-hydraulic mechanism consisting of a motor pump unit that vertically operates a piston inside an actuator supported by three guide rods. These have the purpose to steadily drive the post to the fully up and down limit positions of the piston stroke. Two electro-mechanical limit switches stop the motor unit when the post has reached either ends of the permitted stroke.

The post has 9 amber yellow LED lights radially fitted to the post upper end to flash while the post is moving up or down, or while it is standing to stop traffic. A back reflecting sticker, with red and white stripes, ensures full visibility of the post in daylight as well as in the dark, even in difficult weather conditions. A rubber protection around the post top prevents any danger from sharp edges.

A beeper can be fitted (on request) to acoustically signal only when the post is moving.

The optionals available include the armoured lock barrel that can only be removed using the personalised key, which lends the traffic post greater protection against forced entry. A solenoid valve can be fitted (on request) to the inner mechanism to by-pass the oil-hydraulic circuit and allows the post to lower automatically in an emergency situation in case of power failure.

A manual over-ride is standard, though, with the whole range of posts and allows the post to be lowered manually by means of a spanner in case of an emergency. This spanner has an end with a triangular socket in it to enable the emergency teams (the firemen for instance) to manually operate the post. It is factory fitted with 10 m cables.

The motor-pump, limit switches, led lights, beeper (if requested) and the solenoid valve (if requested) are pre-wired. An aluminium collar seals the gap between the post and the housing, and provides a stylish touch to the whole installation. Bench and severe field tests ensure reliability, longer life and impact resistance and confirm the high quality of Strabuc 930 Heavy Armoured in the product range of Meccanica Fadini.

TECHNICAL DATA

ELECTRIC MOTOR

Power output	0,25 kW (0,33 HP)
Supply voltage	230 Vac
Frequency	50 Hz
Absorbed power	330 W
Absorbed current	1,8 + 3,5 A
Max. current	6 A
Motor revolutions	2.800 rpm
External capacitors	20 µF - 12,5 µF
Service mode	S3

OIL-HYDRAULIC MOTOR-PUMP UNIT

Pump flow rate - P10	4,45 l/min
Working pressure	20 atm
Max. pressure	40 atm
Oil Type	Oil Fadini - Item 708L
Working temperature	-20 °C +80 °C (*)
Static weight of pump assembly	10 kg
Protection standards	IP 67

(*) -40 °C with specific optional accessories (Ref. General Catalogue).

HYDRAULIC ACTUATOR

Piston diameter	30 mm
Shaft diameter	16 mm
Stroke	700 mm
Pre-set Pushing Power	18 daN

FEATURES

Impact resistance	45.000 J
Crash resistance	410.000 J
Max. static load	20.000 kg
Bollard weight	180 kg
Post diameter	275 mm
Post height	700 mm
Post finishing	Powder coating polyester
	RAL 7016 Anthracite Gray
Post material	Fe 360 steel
Bollard thickness	12 mm
Ground sleeve treatment	Hot dip galvanization

CYLINDRICAL GROUND CONTAINER

Material	Sheet Iron
Treatment	Hot dip galvanization
Calendered sheet thickness	1,5 mm
Fixing flange thickness	10 mm
No.4 Bolts for plate fixing	M10x35
No.4 Washers for fixing bolts	ø 10
No.4 Fixing plates	40x10 plate
Complete weight	30 kg

PERFORMANCE

Frequency of use	very intensive
Service cycle	rise ~ 11,6 s
	dwell 30 s
	lower ~ 9,9 s
	dwell 30 s
Complete cycle time	~ 81 s
Complete cycles	
rise-dwell-lower-dwell	No.44/hour
Annual cycles (with 8 hours of use per day)	No.128.000

Drwg. No. 3802

TECHNICAL DATA TABLE

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OIL-HYDRAULIC RETRACTABLE POST
FOR TRAFFIC CONTROL

STRABUC 930
HEAVY ARMoured

