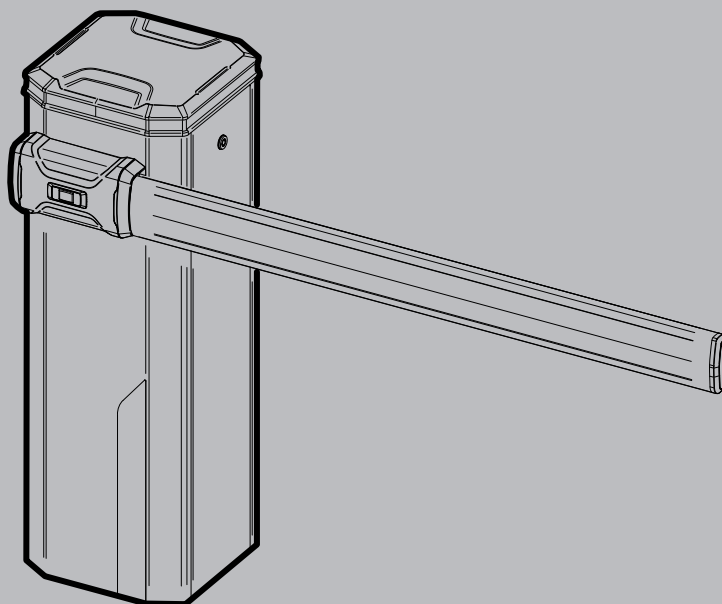


MAXIMA ULTRA 36

D81375820398_11 05-06-24



INSTRUCTIONS FOR INSTALLATION, USE AND MAINTENANCE I

AUTOMATIC BARRIER

Attenzione! Leggere attentamente le "Avvertenze" all'interno! **Caution!** Read "Warnings" inside carefully!
Attention! Veuillez lire attentivement les Avertissements qui se trouvent à l'intérieur! **Achtung!** Bitte lesen Sie aufmerksam die „Hinweise“ im Inneren!
¡Atención! Leer atentamente las "Advertencias" en el interior!



AZIENDA CON
SISTEMA DI GESTIONE
CERTIFICATO DA DNV GL
= ISO 9001 =
= ISO 14001 =



GENERAL

The automatic electromechanic barrier was designed to manage openings whose maximum width is 6 meters. It is the ideal solution for vehicle management.

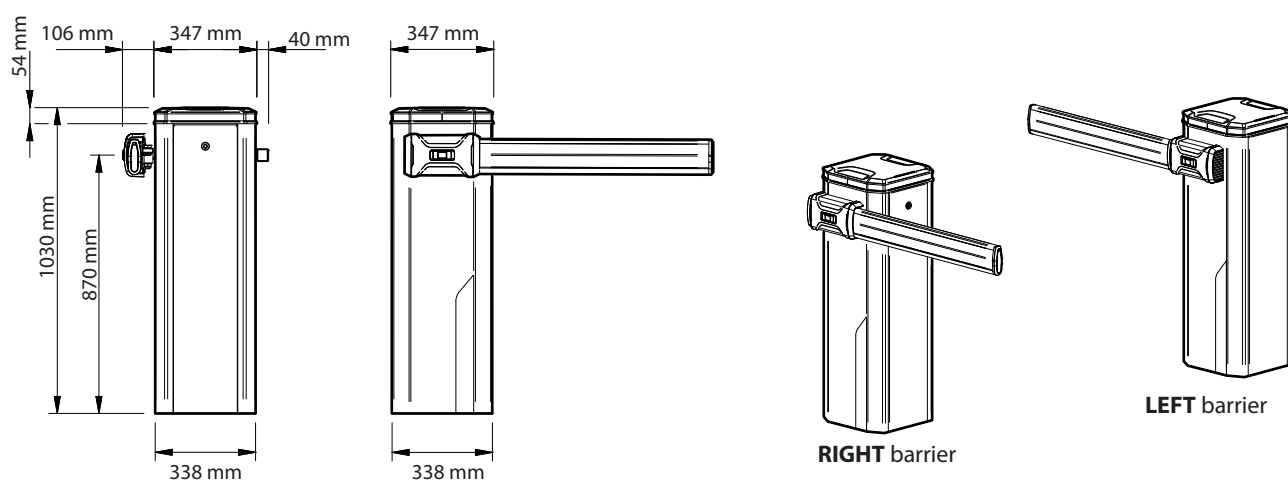
TECHNICAL SPECIFICATIONS

Power	230Vac/115Vac $\pm 10\%$ 50/60 Hz
Motor	230Vac 910RPM 0.25 kW
Absorbed power	370 W
Control unit	CSB Xtreme
Safety to impact	Encoder
Opening time	0.7 ÷ 3.9 s *
Bar length	2 ÷ 6 m
Operating temp	-40°C ** to +40°C continuous cycle; +40°C to +55°C discontinuous cycle
Actuations over 24h	20.000 bar length up to 3 m 5.000 bar length up to 6 m
Protection class	IP 55
Net weight	69 kg
Gross weight	72 kg
Sound pressure level at 1 mt	LpA $\leq$ 70 dB (A)

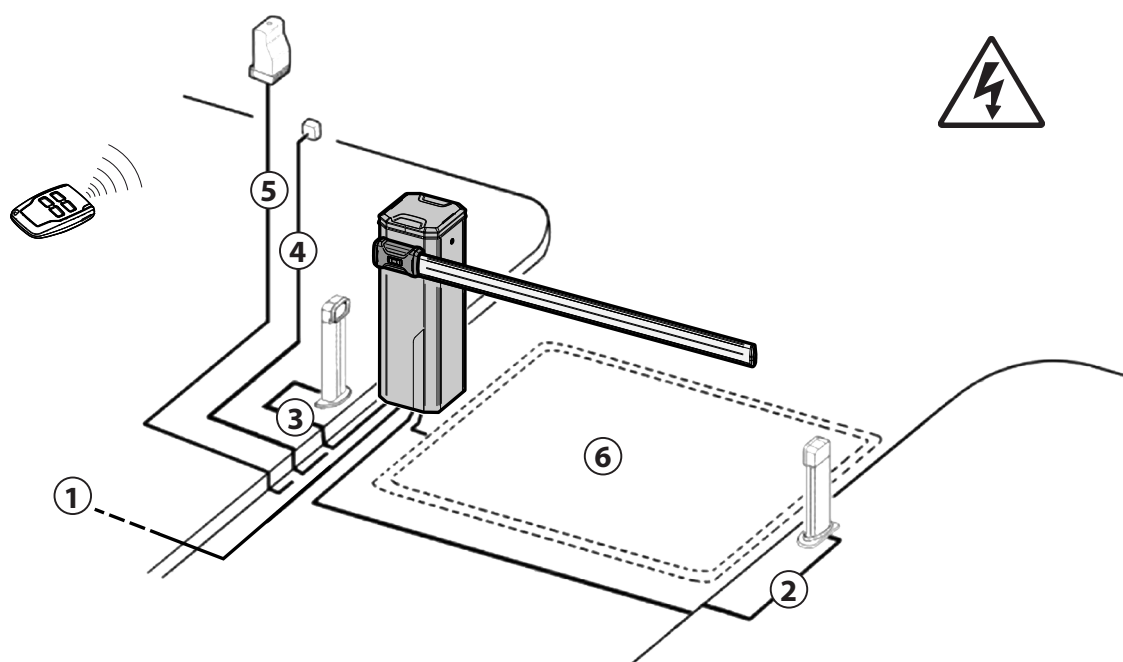
* The opening times are evaluated starting from bar in closed position at the beginning of the slowdown, at ambient temperature.

** -40°C to -20°C with integrated heater active

A DIMENSIONS

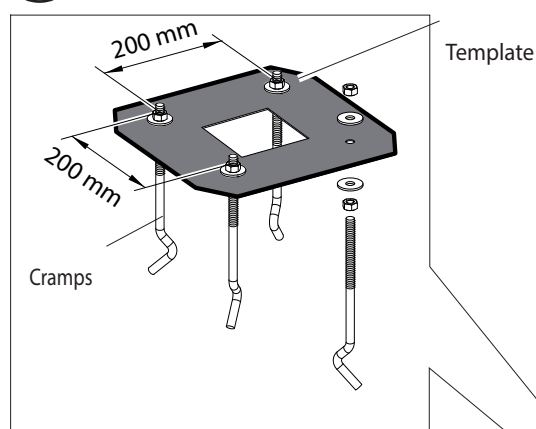


B WIRING DIAGRAM

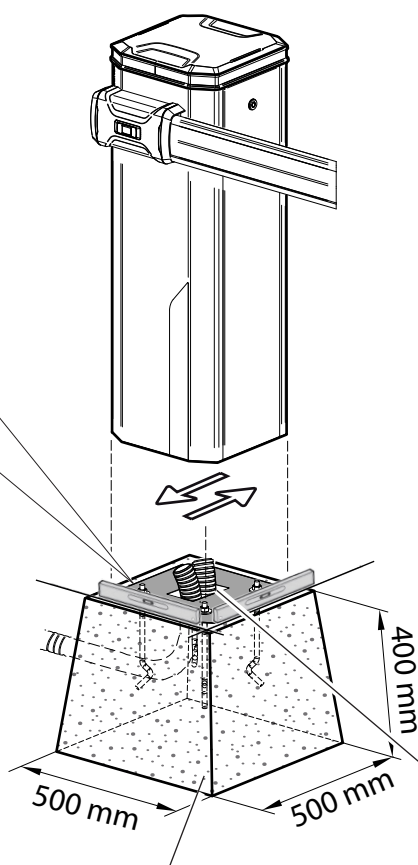


①	Single-phase	(2+T) x 1,5mm ²
②	Trasmitter photocell	2 x 0,5 mm ²
③	Receiver photocell	4 x 0,5 mm ²
④	Key selector	3 x 0,5 mm ²
⑤	Receiver	4 x 0,5 mm ²
	Antenna /	RG58
⑥	Magnetic detector	

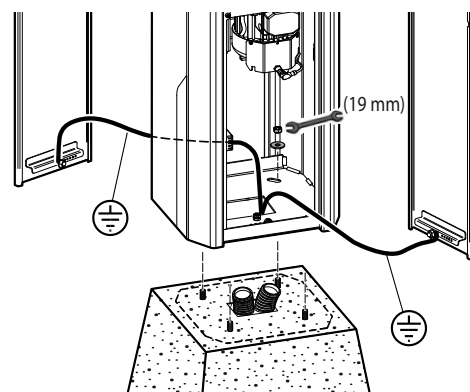
C SECURING THE STRUCTURE



Check the direction of travel indicated on the template, for precise overlapping of the rounded corners of the barrier body.



Cement (not supplied)



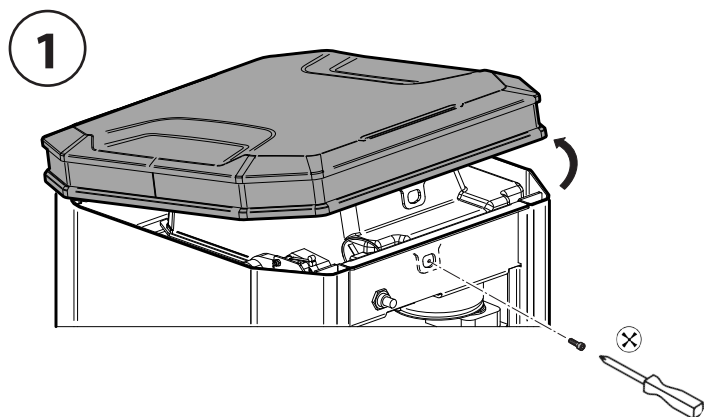
It is recommended to remove the template before securing the barrier.

Arrange in the foundation corrugated tubes for power supply and system cables (not supplied).

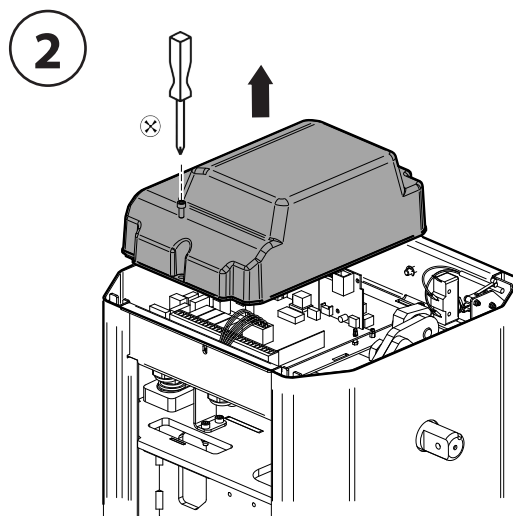
D ELECTRICAL CONNECTIONS



BEFORE PERFORMING ANY TASK ON THE EQUIPMENT, CUT OFF THE POWER SUPPLY.

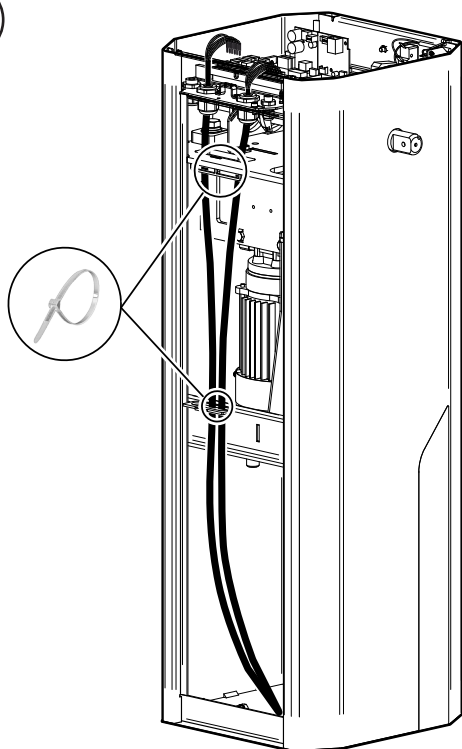


OPEN THE COVER AND ACCESS INSIDE THE BARRIER TO REMOVE OF THE DOORS



REMOVE THE COVER OF THE INTERNAL CONTROL UNIT

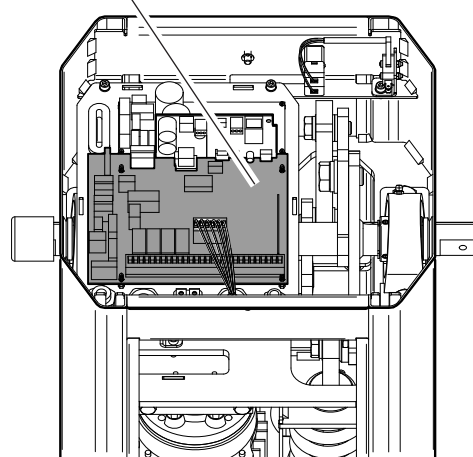
3



SECURE WITH CABLE TIES

4

CSB-Xtreme

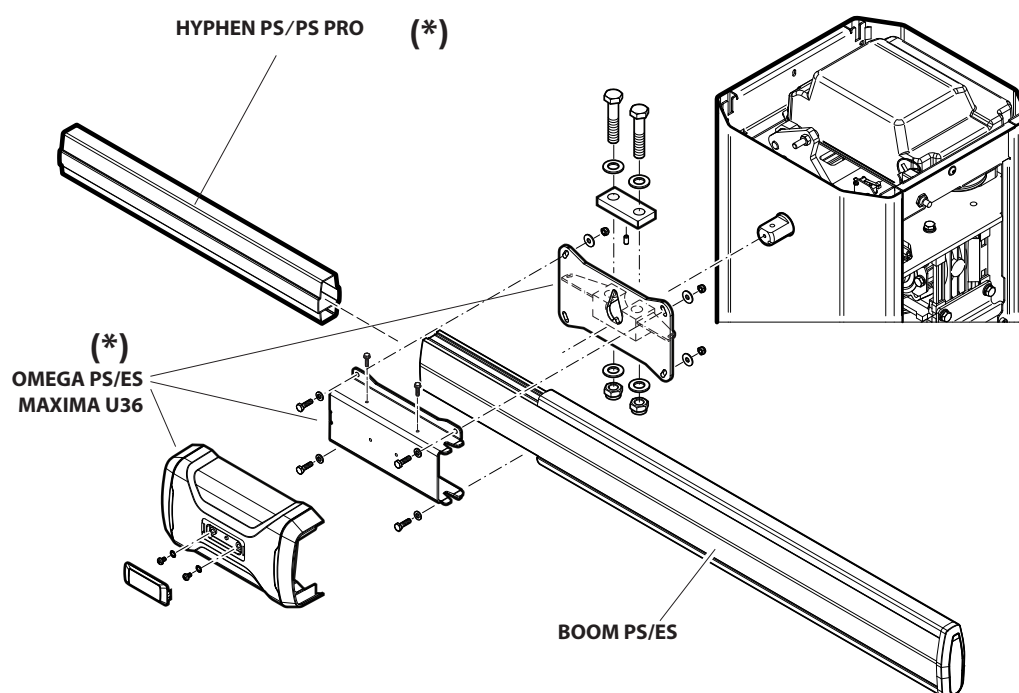


REFER TO THE USE AND INSTALLATION MANUAL OF THE CONTROL UNIT.

E

BAR INSTALLATION

Indicative image



(*) See the product installation and use manual.

F BAR ALIGNMENT

1



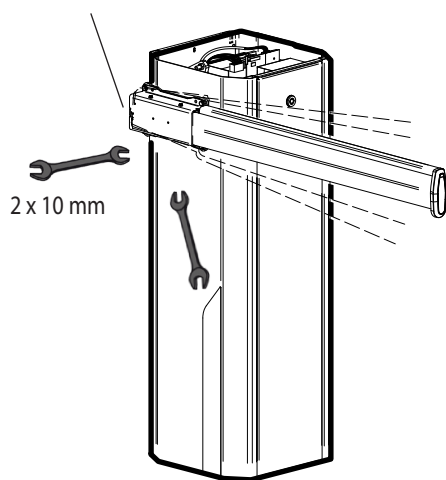
Electrically connect the control unit (see CSB-Xtreme instructions).



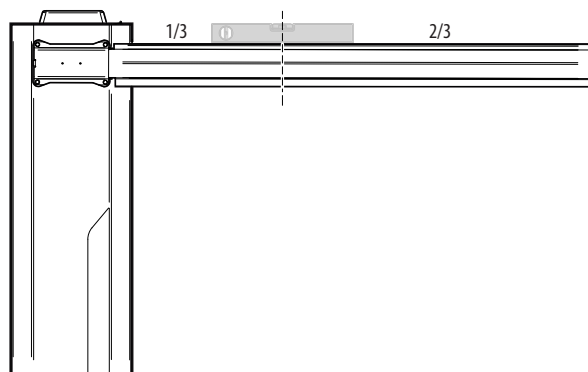
Use the "Start" command to bring the bar in horizontal position.

TO ALIGN THE BAR OPERATE THE ADJUSTABLE BAR HOLDER /

Adjustable bar holder.

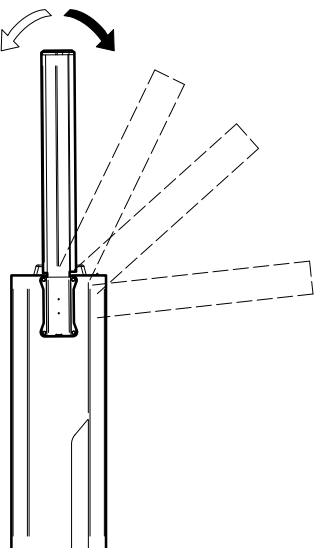


Check that the bar is in horizontal position (see image).

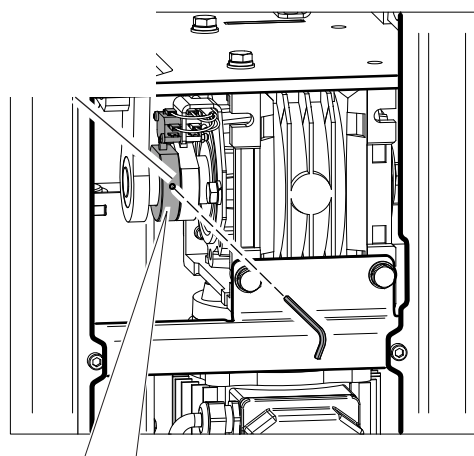


2

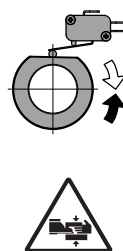
Opening microswitch cam.



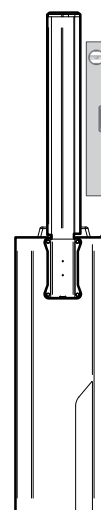
Use the "START" command to bring the bar to vertical position.



Adjust the bar vertically operating the cam of the opening limit switch.



Check that the bar is in vertical position.





BALANCING THE ARM

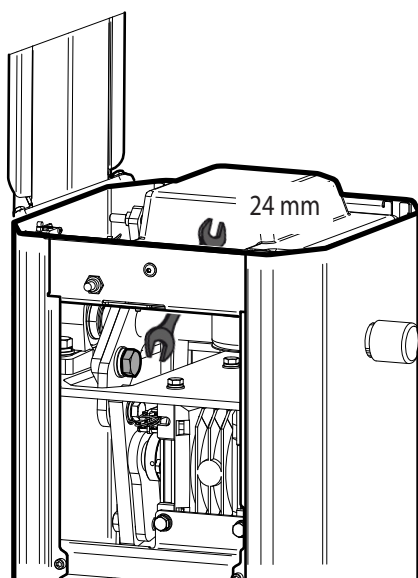


BEFORE PERFORMING ANY TASK ON THE EQUIPMENT, CUT OFF THE POWER SUPPLY.



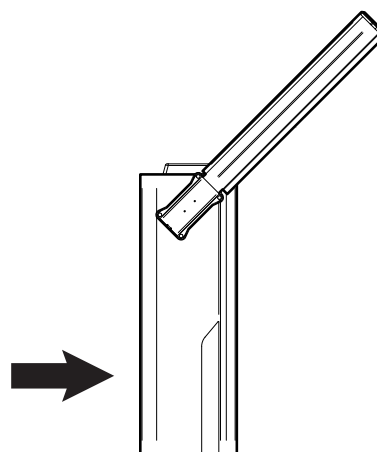
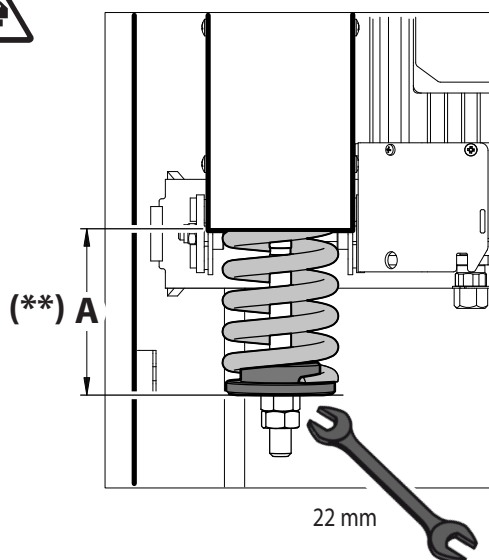
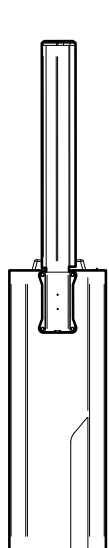
DO IT ONLY WITH THE BAR MOUNTED AND POSITIONED VERTICALLY

1



Remove the screw which secures the lever

2

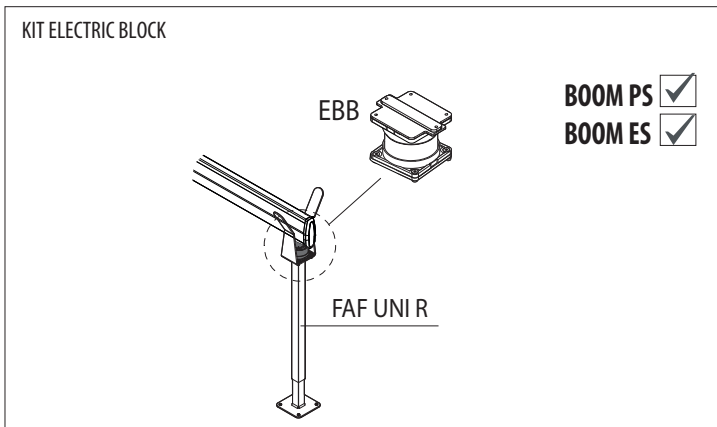
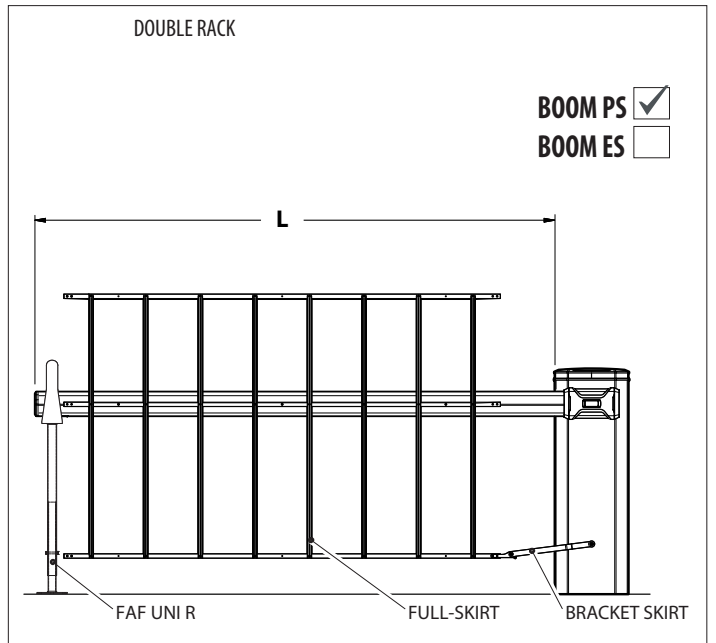
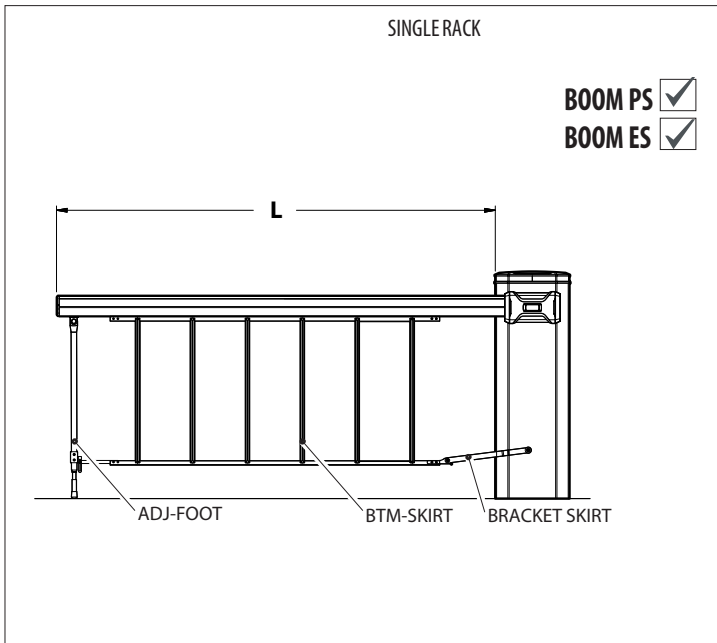
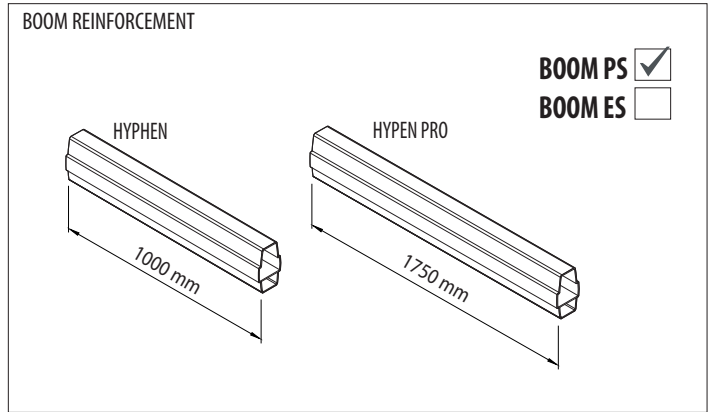
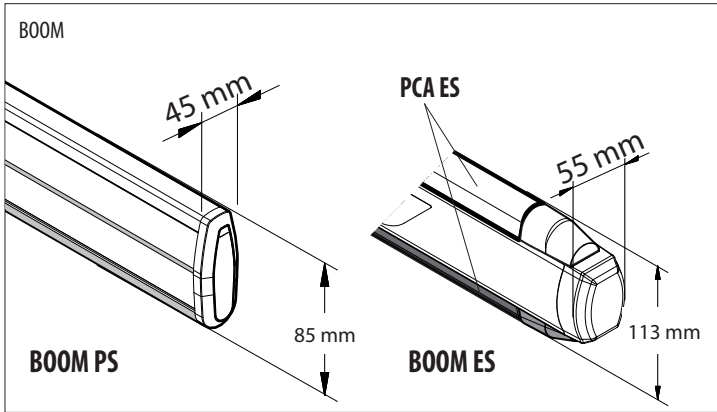


Bring the bar to vertical position

22 mm

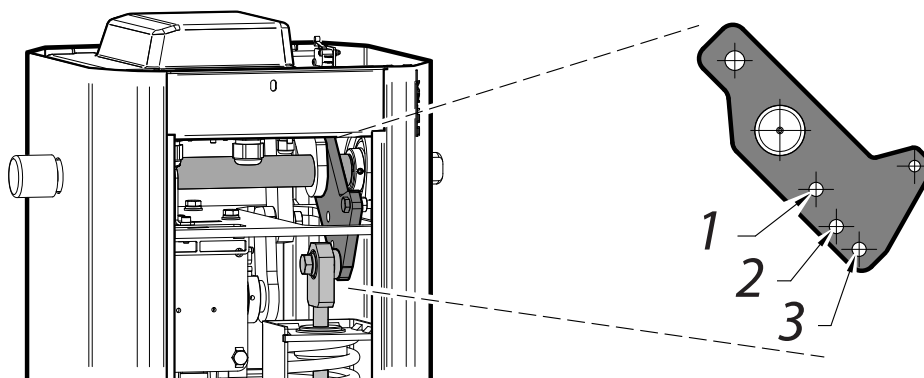
Check that the bar is balanced; if necessary, adjust again the distance "A".

() A =** Spring preload - see **H3 SPRINGS CALIBRATION TABLES**



2

SPRING COUPLING HOLES



3

SPRINGS CALIBRATION TABLES (APPROXIMATE DATA)

Electrically connect the control unit (see CSB-Xtreme instructions).



The preload value is indicative to reach the correct bar balance angle



Do not weigh the arm down by applying other accessories

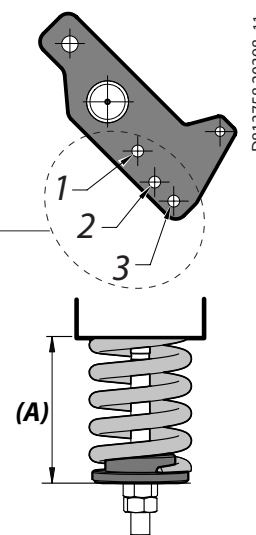
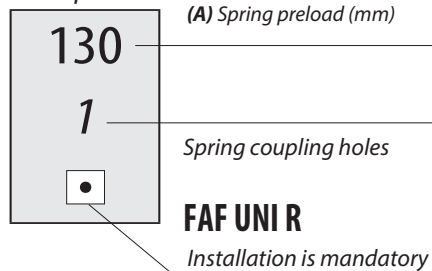


The values in the table are the same for the version with lights

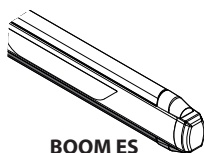
BOOM ES

LEGENDA	
MAXIMA ULTRA36	Spring wire
	Ø10 mm

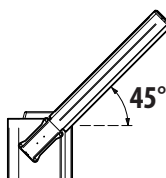
example:



D813758 20398_11



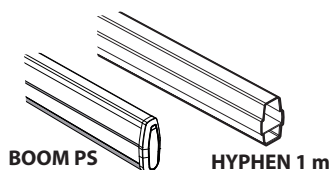
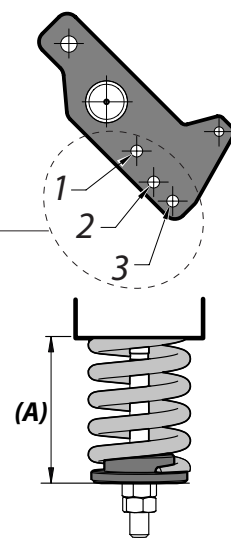
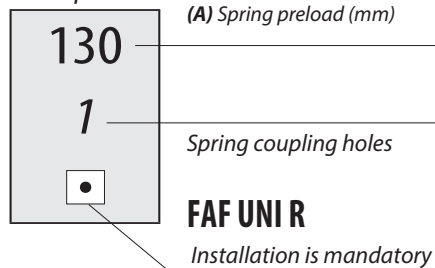
		L (m)											
		2	2,25	2,5	2,75	3	3,25	3,5	3,75	4	4,25	4,5	4,75
PCA ES ☐	EBB ☐	130 1	130 1	130 1	125 1	120 1	115 1	110 1	105 1	100 1	90 1	130 2	125 2
ADJ-FOOT ☐	BTM SKIRT ☐												
PCA ES ☒	EBB ☐	130 1	130 1	125 1	120 1	110 1	100 1	90 1	85 1	125 2	120 2	115 2	110 2
ADJ-FOOT ☐	BTM SKIRT ☐												
PCA ES ☒	EBB ☐									110 2	110 2	95 2	90 2
ADJ-FOOT ☒	BTM SKIRT ☐												
PCA ES ☒	EBB ☒			110 1	100 1	90 1	130 2	125 2	120 2	110 2	110 2	95 2	90 2
ADJ-FOOT ☐	BTM SKIRT ☐			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
PCA ES ☒	EBB ☐			115 1	100 1	90 1	125 2	120 2	115 2	105 2	95 2	125 3	120 3
ADJ-FOOT ☐	BTM SKIRT ☒									☐	☐	☐	☐
PCA ES ☒	EBB ☐									130 3	125 3	115 3	105 3
ADJ-FOOT ☒	BTM SKIRT ☒												
PCA ES ☒	EBB ☒			100 1	130 2	120 2	115 2	110 2	100 2	130 3	125 3	115 3	105 3
ADJ-FOOT ☐	BTM SKIRT ☒			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

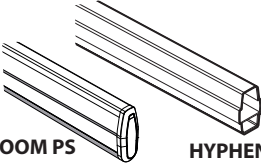
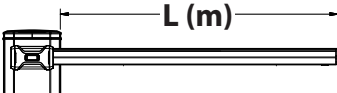


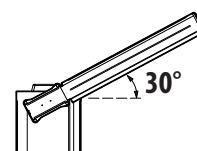
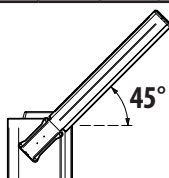
BOOM PS

LEGENDA		
MAXIMA ULTRA36	Spring wire	≥ 5 m HYPHEN mandatory
	Ø10 mm	
MAXIMA ULTRA36 XL	Spring wire	HYPHEN mandatory
	Ø11 mm	

example:



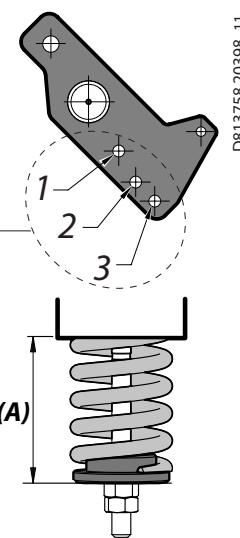
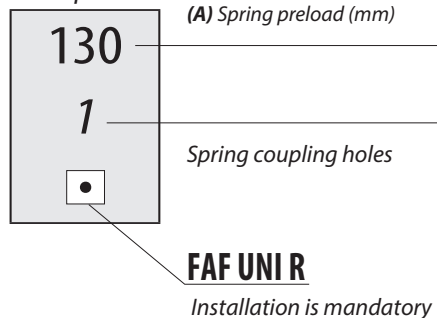
																		
		2	2,25	2,5	2,75	3	3,25	3,5	3,75	4	4,25	4,5	4,75	5	5,25	5,5	5,75	6
ADJ-FOOT ☐	BTM SKIRT ☐	130 1	130 1	125 1	120 1	110 1	100 1	90 1	85 1	125 2	120 2	115 2	110 2	100 2	90 2	125 3	115 3	110 3
EBB ☐	FULL SKIRT ☐														•	•	•	•
ADJ-FOOT ☒	BTM SKIRT ☐									110 2	110 2	95 2	90 2	125 3	115 3	110 3	100 3	95 2
EBB ☐	FULL SKIRT ☐																	
ADJ-FOOT ☐	BTM SKIRT ☐			110 1	100 1	90 1	130 2	125 2	120 2	110 2	110 2	95 2	90 2	125 3	115 3	110 3	100 3	95 2
EBB ☒	FULL SKIRT ☐			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ADJ-FOOT ☐	BTM SKIRT ☒			115 1	100 1	90 1	125 2	120 2	115 2	105 2	95 2	125 3	120 3	110 3	130 3	125 3	120 3	115 3
EBB ☐	FULL SKIRT ☐									•	•	•	•	•	•	•	•	•
ADJ-FOOT ☒	BTM SKIRT ☒									130 3	125 3	115 3	105 3	95 3	130 3	125 3	115 3	110 3
EBB ☐	FULL SKIRT ☐																	
ADJ-FOOT ☐	BTM SKIRT ☒			95 1	125 2	120 2	115 2	105 2	100 2	130 3	125 3	115 3	105 3	95 3	130 3	125 3	115 3	110 3
EBB ☒	FULL SKIRT ☐			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ADJ-FOOT ☐	BTM SKIRT ☐			105 1	90 1	130 2	125 2	115 2	100 2	130 3	125 3	115 3	105 3	95 3	125 3	120 3	110 3	105 3
EBB ☐	FULL SKIRT ☒									•	•	•	•	•	•	•	•	•
ADJ-FOOT ☐	BTM SKIRT ☐			130 2	125 2	120 2	115 2	100 2	130 3	125 3	110 3	100 3	90 3	130 3	120 3	110 3	100 3	
EBB ☒	FULL SKIRT ☒			•	•	•	•	•	•	•	•	•	•	•	•	•	•	



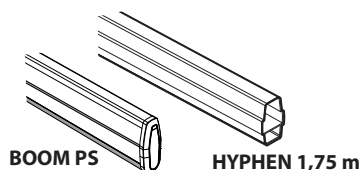
BOOM PS + HYPHEN PRO

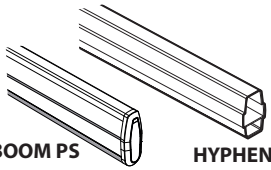
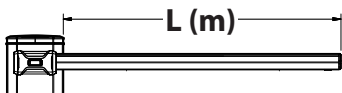
LEGENDA	
MAXIMA ULTRA36	Spring wire Ø10 mm
MAXIMA ULTRA36 XL	Spring wire Ø11 mm

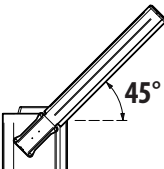
example:

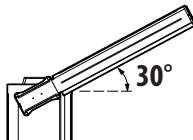


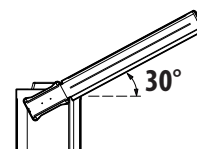
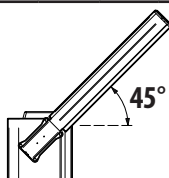
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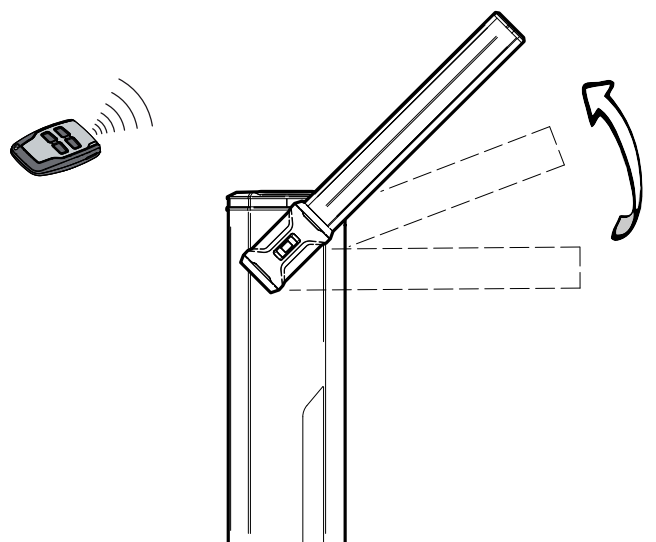
																			
		2	2,25	2,5	2,75	3	3,25	3,5	3,75	4	4,25	4,5	4,75	5	5,25	5,5	5,75	6	
ADJ-FOOT ☐	BTM SKIRT ☐											110	100	90	125	120	110	100	
EBB ☐	FULL SKIRT ☐											2	2	2	•	•	•	•	
ADJ-FOOT ☒	BTM SKIRT ☐											90	125	120	110	105	95	90	
EBB ☐	FULL SKIRT ☐											2	3	3	3	3	2	2	
ADJ-FOOT ☐	BTM SKIRT ☐											90	125	120	110	105	95	90	
EBB ☒	FULL SKIRT ☐											•	•	•	•	•	•	•	
ADJ-FOOT ☐	BTM SKIRT ☒											125	115	105	130	130	125	120	
EBB ☐	FULL SKIRT ☐											•	•	•	•	•	•	•	
ADJ-FOOT ☒	BTM SKIRT ☒											110	100	130	125	120	115	105	
EBB ☐	FULL SKIRT ☐											3	3	3	3	3	3	3	
ADJ-FOOT ☐	BTM SKIRT ☒											110	100	130	125	120	115	105	
EBB ☒	FULL SKIRT ☐											•	•	•	•	•	•	•	
ADJ-FOOT ☐	BTM SKIRT ☐											110	100	130	125	120	110	100	
EBB ☐	FULL SKIRT ☒											•	•	•	•	•	•	•	
ADJ-FOOT ☐	BTM SKIRT ☐											100	130	125	115	110	100		
EBB ☒	FULL SKIRT ☒											•	•	•	•	•	•		







I START UP



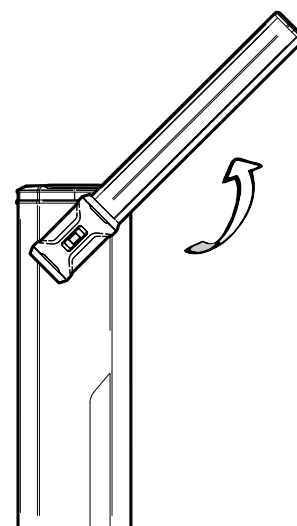
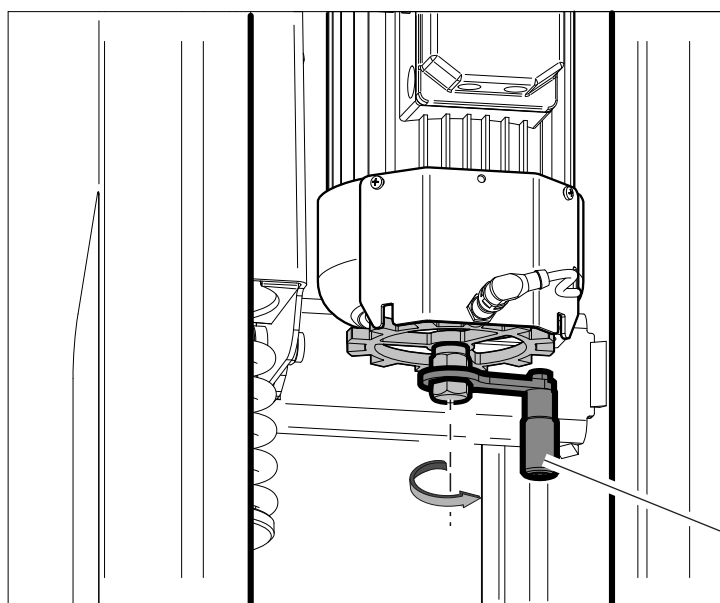
L HAND MANOEUVRE



BEFORE PERFORMING ANY TASK ON THE EQUIPMENT, CUT OFF THE POWER SUPPLY.



DO IT ONLY WITH THE BAR MOUNTED AND POSITIONED VERTICALLY



RELEASE CRANK

MAINTENANCE LOG

Installation data

Installer		Installation date	
Customer		Activation date	
Serial number		Luogo - Location - Lieu - Ort - Lugar - Plaats	

Maintenance date

N.	Date	Intervention description	Signature	
1			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
2			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
3			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
4			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
5			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
6			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
7			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
8			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
9			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
10			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
11			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
12			Tecnico / Technician / Technicien Techniker / Técnico / Monteur	Ciente / Customer / Client Kunde/ Cliente / Klant
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