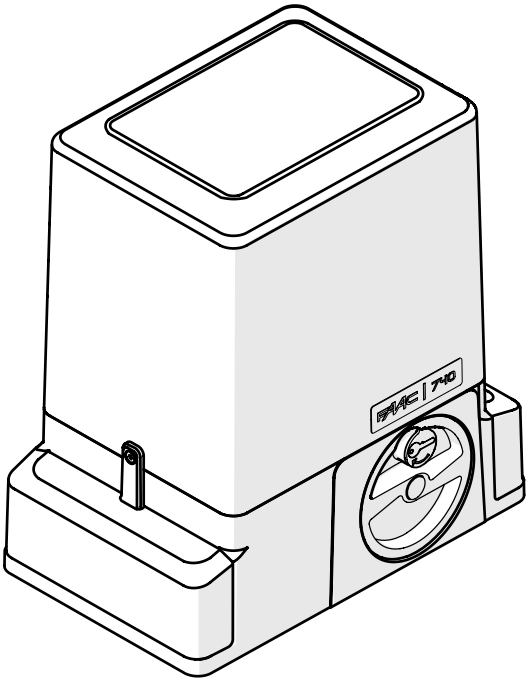
740 E SAFE - 741 E SAFE
740 E - 741 E

EN



FAAC

EN

Translation of the original instructions

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This manual was published in 2025.

CONTENTS

APPENDICES

TABLES

1. INTRODUCTION TO THE INSTRUCTION MANUAL

This manual provides the correct procedures and requirements for installing 740 E (SAFE) / 741 E (SAFE) 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.

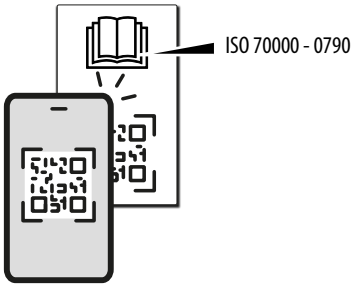
Unless otherwise specified, the measurements provided in the instructions are in mm.

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, to go directly to the specific instructions page for the product, scan the QR code associated with the ISO 70000 - 0790 icon on the product.



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.

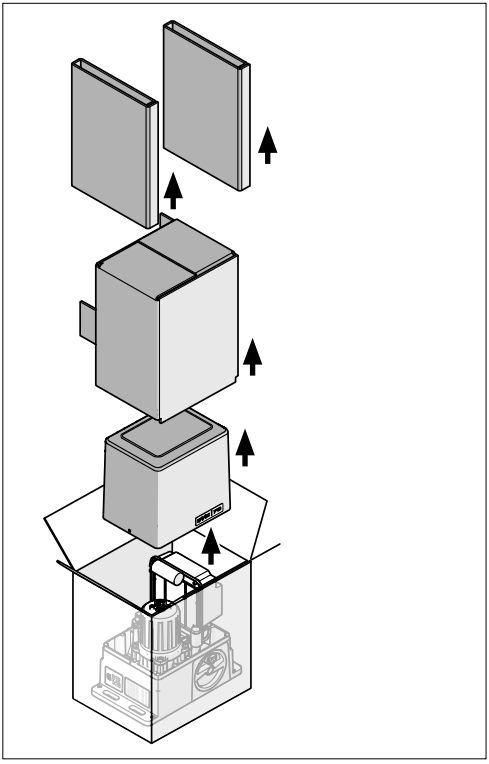
§ CHAPTER/SECTION E.g. § 1.1 see section 1.1.

2. 740 E/740 E SAFE/741 E/741 E SAFE

2.1 UNPACKING AND HANDLING

Open the package and remove the contents.

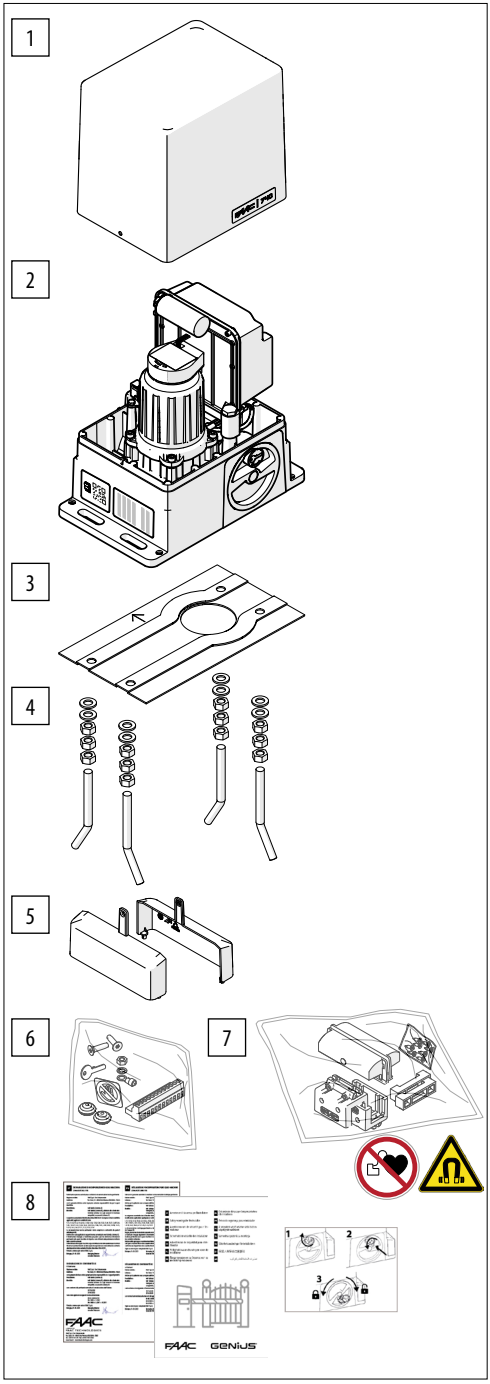
To lift the gearmotor, grip the body firmly with both hands, DO NOT grip the plastic parts or the electronic board.



CHECKING THE GOODS SUPPLIED

Check that all components are present and intact.

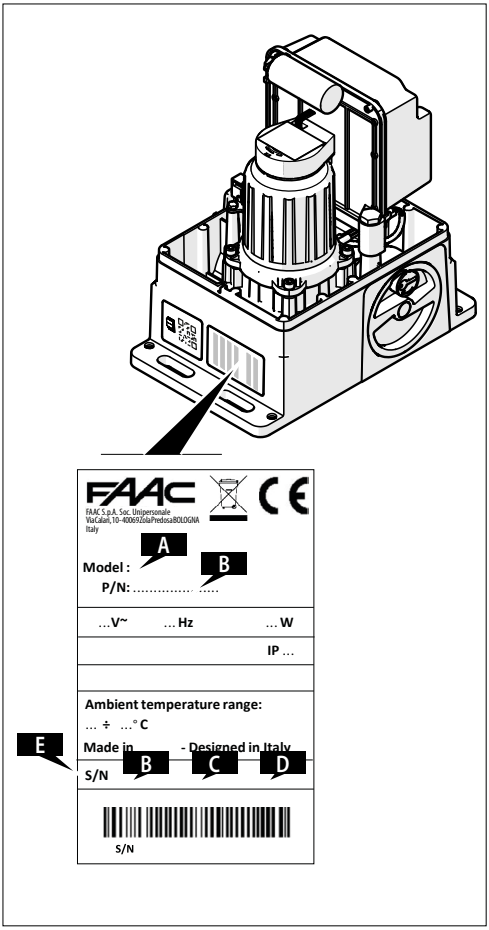
1	Cover
2	Gearmotor
3	Foundation plate
4	Brackets with nuts and washers
5	Bracket guards
6	Hardware/accessories
7	Magnetic limit switch
8	Printed documentation



2.2 PRODUCT IDENTIFICATION

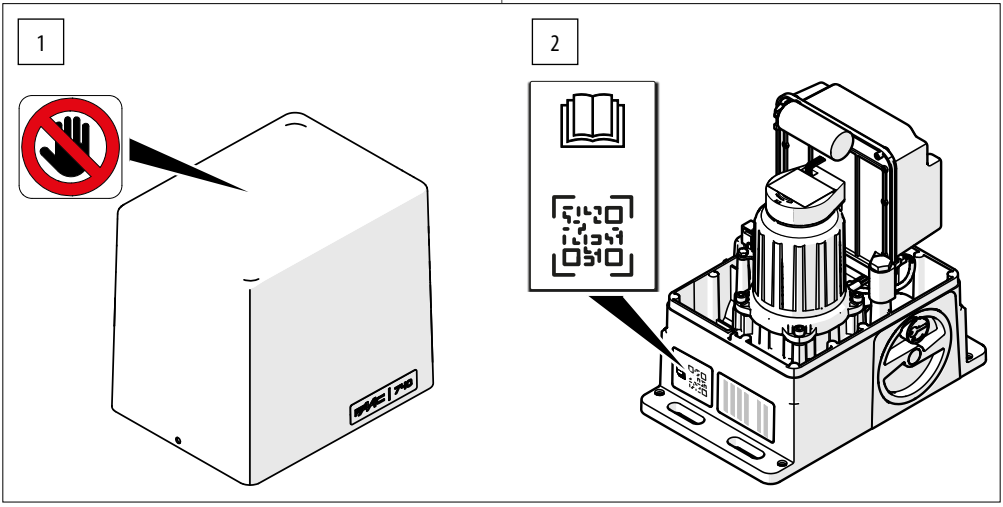
The gearmotor's nameplate and identification data is shown on the label:

A	Product name
B	Product code Example: 123456
C	Month and year of production Example: 0125 (January 2025)
D	Progressive number of the month and year of production Example: 0001
E	Identification number (B+C+D) Example: 123456 0000 0125 0001



MARKINGS ON THE PRODUCT

1	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.
2	Adhesive sign on the product. Contains the QR code for direct access to the online manual.



2.3 INTENDED USE

FAAC series 740 E (SAFE) / 741 E (SAFE) 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 embedded in a plinth. The gate must be moved via a drive pinion and a rack (supplied separately).

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).

740 E (SAFE) / 741 E (SAFE) 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 740 E (SAFE) / 741 E (SAFE) 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 de

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 move the leaf manually, the gearmotor has to be released using the knob with key.

RELEASING THE GEARMOTOR

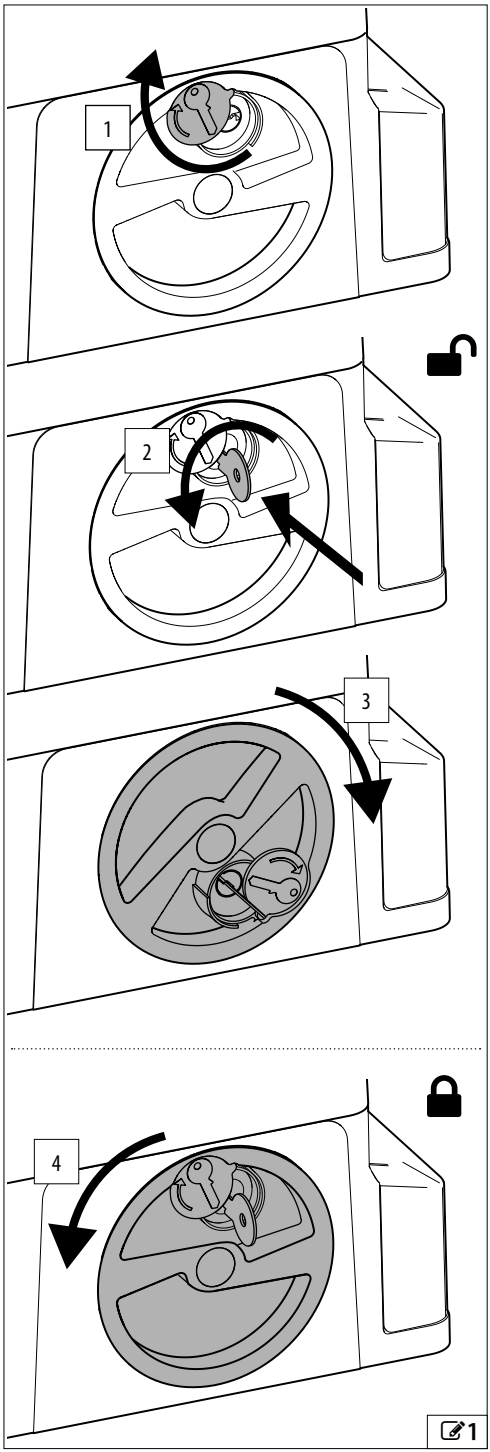
1. Rotate the lock cover.
2. Insert the key and turn it clockwise by 90°.
3. Turn the release knob clockwise until it stops.

RESTORING OPERATION

4. Turn the release knob anticlockwise until it stops.

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

When finished, remove the key and reposition the lock cover.



2.8 TECHNICAL SPECIFICATIONS

The product is an electromechanical gearmotor supplied with a built-in electronic board 740D and a Z16 pinion for a module 4 rack (the rack is supplied separately).

■ **VERSIONS: 740 E SAFE, 740 E SAFE 115V, 741 E SAFE, 741 E SAFE 115V**

The product versions differ according to:
- motor type and relative capacitor (**740 E** or **741 E**)
- power supply voltage (**230 V** or **115 V**)
- installation of an **encoder** (**SAFE** versions only).

ELECTRONIC BOARD 740D

See the dedicated instructions:

https://www.faac.help/products/740d/

IRREVERSIBLE SYSTEM

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

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.

FOUNDATION PLATE

The gearmotor must be mounted on a concrete plinth using the foundation plate and the anchors supplied.

MAGNETIC ENCODER (SAFE versions only)

The encoder is integrated in the gearmotor and allows the installed board 740D to determine the position of the leaf and the speed of movement.

TECHNICAL DATA

1 Technical data for 740 E / 740 E SAFE / 740 E 115V
(refer to 230 V~ @50 Hz/ 115 V~ @60 Hz)

	740 E / 740 E SAFE	740 E 115 V
Power supply voltage	220 - 240 V~ @50/60 Hz	110 - 120 V~ @50/60 Hz
Max power	460 W	375 W
Pinion	Z16 Module 4	Z16 Module 4
Max torque at initial thrust	380 N	330 N
Max thrust force	450 N	350 N
Max leaf weight	500 kg	500 kg
Max leaf speed	12 m/min	14 m/min
Max leaf length	15 m	15 m
Stopping space	30 mm	30 mm
Type of use	Residential	Residential
Use frequency for leaves up to 5 m wide and maximum weight	22 cycles/h	25 cycles/h
Protection rating	IP44	IP44
Ambient operating temperature	-20°C - +55°C	-20°C - +55°C
Thrust capacitor	10 µF	30 µF
Thermal protection	140°C automatic rearming	140°C automatic rearming
Sound pressure (LpA)	≤ 70 dB(A)	≤ 70 dB(A)
Gearmotor weight	11.9 kg	12.3 kg

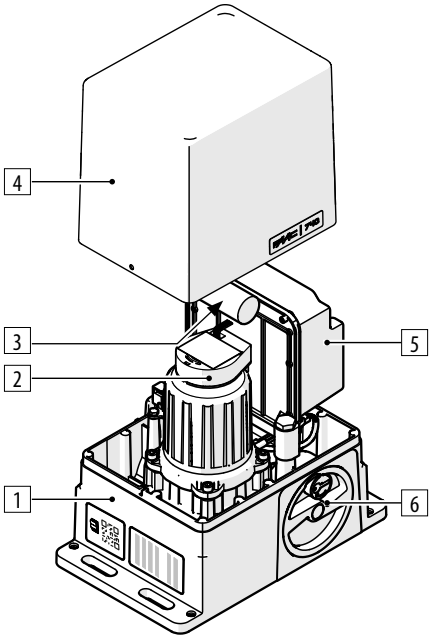
2 Technical data for 741 E / 741 E SAFE / 741 E 115V
(refer to 230 V~ @50 Hz/ 115 V~ @60 Hz)

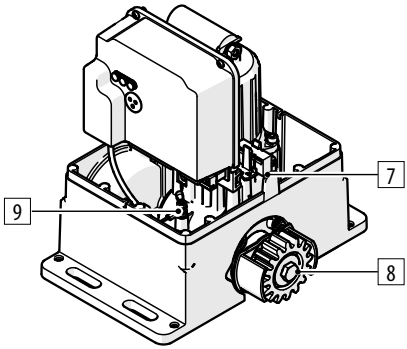
	741 E / 741 E SAFE	741 E 115 V
Power supply voltage	220 - 240 V~ @50/60 Hz	110 - 120 V~ @50/60 Hz
Max power	600 W	630 W
Pinion	Z16 Module 4	Z16 Module 4
Max torque at initial thrust	570 N	520 N
Max thrust force	680 N	800 N
Max leaf weight	900 kg	900 kg
Max leaf speed	12 m/min	14 m/min
Max leaf length	15 m	15 m
Stopping space	30 mm	30 mm
Type of use	Residential	Residential
Use frequency for leaves up to 5 m wide and maximum weight	30 cycles/h	33 cycles/h
Protection rating	IP44	IP44
Ambient operating temperature	-20°C - +55°C	-20°C - +55°C
Thrust capacitor	12.5 µF	50 µF
Thermal protection	140°C automatic rearming	140°C automatic rearming
Sound pressure (LpA)	≤ 70 dB(A)	≤ 70 dB(A)
Gearmotor weight	13.1 kg	13.5 kg

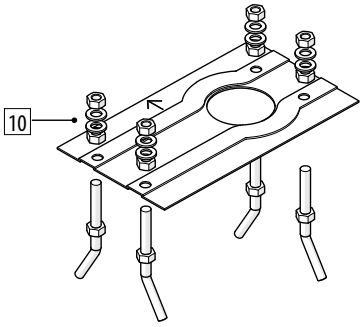
2.9 COMPONENT IDENTIFICATION

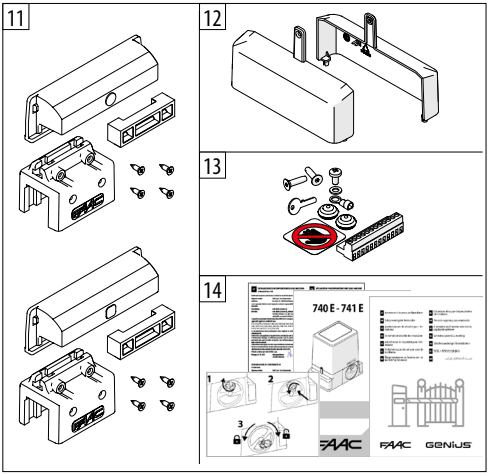
COMPONENTS SUPPLIED

Gearmotor	
1	Gearmotor body
2	Encoder reading board (SAFE versions only)
3	Thrust capacitor
4	Cover
5	Electronic board 740D with protective cover
6	Key release knob
7	Limit switch sensor
8	Pinion with hand guard
9	Earth connector
10	Foundation plate with fixings and mounting hardware
Hardware/accessories	
11	Magnetic limit switches
12	Gearmotor bracket guards
13	Cover screws, terminal boards, cable lug for earth cable and adhesive hazard warning sign, release key, cable glands
14	Documentation supplied (partly hard copy, partly online) Sticker indicating the direction of rotation of the release knob









COMPONENTS SUPPLIED SEPARATELY

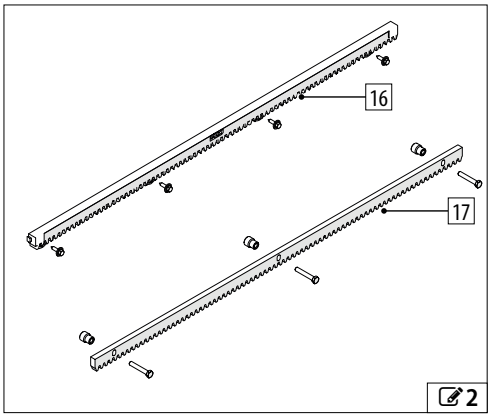
The installation requires the following components FAAC.

16 Nylon rack with screws (for leaves weighing up to 400 kg max) and self-tapping screw kit

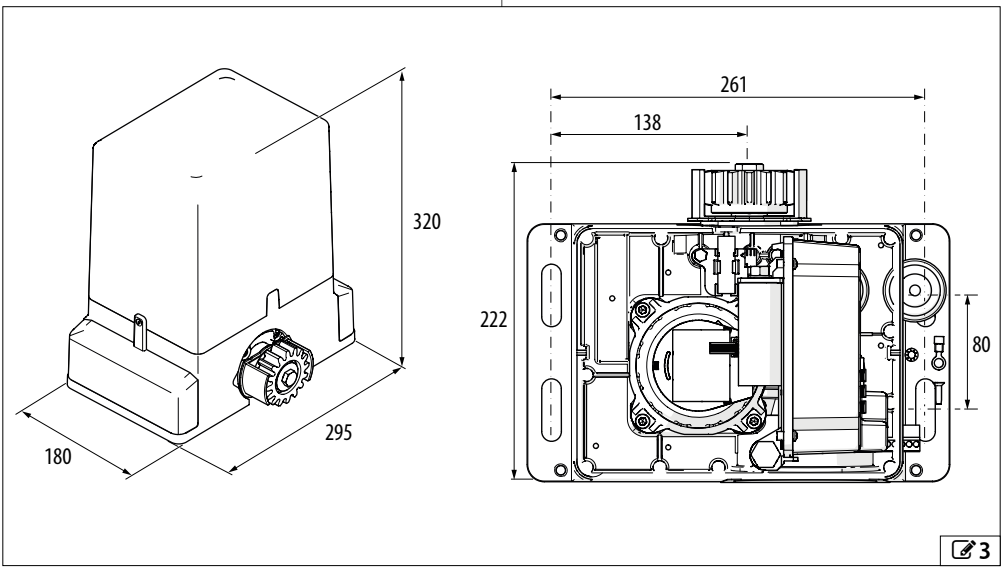
or

17 Steel rack with spacers (for leaves weighing more than 400 kg)

DANGER, AUTOMATIC MOVEMENT warning sign



2.10 DIMENSIONS

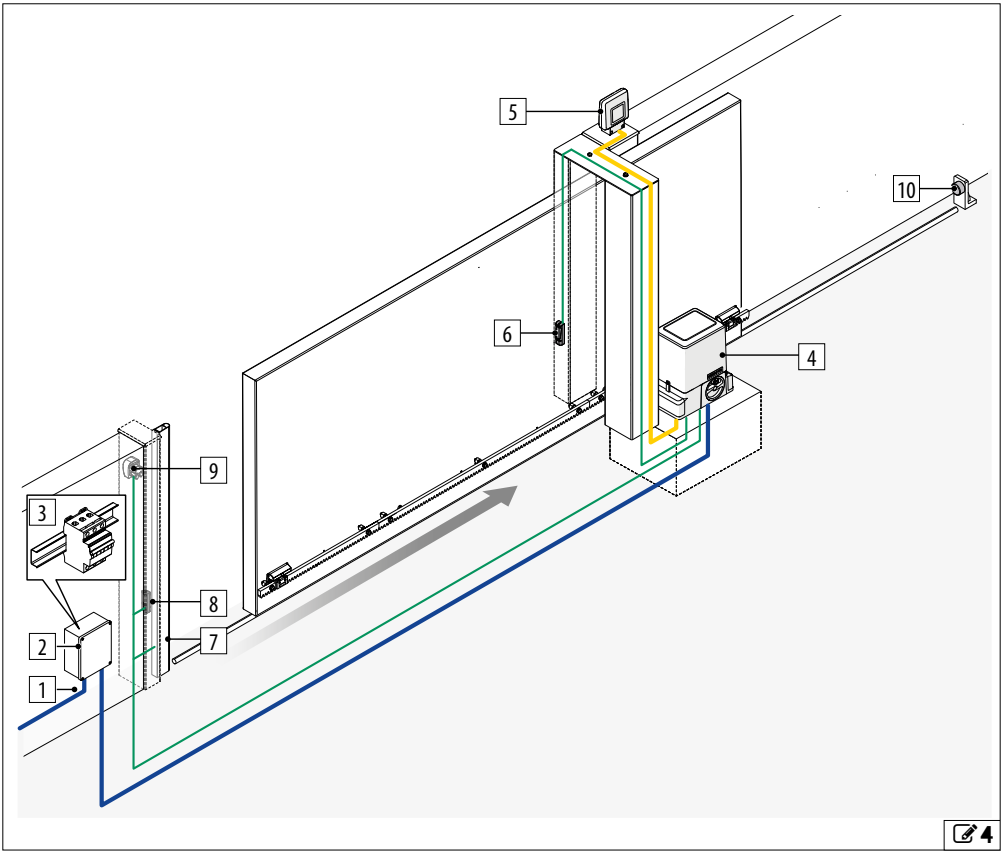


2.11 EXAMPLE SYSTEM

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

1	Mains power supply	3G 1.5 mm² (max 2.5 mm²)
2	Junction box	
3	Circuit breaker and differential switch	
4	Gearmotor	
5	Flashing light	
6	Photocell RX	
7	Sensitive edges	
8	Photocell TX	
9	Key button	
10	Mechanical stop	

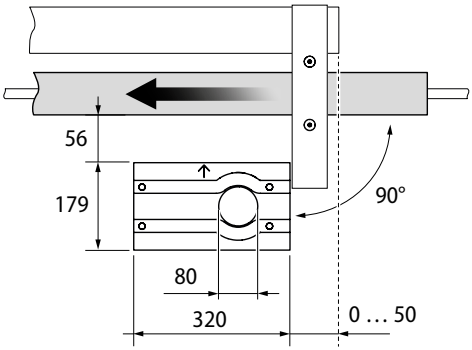
If an emergency stop button is fitted (in accordance with EN 60947-5-1), double insulated cables must be used.



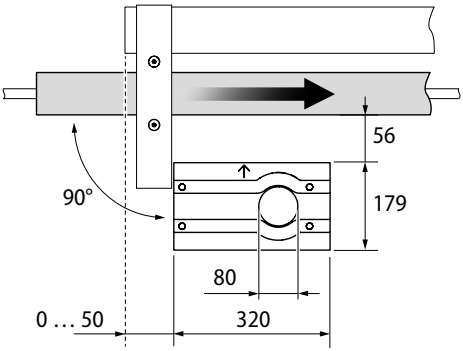
2.12 INSTALLATION DIMENSIONS

■ **FOUNDATION PLATE**

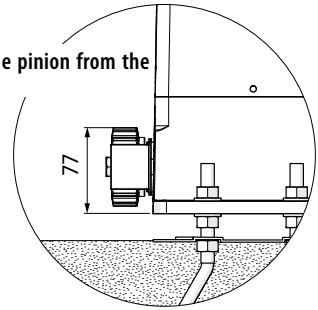
Opening to the left



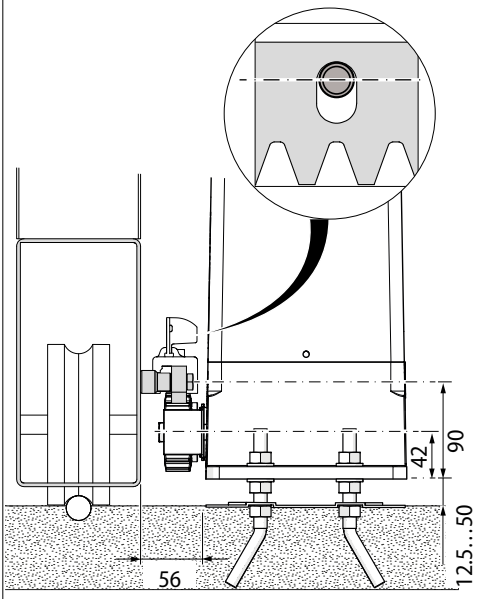
Opening to the right



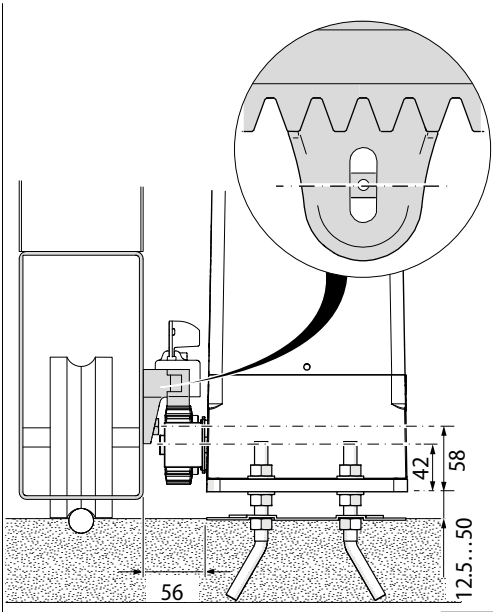
Height of the upper edge of the pinion from the ground.



■ **Steel rack**



■ **Nylon rack**



5

3. MECHANICAL INSTALLATION

TOOLS REQUIRED

The tools required are indicated below.

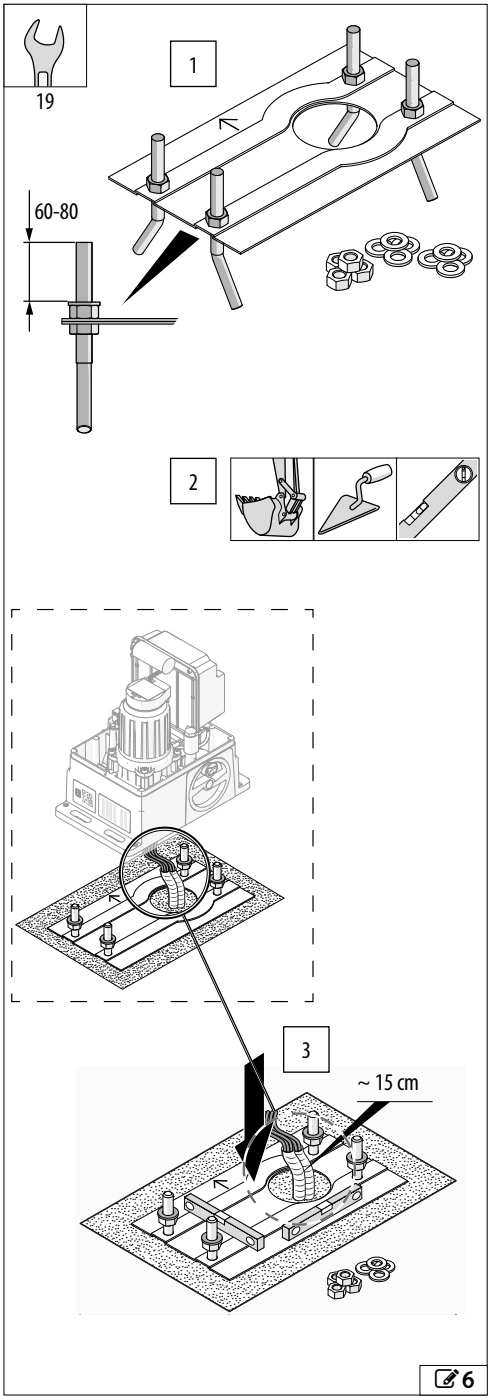
 Spanner 8,10,13,19	 Phillips screwdrivers 1
 Round head Allen key 2.5	 Level
 Drill bit for metal 5, 6.5	 Thread cutter (for screw-on steel rack) M8
 Screw clamp	 Welder (for steel rack to be welded on)
 Angle grinder	TORQUE ADJUSTMENT -comply with fastening torque indicated in the figure. E.g.: Spanner 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 will 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.

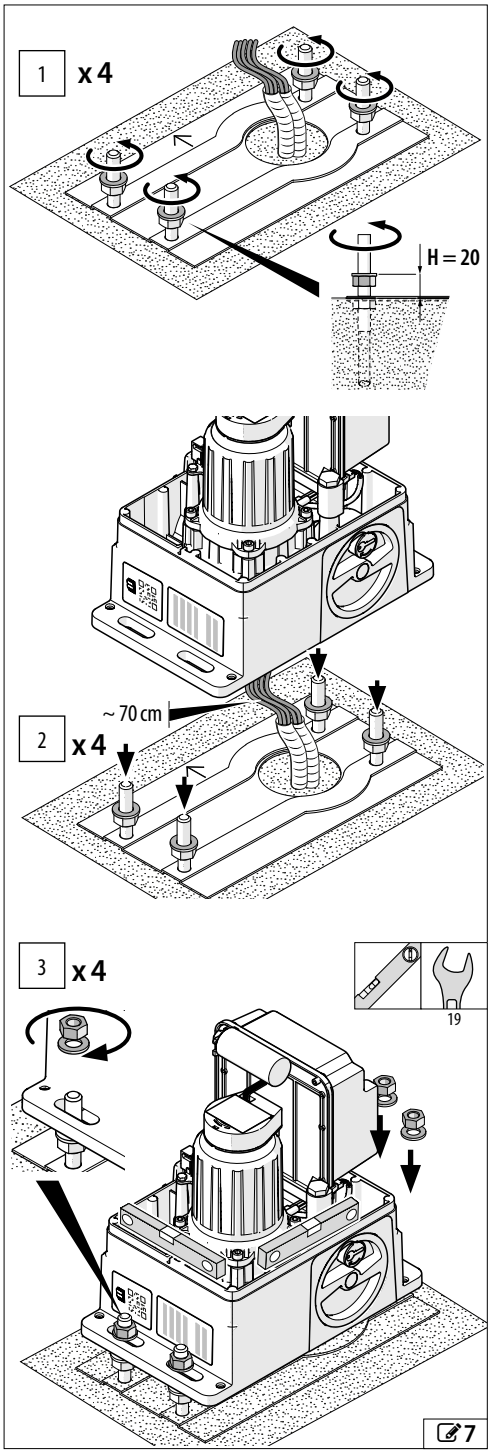


3.2 INSTALLING THE GEARMOTOR

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. 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.

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.



3.3 INSTALLING THE RACK

- 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

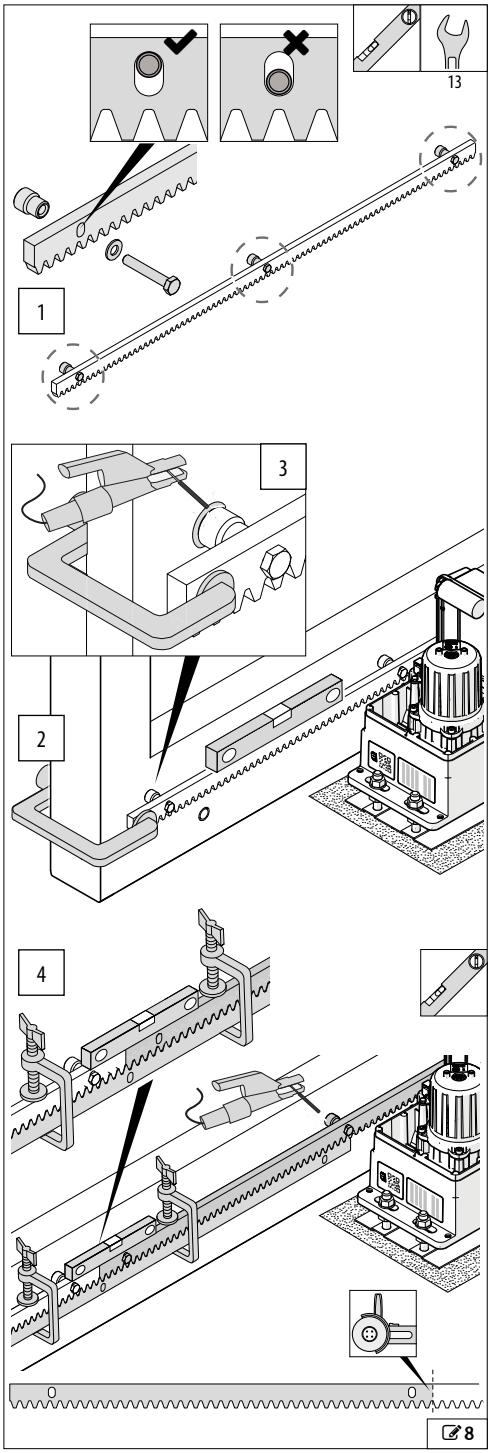
Rack thickness: 8 mm for leaves weighing up to 400 kg max, 12 mm for leaves weighing more than 400 kg.

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.

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.

If an element of the rack has to be shortened, cut it with an angle grinder so that you leave two fastening points.



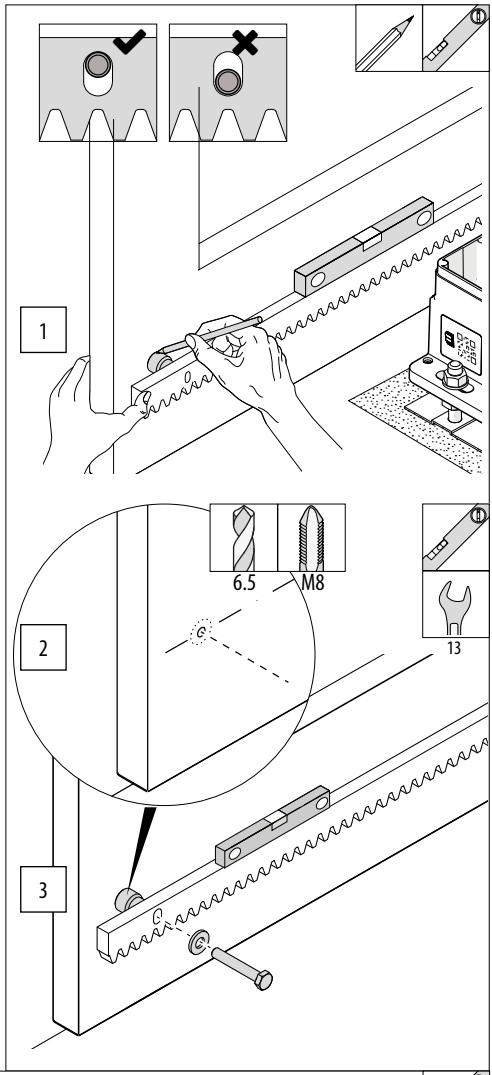
STEEL RACK - SCREW-ON FASTENINGS

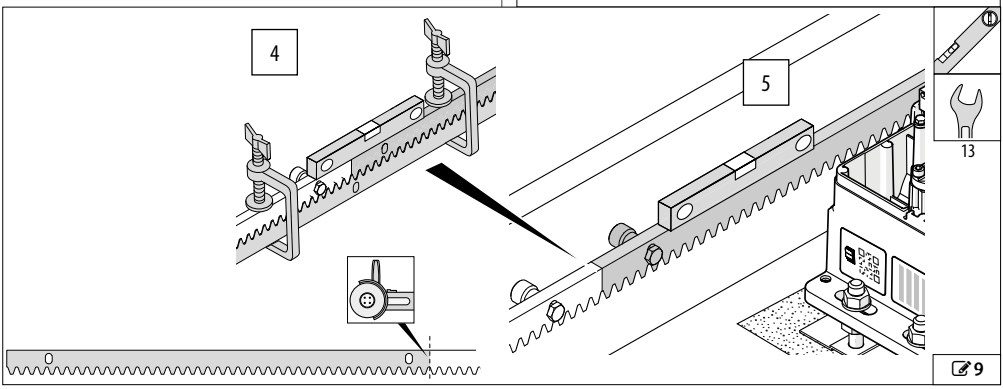
Rack thickness: 8 mm for leaves weighing up to 400 kg max, 12 mm for leaves weighing more than 400 kg. The rack installation accessories contain screws for aluminium or steel leaves. Use specific screws for other materials.

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.

If an element of the rack has to be shortened, cut it with an angle grinder so that you leave two fastening points.





NYLON RACK

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

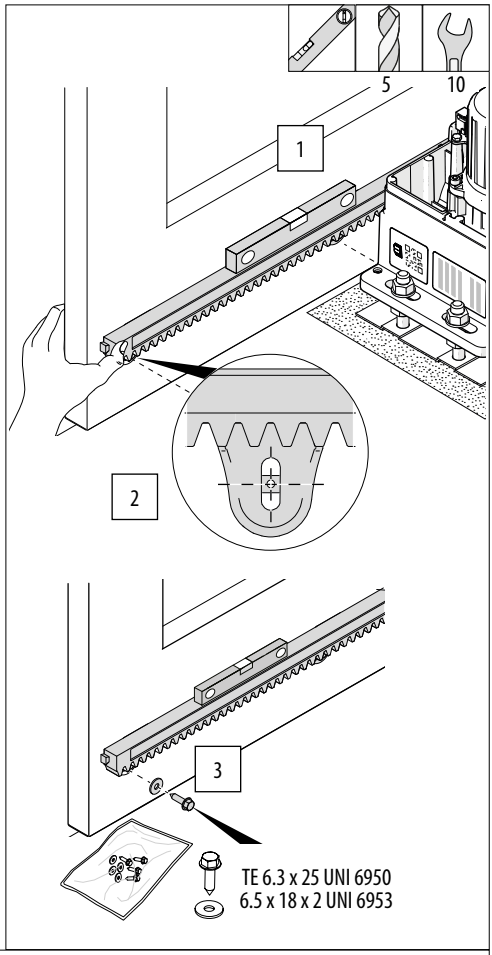
1. Close the leaf manually. Rest an element of the rack on the pinion. Make sure that it is horizontal using a spirit level.
2. Drill holes at the centre of the slots.
3. Fasten using suitable screws and washers.

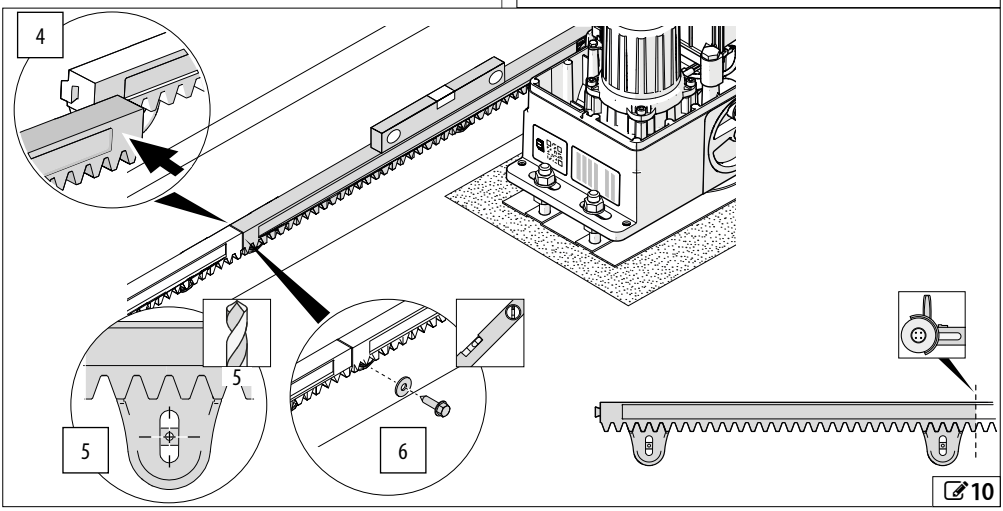
Self-tapping screws and washers are available for aluminium or steel and should be ordered separately.

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.

If an element has to be shortened, cut it with an angle grinder so that you leave two fastening points.

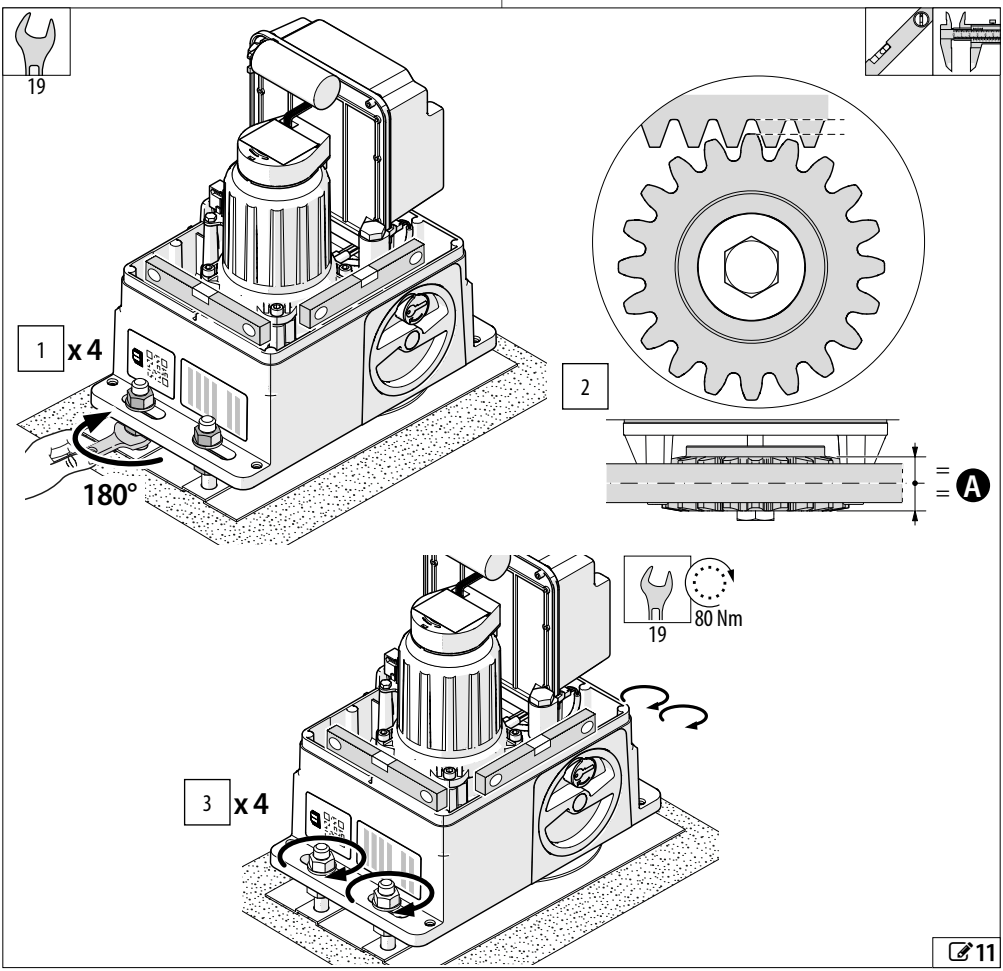




3.4 ADJUSTING AND FASTENING PERMANENTLY

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 between the pinion and rack is obtained 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: when the gearmotor is locked, it must be possible to move the leaf a few millimetres to the left and right by hand.
   - Gearmotor levelling: use a spirit level.
   - Centring (**A**) of the rack and pinion.
3. Tighten the upper nuts to the fastening torques indicated in the figure.



4. ELECTRONIC INSTALLATION

4.1 ROTATE THE BOARD TO THE FRONT POSITION

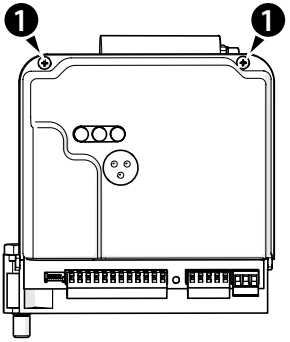
With the power supply disconnected, rotate the board assembly to the front position (**A**), paying attention to the cables present.

4.2 MAKE THE ELECTRICAL CONNECTIONS AND CARRY OUT THE START-UP

Make the connections according to the § instructions 740D , then install the limit switches and carry out the initial start-up of the automation.

https://www.faac.help/products/740d/

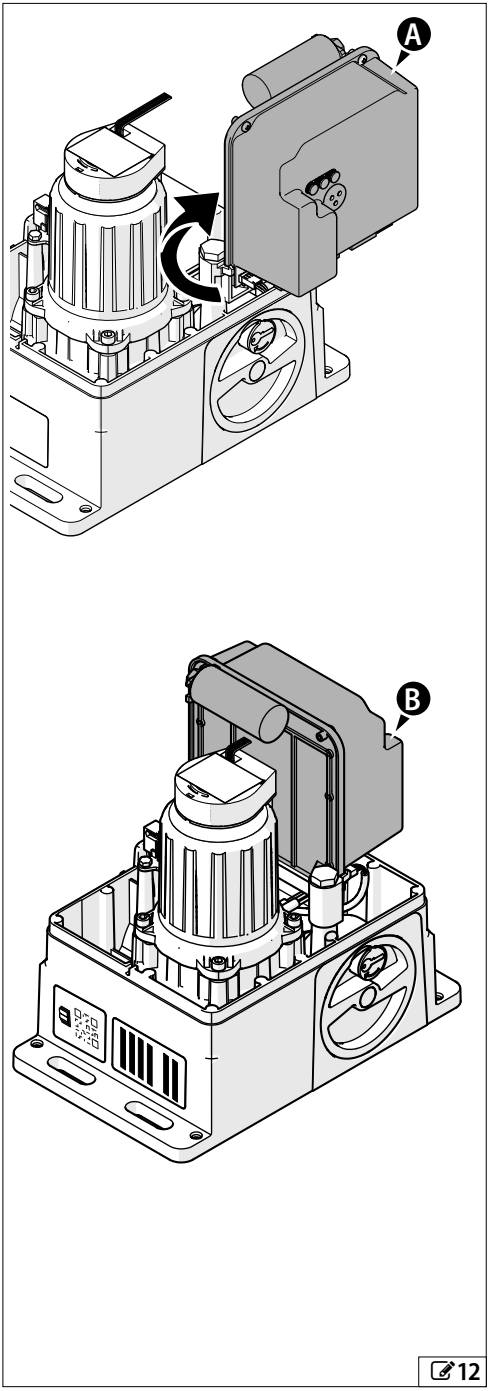
If necessary (only to work on the 5-pin radio connector or to replace a fuse) and with the power supply disconnected, remove the board cover using the fixing screws (**1**).



Replace the cover before reconnecting the power supply.

4.3 POSITION THE BOARD TO CLOSE THE COVER

After start-up is complete, with the power supply disconnected, rotate the board assembly to position (**B**), paying attention to the cables present.



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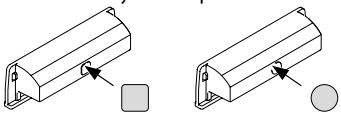
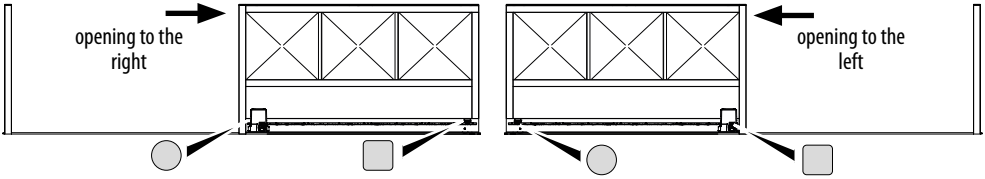
4.4 INSTALLING THE LIMIT SWITCHES

See board instructions.

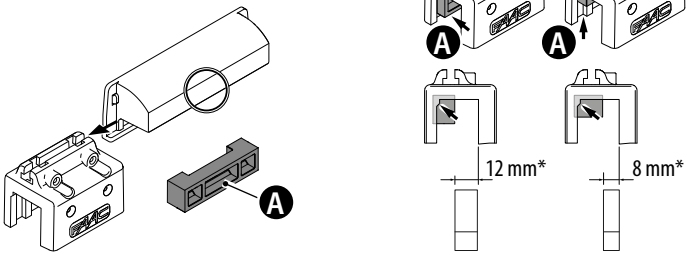
The two limit switches are marked with different symbols: square / circle.



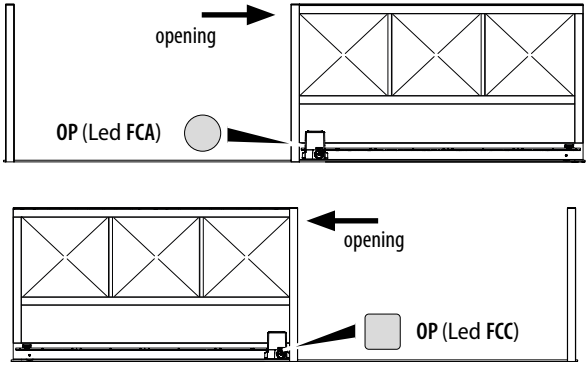
The limit switch marked with the **SQUARE** must **always be positioned to the right of the gearmotor**.
The limit switch marked with the **CIRCLE** must **always be positioned to the left of the gearmotor**.



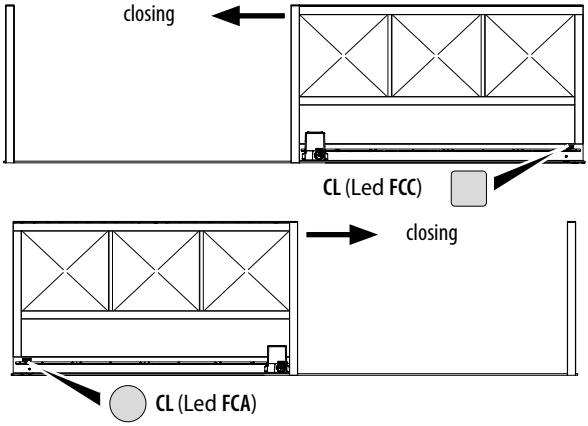
1. Assemble the limit switches. If a steel rack is installed, insert the spacer (**A**) and position it according to the thickness of the rack (8 or 12 mm*).



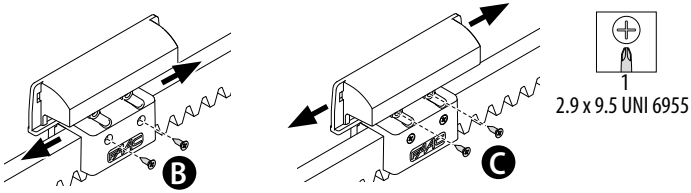
2. Release the gearmotor and open the leaf manually in order to install the OPENING limit switch. Switch on power to the electronic board and program the direction of movement (see board instructions).
3. Position the **OPENING** limit switch (**OP**) at the end of the rack according to the opening direction. 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**).



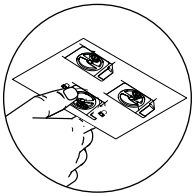
6. At the end of the procedure, restore gearmotor operation.

5. 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.

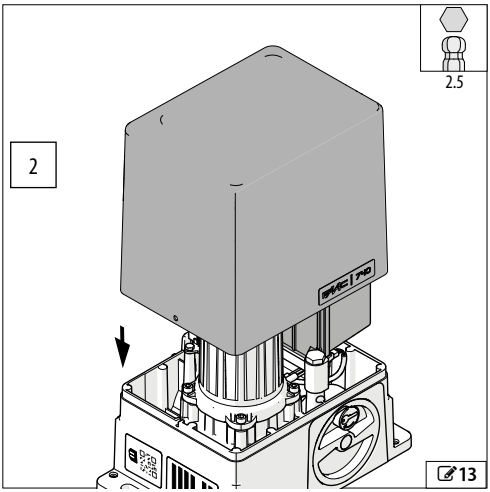
5.1 FINAL OPERATIONS

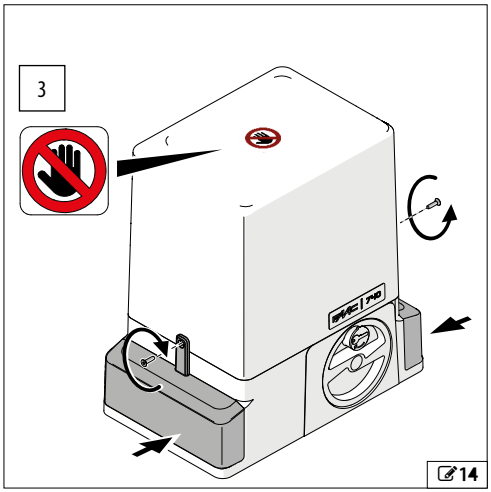
1. Carry out a complete functional test of the automation and all the installed devices.
2. Make sure that the forces generated by the leaf are within the limits permitted by the current regulations. Use an impact force tester in accordance with standard EN 12453. For non-EU countries, if there are no 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 for residential areas and 260 N for industrial or commercial areas
4. Position the board unit vertically and then fit the cover and the bracket guards.
5. Highlight all areas with adequate warning signs in which there are still residual risks, even if all possible safety measures having been adopted.
6. Place a "DANGER, AUTOMATIC MOVEMENT" sign (not supplied) in a prominent position on the gate.
7. Attach the CE marking to the gate.
8. Fill out the EC declaration of conformity and the system register.
9. Give the EC Declaration to the owner/operator of the automation, together with the system register, the maintenance plan, the instruction manual and the "Manual operating mode" label to be affixed in a visible position by the property manager.



REPLACE THE COVER AND THE GUARDS

10. Replace the cover.
11. Position the guards and secure the parts. 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.





6. MAINTENANCE

6.1 SCHEDULED MAINTENANCE

It is mandatory to carry out the operations indicated in table ▦ Maintenance of 740 E (SAFE) / 741 E (SAFE), 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 740 E (SAFE) / 741 E (SAFE)	**Frequency in months**
Check that the cover and all the movable guards are integral and properly secured. 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
Check that the limit switches are intact and their correct operation and adjustment.	12
Check that the cable glands are intact and that they are functional.	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 outside of the gearmotor with a clean cloth, dampened 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 (if enabled) (SAFE versions only).	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.	Follow the manufacturer's instructions
Check the leaf: make sure that it is intact and that there is no deformation or damage.	Follow the manufacturer's instructions
Check that the pedestrian door integrated in the sliding leaf is intact (if present).	Follow the manufacturer's instructions
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.	Follow the manufacturer's instructions
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.	Follow the manufacturer's instructions
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.	Follow the manufacturer's instructions
Check that the control devices are intact and that they operate correctly.	Follow the manufacturer's instructions
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.	Follow the manufacturer's instructions
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 l 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

7. 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, incorporating the following information and the instructions for the electronic board 740D.

7.1 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/repaired exclusively by the installer/maintenance technician.

7.2 MANUAL OPERATION

In order to move the leaf manually, the gearmotor has to be released using the knob with key.

RELEASING THE GEARMOTOR

1. Rotate the lock cover.
2. Insert the key and turn it clockwise by 90°.
3. Turn the release knob clockwise until it stops.

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.

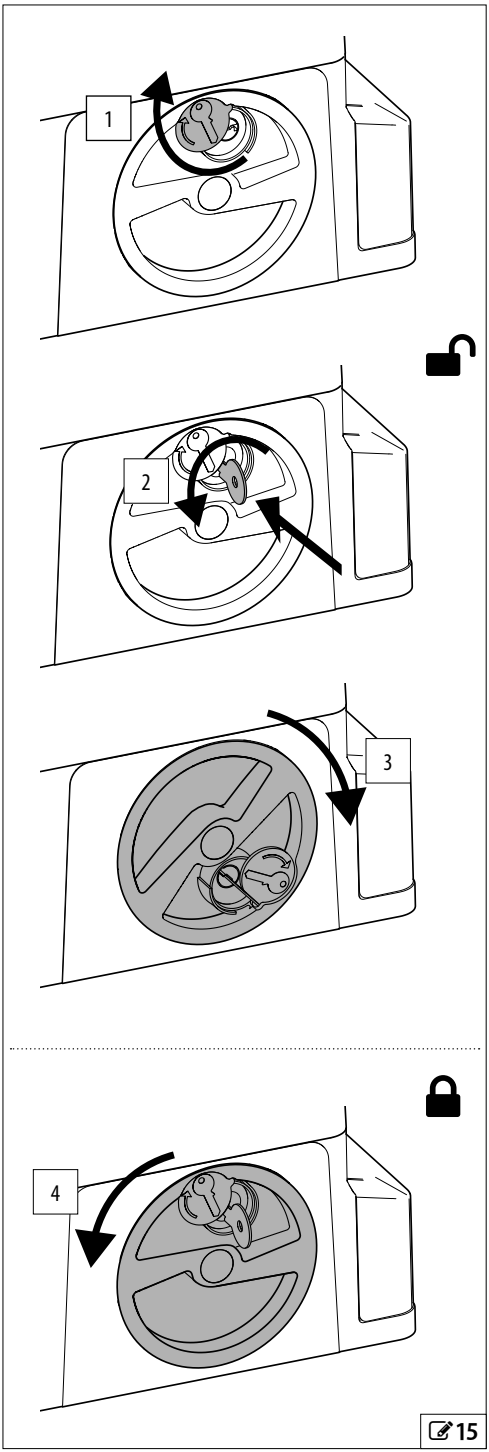
RESTORING OPERATION

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

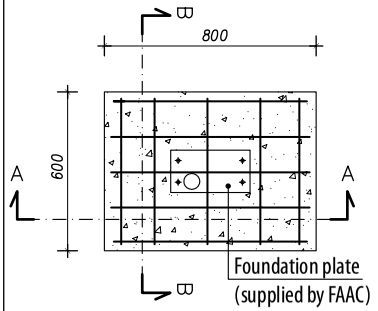
4. Turn the release knob anticlockwise until it stops.

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

When finished, remove the key and reposition the lock cover.

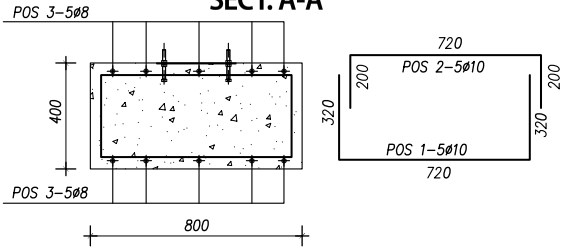


PLAN VIEW

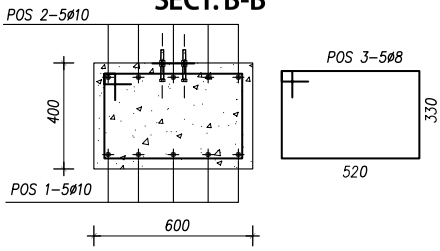


REINFORCEMENTS

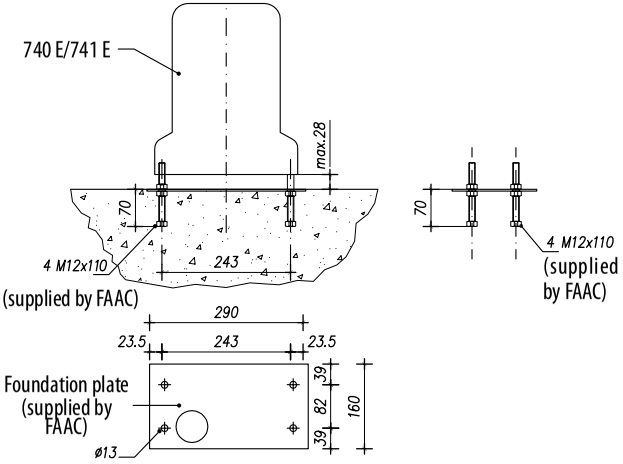
SECT. A-A



SECT. B-B

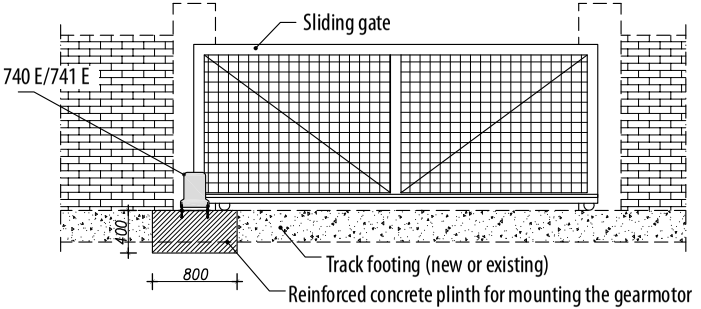


FOUNDATION PLATE ANCHORING

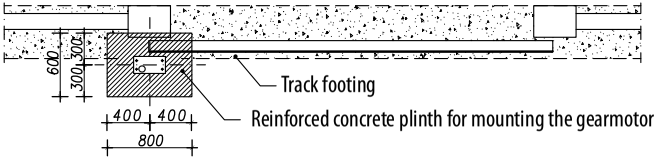


PLINTH POSITIONING DIAGRAM

FRONT VIEW



PLAN VIEW



MATERIALS

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

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532504 - Rev.A