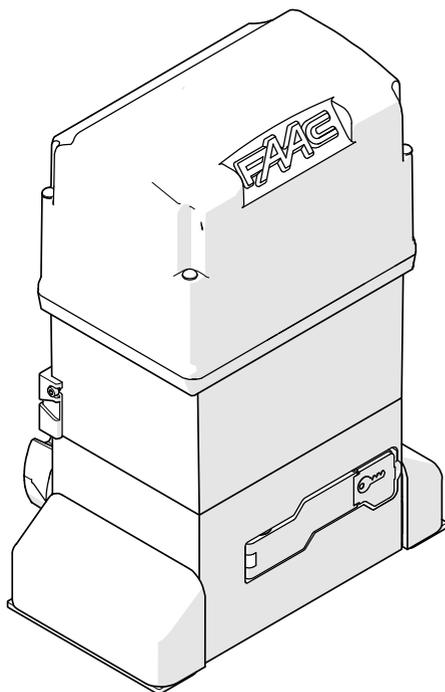


746 C - 844 C

EN



FAAC



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EN

Translation of the original instructions

These instructions are for boards starting from firmware version 1.2. They will then be valid until a new version is released.

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This manual was published in 2025.

CONTENTS

1. INTRODUCTION TO THE INSTRUCTION MANUAL	2
Safety warnings for the installer	2
Online instructions	2
Meaning of the symbols used	2
2. 746 C - 844 C	3
2.1 Unpacking and handling	3
Checking the goods supplied	3
Vent closure	3
2.2 Product identification	4
Markings on the product	5
2.3 Intended use	6
2.4 Limitations of use	6
2.5 Unauthorised use	7
2.6 Emergency use	8
2.7 Manual operation	8
Releasing the gearmotor	8
Restoring operation	8
2.8 Technical specifications	9
Technical data	10
Operation in ambient operating temperature of 65°C	11
2.9 Component identification	12
Components supplied	12
Components supplied separately	12
2.10 Dimensions	13
2.11 Example system	14
2.12 Installation dimensions	15
3. MECHANICAL INSTALLATION	16
Tools required	16
3.1 Installing the foundation plate	16
3.2 Installing the gearmotor	17
Open the vent hole	17
3.3 Installing the rack	18
Steel rack - Weld-on fastenings	18
Steel rack - Screw-on fastenings	19
Nylon rack	20
3.4 Adjusting and fastening permanently	21
4. OPTIONAL EQUIPMENT	22
4.1 Lock with personalised key	22
5. ELECTRONIC INSTALLATION AND START-UP	23
5.1 Installing the limit switches	24
6. PUTTING INTO SERVICE	26
6.1 Final operations	26
Installing the cover	26
7. MAINTENANCE	27
7.1 Scheduled maintenance	27
8. INSTRUCTIONS FOR USE	29
8.1 Emergency use	29

8.2 Manual operation	29
Releasing the gearmotor	29
Restoring operation	29

TABLES

1 Technical data 746 C	10
2 Technical data 844 C	10
3 Scheduled maintenance	27

APPENDICES

1 Foundation for leaves of maximum weight and width	30
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1. INTRODUCTION TO THE INSTRUCTION MANUAL

This manual provides the correct procedures and requirements for installing 746 C - 844 C and maintaining it in a safe condition.

In Europe, the automation of a gate falls under the Machinery Directive 2006/42/EC and the corresponding harmonised standards. Anyone automating a gate (new or existing) is classified as the Manufacturer of the Machine. They are therefore required by law, among other things, to carry out a risk analysis of the machine (automatic gate in its entirety) and take protective measures to fulfil the essential safety requirements specified in Annex I of the Machinery Directive.

FAAC S.p.A. recommends that you always comply with the EN 12453 standard and in particular that you adopt the safety criteria and devices indicated, without exception, including the dead-man function.

This manual contains references to European standards. The automation of a gate must fully comply with any laws, standards and regulations applicable in the country where installation will take place.

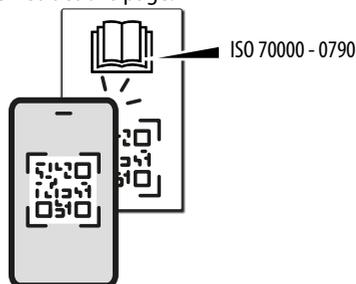
 Unless otherwise specified, the measurements provided in the instructions are in mm.

SAFETY WARNINGS FOR THE INSTALLER

Before starting the installation, read and follow the "Safety instructions for the installer" booklet supplied with the gearmotor and these installation instructions.

ONLINE INSTRUCTIONS

When you receive your goods, scan the QR code associated with the ISO 70000 - 0790 icon on the product itself and/or on the data plate to access the product's specific instructions page.



MEANING OF THE SYMBOLS USED

NOTES AND WARNINGS ON THE INSTRUCTIONS



WARNING, risk of personal injury hazard or damage to components - Perform the operation or steps in accordance with the instructions and safety warnings provided.



WARNING - Details and specifications which must be respected in order to ensure that the system operates correctly.



Presence of a magnetic field.



Danger to wearers of implantable medical devices. Keep 30 cm (12 in) away from the magnetic field.



RECYCLING AND DISPOSAL - The materials used in manufacturing, the batteries and any electronic components must not be sent to landfill. They must be taken to authorised recycling and disposal centres.



FIGURE E.g.:  1-3 see Figure 1 - item 3.



TABLE E.g.:  1 see Table 1.



CHAPTER/SECTION E.g. § 1.1 see section 1.1.

2. 746 C - 844 C

2.1 UNPACKING AND HANDLING

Open the package and remove the contents.

- Do not lift the gearmotor by the cover or the electronic board. Grip the body of the gearmotor using the handholds A.

CHECKING THE GOODS SUPPLIED

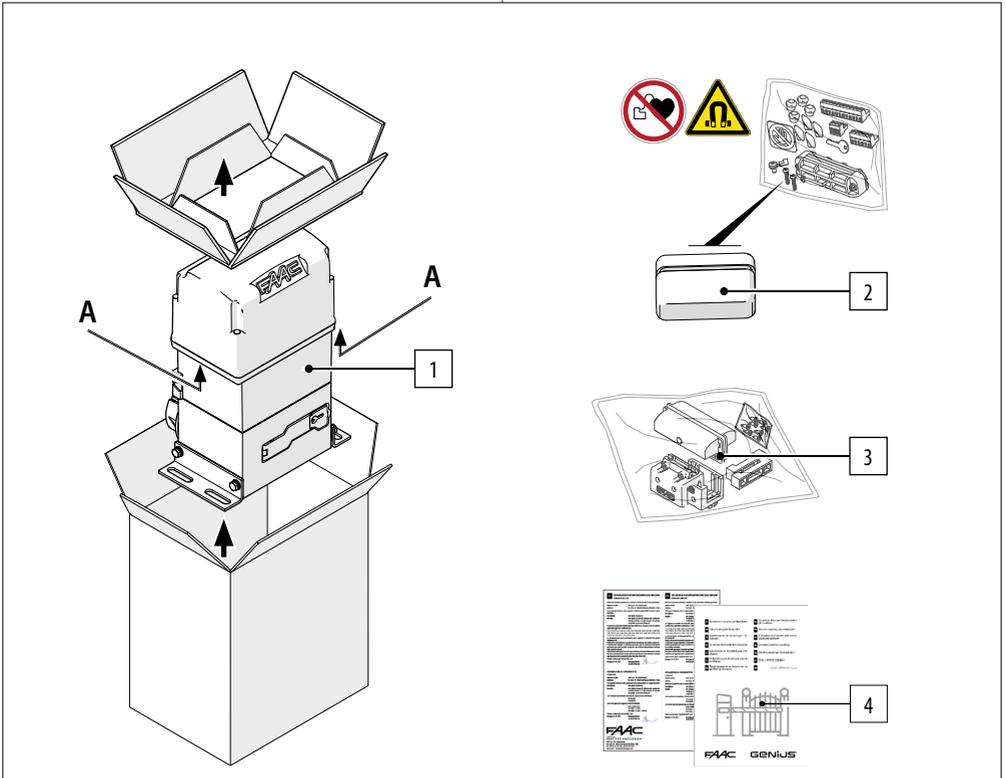
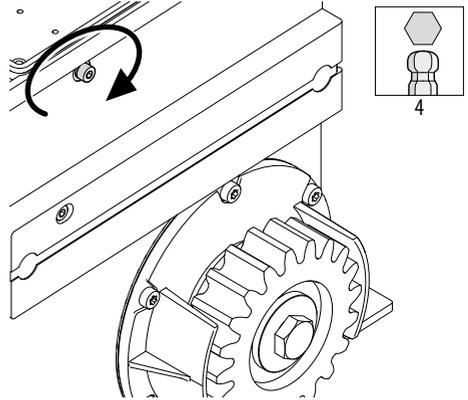
Check that all components are present and intact.

- 1 Gearmotor
- 2 Gearmotor bracket guards and Hardware/accessories
- 3 Magnetic limit switches
- 4 Printed documentation

VENT CLOSURE

The gearmotor is supplied with the vent hole closed with a screw and washer.

Whenever it is handled, the vent must be closed to prevent oil leaking out.

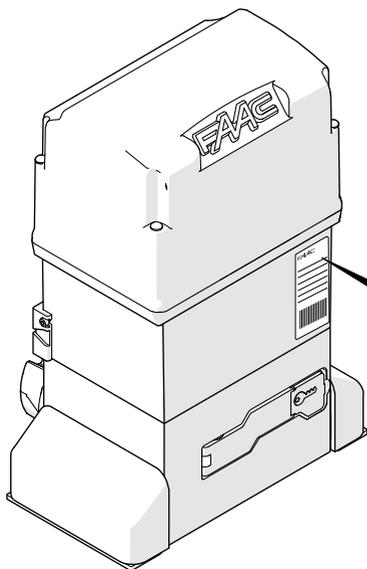


2.2 PRODUCT IDENTIFICATION

The product can be identified by the label (1) that shows the gearmotor rating and identification plate information:

- A Product name
- B Model (e.g.: 844 C)
- C P/N - product code
- D Identification number, composed of the P/N followed by the PRODUCTION NUMBER. For example: 0125 0001
The production number is composed of:

month of production	+	progressive number of the month of production
example: 01 25 (January 2025)		example: 0001 (progressive 1)
- E QR code to scan to view the identification number
- F Identification number in Data Matrix format

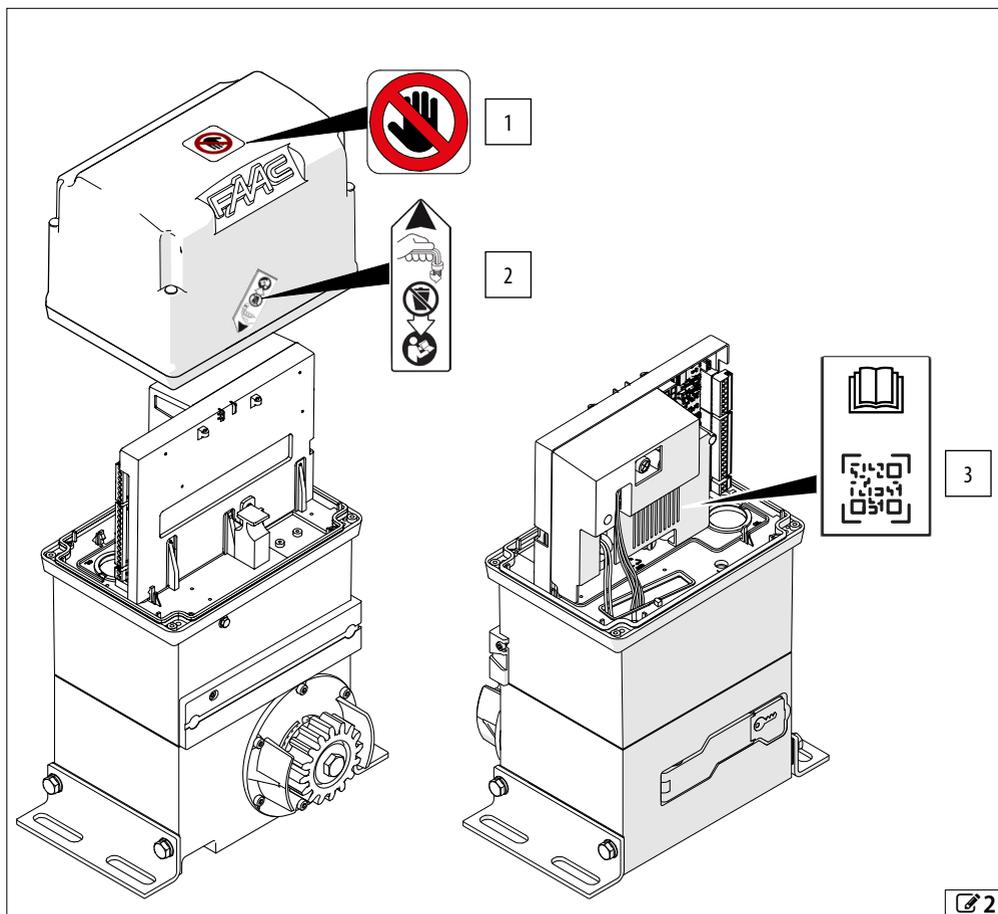


Example

1			
	FAAC spa Soc. Unigatesorte via Cabati, 10 - 40069 Zola Predosa Bologna, Italy		
A	SLIDING GATE DRIVE		
B	Model :		
C	P/N:		
	... V~	... Hz	... W
	... N*	IP ...	
	Ambient temperature range:		
	... ÷	... ° C	
	Made in ...	Designed in Italy	
D	S/N		
	... P/N	... MMY PROG	
E			F

MARKINGS ON THE PRODUCT

- 1 Adhesive sign on the casing. It indicates the breather screw that must be removed before start-up.
- 2 Sticker that indicates the risk of trapping fingers / hands due to the rotation of the pinion. It must be placed on the cover by the installer.
- 3 Adhesive sign on the product. Contains the QR code for direct access to the online manual.



2.3 INTENDED USE

FAAC series 746 C - 844 C gearmotors have been designed to control motorized horizontal movement sliding gates intended for installation in areas that are accessible to people, the main purpose of which is to provide safe access for goods, vehicles and people to industrial, commercial or residential buildings.

Only one gearmotor must be installed for each leaf. The system requires a special foundation plate (supplied separately) to be embedded in a plinth. The gate is moved by means of a drive pinion and a rack (supplied separately) located above the pinion.

To move the gate manually, follow the instructions in section § Manual operation.

Any other use that is not expressly specified in these instructions is prohibited and could affect the integrity of the product and/or represent a source of danger.

2.4 LIMITATIONS OF USE

The maximum force required to move the leaf by hand over its entire length of travel must be 225 N for residential areas and 260 N for industrial or commercial areas.

The maximum force required to start the movement must be less than the maximum torque at initial thrust of the operator indicated in the technical data.

The leaf must fall within the dimensional and weight limits indicated in the technical data.

The presence of weather conditions such as snow, ice and strong wind, even occasional, could affect the correct operation of the automation, the integrity of the components and be a potential source of danger (see § Emergency use).

746 C - 844 C is not designed to be a security (break-in protection) system.

If there is a pedestrian access gate integrated in the leaf of the gate, the motorised movement must be disabled when the pedestrian gate is not in a safe position.

The installation must be visible during the day and at night. If it is not, appropriate solutions must be provided to make the fixed and moving parts visible.

Implementing the automation requires the installation of the necessary safety devices, identified by the installer through an appropriate risk assessment of the installation site.

2.5 UNAUTHORISED USE

- Uses other than the intended use are prohibited.
- It is prohibited to install the automation system outside of the limits specified in the Technical Data and in the Mechanical and Electrical Installation Requirements.
- It is forbidden to use 746 C - 844 C in a constructional configuration other than the one provided by the manufacturer.
- No component part of the product may be modified.
- It is prohibited to install the automation system on escape routes.
- It is prohibited to install the automation system to create fire doors.
- It is prohibited to install the automation system in environments in which there is a risk of explosion and/or fire: the presence of flammable gases or fumes is a serious safety hazard (the product is not ATEX certified).
- It is prohibited to power the system with energy sources other than those specified.
- It is prohibited to integrate commercial systems and/or equipment other than those specified, or use them for purposes not intended and authorised by their respective manufacturers.
- Do not allow water jets of any type or size to come into direct contact with the gear motor.
- Do not expose the gear motor to corrosive chemicals or atmospheric agents.
- It is prohibited to use and/or install accessories which have not been specifically approved by FAAC S.p.A.
- It is prohibited to use the automation system before performing commissioning.
- It is prohibited to use the automation system in the presence of faults which could compromise safety.
- It is prohibited to use the automation system with the fixed and/or mobile guards removed or altered.
- Do not use the automation system unless the area of operation is free of persons, animals or objects.
- Do not enter/remain in the area of operation of the automation system while it is moving.
- Do not try to prevent the movement of the automation system.
- Do not climb on, hold onto or let yourself be pulled by the leaf. Do not climb onto the gear motor.
- Do not allow children to approach or play in the area of operation of the automation system.
- Do not allow the control devices to be used by anyone who is not specifically authorised and trained to do so.
- Do not allow the control devices to be used by children or persons with mental and physical deficiencies unless they are supervised by an adult who is responsible for their safety.
- During manual operation, gently guide the leaf the whole way, do not push it and let it slide freely.

2.6 EMERGENCY USE

In emergencies or if there is a fault, turn off the power supply to the automation. If the leaf can be moved safely by hand, use the **MANUAL OPERATION** mode; otherwise place the automation out of service until it has been reset/repaired.

In the case of a breakdown, the automation must be reset/repaired exclusively by the installer/maintenance technician.

2.7 MANUAL OPERATION

In order to operate the leaf manually, the gearmotor has to be released using the lever with key.

RELEASING THE GEARMOTOR



1. Open the lock cover.
2. Insert the key and turn it clockwise by 90°.
3. Open the release lever by 90°.

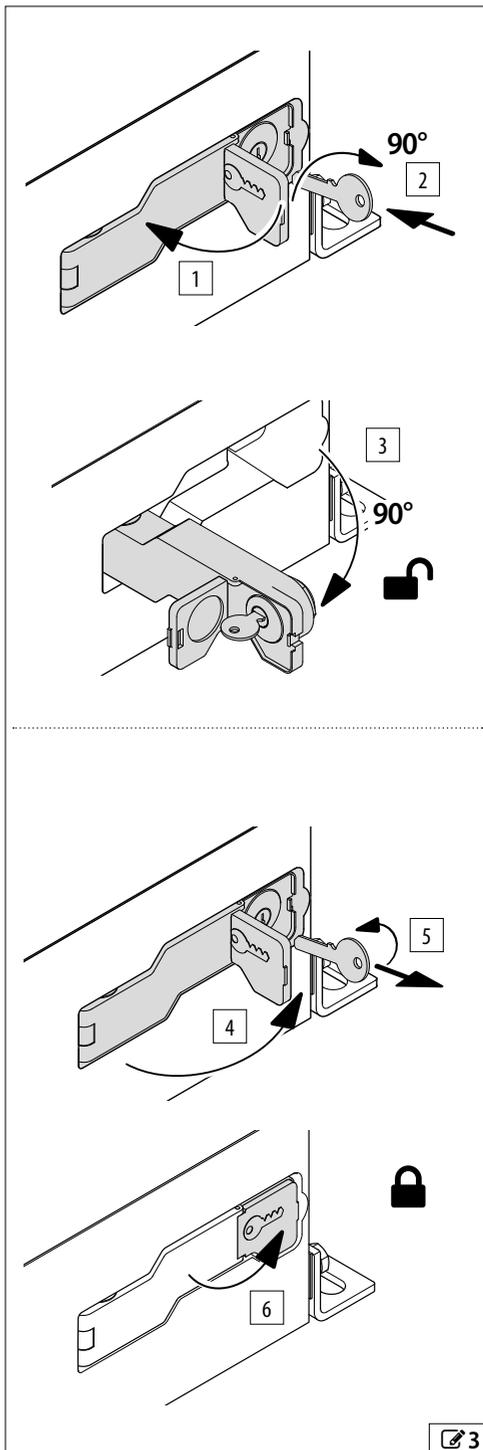
RESTORING OPERATION



Make sure that the gate is closed with the relative limit switch engaged before turning the power back on and operating the automation.

4. Close the release lever.
5. Turn the key so that it is vertical and remove it.
6. Close the lock cover.

Move the leaf manually to make sure that the mechanical system meshes correctly.



2.8 TECHNICAL SPECIFICATIONS

The product is an electromechanical gearmotor supplied with a built-in E781S LC electronic board and a pinion for the rack.

VERSIONS

- 746 C Z16, 746 C Z20, 844 C Z16, 844 C Z16 115V

The versions differ according to the type of motor, capacitor, pinion (Z16 or Z20) and power supply voltage 230V / 115V:

IRREVERSIBLE SYSTEM

In order to be operated manually, the gearmotor has to be released using the lever with key.

OIL-BATH LUBRICATION

Oil bath lubrication ensures very silent operation, high heat dissipation and reduced wear and high frequency of use.

MAGNETIC OPENING/CLOSING LIMIT SWITCHES

The magnetic limit switches, to be mounted on the rack, are very reliable due to the absence of moving mechanical parts and micro switches.

2-LEAF CONFIGURATION

It is possible to install 2 automations with opposed synchronous movement.

- ELECTRONIC BOARD E781S LC

See the dedicated instructions:



<https://www.faac.help/products/e781/>

TECHNICAL DATA

1 Technical data 746 C

	746 C Z16 data referring to 230 V~ @50 Hz	746 C Z20 data referring to 230 V~ @50 Hz
Power supply voltage	220 - 240 V~ @50/60 Hz	220 - 240 V~ @50/60 Hz
Max power	350 W	350 W
Pinion	Z16 Module 4	Z20 Module 4
Max torque at initial thrust	466 N	372 N
Max thrust force	830 N	665 N
Max leaf weight	600 kg	400 kg
Max leaf speed	9.6 m/min	12 m/min
Max leaf length	40 m	50 m
Stopping space	30 mm	30 mm
Type of use	Industrial/Commercial/Residential	Industrial/Commercial/Residential
Use frequency	Continuous use	Continuous use
Protection rating	IP44	IP44
Ambient operating temperature	-20°C - +55°C	-20°C - +55°C
Thrust capacitor	12.5 µF	12.5 µF
Thermal protection	120°C automatic rearming	120°C automatic rearming
Sound pressure (LpA)	≤ 70 dB(A)	≤ 70 dB(A)
Oil	supplied by FAAC	supplied by FAAC
Gearmotor weight	16.2 kg	16.5 kg

2 Technical data 844 C

	844 C Z16 data referring to 230 V~ @50 Hz	844 C Z16 115V data referring to 115 V~ @60 Hz
Power supply voltage	220 - 240 V~ @50/60 Hz	110 - 120 V~ @50/60 Hz
Max power	680 W	900 W
Pinion	Z16 Module 4	Z16 Module 4
Max torque at initial thrust	606 N	619 N
Max thrust force	1300 N	1275 N
Max leaf weight	1800 kg	1800 kg
Max leaf speed	9.6 m/min	11.7 m/min
Max leaf length	40 m	40 m
Stopping space	30 mm	30 mm
Type of use	Industrial/Commercial/Residential	Industrial/Commercial/Residential
Use frequency	Continuous use	Continuous use
Protection rating	IP44	IP44
Ambient operating temperature	-20°C - +55°C	-20°C - +55°C
Thrust capacitor	18 µF	70 µF
Thermal protection	120°C automatic rearming	120°C automatic rearming
Sound pressure (LpA)	≤ 70 dB(A)	≤ 70 dB(A)
Oil	supplied by FAAC	supplied by FAAC
Gearmotor weight	16.9 kg	16.9 kg

OPERATION IN AMBIENT OPERATING TEMPERATURE OF 65°C

746 C - 844 C the 230V version can operate at temperatures from 55 to 65°C under the following conditions.

	746 CZ16/844 CZ16	746 CZ20
Use frequency	28 cycles/h*	36 cycles/h*
Max. load on accessories load including BUS 2easy accessories	400 mA (instead of 500 mA)	400 mA (instead of 500 mA)

* The cycles/hour refer to a leaf of maximum weight and 5 m wide.

2.9 COMPONENT IDENTIFICATION

COMPONENTS SUPPLIED

Gearmotor

- 1 Cover
- 2 Electronic board E781S LC with protective cover
- 3 Thrust capacitor (inside the half-body)
- 4 Limit switch sensor
- 5 Pinion (Z16/Z20 Module 4) with hand guard
- 6 Encoder
- 7 Oil filler plug
- 8 Earth connector
- 9 Gearmotor body
- 10 Release lever with key
- 11 Mounting brackets

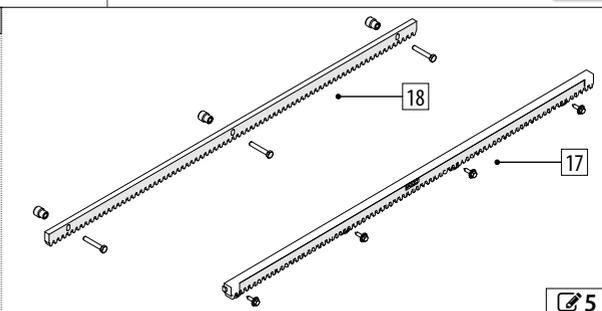
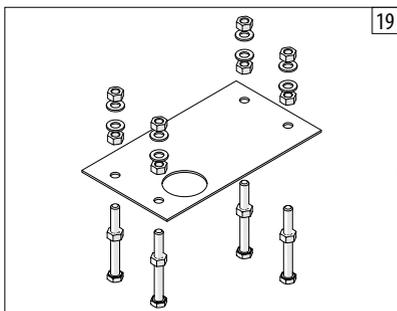
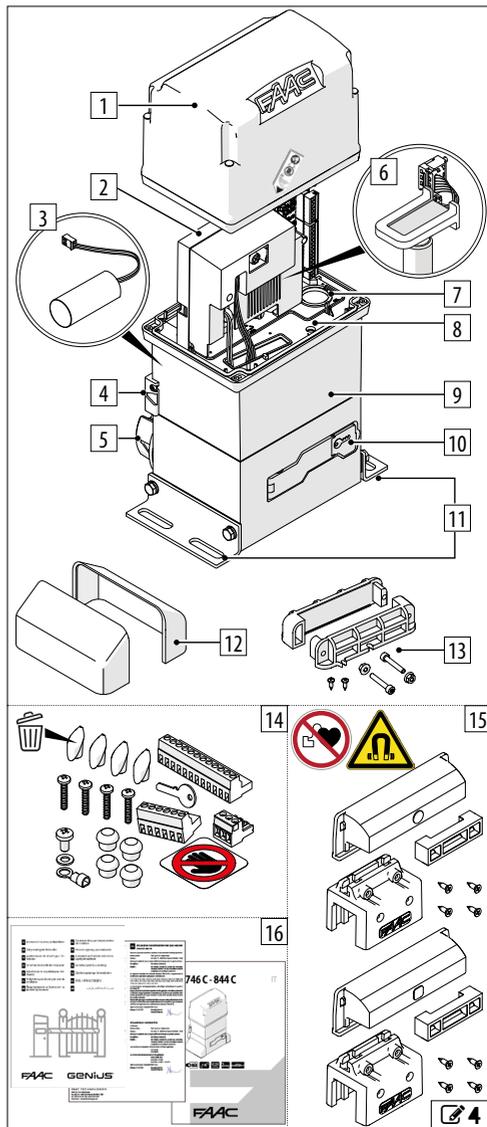
Hardware/accessories

- 12 Gearmotor bracket guards
- 13 Cable glands to install in the cable compartment
- 14 Screws and screw covers for the cover, terminal boards, cable lug for earth cable and adhesive hazard warning sign, release key
- 15 Closing and opening magnetic limit switches
- 16 Supplied documentation (hard copy and online)

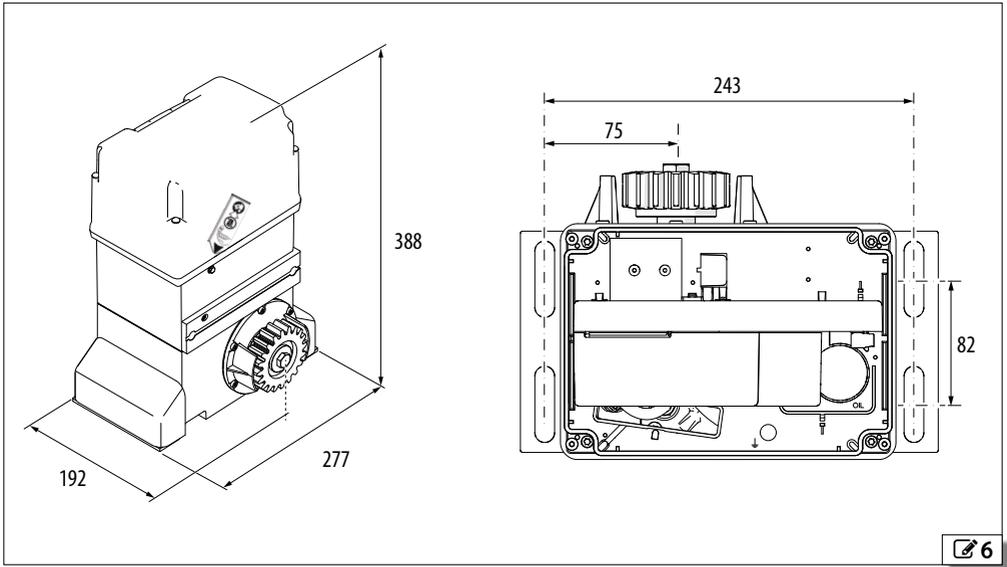
COMPONENTS SUPPLIED SEPARATELY

The installation requires the following FAAC components.

- 17 Nylon rack with mounting hardware (for leaves weighing up to 400 kg max) and Self-tapping screw kit/Steel rack with spacers (for leaves weighing more than 400 kg)
 - 19 Foundation plate with mounting hardware
- DANGER, AUTOMATIC MOVEMENT warning sign



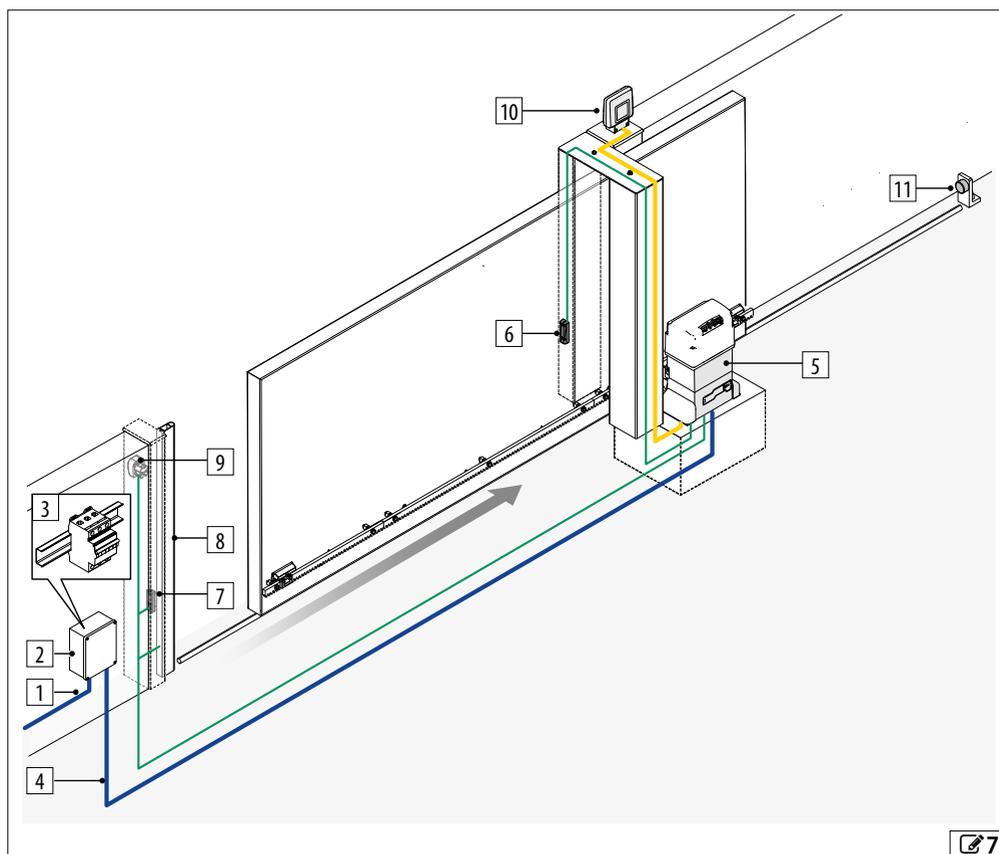
2.10 DIMENSIONS



2.11 EXAMPLE SYSTEM

The example is an illustration only and is just one of the possible applications.

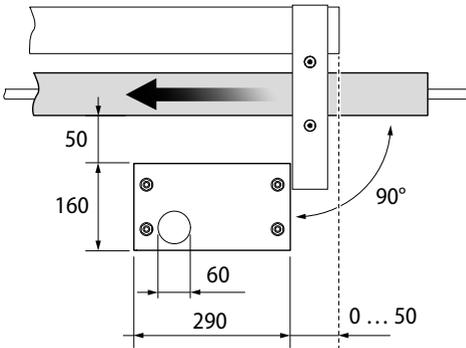
- | | | |
|----|--|---|
| 1 | Mains power supply | 3G 1.5 mm ² (max 2.5 mm ²) |
| 2 | Junction box | |
| 3 | Circuit breaker and differential switch | |
| 4 | Gearmotor power supply and limit switch cables | |
| 5 | Gearmotor | |
| 6 | Photocell TX | |
| 7 | Photocell RX | |
| 8 | Sensitive edges | |
| 9 | Key button | |
| 10 | Flashing light | |
| 11 | Mechanical stop | |



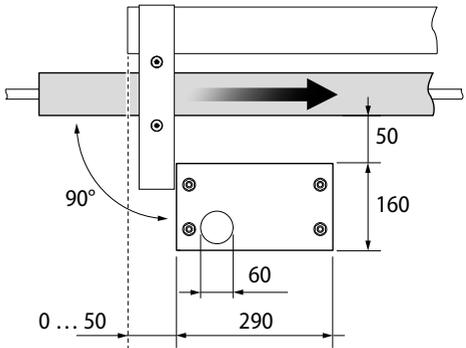
2.12 INSTALLATION DIMENSIONS

■ FOUNDATION PLATE

Opening to the left



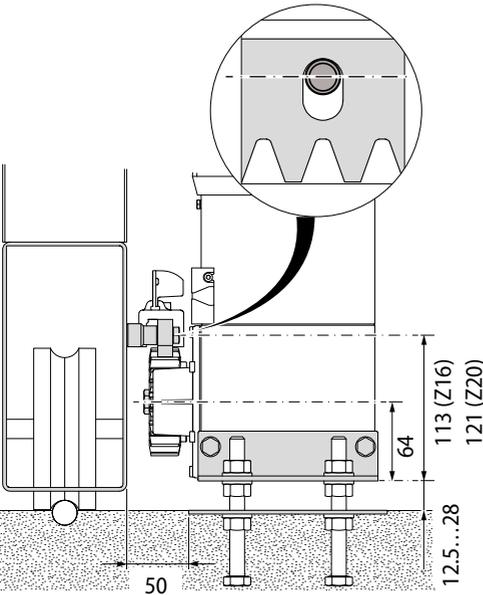
Opening to the right



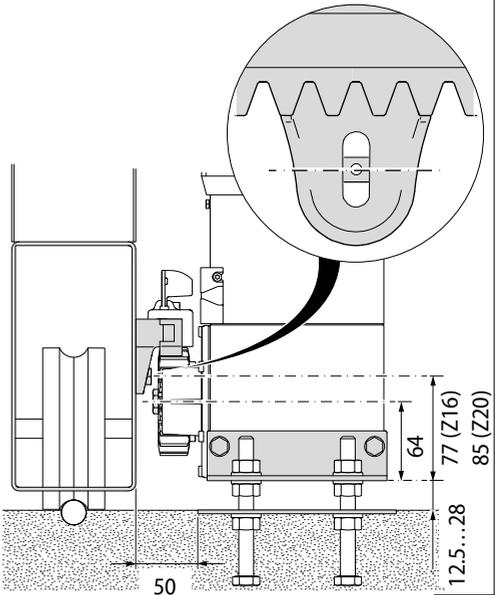
Height of the upper edge of the pinion from the ground.

99 (Z16)
107 (Z20)

■ Steel rack



■ Nylon rack



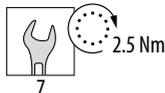
3. MECHANICAL INSTALLATION

TOOLS REQUIRED

The tools required are indicated below.

 Spanner 7-19	 Phillips screwdrivers 3, 8
 Level	 Angle grinder
 Screw clamp	 Welder (for steel rack to be welded on)
 Drill bit for metal 5, 6.5	 Thread cutter (for screw-on steel rack) M8

TORQUE ADJUSTMENT - comply with fastening torque indicated in the figure. E.g.: Spanner 7 set at 2.5 Nm

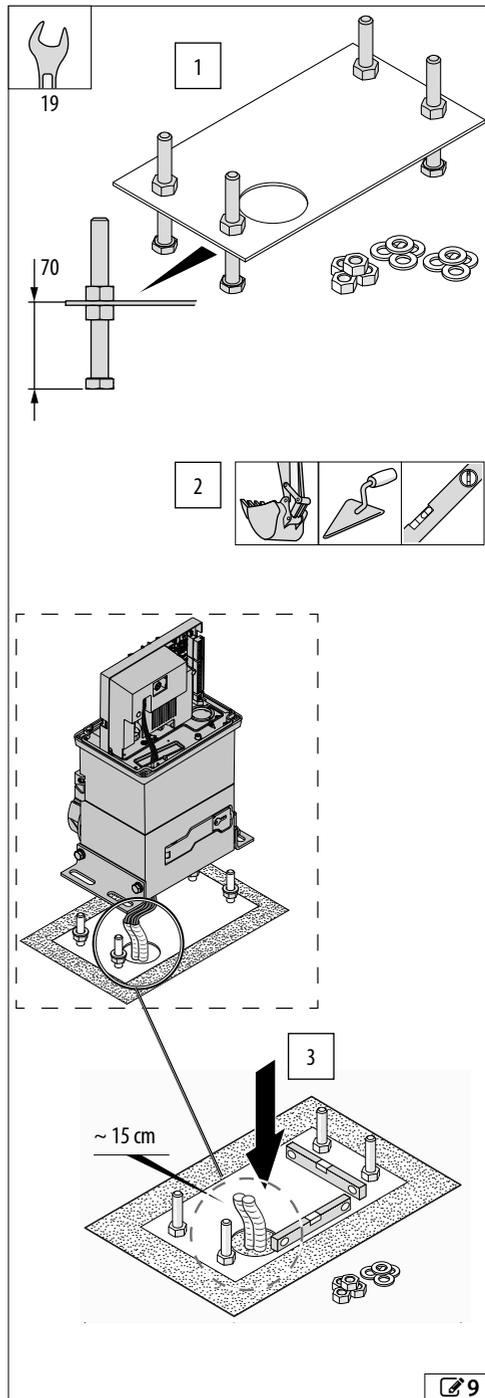


3.1 INSTALLING THE FOUNDATION PLATE

The product must be installed with the foundation plate.

 Before proceeding, the cable glands must be laid.

1. Assemble the foundation plate.
2. Make the hole in the ground.
 - Make sure that the cable conduits protrude by approximately 15 cm, in the correct position with respect to the gearmotor and fill with concrete.
3. Place the plate at the centre of the foundation, leaving its surface uncovered.
 - Clean any concrete from the surface of the plate and the nuts with washers so that they can be subsequently adjusted.
 - Check the plate is horizontal using a spirit level.
4. Wait for the concrete to set.

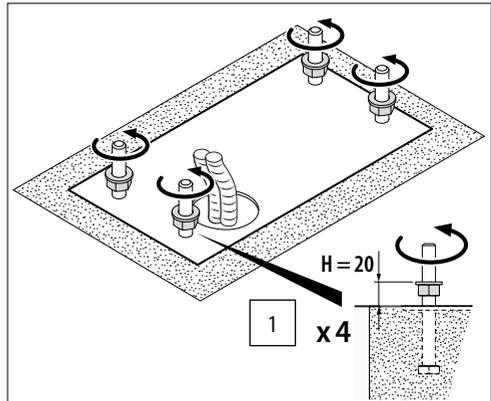


3.2 INSTALLING THE GEARMOTOR

1. Make sure that the concrete of the plinth has set completely, then adjust all the support nuts to the height indicated in figure (H).
2. Place the washers on the nuts. Remove the casing from the gearmotor. Position the gearmotor in correspondence with the 4 fasteners.
 - Pass the electric cables through the hole on the base so that they protrude by approximately 70 cm.

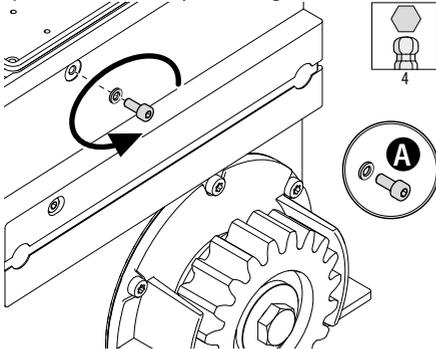
i Be careful not to damage the electrical cable tubes.

3. Make sure that the gearmotor is level. Insert the washers and nuts.
 - Do not tighten the nuts so that the height can be adjusted when the rack is being installed.

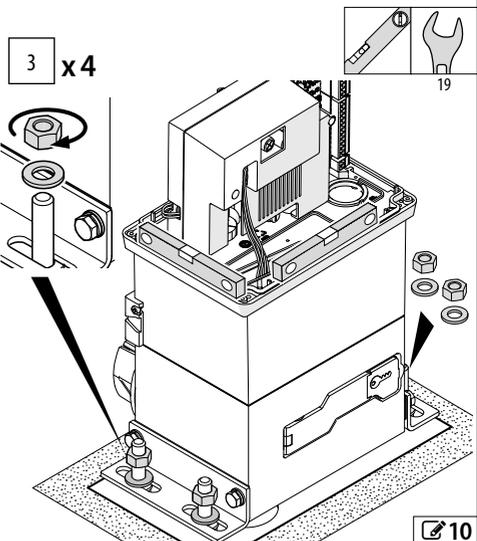
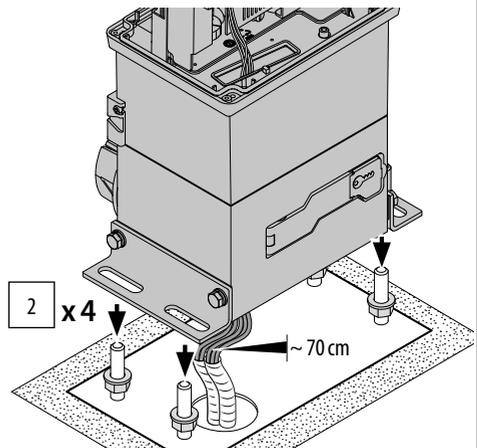


OPEN THE VENT HOLE

Open the vent hole by removing the screw and washer.



i A few drops of oil may leak out after the vent hole has been opened, even due to the initial movements. Keep the screw and washer (A) as they will have to be reinstalled before removing the gearmotor, if necessary.



3.3 INSTALLING THE RACK

- i** - DO NOT weld the spacers onto the racks.
- DO NOT weld the elements of the rack together.
- DO NOT apply grease or other lubricants to the racks.

STEEL RACK - WELD-ON FASTENINGS

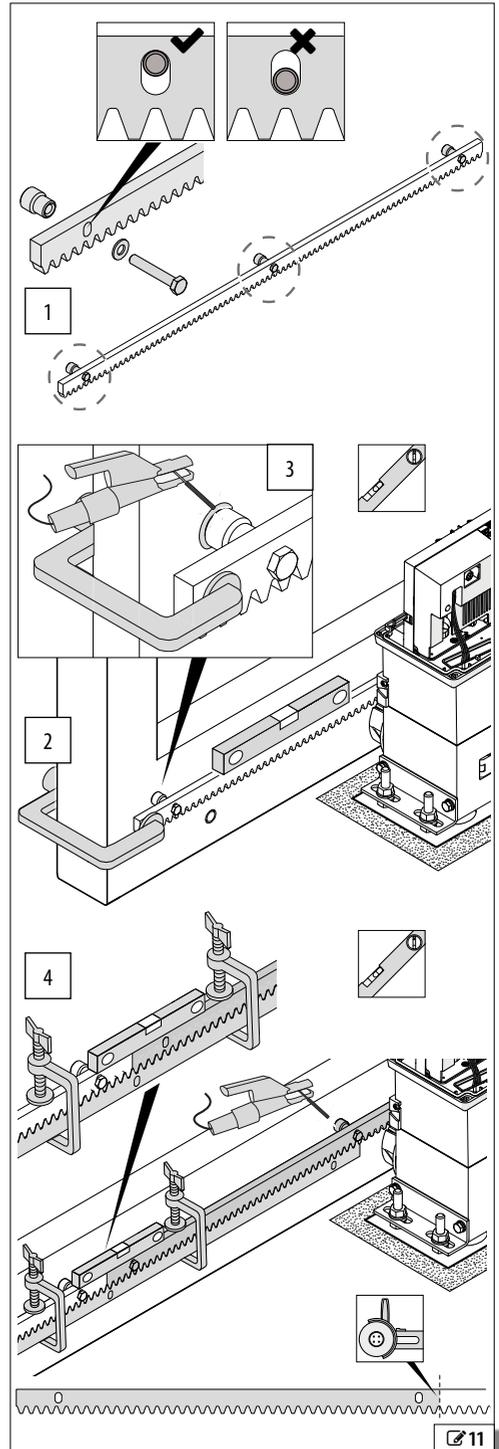
- i** **Rack thickness:** 8 mm for leaves weighing up to 400 kg max
12 mm for leaves weighing more than 400 kg.

1. Screw 3 spacers onto each element of the rack, positioned so that they touch the top of the slots. Open the leaf manually.
2. Rest an element on the pinion. Check that it is horizontal and secure it to the leaf using a screw clamp.
3. Weld the first spacer to the leaf and then move the leaf with the rack resting on the pinion. Make sure that it is horizontal and weld on the other spacers.

- i** Protect the gearmotor from weld spatter. DO NOT connect the earth of the welder to the gearmotor.

4. Move the leaf. Connect the next element (use screw clamps and a support). Rest it on the pinion, make sure that it is horizontal, and weld the spacers. Remove the screw clamps and repeat the procedure to complete the rack.

- i** If an element of the rack has to be shortened, cut it with an angle grinder, leaving two fastening points.



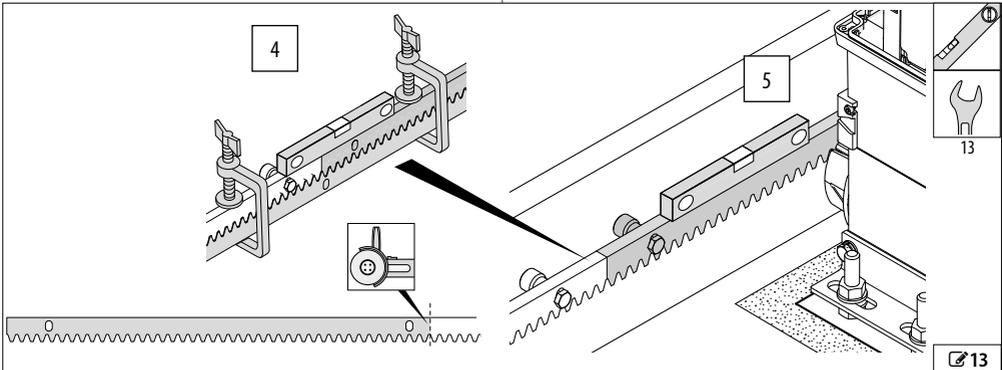
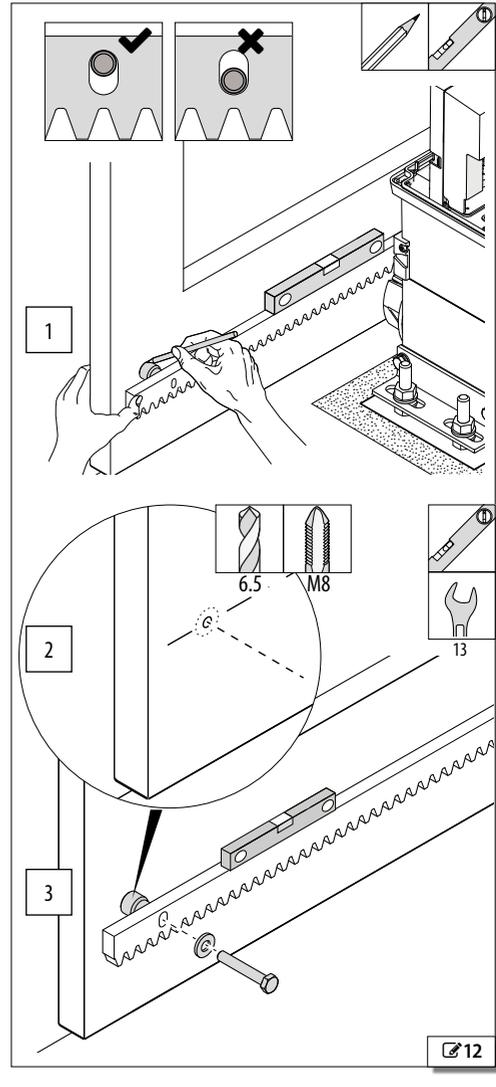
STEEL RACK - SCREW-ON FASTENINGS

i **Rack thickness:** 8 mm for leaves weighing up to 400 kg max
 12 mm for leaves weighing more than 400 kg.
 The rack installation accessories contain screws for aluminium or steel leaves. Use specific screws for other materials.

1. Open the leaf manually. Rest an element on the pinion. Place a spacer between the rack and the leaf so that it touches the top of the slot. Check that it is horizontal. Mark the position of the hole to be drilled on the leaf.
2. Drill the hole and make a thread in it.
3. Fasten using the screw and washer. Move the leaf with the rack resting on the pinion. Make sure that it is horizontal and fasten the other spacers.
4. Move the leaf manually. Connect the next element (use screw clamps and a support).
5. Rest it on the pinion, make sure that it is horizontal, and fasten the spacers.

Remove the screw clamps and repeat the procedure to complete the rack.

i If an element of the rack has to be shortened, cut it with an angle grinder, leaving two fastening points.



NYLON RACK

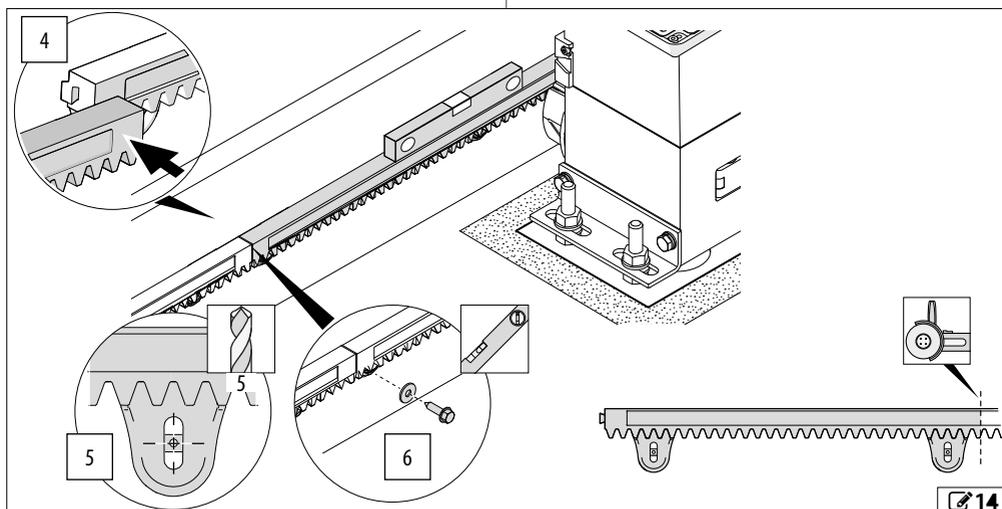
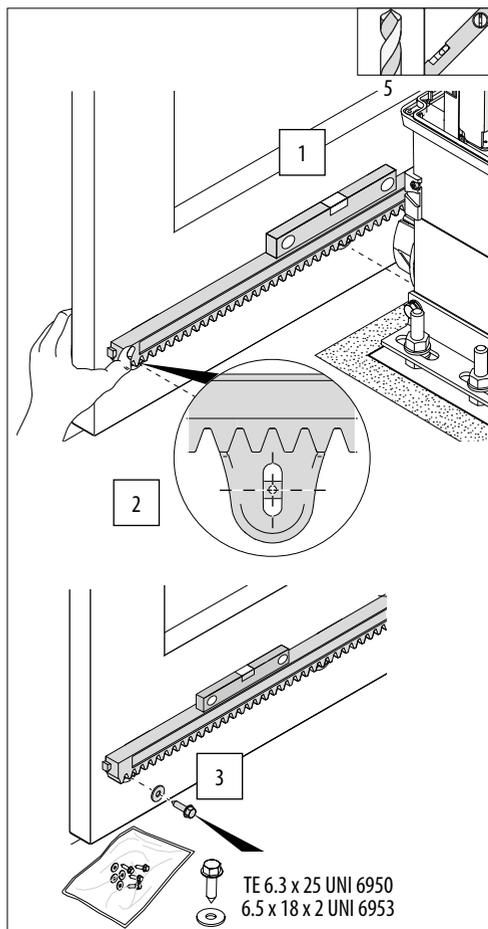
i Rack thickness: 20 mm for leaves weighing up to 400 kg max.

1. Close the leaf manually. Rest an element of the rack on the pinion. Make sure that it is horizontal using a spirit level.
2. Drill holes at the centre of the slots.
3. Fasten using suitable screws and washers.

i Self-tapping screws and washers are available for aluminium or steel and should be ordered separately.

4. Move the leaf manually. Install the next interlocking section at the end of the previous one and rest it on the pinion. Make sure that it is horizontal using a spirit level.
 5. Drill holes at the centre of the slots.
 6. Fasten using suitable screws and washers.
- Repeat the procedure to complete the rack.

i If an element of the rack has to be shortened, cut it with an angle grinder, leaving two fastening points.

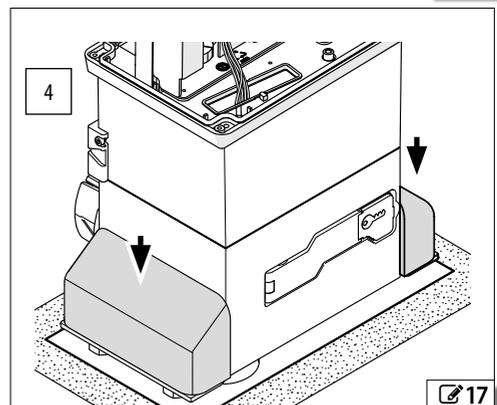
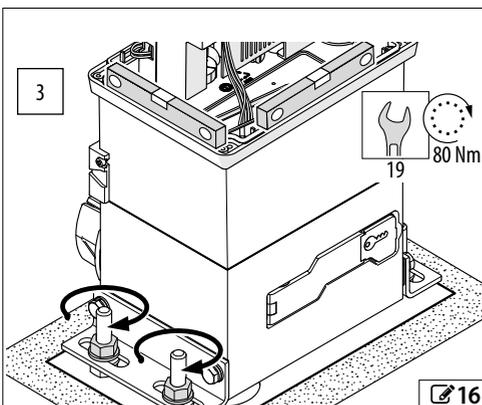
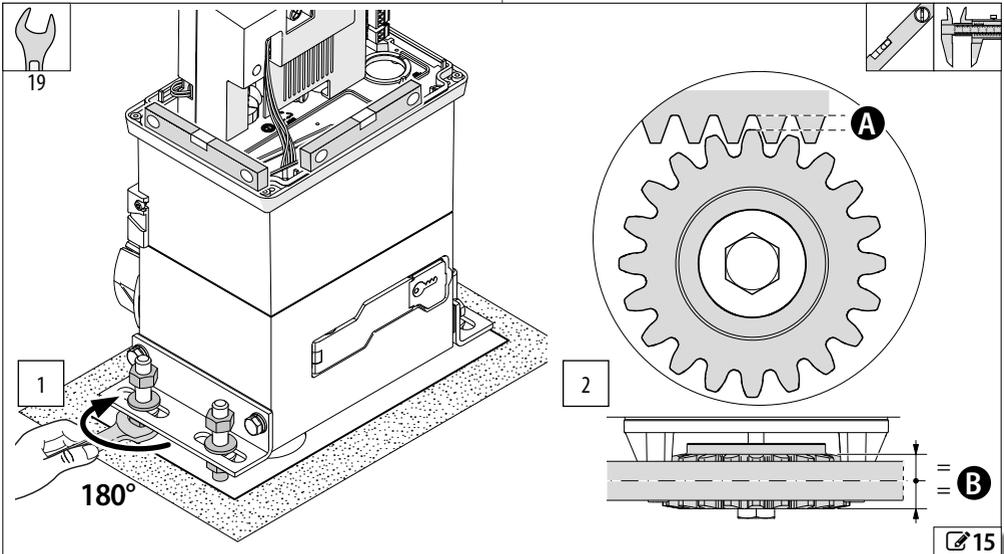


3.4 ADJUSTING AND FASTENING PERMANENTLY

In order for it to work correctly, the rack must never rest on the pinion.

1. Lower the gearmotor: turn the 4 support nuts clockwise by half a turn (a constant distance (A) between pinion and rack is constant for the entire length of travel).
2. Carry out the following checks (move the leaf manually to check the entire length of travel and all the elements of the rack).
 - Distance (A): with the gearmotor locked, it must be possible to rock the leaf manually to the left and right by a few millimetres.
 - Gearmotor levelling: use a spirit level.
 - Centring (B) of the rack and pinion.
3. Tighten the upper nuts to the fastening torques

- indicated in the figure.
4. Press the guards onto the brackets.



4. OPTIONAL EQUIPMENT

4.1 LOCK WITH PERSONALISED KEY

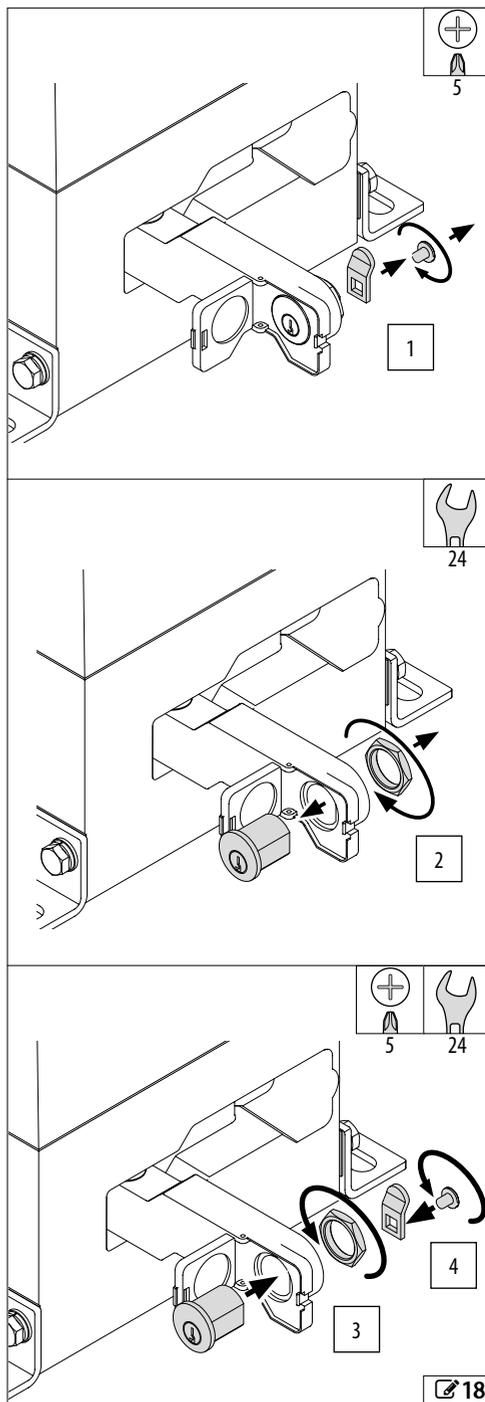
■ Removing the existing lock

1. Open the release lever using the key and then remove the screw and the locking lever.
2. Remove the nut and the existing lock.

■ Installing the new lock

3. Install the lock and secure it using the nut.
4. Insert the locking lever vertically and fasten it using the screw.

Make sure that the release lever works, using the new keys.



5. ELECTRONIC INSTALLATION AND START-UP

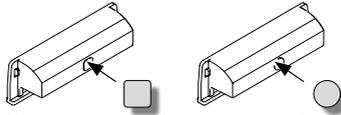
Refer to the § E781S LC instructions to carry out the electronic installation and start-up of the automation:



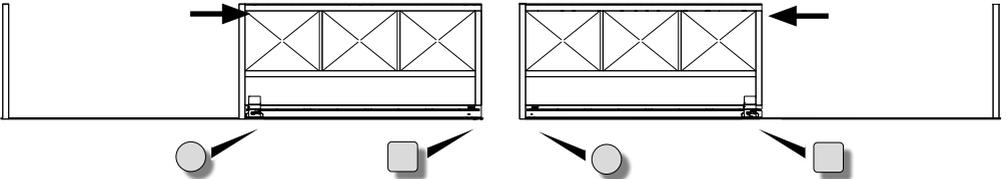
<https://www.faac.help/products/e781/>

5.1 INSTALLING THE LIMIT SWITCHES

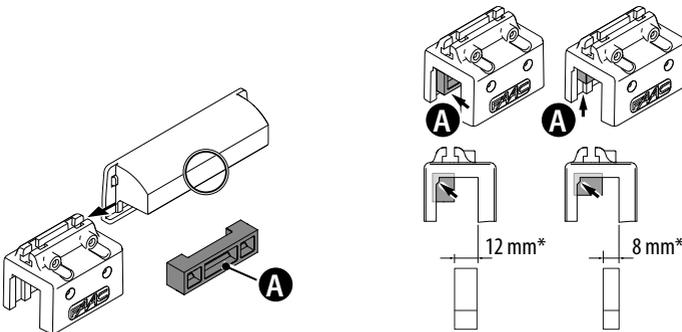
i The two limit switches are marked with different symbols: square / circle.



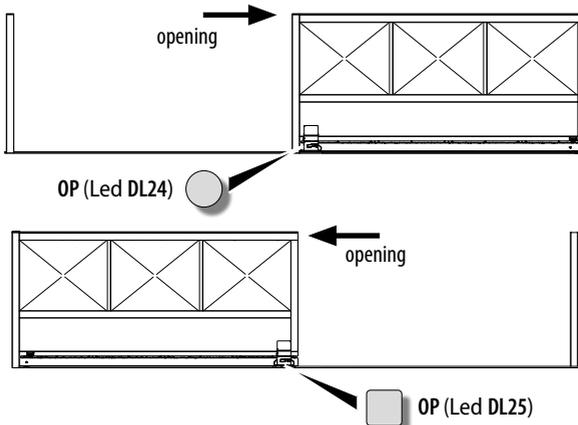
The limit switch marked with the **SQUARE** must always be positioned to the right of the gearmotor.
The limit switch marked with the **CIRCLE** must always be positioned to the left of the gearmotor.



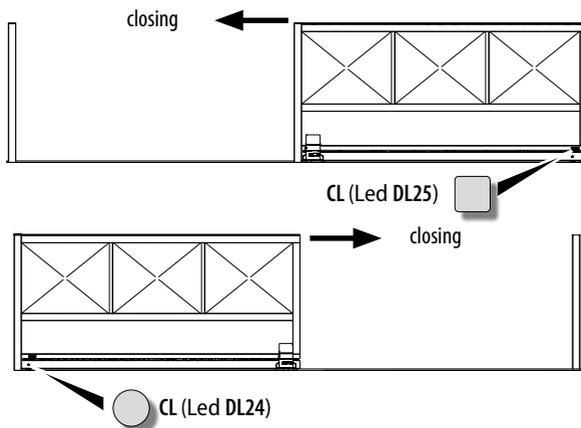
1. Assemble the limit switches. If a steel rack is installed, insert the spacer (A) and position it according to the thickness of the rack (8 or 12 mm*).



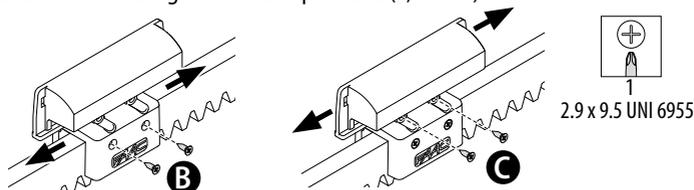
2. Release the gearmotor and open the leaf manually in order to install the **OPENING** limit switch. Switch on power to the electronic board and program the direction of movement (see E781S LC programming instructions).
3. Position the **OPENING** limit switch (**OP**) at the end of the rack according to the opening direction. Slide the limit switch along the rack in the opening direction until the **corresponding LED on the board turns off**. Slide the limit switch along the rack for about another 4 cm.



4. Follow the same procedure to install the closing limit switch: close the leaf manually and position the **CLOSING** limit switch (CL) at the end of the rack according to the closing direction of the leaf. Slide the limit switch along the rack in the closing direction until **the corresponding LED on the board turns off**. Slide the limit switch along the rack for about another 4 cm.



5. Fasten both limit switches using the 4 screws provided (B, then C).



6. At the end of the procedure, restore gearmotor operation.

6. PUTTING INTO SERVICE

Once the electronic installation has been completed and the automation has been started up, carry out the final operations listed below in accordance with the electronic board instructions.



<https://www.faac.help/products/e781/>

6.1 FINAL OPERATIONS

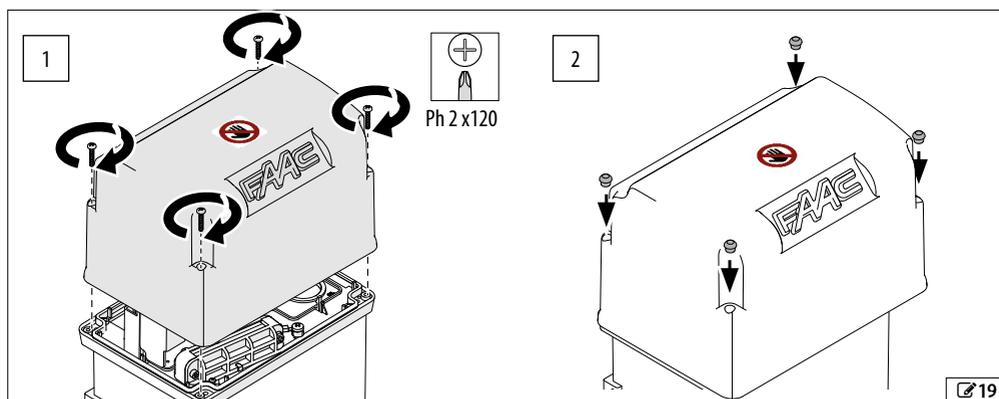
1. Carry out a complete functional test of the automation and all the installed devices.
2. Make sure that the forces generated by the leaf are within the limits permitted by the current regulations. Use an impact force tester in accordance with standard EN 12453. For non-EU countries, if there are no specific local regulations, the static force must be less than 150 N. If necessary, adjust the anti-crushing system and make any other adjustments that may be necessary.
3. Make sure that the maximum force required to move the leaf manually is less than 225 N in residential areas and 260 N in industrial or commercial areas.
4. Highlight all areas with adequate warning signs in which there are still residual risks, even if all possible safety measures having been adopted.
5. Place a "DANGER, AUTOMATIC MOVEMENT" sign (not supplied) in a prominent position on the gate.
6. Attach the CE marking to the gate.
7. Fill out the EC declaration of conformity and the system register.
8. Give the EC Declaration, the system register with the maintenance plan and the instructions for use of the automation to the system owner.

INSTALLING THE COVER

 Install the cover once the gearmotor has been start-up.

Apply the adhesive sign to the cover: risk of fingers and hands being trapped due to the rotation of the pinion and the movement of the rack.

1. Install and fasten the casing.
2. Press the screw caps on.



7. MAINTENANCE

7.1 SCHEDULED MAINTENANCE

It is mandatory to carry out the operations indicated in table 3 Maintenance of 746 C - 844 C, in order to keep the operator working reliably and safely.

The installer/machine manufacturer is responsible for drawing up the maintenance plan for the machine, supplementing this list or shortening maintenance intervals according to the machine characteristics and current local regulations.

3 Scheduled maintenance

Maintenance 746 C - 844 C	Frequency in months
Check that the cover/casing and all the movable guards are integral and that they are fastened correctly. Tighten screws and bolts where necessary.	12
Check that the body of the operator is undamaged.	12
Check the fastening torque of the brackets and screws that secure the gearmotor to the foundation plate.	12
Check the wear of the pinion (replace if necessary).	12
Check that the pinion and rack engage correctly and that the distance between them is correct.	12
Check that it is irreversible.	12
Make sure that there is no oil leaking from the seals.	12
Check that the limit switches are intact and their correct operation and adjustment.	12
Check that the cable gland in the cable compartment is intact and that it works correctly.	12
Make sure that the manual release is working correctly.	12
Check that the hand-hazard warning sticker is present and intact.	12
Generally clean the gearmotor with a clean cloth, moistened with a neutral detergent.	12
Check that the connectors and wiring are intact. Check that there are no signs of overheating, burning etc. of electronic components.	12
Check that the earth connections are intact and that the circuit breaker and differential switch are working correctly.	12
Check that the encoder is working properly.	6

Maintenance of other components: STRUCTURES	Frequency in months: follow the manufacturer's instructions
Check the plinth, the structures and components of the building/fence adjacent to the automation, ensuring there is no damage, cracking or subsidence.	
Check the gate's area of movement, ensuring it is free from obstacles, objects or deposits which would reduce the effectiveness of the safety measures.	
Check that there are no gaps in the perimeter fence and that any protective grilles in the area where it overlaps with the mobile leaf are intact.	
Ensure that there are no sharp protrusions which could represent a perforation or hooking hazard.	
Check the leaf containing guide and the anti-tipping column, ensuring they are correctly fastened and intact.	
Perform a general clean of the area of movement of the gate.	
Check that the sliding guides are straight and not excessively worn.	
Check that the mechanical stops are fastened solidly and in good condition. This check must be performed on both sides, simulating any knocks which could occur during use.	

Maintenance of other components: GATE	Frequency in months: if not indicated, follow the manufacturer's instructions
Check the frame: make sure that it is fixed correctly, that it is intact and that there is no deformation or damage. Tighten screws and bolts where necessary.	-
Check the leaf: make sure that it is intact and that there is no deformation or damage.	-
Check that the pedestrian door integrated in the sliding leaf is intact (if present).	-
Check that the bearings are in good condition and there is no friction. Check the wheels, ensuring that they are intact, correctly fastened and free of deformation, wear and rust.	-

Check the rack, ensure it is straight, not worn, that it is the correct distance from the pinion along its entire length and correctly fastened to the gate.	12
Cantilever gate, check the solidity of the guide system for the suspended leaf and the counterweight, if present.	-
Perform a general clean of the area of movement of the gate.	12
Make sure that the pictograms are present and intact. If they are missing or damaged, replace them.	12
PROTECTIVE DEVICES AND CONTROL DEVICES	
Check that the protective devices are intact and that they operate correctly.	-
Check that the control devices are intact and that they operate correctly.	-
Check that each pair of photocells is working correctly and that there is no optical/light interference between the pairs of photocells.	6
Check that indicator lights are intact that they are working correctly, if present.	-
GATE COMPLETE WITH GEARMOTOR	
Check that the gate operates properly in both directions with all the devices installed.	6
Check that the gate moves correctly - smooth, regular and without making abnormal noises.	6
Check that both the opening and closing speed are correct and that the expected stop positions and slowdowns are correct.	6
Check that the safety devices (e.g. sensitive edges) are working correctly, if present.	6
Repeat the operations in the "Final checks" section.	6
Check that the gate's CE marking and the DANGER, AUTOMATIC MOVEMENT warning sign is present, intact and legible.	12

8. INSTRUCTIONS FOR USE

It is the installer's responsibility to provide the operator of the automation system with the instructions for use, maintenance and disposal, including the following information and the instructions for the electronic board: <https://www.faac.help/products/e781/>

8.1 EMERGENCY USE

In emergencies or if there is a fault, turn off the power supply to the automation. If the leaf can be moved safely by hand, use the **MANUAL OPERATION** mode; otherwise place the automation out of service until it has been reset/repaired.

In the case of a breakdown, the automation must be reset/repared exclusively by the installer/maintenance technician.

8.2 MANUAL OPERATION

In order to operate the leaf manually, the gearmotor has to be released using the lever with key.

RELEASING THE GEARMOTOR



1. Open the lock cover.
2. Insert the key and turn it clockwise by 90°.
3. Open the release lever by 90°.



During manual operation, gently guide the leaf the whole way. Do not push the leaf and let it slide freely. Do not leave the gearmotor in the released mode: restore automatic operation after moving it manually.

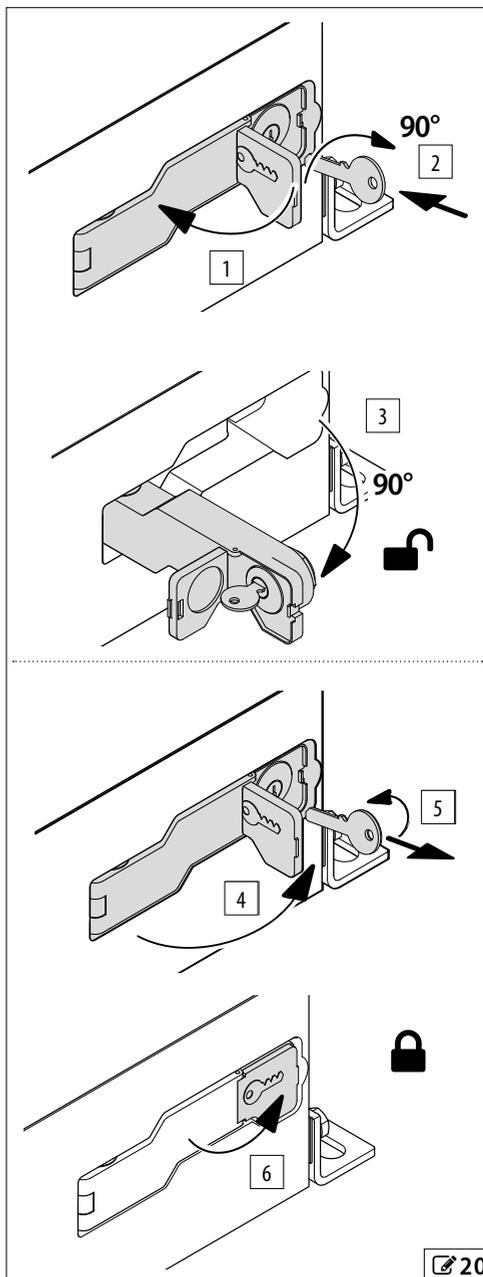
RESTORING OPERATION



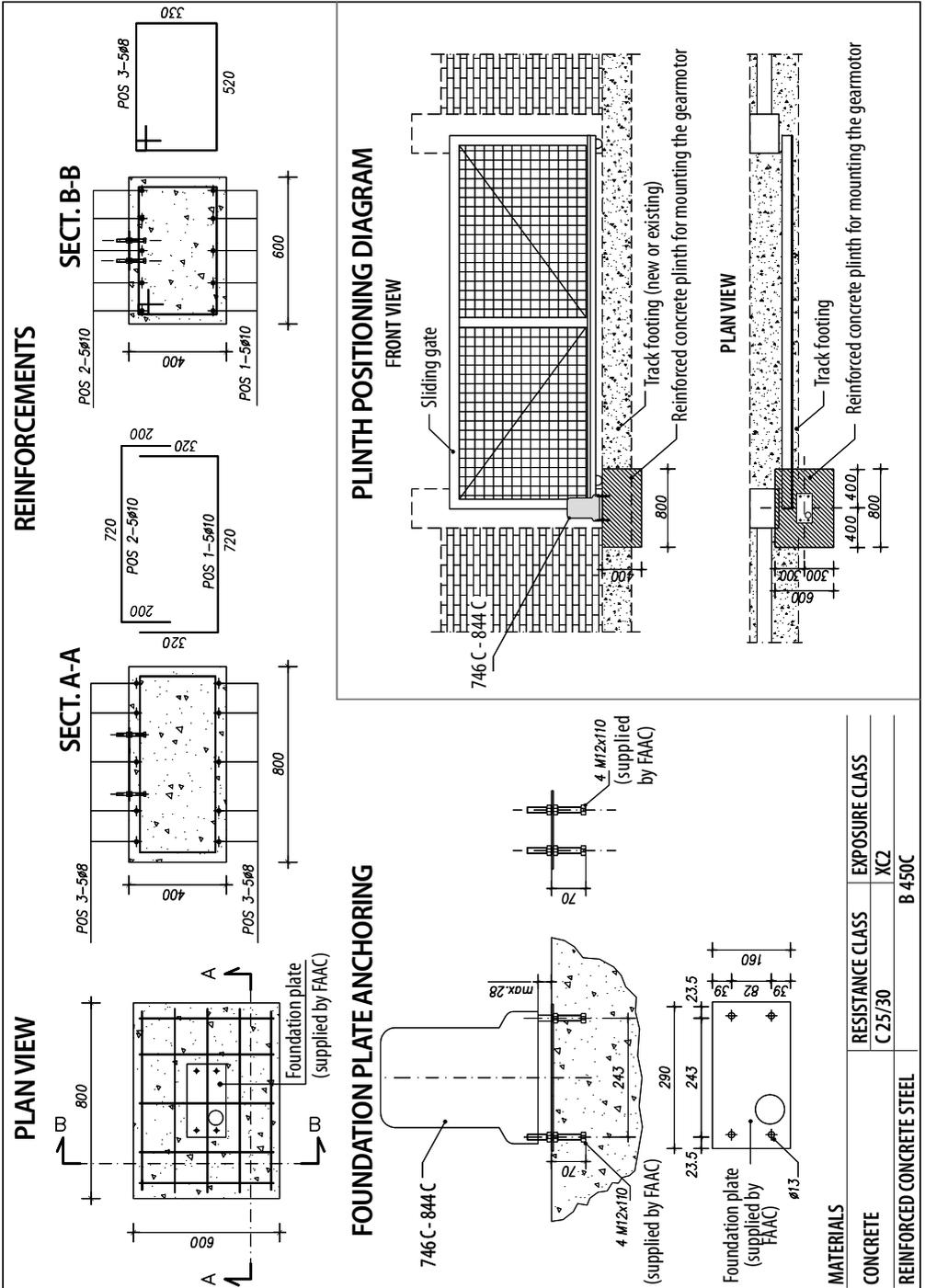
Make sure that the gate is closed with the relative limit switch engaged before turning the power back on and operating the automation.

4. Close the release lever.
5. Turn the key so that it is vertical and remove it.
6. Close the lock cover.

Move the leaf manually to make sure that the mechanical system meshes correctly.



1 Foundation for leaves of maximum weight and width



MATERIALS	RESISTANCE CLASS	EXPOSURE CLASS
CONCRETE	C 25/30	XC2
REINFORCED CONCRETE STEEL		B 450C



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