

# FOIL P & FOIL S

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**OPERATORI ELETTROMECCANICI PER CANCELLI A BATTENTI**  
**ELECTROMECHANICAL OPERATORS FOR SWING GATES**  
**OPÉRATEURS ELECTROMECHANIQUES POUR PORTAILS A BATTANTS**

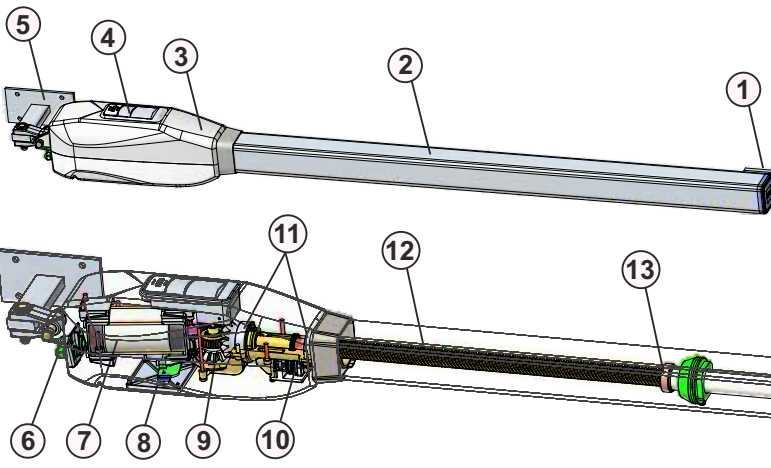


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# 1 FEATURES

**FOIL P** and **FOIL S** are electromechanical operators for swing gates, irreversible, safe and easy to install; **FOIL P** is equipped *with end support bracket* and allows to automate leaves with a maximum length of 6 m and maximum weight per leaf of 600 Kg; available in 230V, 24V or brushless 36V versions  
**FOIL S** is equipped *with underside support bracket* and allows to automate leaves with a maximum length of 4 m and maximum weight per leaf of 400 Kg; available in 230V, 24V or brushless 36V versions  
 All models are equipped with a **MANUAL RELEASE SYSTEM WITH KEY** that in case of emergency or power outage allows the manual movement of the leaf.  
 The version with **INTEGRATED ABSOLUTE ENCODER** is also available: the encoder detects the gate position and reverses in case of obstacles.

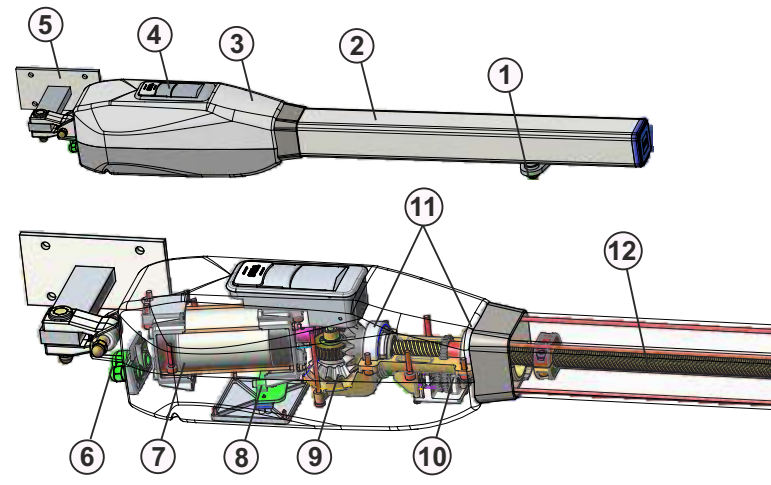
# 2 COMPONENTS



**FOIL P**

1 Front bracket	7 Motor
2 Shaft cover	8 Terminal block
3 Aluminum casing	9 Metallic bevel gear pair
4 Manual release	10 Absolute encoder
5 Rear bracket	11 Bearings
6 Electric cables outlet	12 Endless screw
	13 Lead screw barrel nut

Fig. 1

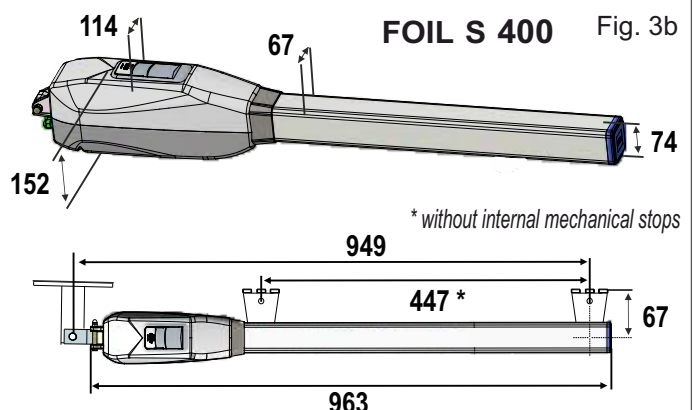
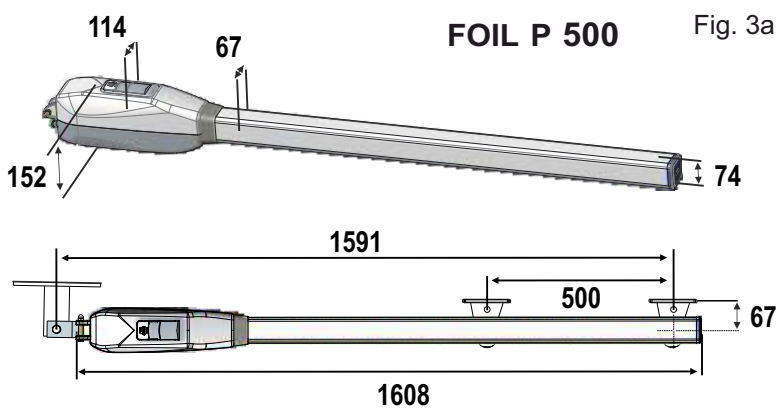


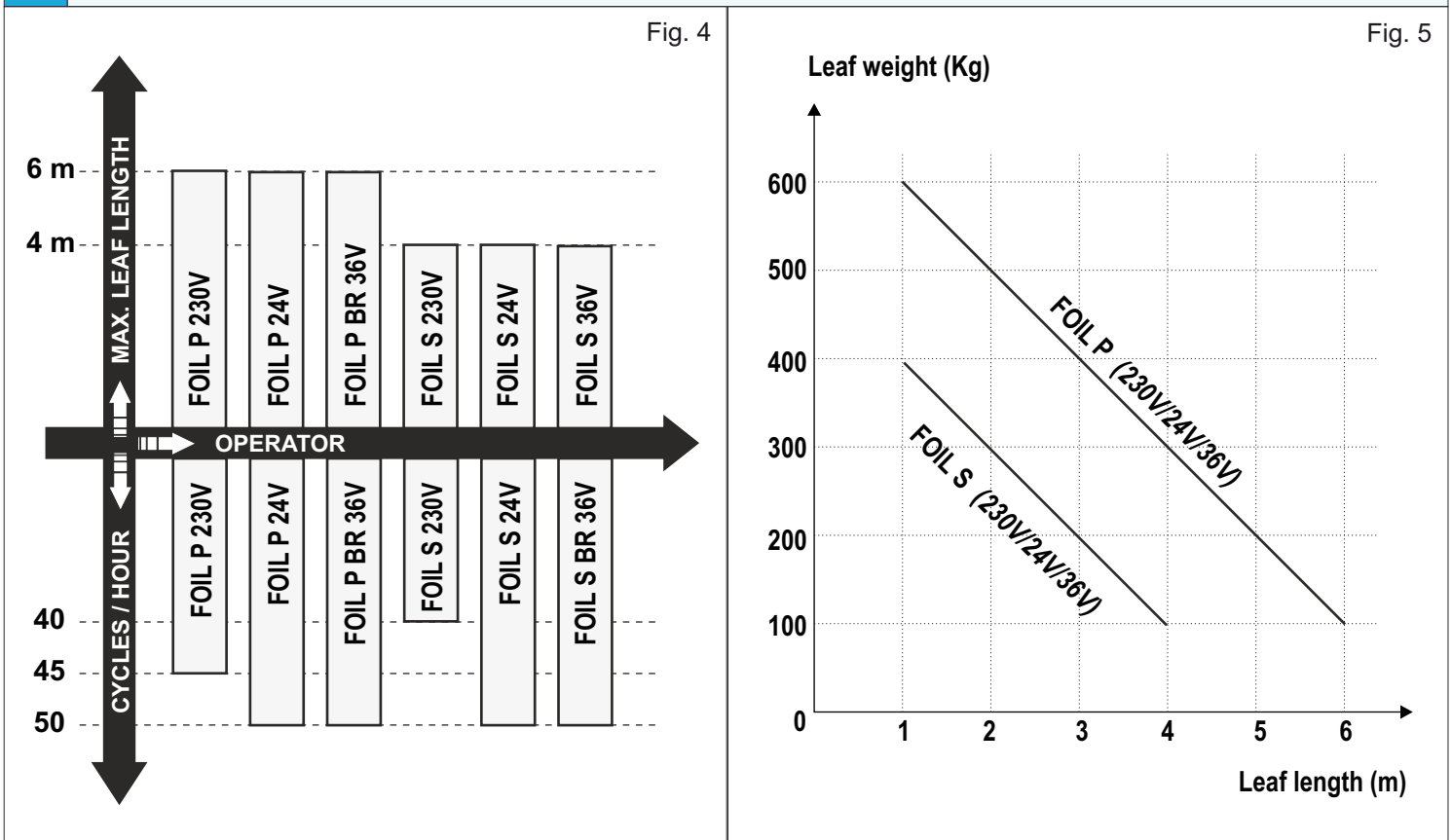
**FOIL S**

1 Front bracket	7 Motor
2 Shaft cover	8 Terminal block
3 Aluminum casing	9 Metallic bevel gear pair
4 Manual release	10 Absolute encoder
5 Rear bracket	11 Bearings
6 Electric cables outlet	12 Endless screw
	13 Lead screw barrel nut

Fig. 2

# 3 DIMENSIONS (mm)



**4 APPLICATION CHARTS**


TECHNICAL DATA	FOIL P 230V	FOIL P 24V	FOIL P 36V BR	FOIL S 230V	FOIL S 24V	FOIL S 36V BR
Power supply	230V~ (± 5%) 50/60 Hz	24Vcc	36Vac	230V~ (± 5%) 50/60 Hz	24Vcc	36Vac
Absorbed power	230 W	60 W	260 W	230 W	60 W	260 W
Absorbed current	1,1 A	2,5 A	-	1,1 A	2,5 A	-
Stroke	500 mm			400 mm		
Shaft speed	1,6 cm/s			1,6 cm/s		
Motor speed	1430 rpm	2350 rpm <i>ADJUSTABLE</i>	<i>ADJUSTABLE</i>	1430 rpm	2350 rpm <i>ADJUSTABLE</i>	<i>ADJUSTABLE</i>
Max. thrust	3000 N	3000 N	3500 N	3000 N	2000 N	3000 N
Cycles/hour (T = 20°C) *	45	50	50	40	50	50
Working temperature	-20°C ❄ +55°C ❄			-20°C ❄ +55°C ❄		
Thermal protection	130°C	-	-	130°C	-	-
Capacitor	10 µF	-	-	10 µF	-	-
Protection class	IP 44			IP 44		
Operator weight	10,1 Kg			9,7 Kg	9,2 Kg	9,2 Kg
Max. leaf length	6 m			4 m		
Max. leaf weight	600 Kg			400 Kg		
Mechanical stops	OPTIONAL	NO	NO	OPTIONAL		
Absolute encoder	STANDARD ON VERSION WITH ABSOLUTE ENCODER			STANDARD ON VERSION WITH ABSOLUTE ENCODER		
External release	OPTIONAL (READY)			OPTIONAL (READY)		
Microswitch on release	OPTIONAL			OPTIONAL		

\* The frequency of use is valid only for the first working hour and at average temperature of 20°C

## 5 INWARD INSTALLATION

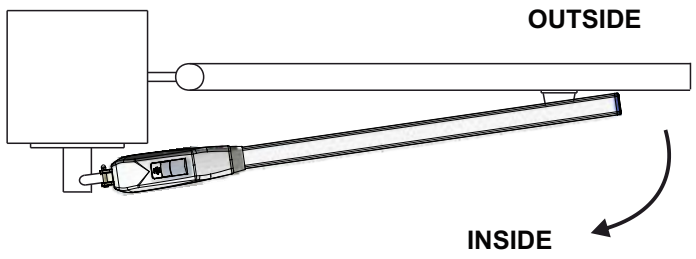


Fig. 6

\* For the «c» dimension the references are the minimum value of 65 mm and the maximum value of 124 mm

\*\* The «f» dimension has been calculated for a 40 mm thick gate

\*\*\* The max. stroke is referred to the max. opening angle indicated in the side column

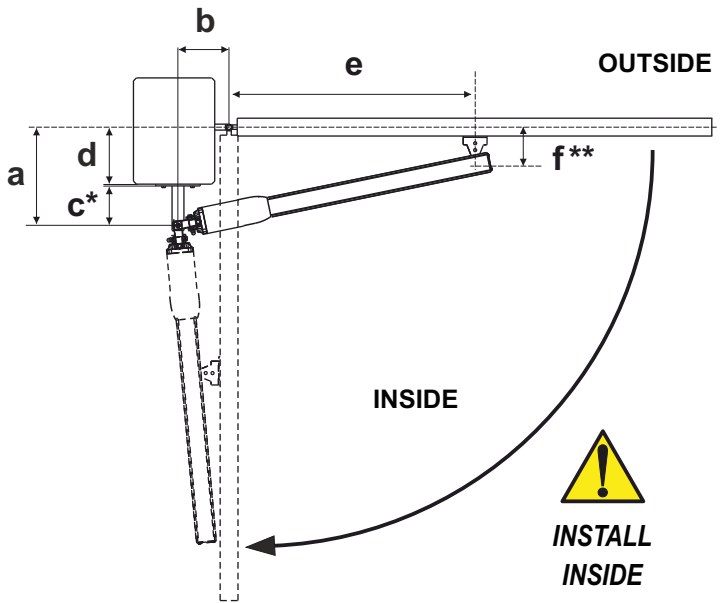
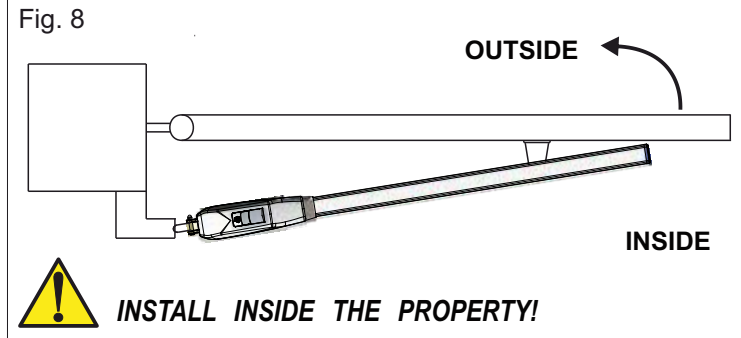


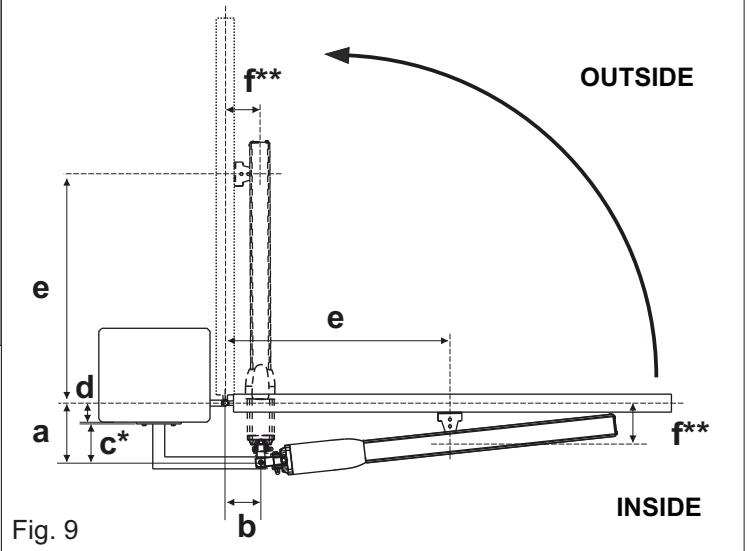
Fig. 7

FOIL P 500									FOIL S 400								
TOTAL STROKE 500 mm - MAX. RECOMMENDED STROKE 480 mm									TOTAL STROKE 400 mm - MAX. RECOMMENDED STROKE 380 mm								
a (mm)	b (mm)	c* (mm)	d <sub>max</sub> (mm)	e (mm)	f** (mm)	MAX. OPENING ANGLE	MAX. STROKE (mm)***	MAX. STROKE FOR 90° (mm)	a (mm)	b (mm)	c* (mm)	d <sub>max</sub> (mm)	e (mm)	f** (mm)	MAX. OPENING ANGLE	MAX. STROKE (mm)***	MAX. STROKE FOR 90° (mm)
115	160	65	50	1431	123	120°	339	275	115	160	65	50	760	130	120°	338	274
120	150	65	55	1441	123	115°	322	270	130	150	65	65	770	130	115°	329	280
130	150	65	65	1441	123	115°	331	280	140	140	65	75	780	130	110°	318	280
140	140	65	75	1451	123	110°	319	280	160	160	65	95	760	130	115°	370	319
160	160	65	95	1431	123	112°	368	320	170	150	124	46	769	130	110°	360	321
170	150	124	46	1440	123	108°	359	321	190	160	124	66	758	130	101°	379	351
170	160	124	46	1430	123	110°	375	331	200	150	124	76	768	130	103°	380	352
190	140	124	66	1450	123	105°	361	331	200	160	124	76	758	130	97°	380	361
190	160	124	66	1430	123	110°	394	351	210	115	124	86	802	130	98°	340	328
200	150	124	76	1439	123	107°	386	352	210	140	124	86	777	130	104°	379	353
200	160	124	76	1429	123	108°	401	361	210	150	124	86	767	130	97°	380	363
210	140	124	86	1449	123	102°	376	352	220	130	124	96	786	130	100°	372	354
210	150	124	86	1439	123	105°	393	362	220	140	124	96	776	130	97°	379	364
220	140	124	96	1448	123	102°	387	363	230	120	124	106	795	130	98°	368	355
220	150	124	96	1438	123	105°	404	373	230	130	124	106	785	130	98°	380	365
230	130	124	106	1457	123	100°	382	364	240	120	124	116	794	130	98°	379	366
230	140	124	106	1447	123	104°	400	374	240	130	124	116	784	130	92°	380	376
240	130	124	116	1457	123	100°	392	374	250	110	124	126	802	130	96°	376	368
250	120	124	126	1466	123	98°	389	375	250	120	124	126	792	130	90°	378	378
260	110	124	136	1475	123	96°	386	376	260	110	124	136	801	130	95°	386	379

## 6 OUTWARD INSTALLATION

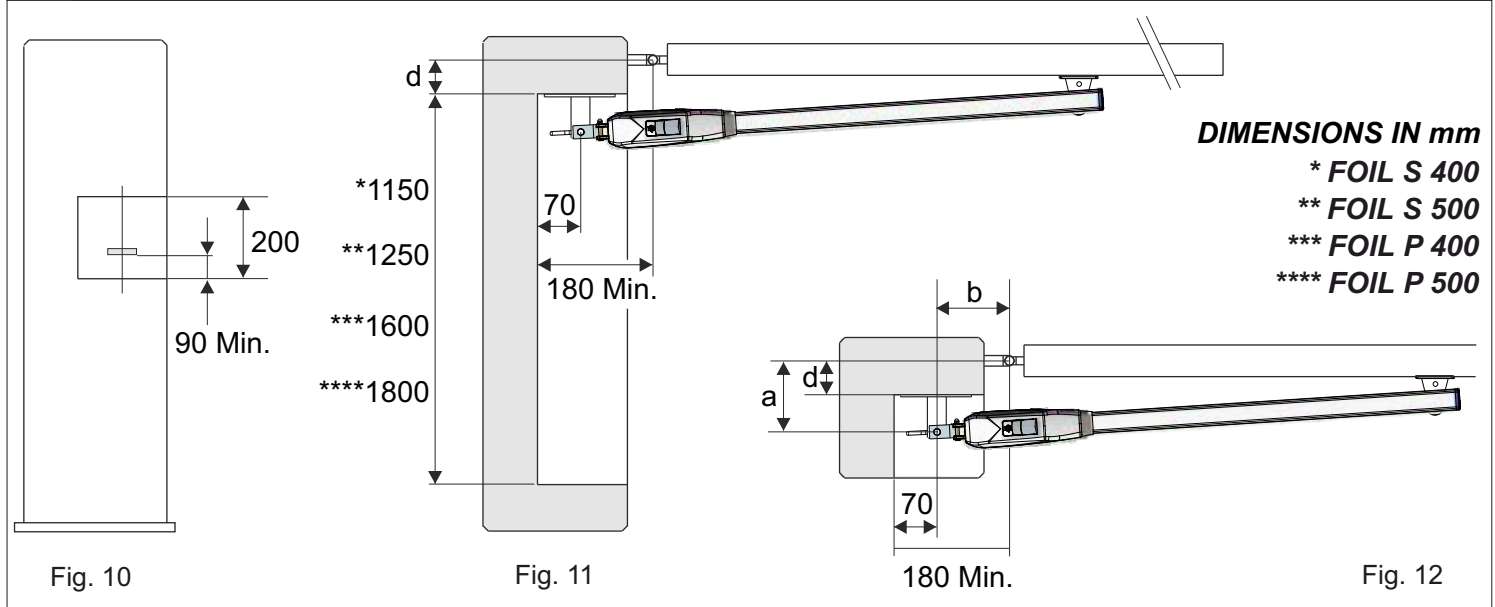


\* For the «c» dimension the reference is the min. value of 50mm  
 \*\* The «f» dimension has been computed for a 40mm thick gate  
 \*\*\* The max. stroke is referred to the max. opening angle indicated in the side column



FOIL P 500 TOTAL STROKE 500 mm - MAX. RECOMMENDED STROKE 480 mm									FOIL S 400 TOTAL STROKE 400 mm - MAX. RECOMMENDED STROKE 380 mm								
a (mm)	b (mm)	c* (mm)	d <sub>max</sub> (mm)	e (mm)	f** (mm)	MAX. OPENING ANGLE	MAX. STROKE (mm)***	MAX. STROKE FOR 90° (mm)	a (mm)	b (mm)	c* (mm)	d <sub>max</sub> (mm)	e (mm)	f** (mm)	MAX. OPENING ANGLE	MAX. STROKE (mm)***	MAX. STROKE FOR 90° (mm)
110	160	50	60	1270	123	120°	336	270	110	160	50	60	695	130	125°	344	271
110	170	50	60	1280	123	125°	358	281	110	170	50	60	705	130	125°	359	281
120	160	50	70	1270	123	118°	342	280	120	160	50	70	695	130	120°	345	281
130	150	50	80	1260	123	115°	332	280	130	150	50	80	685	130	110°	324	280
140	140	50	90	1250	123	110°	320	280	140	140	50	90	675	130	110°	321	280
150	130	50	100	1240	123	105°	309	280	150	130	50	100	665	130	105°	310	280
160	120	50	110	1229	123	102°	301	279	160	120	50	110	654	130	105°	306	279
170	110	50	120	1219	123	100°	296	279	170	110	50	120	643	130	100°	296	278

## 7 INSTALLATION ON MASONRY PILLARS, BY MAKING A RECESS



➔ **In case you need to make a recess, observe the shown dimensions**  
 ➔ **Make sure that the connection cable do not tangle in the recess during installation**

**8**
**INSTALLATION - PRELIMINARY NOTES**

- Open the package carefully, making sure to not loose parts or fixing accessories
- For a proper operation, it is important to place as the operator as the front and rear brackets in a perfectly horizontal position with the help of a level, as shown in Fig. 13

**THE REAR BRACKET CAN BE INSTALLED IN THE SAME WAY FOR BOTH «FOIL-P» AND «FOIL-S»**

**- DRAWINGS ONLY AS EXAMPLE -**

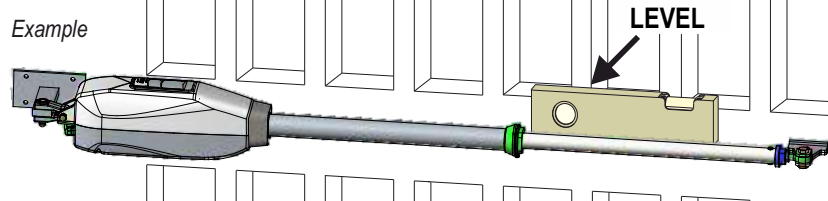


Fig. 13

**9**
**REAR BRACKET INSTALLATION**

- According to the opening (*inward or outward*) and to the choice of the leaf max. rotation, the bracket must first be cut by respecting the «a» dimension shown on chapters 5 or 6 and then welded - Fig. 15
- **THE REAR BRACKET MUST BE POSITIONED SO THAT THE OPERATOR IS PERFECTLY HORIZONTAL - Fig. 13**

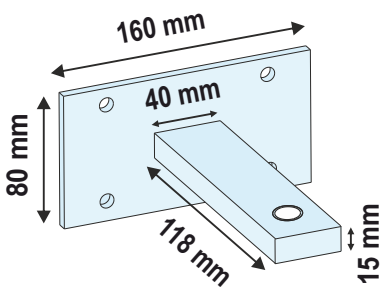
**STANDARD BRACKET**


Fig. 14

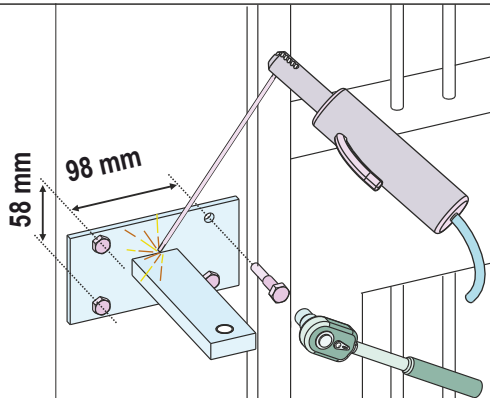


Fig. 15

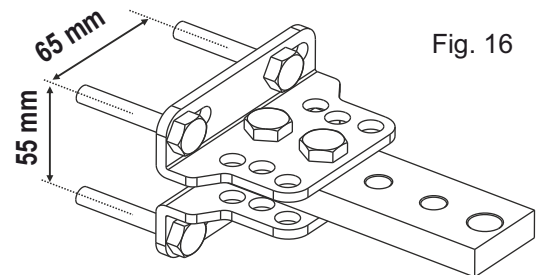
**ADJUSTABLE REAR BRACKET WITH SCREWS - ACCESSORY ON DEMAND -**


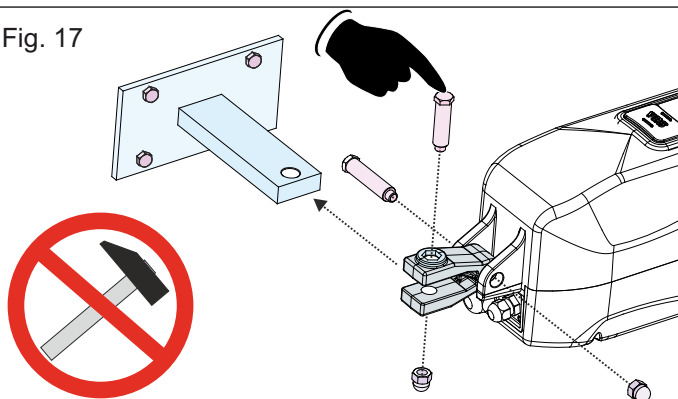
Fig. 16

**10**
**INSTALLATION OF THE SWING FORK ON THE REAR BRACKET**

- Place the swing fork on the rear bracket (*previously fixed to the gate frame*) - Fig. 17
- Insert the fixing pins as shown in Fig. 17, using only manual pressure
- Secure the pins with their nuts - Fig. 17

**! KEEP THE OPERATOR IN A HORIZONTAL POSITION DURING THE OPERATION! DO NOT TILT THE OPERATOR TO AVOID THE RISK OF BREAKING THE SWING FORK «A»!**

Fig. 17



Example

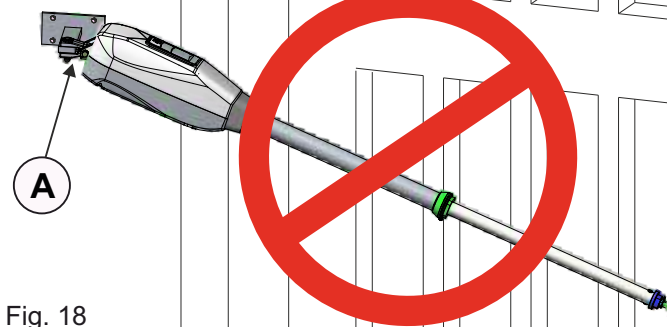


Fig. 18

**! DO NOT tilt the operator further than the swing fork «A» allowed angle - Fig. 18 DO NOT use the hammer to insert the pins!**

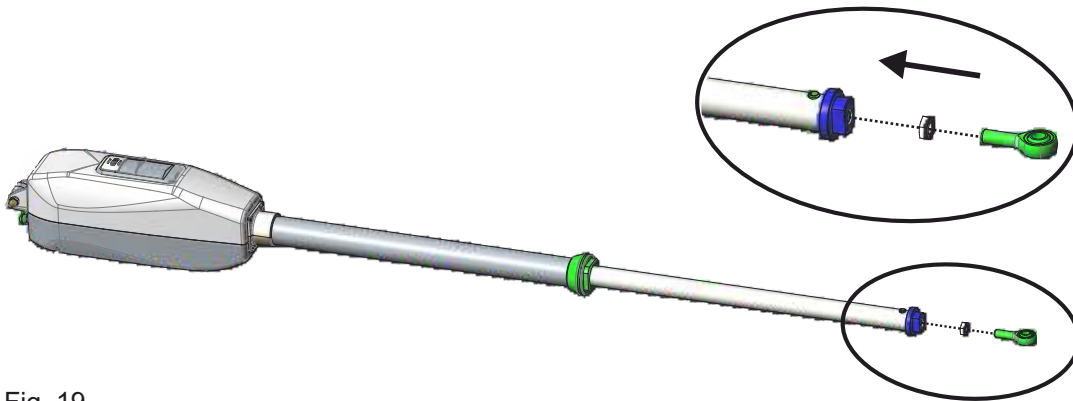
**ONLY FOR «FOIL P»**
**11 SPHERIC JOINT MOUNTING**


Fig. 19

Fig. 20

**12 FRONT BRACKET INSTALLATION**

Once the operator has been fixed on the rear bracket, **close the leaf** and proceed as follows:

- Pull out completely the chrome shaft, **then bring it back about 1,5 cm**
- Place the front bracket on the gate and place the shaft in the housing - Fig. 22
- With the help of a level - Fig. 21 - **make sure that the operator is in a perfectly horizontal position** then mark the front bracket position - Fig. 22
- Carefully weld the front bracket onto the gate, in the correct mounting position - Fig. 24

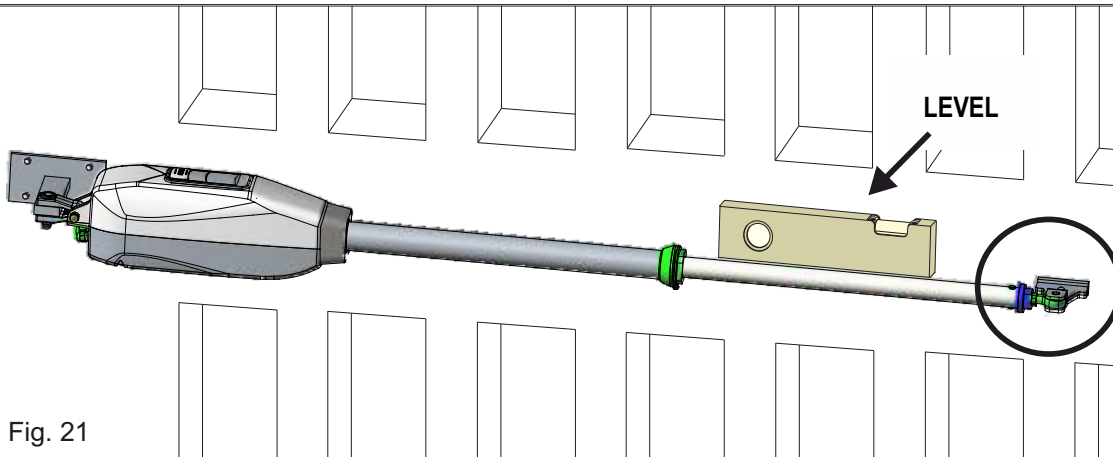


Fig. 21

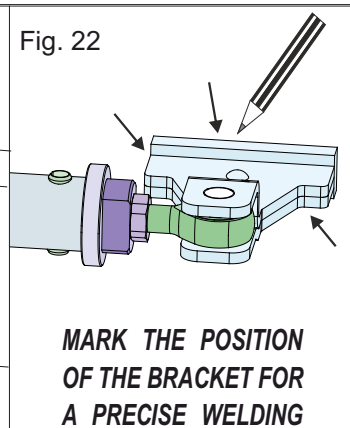


Fig. 22

**MARK THE POSITION OF THE BRACKET FOR A PRECISE WELDING**

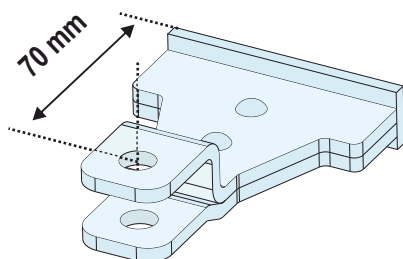


Fig. 23

**⚠ DO NOT WELD THE FRONT FIXATION IF THE SHAFT IS ALREADY INSERTED!**  
 The welding scraps (squirts) could damage the shaft

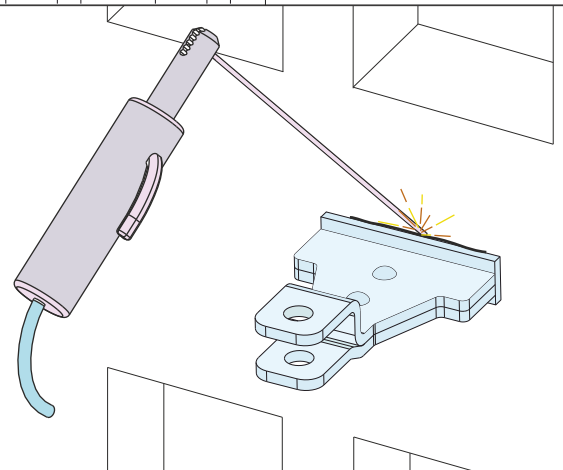


Fig. 24

### 13 INSTALLATION OF THE OPERATOR ON THE FRONT BRACKET

- Place the operator shaft in the housing of the front bracket - Fig. 25
- Secure the shaft to the front bracket by tightening the screw - Fig. 25

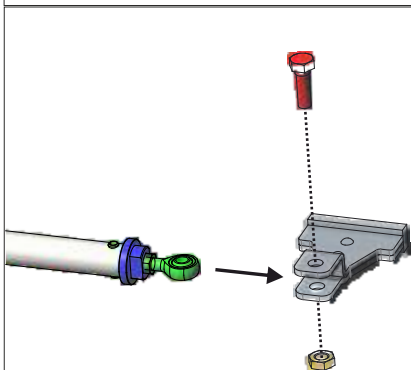


Fig. 25

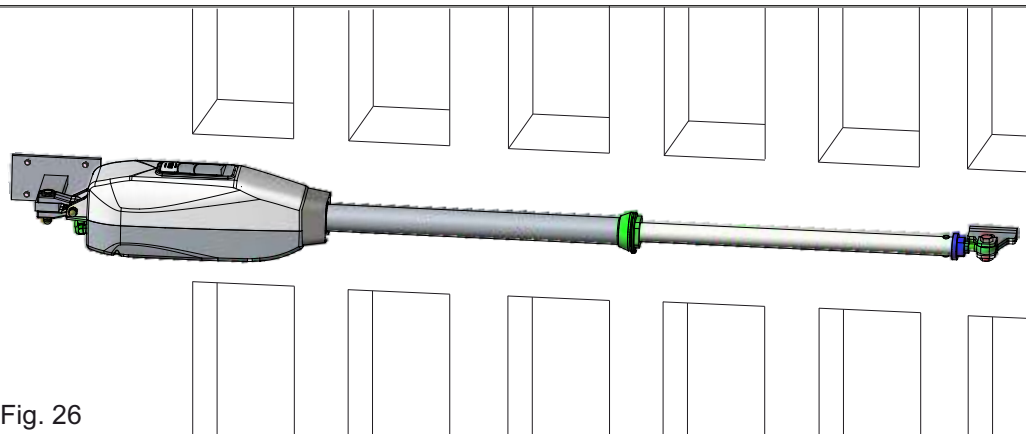


Fig. 26

### 14 INSTALLATION OF THE COVER FOR THE SHAFT

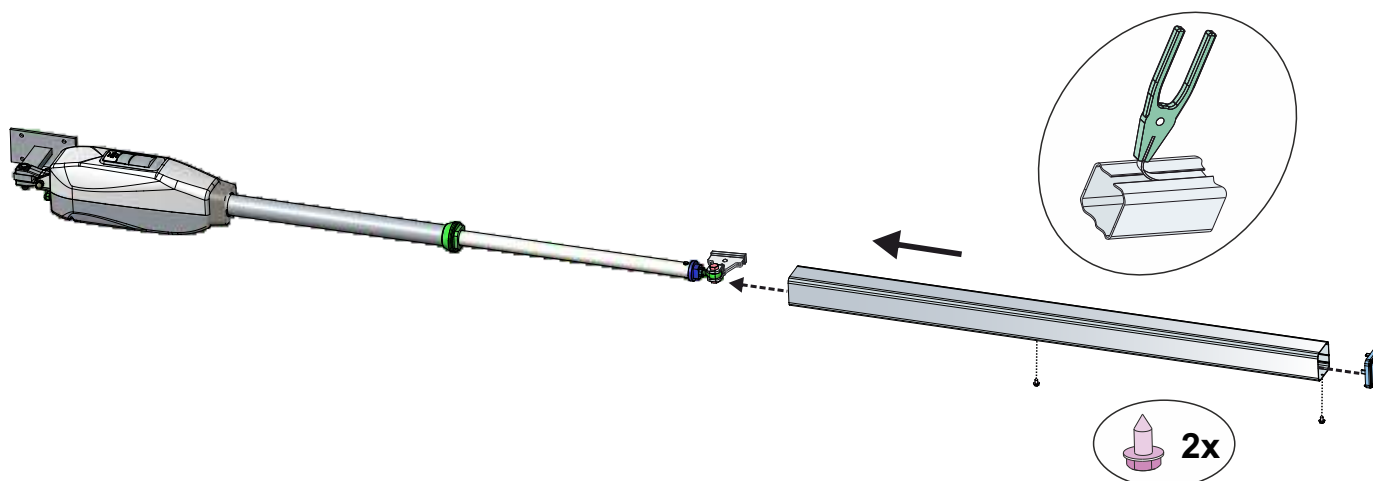


Fig. 27


**!** *Insert the shaft cover only when the operator installation on the gate have been completed!*



**ONLY FOR «FOIL S»**
**15 FRONT BRACKET INSTALLATION**

Once the operator has been fixed on the rear bracket, **CLOSE THE LEAF** and proceed as follows:

- Place the front bracket on the gate and place the shaft in the housing - Fig. 29
- With the help of a level - Fig. 28 - **make sure that the operator is in a perfectly horizontal position** then mark the front bracket and the holes position - Fig. 29
- Anyway, refer to the drilling table shown in Fig. 31

 When positioning the front bracket on the gate, consider the offset in respect to the central axis of the operator - Fig 30

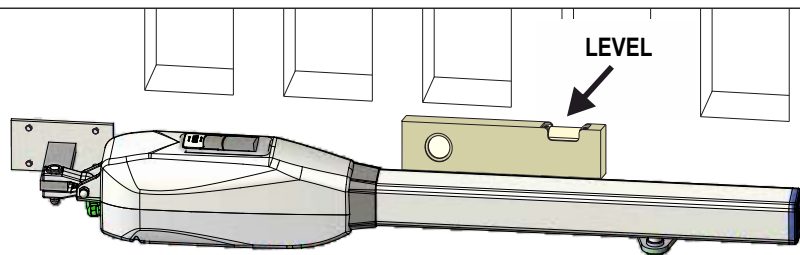


Fig. 28

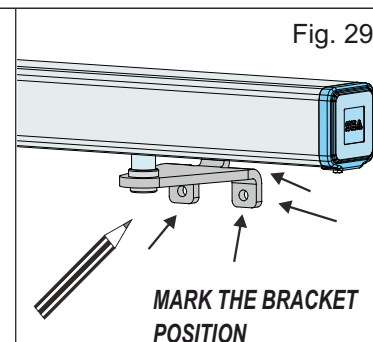


Fig. 29

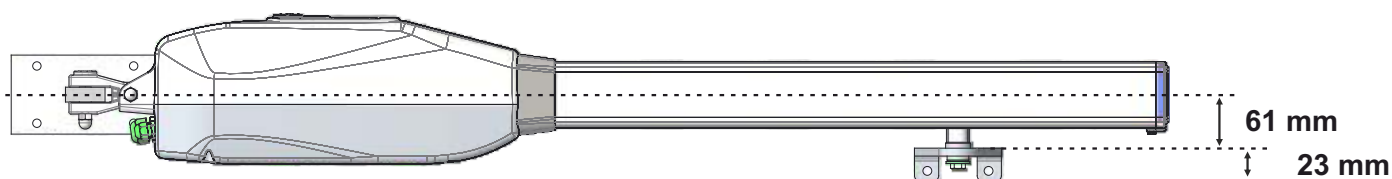


Fig. 30

**DEPENDING ON THE GATE MATERIAL (WOOD, IRON O ALUMINUM)  
THE FRONT BRACKET CAN BE SCREWED AND / OR WELDED**

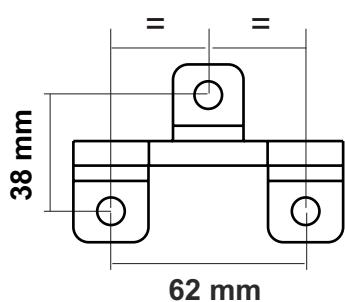
**SCREWED FRONT BRACKET**


Fig. 31

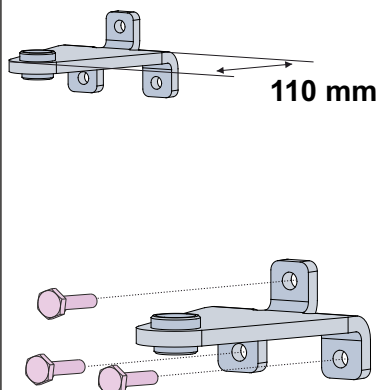
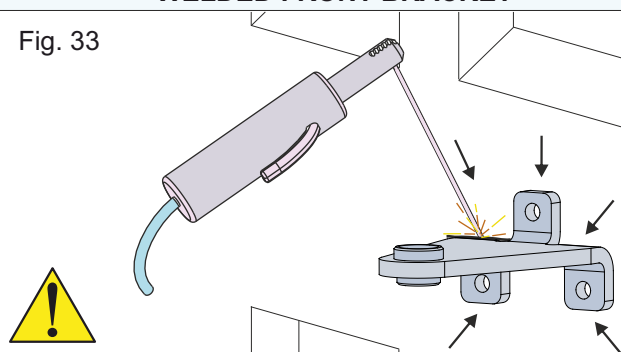


Fig. 32

**WELDED FRONT BRACKET**

Fig. 33



**DO NOT INSTALL  
THE OPERATOR  
ON THE BRACKET  
BEFORE WELDING!**

16

**INSTALLATION OF THE OPERATOR ON THE FRONT BRACKET**

- Place the operator shaft in the housing of the front bracket - Fig. 34
- Secure the shaft to the front bracket by tightening the screw - Fig. 34

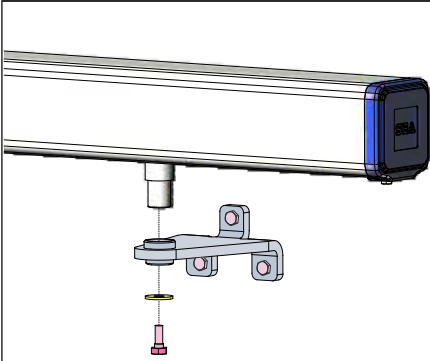


Fig. 34

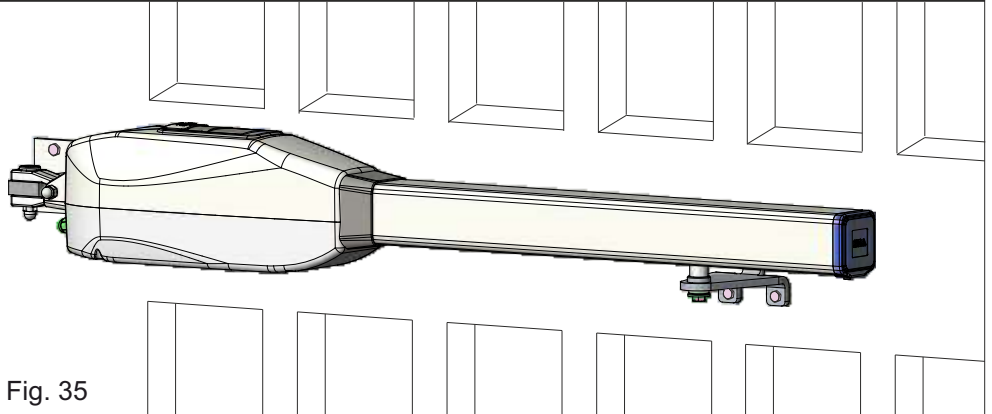


Fig. 35

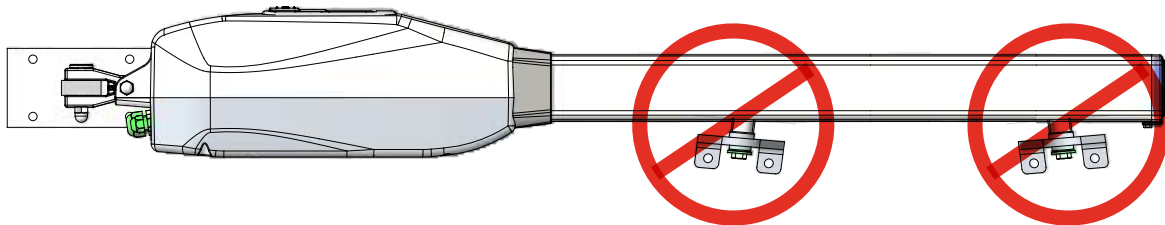


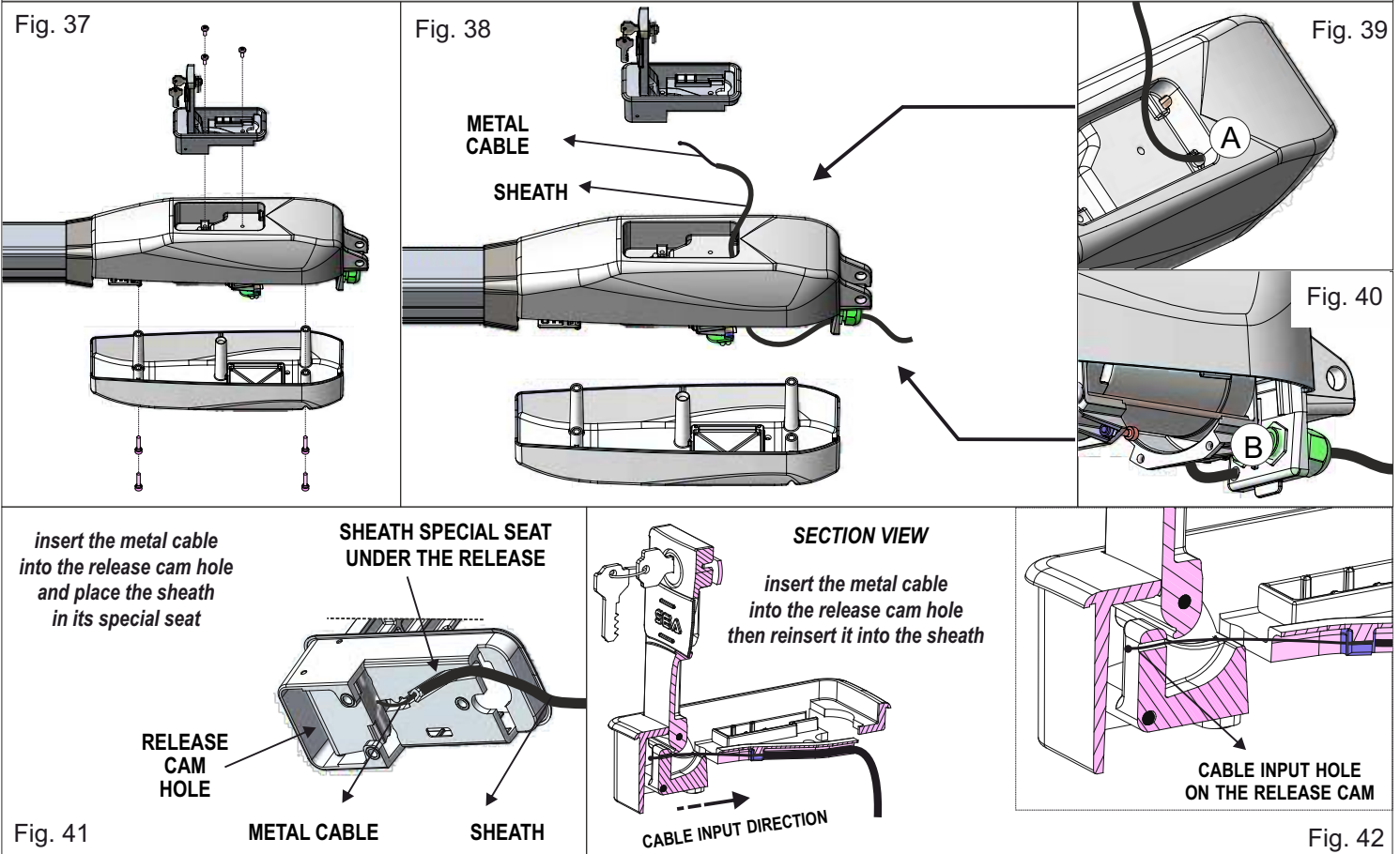
Fig. 36



Make sure that the front bracket **DOES NOT TILT** when it reaches the stop point or malfunctions/damages may occur - Fig. 36

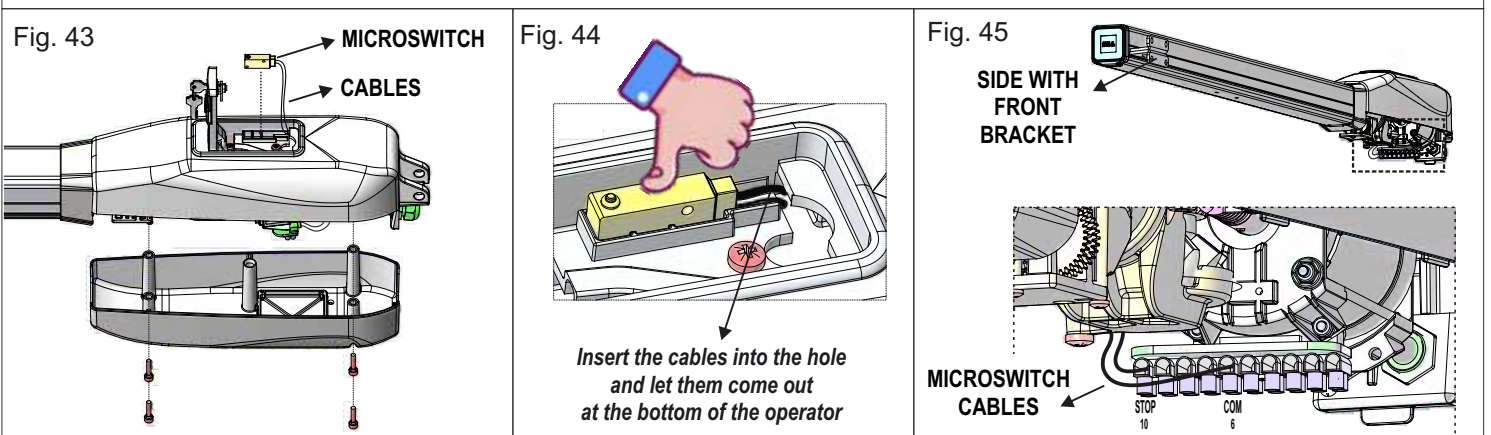
## 17 EXTERNAL RELEASE INSTALLATION - ACCESSORY ON DEMAND

- Unlock the operator by lifting the release flap - *release instructions chapter 21*
- Once the flap is open, unscrew and remove the complete release group - Fig. 37
- Unscrew and remove the lower shell of the operator as well, as shown in Fig. 37
- Insert the sheath of the release wire into the hole «A» inside the upper shell of the operator - Fig. 39 and push it until it comes out from the lower part; then insert it manually into the hole «B» placed on the bottom left of the plastic output support for cable glands - Fig. 40
- Insert the metal cable into the hole of the release cam and reinsert it into the sheath - Fig. 41 - Fig. 42
- Place the sheath in the special seat under the release and make sure it holds its place during the reassembly operation - Fig. 41

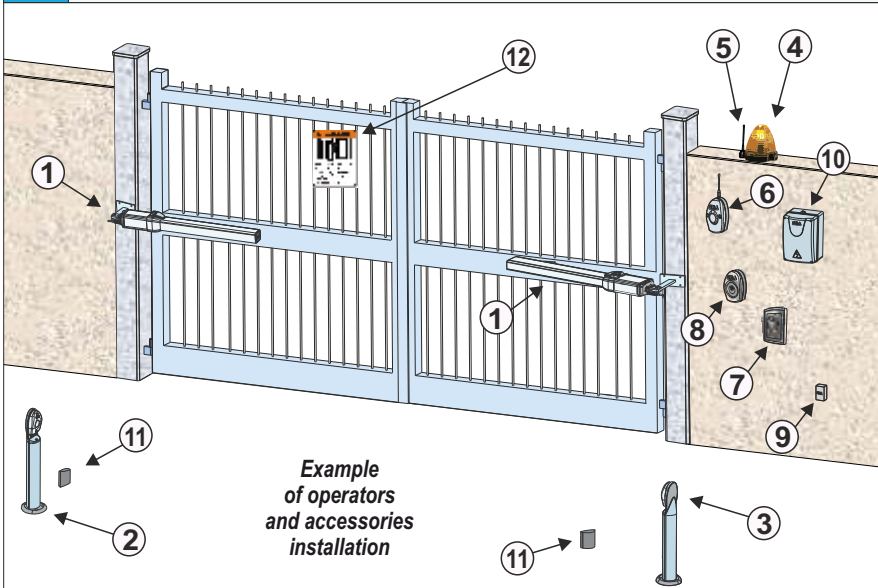


## 18 MICROSWITCH SYSTEM FOR MANUAL RELEASE - ACCESSORY ON DEMAND

- Using manual pressure only, insert the microswitch into the special housing inside the release - Fig. 43 and Fig. 44 - passing the cables inside the hole, as shown in Fig. 44.
- Connect the cables coming out of the lower part of the operator to the terminal board - Fig. 45



## 19 STANDARD INSTALLATION WIRING



### RECOMMENDED CABLES NUMBER AND SECTION FOR WIRINGS ON CONTROL UNIT

- |                          |   |          |
|--------------------------|---|----------|
| 1) OPERATORS             | → | 4 x 1,5  |
| 2) PHOTOCELL TX          | → | 2 x 0,5  |
| 3) PHOTOCELL RX          | → | 4 x 0,5  |
| 4) FLASHING LAMP         | → | 2 x 0,5  |
| 5) ANTENNA               | → | 1 x RG58 |
| 6) EXTERNAL RECEIVER     | → | 4 x 0,5  |
| 7) KEYPAD                | → | 4 x 0,5  |
| 8) KEY-BUTTON            | → | 4 x 0,5  |
| 9) DIFFERENTIAL 16A/30mA | → | 3 x 1,5* |
| 10) CONTROL UNIT BOX     |   |          |
| 11) MECHANICAL STOPS     |   |          |
| 12) WARNING SIGNS        |   |          |

\* Increase the cable section in case of high distance from the control unit

Fig. 46

## 20 MOTOR TERMINAL BOARD WIRING

FOIL P - FOIL S (230V)	FOIL P - FOIL S (24V)	FOIL P - FOIL S (36V)
1 OPENING 2 COMMON 3 CLOSING 4 GROUND 5 PWM 6 (-) COM 7 (+) (+PG/+5V) 8 A 9 B 10 STOP	1 MOTOR 24V 2 MOTOR 24V 3 4 5 PWM 6 (-) COM 7 (+) (+PG/+5V) 8 A 9 B 10 STOP	1 U 2 V 3 W 4 GROUND 5 PWM 6 (-) COM 7 (+) (+PG/+5V) 8 A 9 B 10 STOP
MOTOR: 1, 2, 3, 4 RT: 6, 7, 8, 9	MOTOR: 1, 2, 3, 4 RT: 6, 7, 8, 9	MOTOR: 1, 2, 3, 4 RT: 6, 7, 8, 9

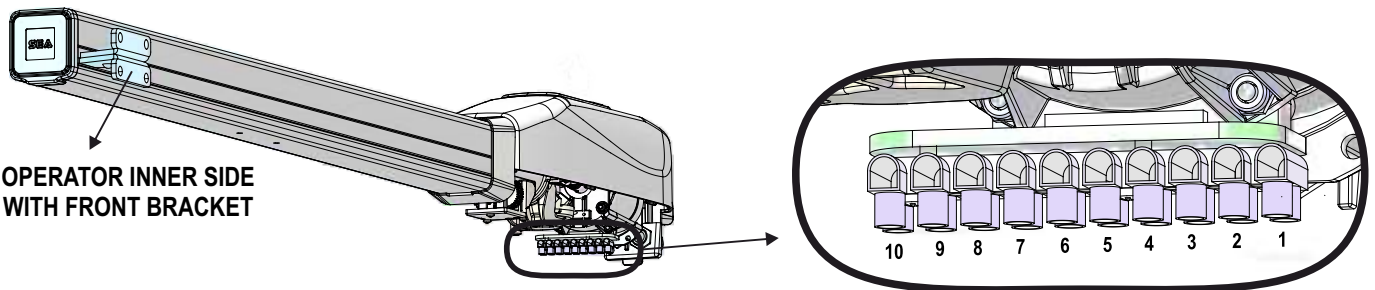
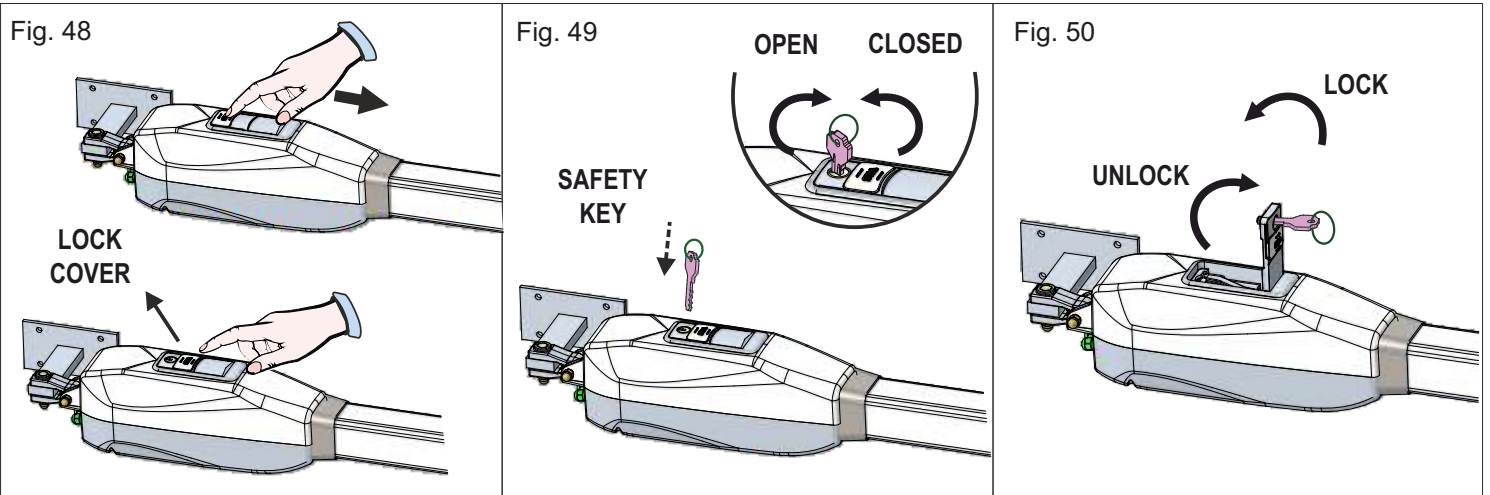


Fig. 47

RT = ABSOLUTE ENCODER  
 RT 485 = ABSOLUTE ENCODER TYPE 485

**PART FOR BOTH INSTALLER AND END-USER**
**21**
**RELEASE SYSTEM**

**CAUTION! SWITCH-OFF THE POWER SUPPLY BEFORE TO LOCK OR UNLOCK THE OPERATOR!  
IN CASE OF MALFUNCTION, ALWAYS CONTACT AN AUTHORIZED INSTALLER!**



- Slide the lock cover down and reveal the safety lock - Fig. 48
- Insert the key and turn clockwise to open or anti-clockwise to close - Fig. 49
- Lift the release flap to unlock the operator - Fig.50
- To relock the operator, simply close the flap and tighten the safety key

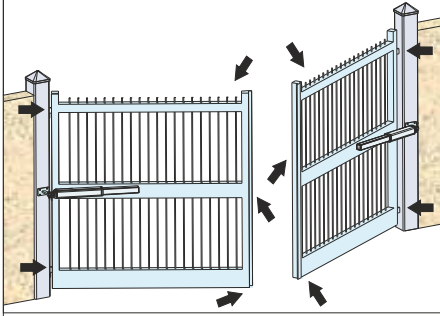
**22**
**PERIODIC MAINTENANCE**

Check the robustness and the stability of the gate, particularly the leaning and the rotation points of the gate (hinges)	<b>ANNUAL</b>
Check the correct operation of the release system	<b>ANNUAL</b>
Check and grease the fixation pivots and the endless screw	<b>ANNUAL</b>
Check the integrity of the electric cables	<b>ANNUAL</b>
Check the correct operation and the conditions of the opening and closing mechanical stops (where this accessory is installed)	<b>ANNUAL</b>
Check the correct operation and the conditions of the parts which are subjected to strain (rear and front brackets, swing fork)	<b>ANNUAL</b>
Check the correct operation and the conditions of all accessories, especially the safety devices	<b>ANNUAL</b>
Lubricate the shaft with SEA grease ( <b>GREASE GL 00 code 65000009</b> )	<b>ANNUAL</b>
<i>AFTER THE MAINTENANCE, IT IS NECESSARY TO REPEAT THE AUTOMATION TESTING AND COMMISSIONING</i>	

**ALL OPERATIONS MUST BE CARRIED OUT EXCLUSIVELY BY AN AUTHORIZED INSTALLER!**

## PART FOR BOTH INSTALLER AND END-USER

### GENERAL NOTICE



**RISK EXAMINATION:** The points pointed by arrows are potentially dangerous. The installer must take a thorough risk examination to prevent crushing, conveying, cutting, grappling, trapping so as to guarantee a safe installation for people, things and animals (Re. Laws in force in the Country where installation has been made). As for misunderstandings that may arise refer to your area distributor or call our help desk. These instructions are part of the device and must be kept in a well known place. The installer shall follow the provided instructions thoroughly. SEA products must only be used to automate doors, gates and wings. Any initiative taken without SEA explicit authorization will preserve the manufacturer from whatsoever responsibility.

The installer shall provide warning notices on not assessable further risks. SEA in its relentless aim to improve the products, is allowed to make whatsoever adjustment without giving notice. This doesn't oblige SEA to upgrade the past production. SEA cannot be deemed responsible for any damage or accident caused by product breaking, being damages or accidents due to a failure to comply with the instructions herein. The guarantee will be void and the manufacturer responsibility will be nullified if SEA original spare parts are not being used. The electrical installation shall be carried out by a professional technician who will release documentation as requested by the laws in force. Packaging materials such as plastic bags, foam polystyrene, nails etc must be kept out of children's reach as dangers may arise.

**INITIAL TEST AND STARTING OF THE AUTOMATION:** After having completed the necessary operations for a correct installation of the product and after having evaluated all the risks which could arise in any installation, **it is necessary to test the automation to guarantee the maximum safety and to guarantee that the Laws in force are fully respected.** The first Start must be executed according to the rule **EN 12445** which establishes the methods of tests for checking the gate automation respecting the limits established by the rule **EN 12453**

**SAFETY PRECAUTIONS:** All electrical works should comply with the current regulations. A 16A/0,030 differential switch must be used. Separate the source cables (operators, power supply) and command cables (photocells, push-buttons, etc). Be sure the entire system is properly grounded. Always run cables in separate ducts to prevent interferences

**INTENDED USE:** The operator has been designed to be used for the automation of swing gates only

**SPARE PARTS:** Send request for spare parts to: **SEA S.p.A. - Teramo - ITALY - [www.seateam.com](http://www.seateam.com)**

**SAFETY AND ENVIRONMENTAL COMPATIBILITY:** Don't waste product packing materials and/or circuits

**STORAGE:** T = -30°C/+60°C ; Humidity = min. 5% / max. 90% (without condensation); Materials must be properly packaged, handled with care and with appropriate vehicles

**WARRANTY LIMITS** - see the sales conditions

**MAINTENANCE AND DECOMMISSION:** must only be carried out by specialized and authorized personnel

**THE MANUFACTURER CAN NOT BE DEEMED RESPONSIBLE FOR ANY DAMAGE OR INJURY CAUSED BY IMPROPER USE OF THIS PRODUCT**

*SEA S.p.A. reserves the right to make any required modification or change to the products and/or to this manual without any advanced notice obligation.*

1. Read carefully these instructions before beginning to install the product. Store these instructions for future reference
2. Don't waste product packaging materials and/or circuits
3. This product was designed and built strictly for the use indicated in this documentation. Any other use, not expressly indicated here, could compromise the good condition/operation of the product and/or be a source of danger. SEAS.p.A. declines all liability caused by improper use or different use in respect to the intended one.
4. The mechanical parts must comply with Directives: Machine Regulation 2006/42/CE and following adjustments, Low Tension (2006/95/CE), Electromagnetic Consistency (2004/108/CE); Installation must respect Directives: EN12453 and EN12445.
5. Do not install the equipment in an explosive atmosphere.
6. SEA is not responsible for failure to observe Good Techniques in the construction of the locking elements to motorize or for any deformation that may occur during use
7. Before attempting any job on the system, cut out electrical power and disconnect the batteries. Be sure that the grounding system is perfectly constructed, and connect to it the metal parts of the gate
8. Use of the indicator-light is recommended for every system, as well as a warning sign well-fixed to the frame structure.
9. SEA declines all liability concerning the automated system safety and efficiency, if components used are not produced by SEA
10. For maintenance, strictly use original parts by SEA.
11. Do not modify in any way the components of the automated system.
12. The installer shall supply all information concerning the system manual functioning in case of emergency and shall hand over to the user the warnings handbook supplied with the product.
13. Do not allow children or adults to stay near the product while it is operating. The application cannot be used by children, by people with reduced physical, mental or sensorial capacity or by people without experience or necessary training. Keep remote controls or other pulse generators away from children, to prevent involuntary activation of the system.
14. Transit through the leaves is allowed only when the gate is fully open.
15. The User must not attempt to repair or to take direct action on the system and must solely contact qualified SEA personnel or SEA service centers. The User can apply only the manual function of emergency.
16. The power cables maximum length between the central engine and motors should not be greater than 10 m. Use cables with 2,5 mm<sup>2</sup> section. Use double insulation cable (cable sheath) to the immediate vicinity of the terminals, in particular for the 230V cable. Keep an adequate distance (at least 2.5 mm in air), between the conductors in low voltage (230V) and the conductors in safety low voltage (SELV) or use an appropriate sheath that provides extra insulation having a thickness of 1 mm

# DECLARATION OF CONFORMITY

## DICHIARAZIONE DI CONFORMITÀ

SEA S.p.A. declares under its proper responsibility and, if applicable, under the responsibility of its authorised representative that, by installing the appropriate safety equipment and noise filtering, the products:

*La SEA S.p.A. dichiara sotto la propria responsabilità e, se applicabile, del suo rappresentante autorizzato che, con l'installazione degli adeguati dispositivi di sicurezza e di filtraggio disturbi, i prodotti:*

DESCRIPTION - DESCRIZIONE	MODEL - MODELLO	TRADEMARK - MARCA
FOIL (AND ALL ITS BY-PRODUCTS - E TUTTI I SUOI DERIVATI)	11050010	SEA
FOIL (AND ALL ITS BY-PRODUCTS - E TUTTI I SUOI DERIVATI)	11050210	SEA
FOIL (AND ALL ITS BY-PRODUCTS - E TUTTI I SUOI DERIVATI)	11051010	SEA
FOIL (AND ALL ITS BY-PRODUCTS - E TUTTI I SUOI DERIVATI)	11051210	SEA

- are built to be integrated into a machine or to be assembled with other machinery to create a machine under the provisions of Directive 2006/42/CE;
- comply with the essential safety requirements related to the products within the field of applicability of the Community Directives 2014/35/UE and 2014/30/UE
- sono costruiti per essere incorporati in una macchina o per essere assemblati con altri macchinari per costruire una macchina ai sensi della Direttiva 2006/42/CE;
- sono conformi ai requisiti essenziali di sicurezza relativi ai prodotti entro il campo di applicabilità delle Direttive Comunitarie 2014/35/UE e 2014/30/UE

THE MANUFACTURER OR THE AUTHORIZED REPRESENTATIVE  
IL COSTRUTTORE o IL RAPPRESENTATE AUTORIZZATO

PLACE AND DATE OF ISSUE  
LUOGO E DATA DI EMISSIONE

TERAMO, 02/05/2024

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L'Administratore  
The Administrator  
Ennio Di Saverio





**SEA**®



**Automatic Gate Openers**

International registered trademark n. 804888

**SEA S.p.A.**

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