

# FIBO 300

# FIBO 400

- Electro-mechanical operator for heavy sliding gates
- Sheet steel protection enclosure suitable for addition of electric panel



**FIBO 400**  
2,2 KW (3,0 HP)

**FIBO 300**  
1,1 KW (1,5 HP)

GB



**FADINI**<sup>®</sup>  
the gate opener

# FIBO 300 - FIBO 400

## Electro-mechanical operator

**Fibo 300 (1,5 HP)**

**Fibo 400 (3,0 HP)**

**FIBO** is a secure and reliable three phase automation for heavy sliding gates.

Its compact sheet steel protection cover houses the gear motor unit, the power panel and the limit switches. The protection cover can only be accessed by using a customized key.

Fibo automation is available in the following versions:

Fibo 300 - 1.5 HP power for gates of max weight 2'500 Kg.

Fibo 400 - 3.0 HP power for gates of max weight 4'000 Kg.

This is a strong and reliable automation for intense opening/closing cycles thanks to its motor unit with worm-gear coupling, made of bronze and steel and supported by bearings, in an oil bath. The electrical motor is vertically mounted to allow an easy front installation of the power panel. The two limit switches, for the opening and closing movements, are water-proof and the outer gear, fixed directly to the main shaft by a key-way system, is made of steel.

The mechanical torque control device grants a safe, smooth and precise movement, with the possibility of adjusting it to the type of gate you need to operate.

Should the power supply be interrupted, a manual overriding system, by means of a supplied hexagonal spanner, allows manual gate operation. This system is housed inside the protection cover whose door can only be opened by a customized key. Every time the door is opened the power supply will automatically be disconnected by a mains cut off switch.

The ground fixing of the automation can be made by means of foundation plugs or by bolts (optional) to insert into the holes in the base plate. The base plate is also supplied with a hole for electric cable passage. The automation has all the necessary connections to ground. The control board, to be installed into a box inside the metal protection cover, allows all automatic and semi automatic opening and closing operations according to the logic of Elpro 10 PLUS control panel, by all Fadini control and safety accessories.



Release box spanner  
Fibo 400



Limit switch striking plates  
for Fibo 400



# FIBO 300

Fibo 300  
with protection cover,  
rear view

Fibo 300 rear view  
without protection cover  
and with the electric  
power panel (optional)

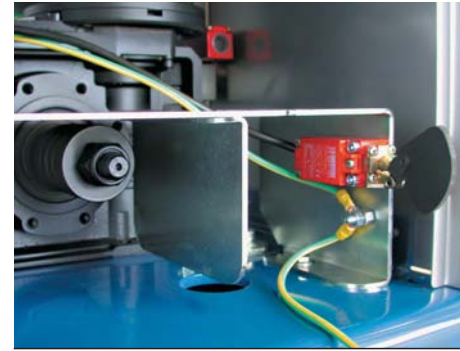
Fibo 300  
the protection cover can only  
be accessed by using a  
customized key.  
Inner view. Power panel with  
Elpro 10 PLUS programmer  
(optional)



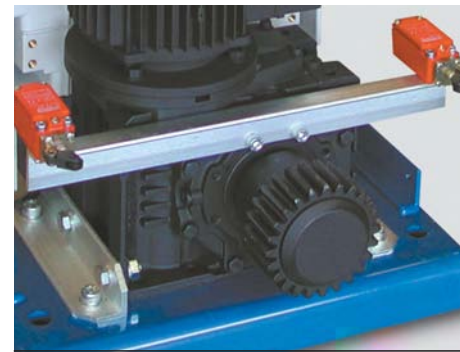
Release box spanner  
Fibo 300



Limit switch striking plates  
for Fibo 300



Detail of Fibo 300 manual release  
and mains cut off



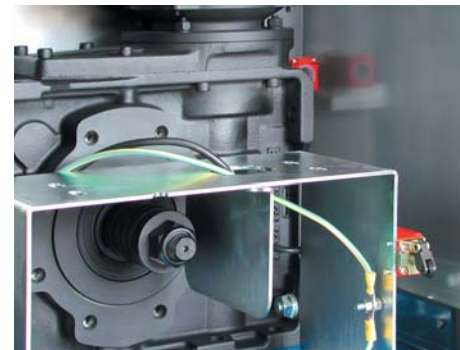
Detail of outer gear  
and limit switches

# FIBO 400

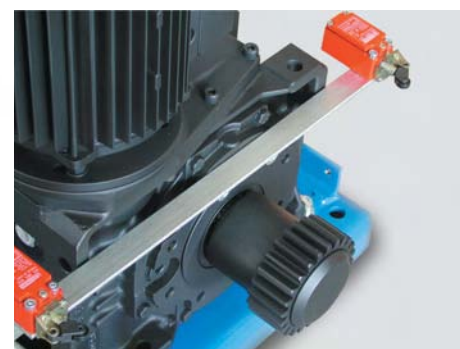
Fibo 400  
with protection cover,  
rear view

Fibo 400 rear view  
without protection cover  
and with the electric  
power panel (optional)

Fibo 400  
the protection cover can only  
be accessed by using a  
customized key.  
Inner view. Power panel with  
Elpro 10 PLUS programmer  
(optional)



Detail of Fibo 400 manual release  
and mains cut off



Detail of outer gear  
and limit switches

# FIBO 300-400 GATE OPERATORS

## Technical data

### ELECTRIC MOTOR

	FIBO 300	FIBO 400
Power output	1.1 KW (1.5 HP)	2.2 KW (3.0 HP)
Three-phase supply voltage	230/400 V	230/400 V
Frequency	50 Hz	50 Hz
Absorbed current	5.1 / 3 A	9.4 / 5.4 A
Absorbed power	1'500 W	2'800 W
Motor rotation speed	1'400 rpm	1'400 rpm
Intermittent service	S1	S3
Cooling	by fan	by fan

### GEAR ASSEMBLY

Output revolutions	40.7 rpm	33.8 rpm
Drive Gear	Z 24	Z 24
Module	4.0	4.0
Ratio	1 / 32	1 / 42
Maximum nominal torque	128 Nm	311.4 Nm
Transfer speed	12 m/min	10.2 m/min
Hydraulic oil type	AGIP ROTRA THT	AGIP ROTRA THT
Working temperature	-20°C +80°C	-20°C +80°C
Static weight	65 Kg	105 Kg
Protection standard	IP 557	IP 557

### FIBO 300 AND 400 PERFORMANCE:

Duty cycle:	25 sec. Open, 30 sec. Dwell, 25 sec. Close
Time for one complete cycle:	80 sec.
No. of complete cycles open-dwell-close:	45 / hour
No. of cycles a year, 8 hours a day:	131'000

## Accessories



Electrical power panel with Elpro 10 exp



PRIT 19 Keyswitch



POLO 44 Photocells



MIRI 4 - Flashing lamp with Birio aerial



ASTRO 43/1R Radio receiver



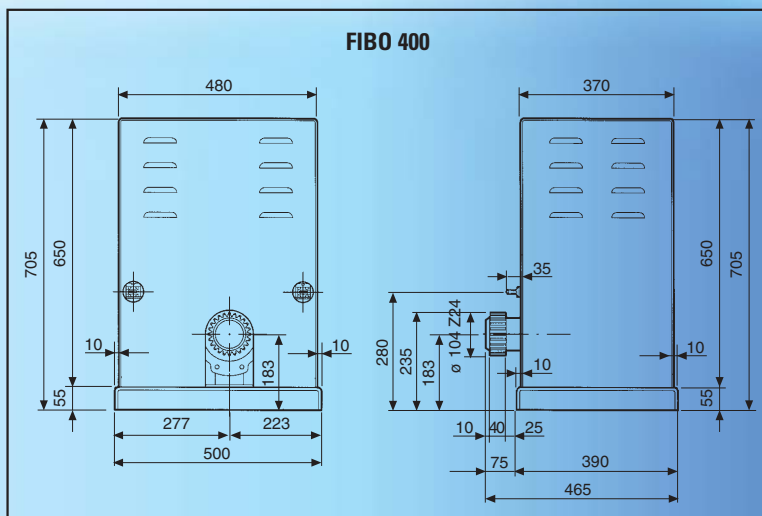
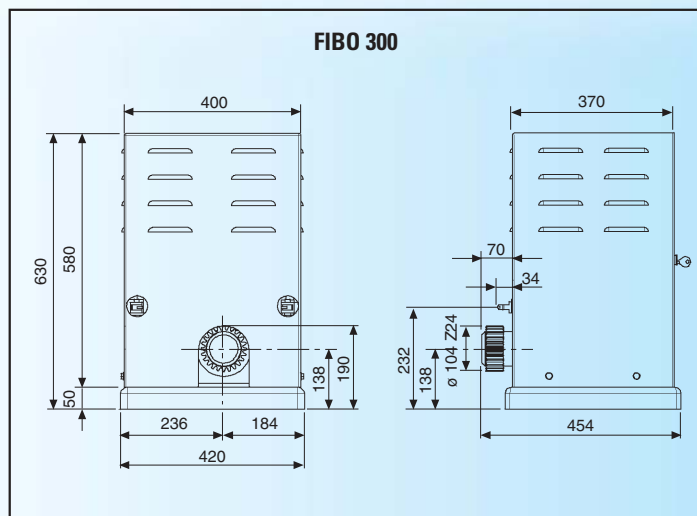
PULIN 3 External pushbutton switch



ASTRO 43/2 TR Small Transmitter



Double rack 30x12



Distributor's box

The manufacturers reserve the right to change the products without any previous notice



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

- DECLARATION OF CONFORMITY
- GENERAL WARNINGS
- CEI EN 60204-1 STANDARDS
- EN 12445 and EN 12453 STANDARDS
- WARRANTY CERTIFICATE ON THE CUSTOMER'S REQUEST

The "CE" mark certifies that the operator conforms to the essential requirements of the European Directive art. 10 EEC 73/23, in relation to the manufacturer's declaration for the supplied items, in compliance with the body of the regulations ISO 9000-UNI EN 29000. Automation in conformity to EN 12453, EN 12445 safety standards.

The growth of MECCANICA FADINI has always been based on the development of guaranteed products thanks to our "TOTAL QUALITY CONTROL" system which ensures constant quality standards, updated knowledge of the European Standards and compliance with their requirements, in view of an ever increasing process of improvement.



AUTOMATIC GATE MANUFACTURERS

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