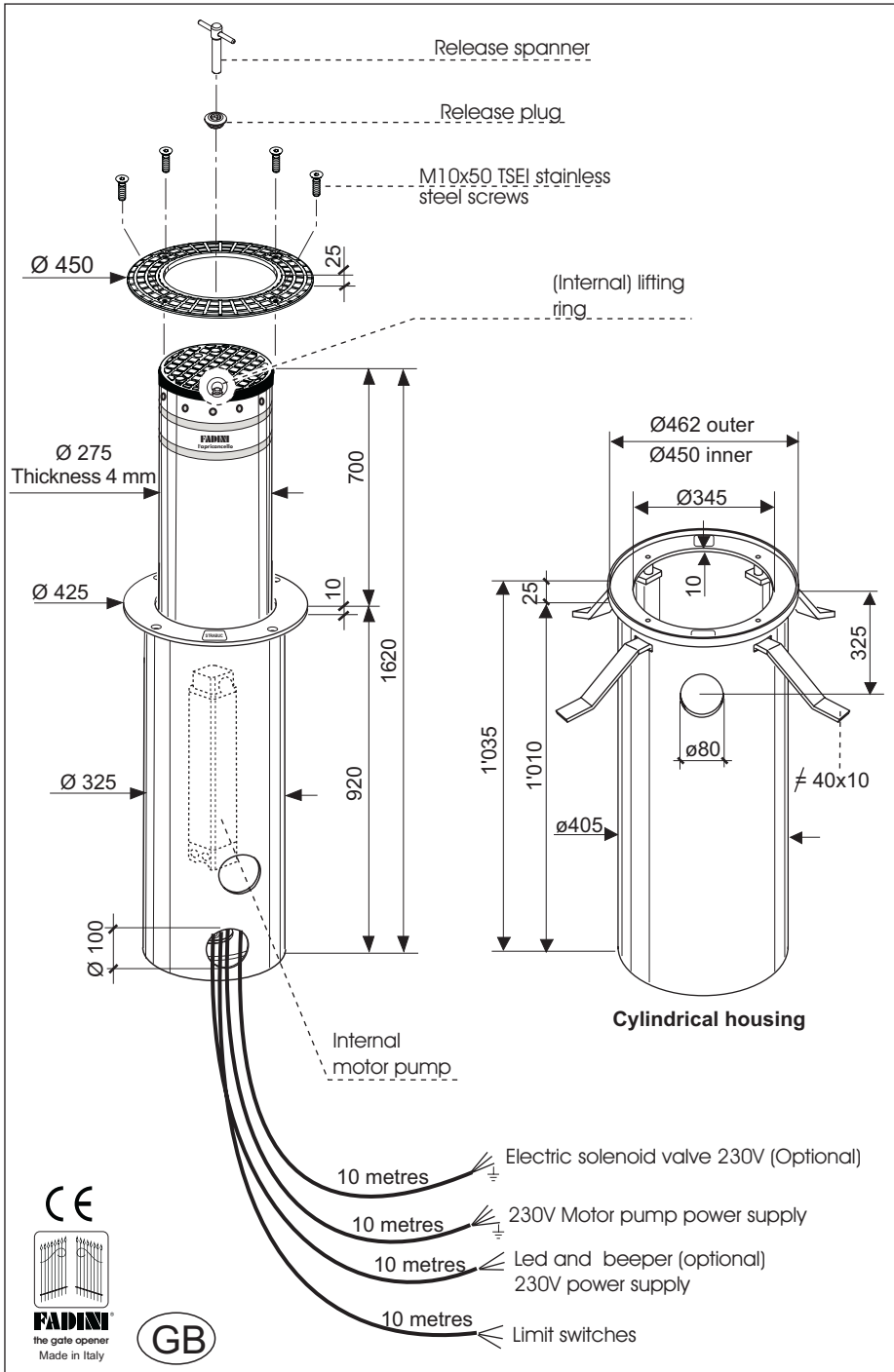

Strabuc 918 is a retractable cylindrical post designed to stop and control traffic access .
The retractable post is 4 mm thick, made of Fe steel, cataphoresis treated to prevent rust corrosion and finished with paint coating. The post is designed to vertically move in a flanged cylindrical housing (this is also made of Fe steel and cataphoresis treated), which is fixed into a foundation sleeve, ie. a cylindrical container set into the ground in a concrete foundation. An Aisi 304 stainless steel option of the post, named Strabuc 918 Inox, is also available in the range. 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 yellow 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.
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 918 in the product range of Meccanica Fadini.

TECHNICAL DATA

ELECTRIC MOTOR

Power Output	0.25KW (0.33HP)
Absorbed Power	330W
Supply Voltage	230V±10%
Frequency	50Hz
Absorbed Current	1.8A
External Capacitor	20µF
Motor revolution	2'800 rev/1'
Intermittent Service	S3

HYDRAULIC MOTOR-PUMP

Hydraulic Pump	P10
Pump Flow Rate	4.45 l /1'
Working Pressure	2 MPa (20bars)
Maximum Pressure	4 MPa (40bars)
Working Temperature	-20°C +80°C
Type of Oil	OIL A15 by AGIP
Static Weight	10Kg
Protection Standards	IP54

OIL-HYDRAULIC ACTUATOR

Piston Diametre	30 mm
Shaft Diametre	16 mm
Piston Stroke	740 mm
Travel Time	6 sec
Pre-set Pushing Power	18 daN

PERFORMANCE

Impact Resistance	10'000J
Maximum Load on Strabuc 918	20'000Kg

Duty Cycle: 6s Opening - 30s Dwell - 6s Closing:

Time of one complete cycle	42 seconds
Comp. Cycles Opening-Dwell-Closing	No.85/Hour
Cycles per year (8 hours'service per day)	No. 250'000

GENERAL FEATURES

Weight of Strabuc 918, Complete	128Kg
Complete Degree of Protection	IP557
Led, Solenoid Valve & Beeper Power Supply	230V 50Hz
Treatment to the structural elements	Cataphoresis

CYLINDRICAL GROUND CONTAINER

Material	Sheet Iron
Treatment	Cataphoresis
Calendered Sheet Thickness	1.5mm
Fixing Flange Thickness	10mm
No.4 Bolts for plate fixing	M10x35
No.4 Washers for fixing bolts	ø10
No.4 Fixing plates	40x10 plate
Complete Weight	25Kg

Drwg. No. 3070 | ***TECHNICAL DATA TABLE*** | **OIL-HYDRAULIC RETRACTABLE POST FOR TRAFFIC CONTROL** | **STRABUC 918** | meccanica FADINI