

ACCESS CONTROL  
AND AUTOMATION.  
2024 CATALOGUE  
UP DATE 10-2024

**G·B·D·**  
CREATIVE AUTOMATIONS







**MADE IN ITALY  
PRODUCTS**



**5 YEARS WARRANTY  
EXTENSION**

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AND AUTOMATION.

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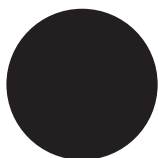
## CREATIVE COMPANY

Founded in Italy, GIBIDI has been manufacturing and distributing high quality automation equipment for over 50 years. Since 1972, GIBIDI had designed and manufactured with quality at the very centre of its ethos. This ethos is reflected in our products and the service we strive to provide.

GIBIDI products are manufactured at two plants: Our Poggio Rusco facility serves as our centre for mechanical design, assembly and testing, whilst at Casale Litta, our team is focused on the design and production of our electrical components and equipment. All in all, GIBIDI has in excess of 6,000 square meters dedicated to bringing our Creative Automations to life.

Today, we have a global reach, with active subsidiaries and specialised distributors in over 40 countries.





ACCESS CONTROL  
AND AUTOMATION.

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## CREATIVE MISSION

GIBIDI mission is creating freedom of movement. Get in and out, open and close gates, garages and all the entrances with a simple gesture in complete comfort.

Freedom of movement for all: end users, dealers, installers.



## CREATIVE EVOLUTION

Siamo attenti alle richieste del mercato e all'evoluzione dei bisogni degli utenti, cercando sempre di anticiparli.

Per questo motivo GIBIDI investe continuamente nella ricerca e nello sviluppo di nuove soluzioni per semplificare la vita ai nostri clienti attraverso tecnologie e servizi all'avanguardia.



## CREATIVE KNOW-HOW

A history of more than 50 years reflects in products quality and technological solutions of GIBIDI automatic devices: for instance the hydraulic system with vacuum-pack circuit, that grants the inalterability and reliability of performances over time, that is an exclusive characteristic in the market.

Thanks to our knowledge and technical mastery, we have been able to develop new services, as the direct and customized technical training for our partners, the warranty for 3 years on our products and a high level technical service.

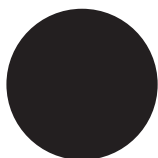


## CREATIVE AUTOMATIONS

GIBIDI creates the best automations thanks to a team of true, enthusiastic and enterprising people, always by customers side and ready for future challenges.

No fears, but always smiling.





# ACCESS CONTROL AND AUTOMATION.



Dear customer, it is with great pleasure that we present the new 2024 catalogue. We continue to invest to improve the quality of products and the level of services. From this year and for the foreseeable future, many new features will be made available to everyone. Among the most significant we find the new RUNNER series range for awnings and shutters with BIDIRECTIONAL technology, the new SL530 for 500KG sliding gates, the new versions of the SERRA and the new GROUND 634. Discover also the new range of ROAD bollards and the new automations for ST series shutters, the new control units for shutters and much more. We are also present on all the major social networks, through which you can stay in touch with us and discover other news. With GIBIDI for a more creative world.



## SL530

230 Vac Operator  
for sliding gates max 500 Kg



## GROUND 634

New 24 Vdc version  
with encoder



## REB

New REB range.  
Bidirectional motors



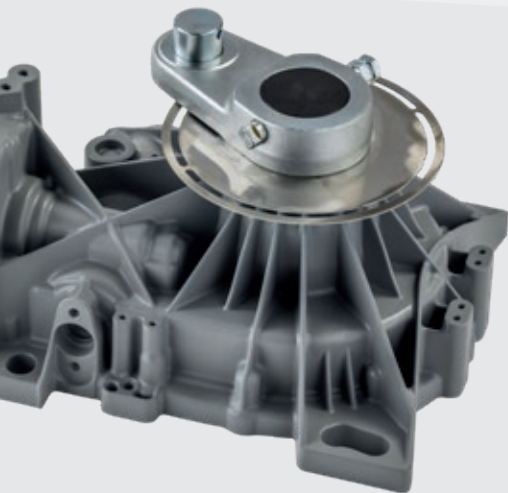
## ST RANGE

New Range for shutters





**SERRA 330**  
230 Vac swing gate operator



**ROAD RANGE**  
New rising bollards



**RB3**  
New wireless safety edges







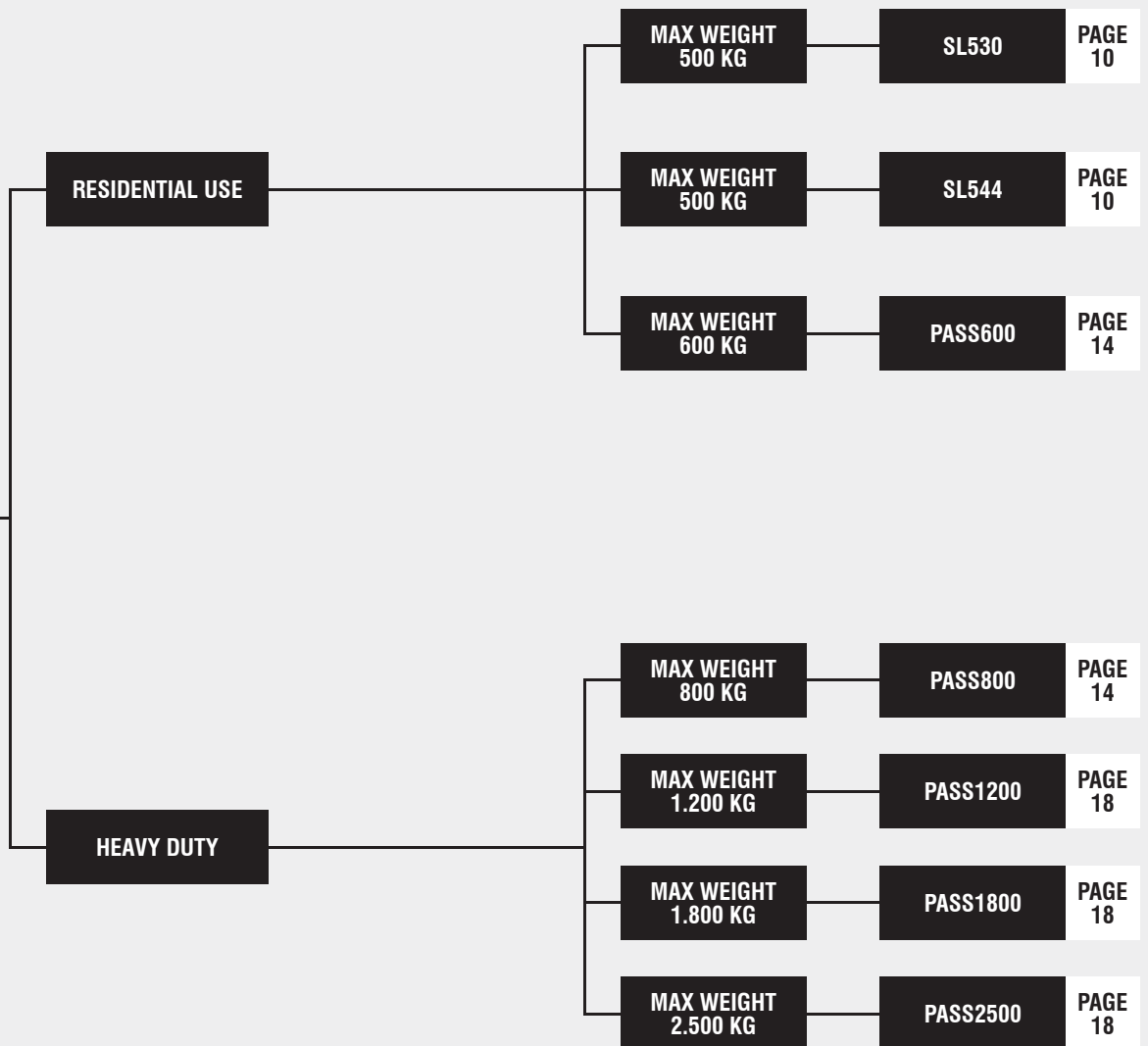
## SLIDING GATES SYSTEMS.

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ELECTROMECHANICS







## SLIDING GATES SYSTEMS.

10

SL530-544

230-24V

\*PRODUCT ALSO AVAILABLE AT 115 VAC

UP TO 500KG

Electromechanical irreversible gearmotor for Sliding gates of small and medium size (up to 500 Kg). Suitable for residential use.

### EASY TO INSTALL

Thanks to the encoder technology, the new graphic display (24 Vdc only), that guides you step-by-step, and self-learning. Possibility of adjustments on horizontal and vertical axis.

### SILENT AND STRONG

Thanks to the steel and bronze-aluminium gears that make it reliable over time. Bearings release device mechanism.

### FAST AND RELIABLE

Fast and controlled movement up to 22cm/sec, highest level of safety, as provided in EN 12453 standards.

### TECHNOLOGICAL

Control unit SE24 built-in with automatic learning function of gate parameters. RTC (Real Time clock) with battery to manage timer and logs events. SC131 analogic control unit for the 230Vac with self-learning and slow-downs.

### POWER CUT/BATTERY BACK-UP

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply.



EMBEDDED CONTROL UNIT



PAINTED ALUMINIUM STRUCTURE



STEEL MADE GEARS



BACKLIT GRAPHIC DISPLAY

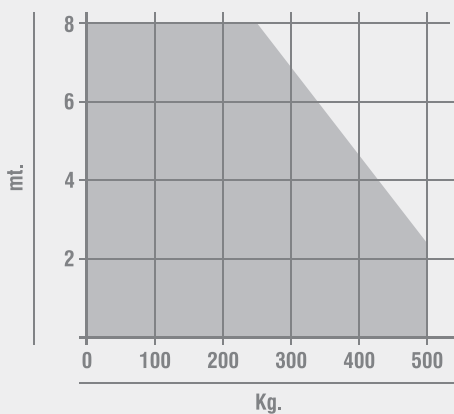


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**TECHNICAL FEATURES**

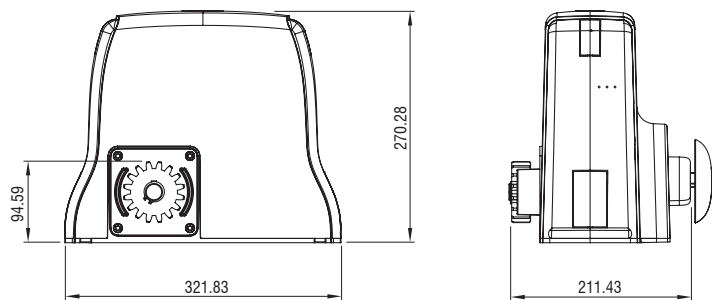
	<b>SL544</b>	<b>SL530</b>
Type of use	<b>HEAVY DUTY</b>	<b>RESIDENTIAL</b>
Frequency of use	<b>90%</b>	<b>40%</b>
Motor power supply	<b>24 Vdc</b>	<b>230 Vac</b>
Absorbed power	<b>100W</b>	<b>450W</b>
Protection degree	<b>IP55</b>	<b>IP44</b>
Gate speed	<b>220 mm/s (13 m/min) - Z=16 M4</b>	<b>160 mm/s (10 m/min) - Z=16 M4</b>
Max torque	<b>12 Nm</b>	<b>15 Nm</b>
Nominal torque	<b>6 Nm</b>	<b>10 Nm</b>
Adjustable torque	<b>ELECTRONIC</b>	<b>ELECTRONIC</b>
Adjustable speed	<b>YES</b>	<b>YES</b>
Max gate weight	<b>500 Kg</b>	<b>500 Kg</b>
Operating temperature	<b>-20°C +60°C</b>	<b>-20°C +60°C</b>
Type of lubrication	<b>GBD WH-01 GREASE</b>	<b>GBD WH-01 GREASE</b>
Weight of the unit	<b>8 Kg</b>	<b>9 Kg</b>

**APPLICATION DIAGRAM**



■ SL 544    ■ SL 530

**DIMENSIONS**







## SLIDING GATES SYSTEMS.



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SL530-544

230-24V

\*PRODUCT ALSO AVAILABLE AT 115 VAC

UP TO 500KG

					Code
<b>1A</b>	SL544	With SE24* control unit and encoder	1	40	975044
<b>1B</b>	SL530	With SC131* control unit	1	40	97530

! Foundation plate not included

\* Control unit technical details, see page 119

### ACCESSORIES



**AJ00600**  
Manual release device with personalized keys.



**A90702P**  
Spare handle for SL release device



**AJ92190**  
Foundation plate for SL and PASS



**AJ00910**  
"L" shaped bracket for magnetic limit switches (to be welded)



**AJ00605**  
Plastic enclosure for SL battery back-up



**AJ00606**  
24V Battery charger board for AJ00605




**AJ00900**  
Nr 1 battery (12V - 1,9Ah). For 24V system need 2 pcs.



**AJ91111**  
Steel core gear rack module 4, with nylon fiber coating, max 600kg



**AJ91112/3**  
4 mt of C40 steel gear rack module 4 (30x12) with 12 spacers. For gates over 600 kg.

			Code
KIT SL544	1	40	K544/BFSLT
KIT SL530	1	40	K530/BFSLT

INCLUDED IN THE KIT:



**1** SL530/544  
with embedded  
control unit



**2** 70750  
Complete flashing lamp  
device DSL70750  
12-24-115-230V



**3** Radio receiver board



**4** AU03100  
MAKO remote control  
433Mhz



**5** AU01940  
Wall mounted key selector  
model DCS100

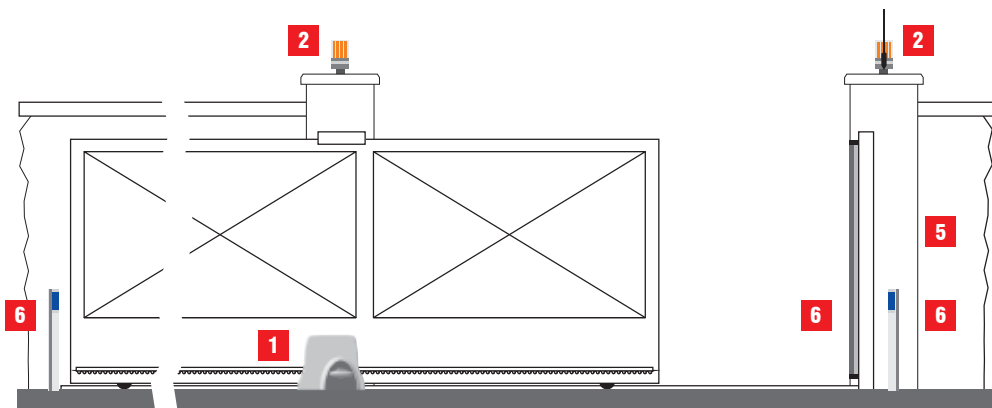


**6** AU02250  
Pair of DCF180  
wall mounted photocells



**7** AJ75800  
Gate warning plate

INSTALLATION LAY-OUT





## SLIDING GATES SYSTEMS.

14

PASS 800

230V \*PRODUCT ALSO AVAILABLE AT 115 VAC

UP TO 800KG

Irreversible electromechanical gearmotor in 230 Vac for sliding gates of medium size and weight (up to 800 Kg), for residential and heavy use.

### EASY TO INSTALL

Control unit in a very good position for the installer. Possibility of adjustments on horizontal and vertical axis.

### SILENT AND STRONG

Made with heat-treated gears, big size, completely in oil bath. Painted aluminium structure, that makes it reliable over time.

### PERFORMING

Special motors in oil bath for the best yield even in case of heavy use. New irreversible and ant slip gears.

### TECHNOLOGICAL AND SAFE

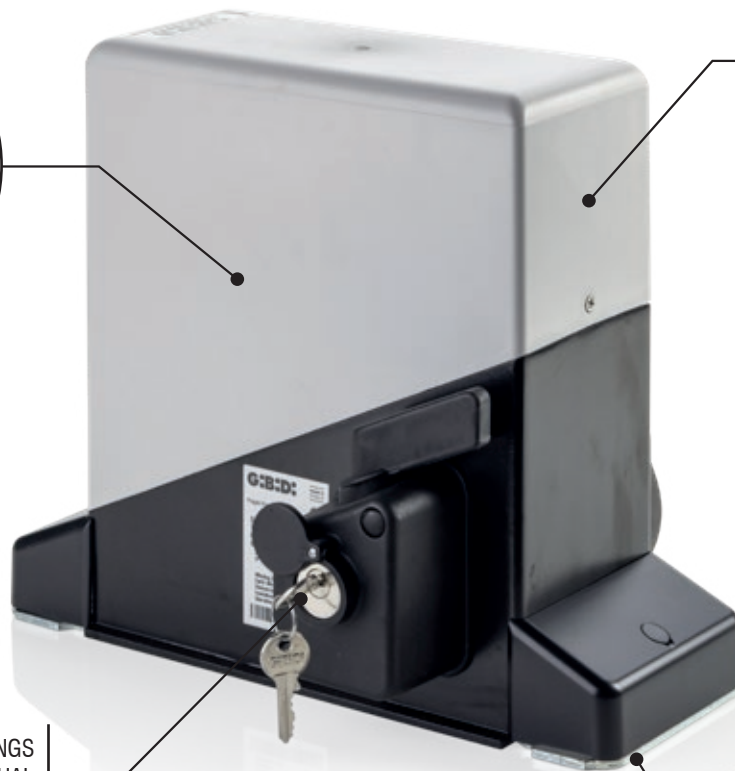
Built-in control unit provided with all the inputs for safety devices, embedded encoder technology for a simple self-learning and the adjustment of the anti-crushing sensitivity. Highest safety level, as provided in EN 12453 standards.

### DESIGN

The most compact of its category because of its direct horizontal motor, only 10 cm of thickness.



EMBEDDED CONTROL UNIT



OIL BATH HARDENED STEEL GEARS

BEARINGS OPERATED MANUAL RELEASE DEVICE



ADJUSTABLE STEEL BRACKETS



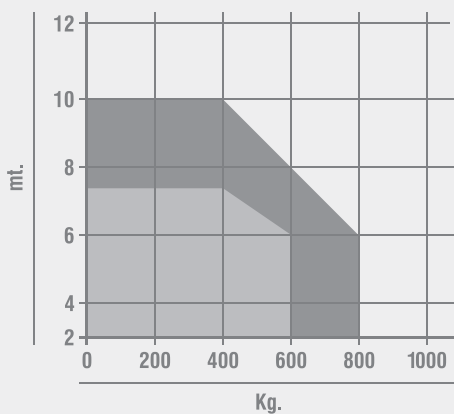
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**TECHNICAL FEATURES**

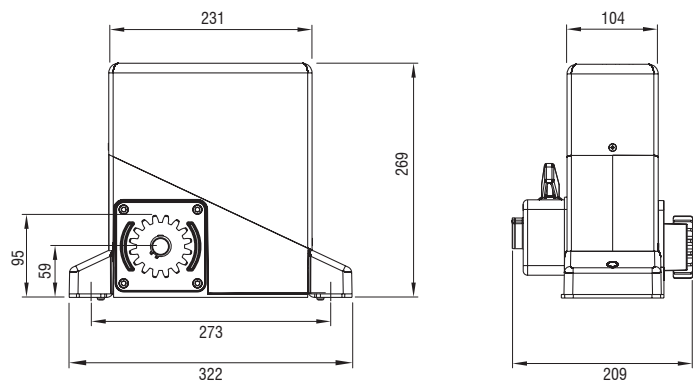
	<b>PASS 800</b>
Type of use	<b>HEAVY DUTY</b>
Frequency of use	<b>40%</b>
Motor power supply	<b>230Vac - 50/60Hz</b>
Absorbed power	<b>400W</b>
Protection degree	<b>IP55</b>
Gate speed	<b>160 mm/s (9,6 m/min) - Z=16 M4</b>
Max torque	<b>24 Nm</b>
Adjustable torque	<b>ELECTRONIC</b>
Adjustable speed	<b>YES</b>
Max gate weight	<b>800 Kg</b>
Operating temperature	<b>-20°C + 60°C</b>
Thermal switch	<b>140°C</b>
Type of lubrication	<b>OIL GBD PH-01</b>
Weight of the unit	<b>12 Kg</b>

**APPLICATION DIAGRAM**



■ **PASS 800**

**DIMENSIONS**







## SLIDING GATES SYSTEMS.

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PASS 800

230V \*PRODUCT ALSO AVAILABLE AT 115 VAC

UP TO 800KG

				Code
PASS821	Without control unit, with limit switch reader	1	30	927008..9L/N
<b>1</b> PASS841E	With <b>SC230E*</b> control unit and encoder <b>EN</b>	1	30	927708A9L/N

**!** Foundation plate not included

**\*** Control unit technical details, see page 121

### ACCESSORIES



**AJ92190**  
Foundation plate  
for SL and PASS



**AJ00910**  
"L" shaped bracket for  
magnetic limit switches  
(to be welded)



**AJ00590**  
Fast pinion Z=18 M4,  
173mm/sec



**AJ00480**  
Wider pinion  
Z=16 M4



**AJ91111**  
Steel core gear rack module 4,  
with nylon fiber coating, max 600kg



**AJ91112/3**  
4 mt of C40 steel gear rack module 4 (30x12)  
with 12 spacers. For gates over 600 kg.

KIT PASS 841E	<b>1</b> x1	<b>2</b> x1	<b>3</b> x1	<b>4</b> x2	<b>5</b> x1	<b>6</b> x1	<b>7</b> x1		SF	EN		1		30	Code	K8256LN/BFSLT
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### INCLUDED IN THE KIT:



**1 PASS 800**  
PASS operator with embedded SC230E control unit



**2 70750**  
Complete flashing lamp device DSL70750  
12-24-115-230V



**3 AU02910**  
2 channels plug-in receiver board for control units



**4 AU03100**  
MAKO remote control 433Mhz



**5 AU01940**  
Wall mounted key selector model DCS100

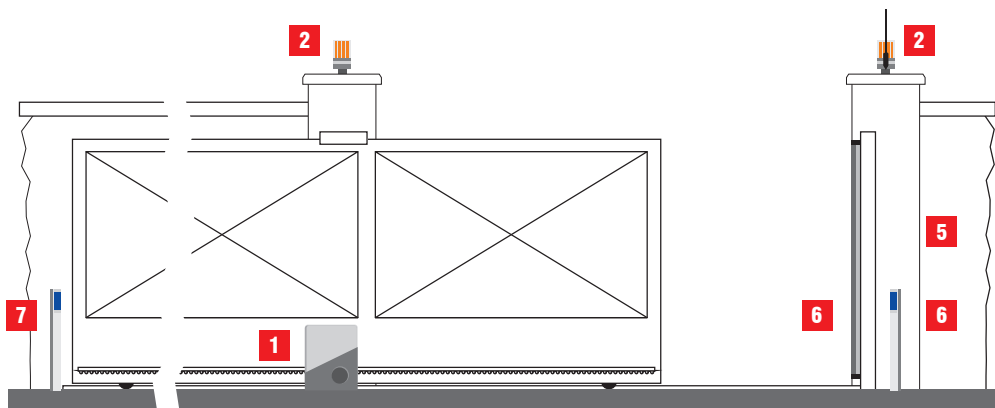


**6 AU02250**  
Pair of DCF180 wall mounted photocells



**7 AJ75800**  
Gate warning plate

### INSTALLATION LAY-OUT





## SLIDING GATES SYSTEMS.

18 **PASS 1200 - 1800 - 2500**

**230-380V** \*PRODUCT ALSO AVAILABLE AT 115 VAC

**UP TO 2500KG**

Irreversible electromechanical gear motor in 230 Vac and 400 Vac three-phase for sliding gates of big size and weight (up to 2.500 Kg), for heavy duty.

### EASY TO INSTALL

Control unit in a very good position for the installer. Encoder technology for an easy auto-learning set up. Possibility of adjustments on horizontal and vertical axis.

### SILENT AND STRONG

Made with heat-treated gears, big size, completely in oil bath (1 kg of oil). Painted aluminium structure that makes it reliable over time.

### PERFORMING

Special motors in oil bath for the best yield even in case of heavy use, versions with mechanical double-disc clutch (PASS2500). New irreversible and anti-sliding gears.

### TECHNOLOGICAL AND SAFE

Built-in control unit provided with all the inputs for safety devices, embedded encoder technology for a simple self-learning and the adjustment of the anti-crushing sensitivity. Highest safety level, as provided in EN 12453 standards.

### DESIGN

The most compact of its category because of its direct horizontal motor, only 14 cm of thickness.

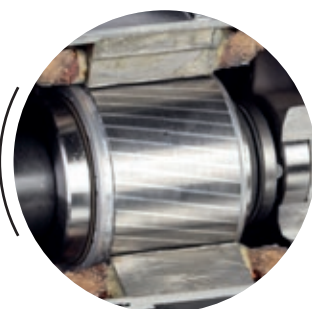


EMBEDDED CONTROL UNIT



OIL BATH HARDENED STEEL GEARS

BEARINGS OPERATED MANUAL RELEASE DEVICE



OIL BATH DUAL DISK CLUTCH (PASS2500)



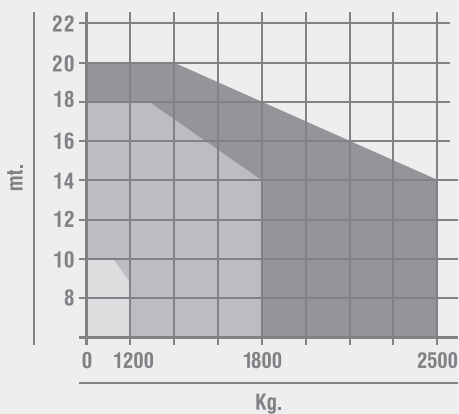
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**TECHNICAL FEATURES**

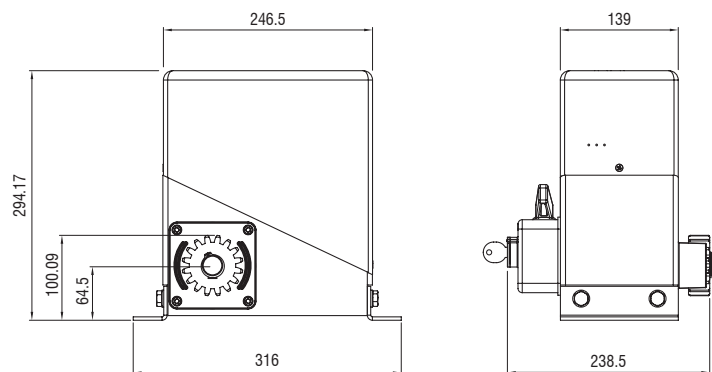
	<b>PASS1200</b>	<b>PASS1800</b>	<b>PASS2500</b>
Type of use	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>
Frequency of use	<b>90%</b>	<b>60%</b>	<b>70%</b>
Motor power supply	<b>230Vac - 50/60Hz</b>	<b>230Vac - 50/60Hz</b>	<b>380Vac - 3 phase</b>
Absorbed power	<b>700w</b>	<b>700W</b>	<b>750W</b>
Protection degree	<b>IP55</b>	<b>IP55</b>	<b>IP55</b>
Gate speed	<b>150 MM/S (9 M/MIN) - Z=16 M4</b>	<b>150 mm/s (9 m/min) - Z=16 M4</b>	<b>150 mm/s (9 m/min) - Z=16 M4</b>
Max torque	<b>50 Nm</b>	<b>60 Nm</b>	<b>90 Nm</b>
Adjustable torque	<b>ELECTRONIC</b>	<b>ELECTRONIC</b>	<b>MECHANICAL</b>
Adjustable speed	<b>YES</b>	<b>YES</b>	<b>NO</b>
Max gate weight	<b>1.200 Kg</b>	<b>1.800 Kg</b>	<b>2.500 Kg</b>
Operating temperature	<b>-20°C +60°C</b>	<b>-20°C +60°C</b>	<b>-20°C +60°C</b>
Thermal switch	<b>140°C</b>	<b>140°C</b>	<b>140°C</b>
Type of lubrication	<b>OIL GBD PH-02 (1 Kg)</b>	<b>OIL GBD PH-02 (1 Kg)</b>	<b>OIL GBD PH-02 (1 Kg)</b>
Weight of the unit	<b>15 Kg</b>	<b>15 Kg</b>	<b>15 Kg</b>

**APPLICATION DIAGRAM**



■ PASS 1200/30/40 ■ PASS 1800/30/40 ■ PASS 2500

**DIMENSIONS**





# SLIDING GATES SYSTEMS.

20

PASS 1200 - 1800 - 2500

230-380V

\*PRODUCT ALSO AVAILABLE AT 115 VAC

UP TO 2500KG

					Code
PASS1221	Without control unit, with limit switch reader	SF	1	36	9390129L/N
<b>1A</b> PASS1241E	With SC230E* control unit and encoder	SF EN	1	36	939812A9L/N
PASS1821	Without control unit, with limit switch reader	SF	1	36	9390189L/N
<b>1B</b> PASS1841E	With SC230E* control unit and encoder	SF EN	1	36	939818A9L/N
PASS2500	Without control unit, with limit switch reader		1	36	939025N
PASS2500E	Without control unit, with limit switch reader and encoder	EN	1	36	939025AN

- !** Foundation plate not included
- \*** Control unit technical details, see page 121
- SF** Model without mechanical clutch

## ACCESSORIES



**AJ92190**  
Foundation plate for SL and PASS



**AJ00910**  
"L" shaped bracket for magnetic limit switches (to be welded)



**AJ00580**  
Fast pinion Z=18 M4, 172mm/sec



**AJ00470**  
Wider pinion Z=16 M4



**AJ91112/3**  
4 mt of C40 steel gear rack module 4 (30x12) with 12 spacers. For gates over 600 kg.

## CONTROL UNITS



**AS05800**  
Recommended control unit for PASS2500 (SC380)  
See page 120

			Code
KIT PASS 1241E	1	30	K1241EN/BFSLT
KIT PASS 1841E	1	30	K1841EN/BFSLT

**!** The kit is supplied in multiple packages

### INCLUDED IN THE KIT:



**1 PASS 1200-1800**  
PASS operator with embedded SC230E control unit



**2 70750**  
Complete flashing lamp device DSL70750 12-24-115-230V



**3 AU02910**  
2 channels plug-in receiver board for control units



**4 AU03100**  
MAKO remote control 433Mhz



**5 AU01940**  
Wall mounted key selector model DCS100

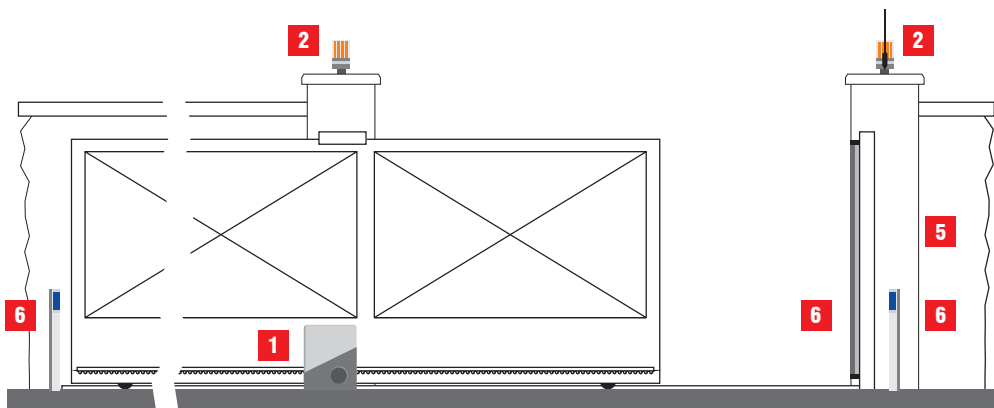


**6 AU02250**  
Pair of DCF180 wall mounted photocells



**7 AJ75800**  
Gate warning plate

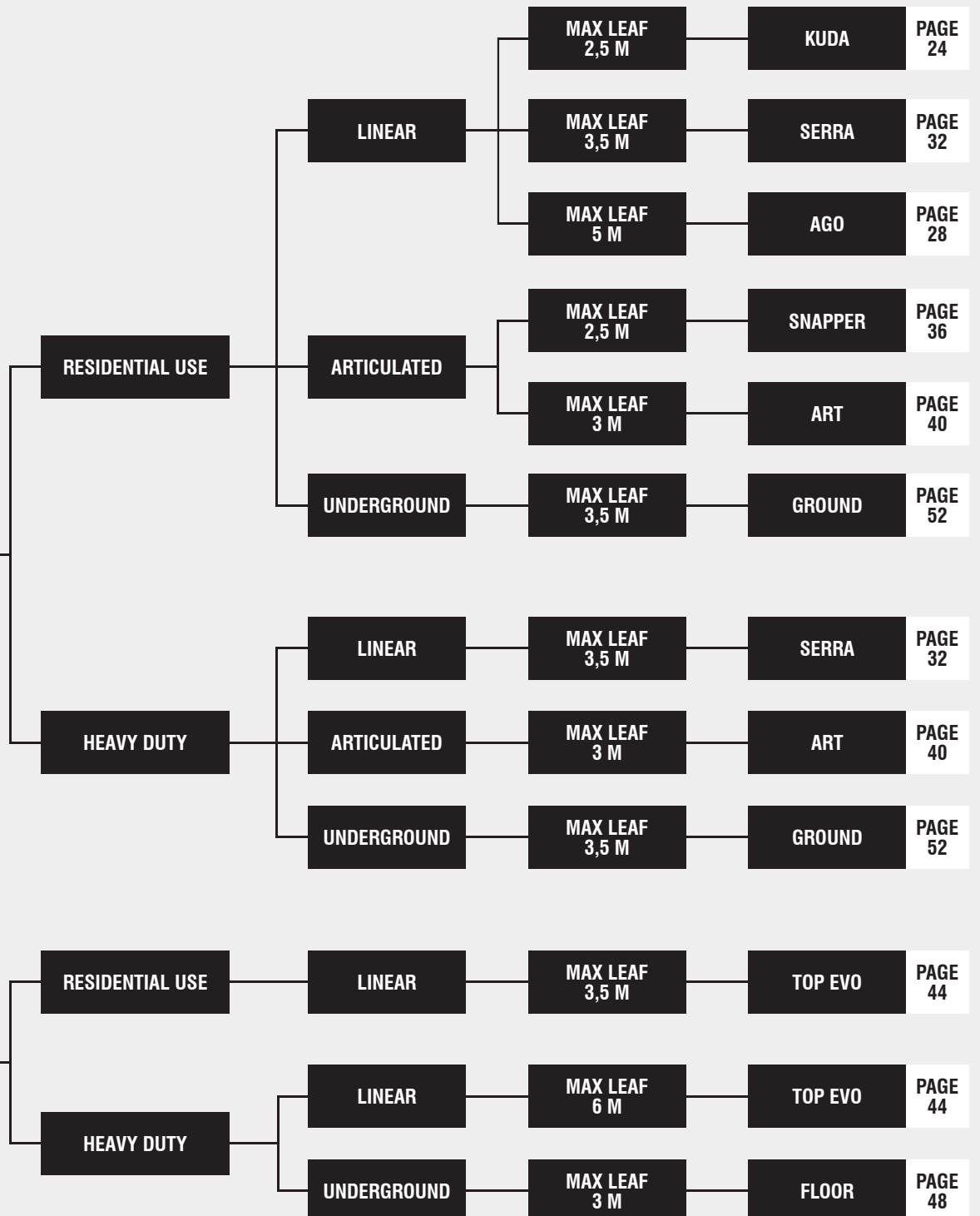
### INSTALLATION LAY-OUT





ELECTROMECHANICS

HYDRAULICS







Electromechanical operator in 24Vdc with encoder, for swinging gates of small size and weight, for residential use.

**EASY TO INSTALL**

Thanks to the adjustable brackets, that it is not necessary to weld. The control unit offers the complete self-learning function. Supplied with 1m cable.

**SILENT AND FAST**

Made with gears in steel, bronze-aluminium and special polymers. This combination allows managing a high and adjustable speed of movement.

**TECHNOLOGICAL AND SAFE**

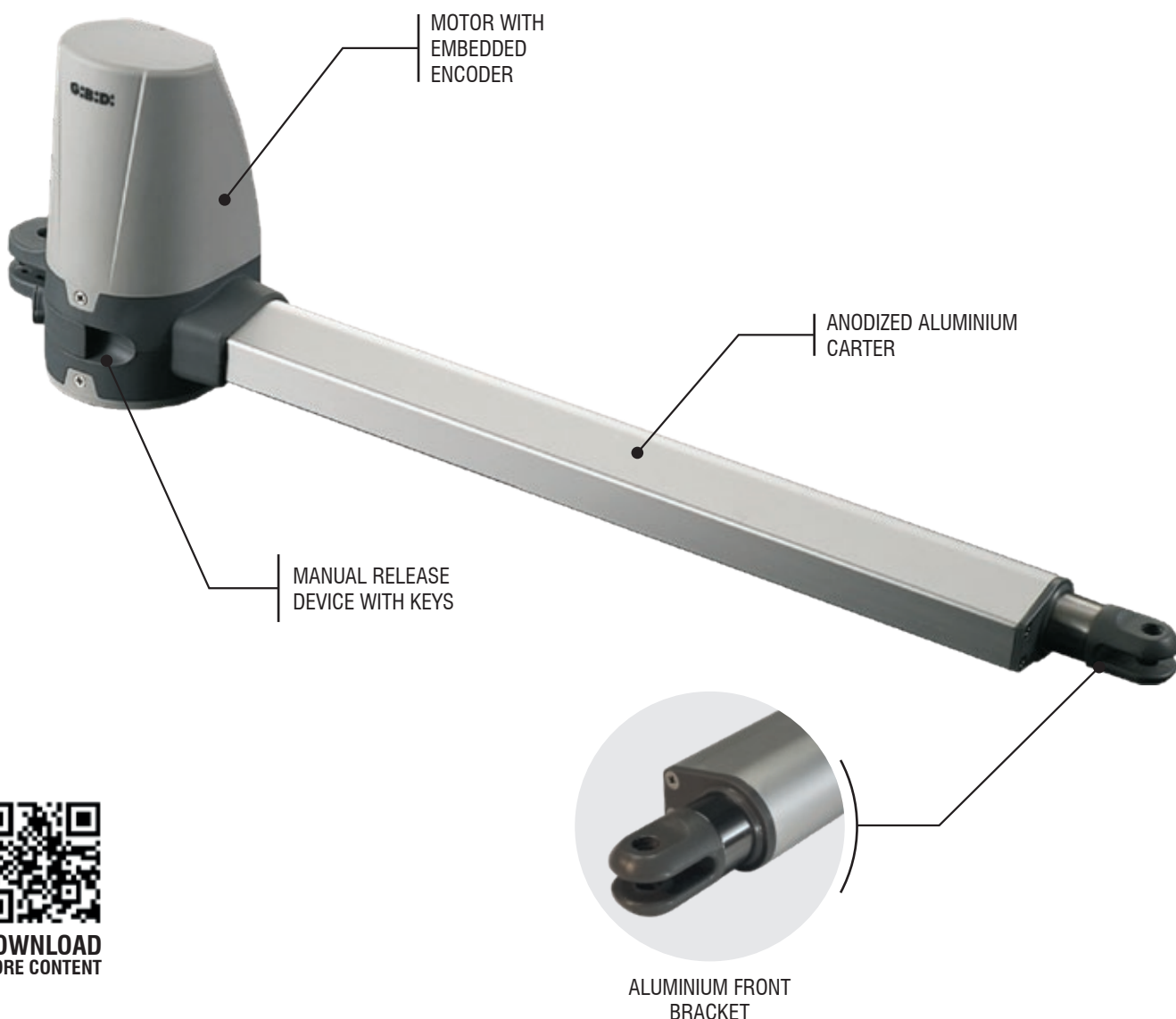
Built-in innovative encoder technology. Thanks to the GIBIDI control unit provided with all the inputs for safety devices, included the encoder sensor for the adjustment of the integrated anti-crushing sensitivity it is possible to meet the highest safety level, as provided in EN 12453 standards.

**DESIGN**

The most compact of its category with a tapered and simple design, suitable for every kind of gate.

**POWER CUT/BATTERY BACK-UP**

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply



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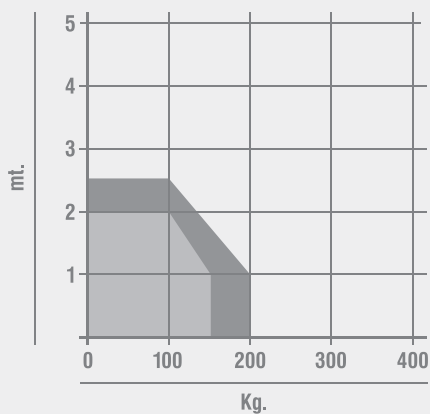
## TECHNICAL FEATURES

	KUDA150	KUDA200
Type of use	RESIDENTIAL	RESIDENTIAL
Frequency of use	INTENSIVE	INTENSIVE
Motor power supply	24 Vdc	24 Vdc
Absorbed power	100W	100W
Protection degree	IP44	IP44
Rod speed	20 mm/s	20 mm/s
Max rod stroke	360 mm	400 mm
Max thrust force	1.000 N	1.500 N
Adjustable force	ELECTRONIC	ELECTRONIC
Adjustable speed	YES**	YES**
Max leaf width	2,0 m*	2,5 m*
Operating temperature	-20°C + 60°C	-20°C + 60°C
Encoder/limit switch	ENCODER	ENCODER
Type of lubrication	GREASE GBD WH-01	GREASE GBD WH-01
Weight of the unit	4,5 Kg	5 Kg

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

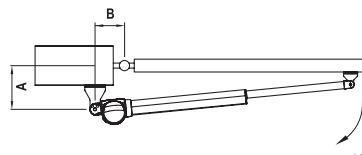
\*\* By the use of the BE24 control board

### APPLICATION DIAGRAM



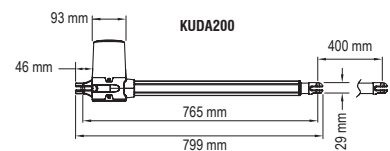
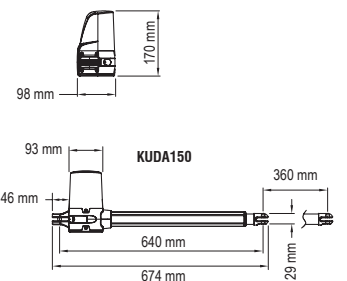
■ KUDA150    ■ KUDA200

### INSTALLATION MEASURES




	B	A	B
KUDA150	90°	180	180
KUDA150	110°	160	160
KUDA200	90°	200	200
KUDA200	110°	190	190

### DIMENSIONS





						Code
<b>1A</b>	<b>KUDA150SX</b>	Kuda 150 - left hand operator	<b>EN</b>	1	28	15000/SX
<b>1A</b>	<b>KUDA150DX</b>	Kuda 150 - right hand operator	<b>EN</b>	1	28	15000/DX
<b>1B</b>	<b>KUDA200SX</b>	Kuda 200 - left hand operator	<b>EN</b>	1	20	22000/SX
<b>1B</b>	<b>KUDA200DX</b>	Kuda 200 - right hand operator	<b>EN</b>	1	20	22000/DX

ACCESSORIES

CONTROL UNITS



**AJ01483**  
Battery back kit  
for BE24 board



**AJ00632**  
24V electric-lock  
(see page 140 for the  
counter plate model)



**P9AH06010**  
Spare keys for Kuda  
release device



**AS06250**  
For 1 or 2 motors (BE24)  
See page 119





**AJ70164**  
Counterbushing for  
horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock

													Code
KIT KUDA150	<b>1A</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		EN	1	24	K155/BFSLT
KIT KUDA200	<b>1B</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		EN	1	20	K205/BFSLT

**INCLUDED IN THE KIT:**



**1 KUDA 150-200**  
KUDA Operators



**2 AS06250**  
For 1 or 2 motors  
(BE24)



**3** Radio receiver board



**4 70750**  
Complete flashing lamp  
device DSL70750  
12-24-115-230V



**5 AU03100**  
MAKO remote control  
433Mhz



**6 AU01940**  
Wall mounted key selector  
model DCS100

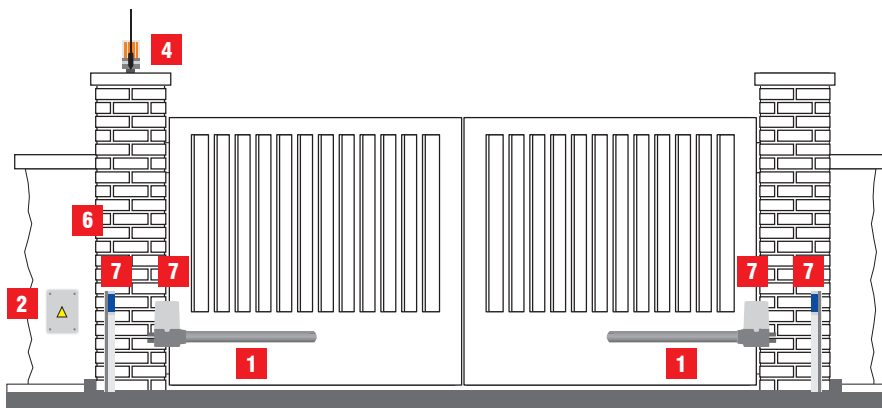


**7 AU02250**  
Pair of DCF180  
wall mounted photocells



**8 AJ75800**  
Gate warning plate

**INSTALLATION LAY-OUT**







Electromechanical operator in 230 Vac and 24 Vdc with encoder, for swinging gates of medium and big size, for residential and heavy use.

### EASY TO INSTALL

Thanks to the adjustable brackets, that it is not necessary to weld.

### SILENT AND FAST

Gears in steel, bronze-aluminium. Thanks to this combination, you can manage a high and adjustable speed of movement.

### TECHNOLOGICAL AND SAFE

24 Vdc version is provided with encoder to simply manage

the automatic programming and the adjustment of the integrated anti-crushing sensitivity. Highest safety level, as provided in EN 12453 standards.

### DESIGN AND RELIABILITY

The most compact of its category with a tapered and simple design, suitable for every kind of gate. Completely made in die-cast aluminium and steel powder coating painted. The rod is in stainless steel.

### POWER CUT/BATTERY BACK-UP

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply



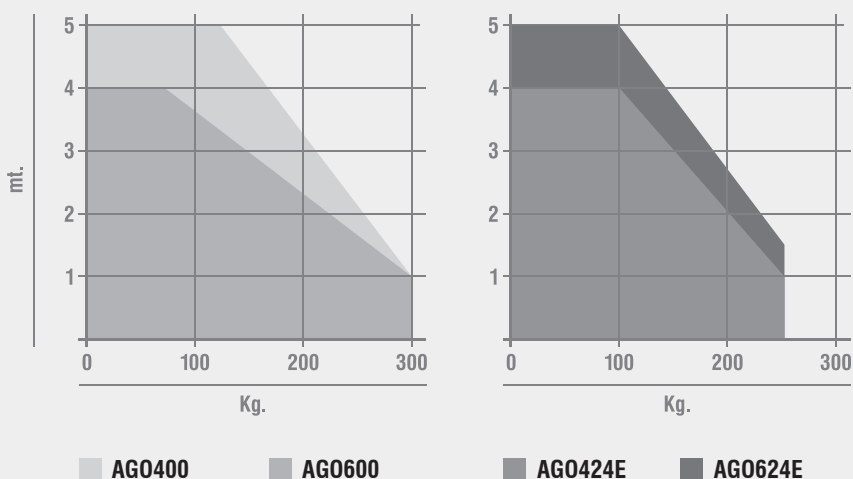
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## TECHNICAL FEATURES

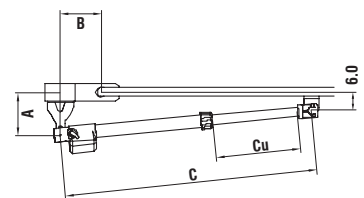
	AGO400	AGO600	AGO424E	AGO624E
Type of use	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL/HEAVY DUTY	RESIDENTIAL/HEAVY DUTY
Frequency of use	30%	30%	90%	90%
Motor power supply	230Vac - 50/60Hz	230Vac - 50/60Hz	24 Vdc	24 Vdc
Absorbed power	1,5 A	1,5 A	0,5 - 5,5 A	0,5 - 5,5 A
Protection degree	IP43	IP43	IP43	IP43
Rod speed	18mm/s	18mm/s	18mm/s	18mm/s
Max rod stroke	400 mm	600 mm	400 mm	600 mm
Max thrust force	1.600 N	1.600 N	1.500 N	1.500 N
Adjustable force	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
Adjustable speed	YES	YES	YES	YES
Max leaf width	4 m*	5 m*	4 m*	5 m*
Operating temperature	-25°C +60°C	-25°C +60°C	-25°C +60°C	-25°C +60°C
Encoder/limit switch	NO	NO	ENCODER	ENCODER
Type of lubrication	GREASE GBD WH-01	GREASE GBD WH-01	GREASE GBD WH-01	GREASE GBD WH-01
Weight of the unit	5,5 Kg	6 Kg	5,5 Kg	6 Kg

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

### APPLICATION DIAGRAM



### INSTALLATION MEASURES





	OPENING 95°			
	A	B	C	Cu
AGO400	145	145	1122	478
AGO600	280	280	1532	678

	OPENING 120°			
	A	B	C	Cu
AGO400	170	110	1122	478
AGO600	310	120	1532	678



					Code
<b>1A</b>	<b>AGO400SX</b>	AGO400 - left hand operator	1	40	16000/SX
<b>1A</b>	<b>AGO400DX</b>	AGO400 - right hand operator	1	40	16000/DX
	<b>AGO600SX</b>	AGO600 - left hand operator	1	21	17000/SX
	<b>AGO600DX</b>	AGO600 - right hand operator	1	21	17000/DX
<b>1B</b>	<b>AGO424ESX</b>	AGO424E - left hand operator	1	40	16024/SX
<b>1B</b>	<b>AGO424EDX</b>	AGO424E - right hand operator	1	40	16024/DX
	<b>AGO624ESX</b>	AGO624E - left hand operator	1	21	17024/SX
	<b>AGO624EDX</b>	AGO624E - right hand operator	1	21	17024/DX

ACCESSORIES



**AJ01483**  
Battery back kit  
for BE24 board



**AJ00632**  
24V electric-lock  
(see page 140 for the  
counter plate model)



**AJ70164**  
Counterbushing for  
horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock



CONTROL UNITS



**AS06320**  
For 1 or 2 motors (F4)  
See page 118



**AS06250**  
For 1 or 2 motors (BE24)  
See page 119

			Code
KIT AGO400	1	20	K160/BFSLT
KIT AGO424E	1	20	K164/BFSLT

INCLUDED IN THE KIT:



**1** AGO 400-424  
AGO Operators



**2A** AS06320  
For 1 or 2 motors  
(F4)



**2B** AS06250  
For 1 or 2 motors  
(BE24)



**3A** AU02910  
2 channels plug-in  
receiver board  
for control units



**3B** Radio receiver board



**4** 70750  
Complete flashing lamp  
device DSL70750  
12-24-115-230V



**5** AU03100  
MAKO remote control  
433Mhz



**6** AU01940  
Wall mounted key selector  
model DCS100

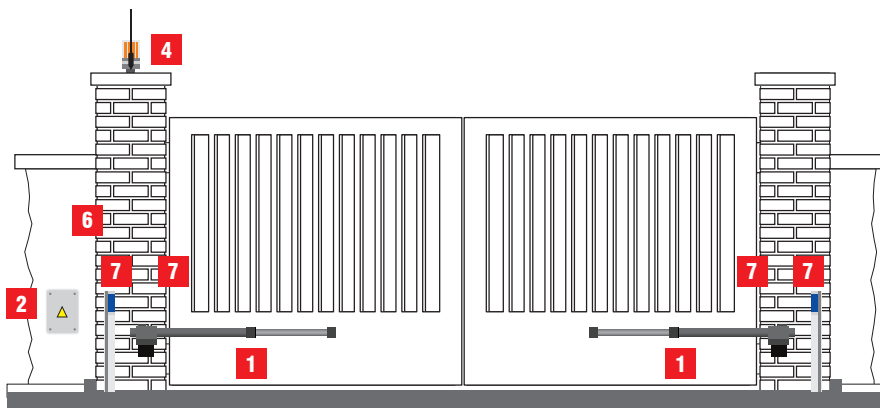


**7** AU02250  
Pair of DCF180  
wall mounted photocells



**8** AJ75800  
Gate warning plate

INSTALLATION LAY-OUT







Electromechanical operator in 230 Vac or 24 Vdc with encoder, for swinging gates of medium and big size, for heavy use.

### EASY TO INSTALL

Operator and encoder pre-cabled, adjustable brackets included and door retainers integrated.

### SILENT AND FAST

Made with gears in steel and bronze-aluminium, that allow managing a high and adjustable speed of movement.

### TECHNOLOGICAL AND SAFE

Latest generation encoder, strong motor, suitable also for heavy uses. Gears and dragging screw completely protected.

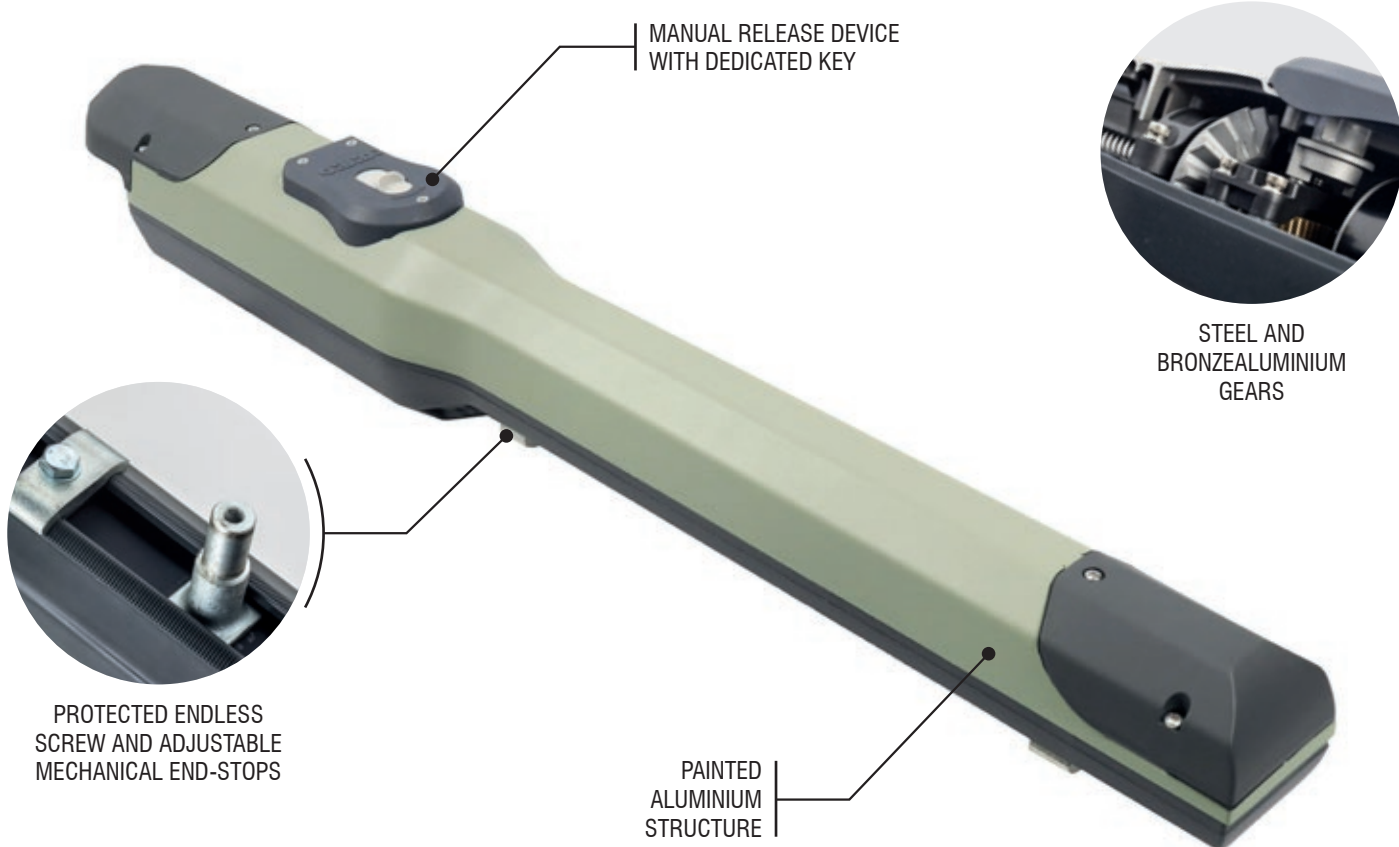
GIBIDI control units, with the embedded anti-crushing sensitivity feature, allow reaching the highest level of safety, as established by EN 12453 standard.

### DESIGN

Made with a double aluminium die-cast shell and powder painted, soft and modern lines to fit every kind of gate.

### POWER CUT/BATTERY BACK-UP

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply.



PROTECTED ENDLESS SCREW AND ADJUSTABLE MECHANICAL END-STOPS

PAINTED ALUMINIUM STRUCTURE

STEEL AND BRONZEALUMINIUM GEARS



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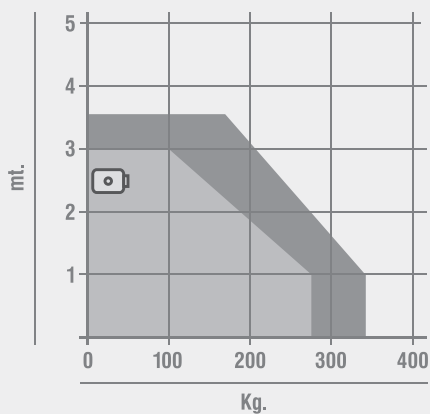
## TECHNICAL FEATURES

	SERRA321	SERRA 330
Type of use	HEAVY DUTY	RESIDENTIAL
Frequency of use	90%	30%
Motor power supply	24Vdc	230Vac
Absorbed power	100W	250 W
Protection degree	IP44	IP44
Rod speed	20mm/s	18mm/s
Max rod stroke	320 mm	320 mm
Max thrust force	1500 N	1200 N
Adjustable force	ELECTRONIC	ELECTRONIC
Adjustable speed	YES**	NO**
Max leaf width	3,5 m*	3,5 m*
Operating temperature	-25°C + 60°C	-25°C + 60°C
Encoder/limit switch	ENCODER	NO
Type of lubrication	GREASE GBD WH-01	GREASE GBD WH-01
Weight of the unit	8,2 Kg	8,2 Kg

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

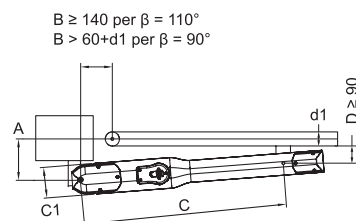
\*\* By the use of the BE24 control board

### APPLICATION DIAGRAM



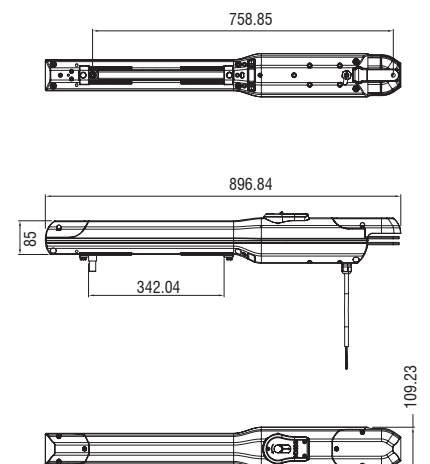
■ Suggested application    ■ Max application  
 ☐ Electric-lock

### INSTALLATION MEASURES





	B	A	B	C	D	C1
SERRA320 90°	140	125	725	100	109x151	
SERRA320 90°	150	150	731	100	109x151	
SERRA320 100°	140	140	730	90	109x151	
SERRA320 110°	120	140	730	90	109x151	

### DIMENSIONS





						Code
<b>1A</b>	<b>SERRA321</b>	24V with encoder and adjustable mechanical end stops	<b>EN</b>	1	50	15841
<b>1B</b>	<b>SERRA330</b>	230V with adjustable mechanical end stops		1	50	15843

ACCESSORIES

CONTROL UNITS



**AJ00513**  
metal counter plate  
for standard brackets



**AJ01570**  
set of adjustable brackets  
for weldless applications



**AJ01483**  
Battery back kit  
for BE24 board



**AJ00632**  
24V electric-lock  
(see page 140 for the  
counter plate model)



**AS06250**  
For 1 or 2 motors (BE24)  
See page 119



**AJ70164**  
Counterbushing for  
horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock



**AS06320 (F4)**  
See page 118

**SERRA300**

**KIT**

												Code	
KIT SERRA321	1A x2	2A x1	3 x1	4 x1	5 x2	6 x1	7 x1	8 x1		EN	1	15	K321/BFSLT
KIT SERRA330	1B x2	2B x1	3 x1	4 x1	5 x2	6 x1	7 x1	8 x1		EN	1	15	K322/BFSLT

**INCLUDED IN THE KIT:**



**1 SERRA**  
SERRA Operators



**2A AS06250**  
For 1 or 2 motors  
(BE24)



**2B AS06320**  
For 1 or 2 motors  
(F4)



**3** Radio receiver board



**4 70750**  
Complete flashing lamp  
device DSL70750  
12-24-115-230V



**5 AU03100**  
MAKO remote control  
433Mhz



**6 AU01940**  
Wall mounted key selector  
model DCS100

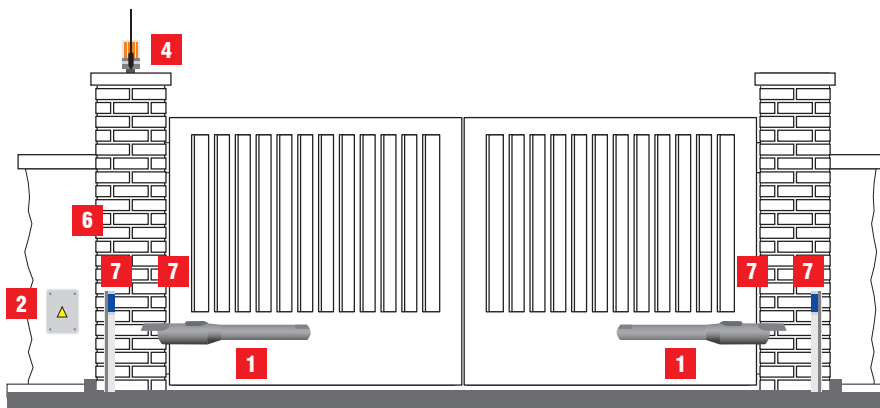


**7 AU02250**  
Pair of DCF180  
wall mounted photocells



**8 AJ75800**  
Gate warning plate

**INSTALLATION LAY-OUT**







Electromechanical operator in 24 Vdc with encoder, for swing gates of small size and weight, for residential use.

### EASY TO INSTALL

Thanks to the adjustable brackets, it is not necessary to weld. The control unit offers the complete self-learning function.

### SILENT AND FAST

Made with gears in steel, bronze-aluminium and special polymers. This combination allows managing a high and adjustable speed of movement.

### TECHNOLOGICAL AND SAFE

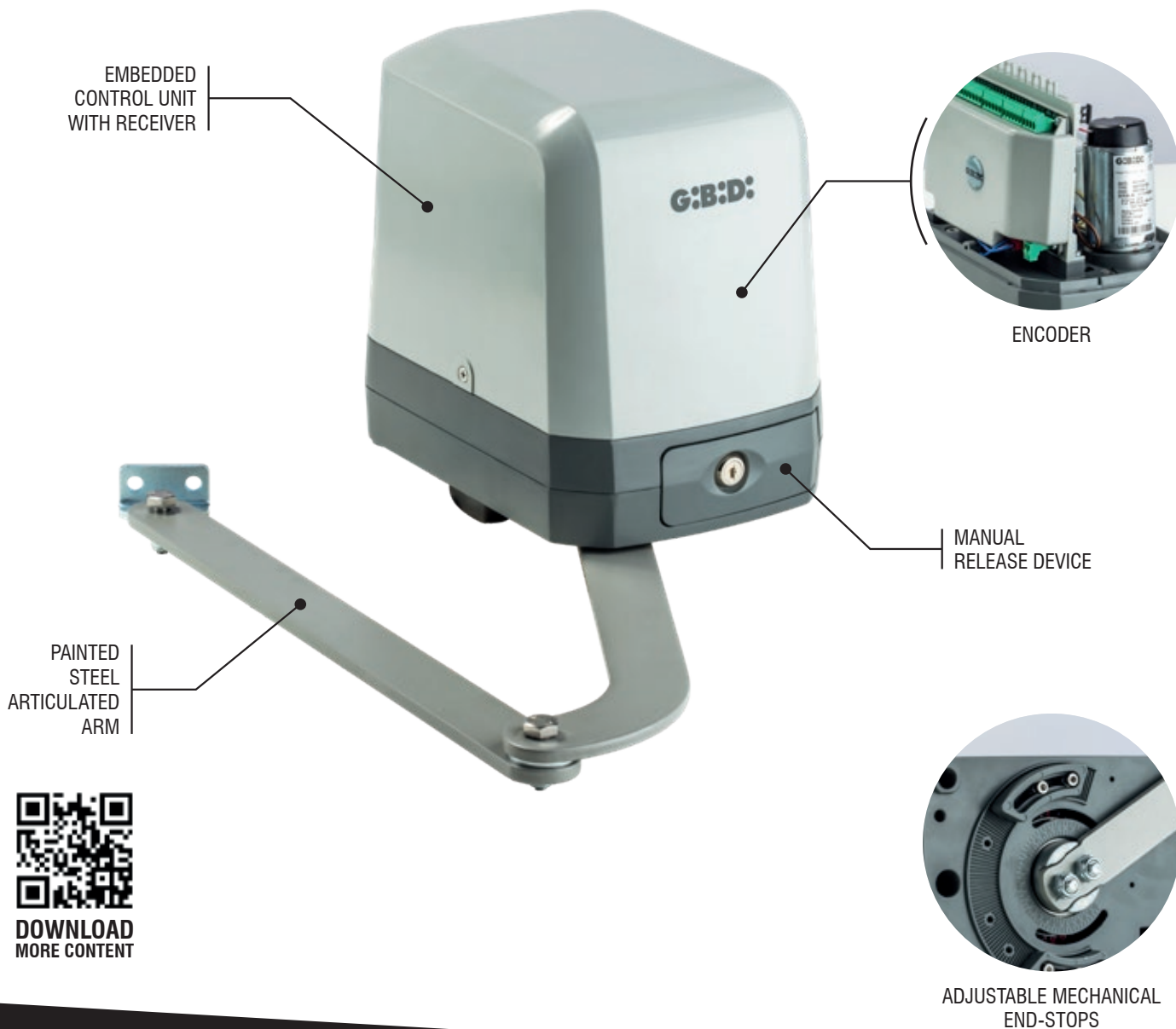
Built-in innovative encoder technology. Thanks to the GIBIDI control unit provided with all the inputs for safety devices, included the encoder sensor for the adjustment of the integrated anti-crushing sensitivity it is possible to meet the highest safety level, as provided in EN 12453 standards.

### DESIGN

The most compact of its category with a tapered and simple design, suitable for every kind of gate.

### POWER CUT/BATTERY BACK-UP

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply.



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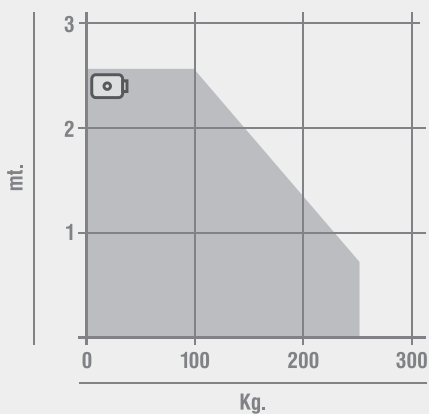
TECHNICAL FEATURES

	<b>SNAPPER</b>
Type of use	<b>RESIDENTIAL</b>
Frequency of use	<b>INTENSIVE</b>
Motor power supply	<b>24Vdc</b>
Absorbed power	<b>100W</b>
Protection degree	<b>IP44</b>
Shaft rotation speed	<b>10°/s</b>
Max torque	<b>200 Nm</b>
Adjustable force	<b>ELECTRONIC</b>
Adjustable speed	<b>ELECTRONIC**</b>
Max leaf width	<b>2,5 m*</b>
Operating temperature	<b>-20°C + 60°C</b>
Encoder/limit switch	<b>ENCODER</b>
Type of lubrication	<b>GREASE GBD WH-01</b>
Weight of the unit	<b>6 Kg</b>

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

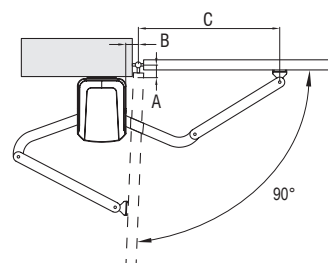
\*\* By the use of the BE24 control board

APPLICATION DIAGRAM



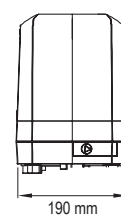
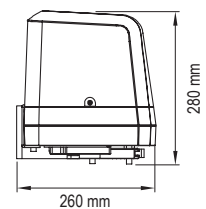
Electric lock Suggested application

INSTALLATION MEASURES



C ↘	B		
	50	100	150
50	625	575	545
100	615	565	540
150	600	550	/
200	585	535	/
250	565	515	/
300	540	/	/

DIMENSIONS





				Code
<b>1A</b>	<b>SNAPPER-1</b> With embedded BE24* control unit	1	40	SNAPPER-1
<b>1B</b>	<b>SNAPPER-0</b> Operator only	1	40	SNAPPER-0

! Articulated arm not included  
\* With embedded radio receiver board

ACCESSORIES

CONTROL UNITS



**AJ30910**  
Articulated arm  
380 x 430 mm



**AJ01600**  
Battery back kit  
for SNAPPER



**AJ00632**  
24V electric-lock  
(see page 140 for the  
counter plate model)



**AS06250**  
For 1 or 2 motors (BE24)  
See page 119



**AJ70164**  
Counterbushing for  
horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock

KIT SNAPPER												Code											
<b>1A</b>	x1	<b>1B</b>	x1	<b>2</b>	x1	<b>3</b>	x2	<b>4</b>	x1	<b>5</b>	x1	<b>6</b>	x2	<b>7</b>	x1	<b>8</b>	x1	<b>9</b>	x1		1	24	K454/BFSLT

**INCLUDED IN THE KIT:**



**1 SNAPPER**  
SNAPPER Operators



**2 AS06250**  
For 1 or 2 motors  
(BE24)



**3 AJ30910**  
Articulated arm  
380 x 430 mm



**4** Radio receiver board



**5 70750**  
Complete flashing lamp  
device DSL70750  
12-24-115-230V



**6 AU03100**  
MAKO remote control  
433Mhz



**7 AU01940**  
Wall mounted key selector  
model DCS100

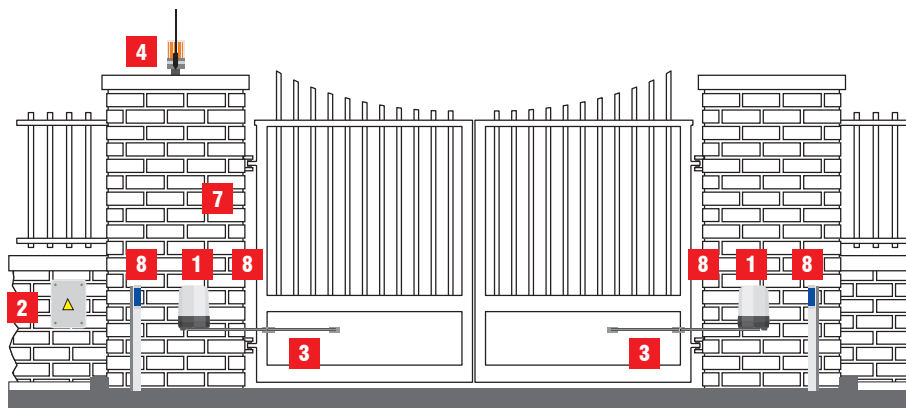


**8 AU02250**  
Pair of DCF180  
wall mounted photocells



**9 AJ75800**  
Gate warning plate

**INSTALLATION LAY-OUT**





Electromechanical operators in 230Vac and 24Vdc with articulated arm, for swinging gates of medium size and weight, for residential and heavy use.

**EASY TO INSTALL**

Thanks to the special fixing plate, you can fix it fast without welding it, integrated and pre-wired limit switches.

**SILENT AND FAST**

Extremely silent, because of the materials chosen and tidy finishing of the gears. In 24Vdc version it is possible to adjust the opening speed.

**TECHNOLOGICAL AND SAFE**

ART gearbox is completely built with steel and bronze-aluminium, robust and reliable over time. You can use the special wall selector with remotely controlled motor unlocking.

**A COMPLETE AND RELIABLE RANGE**

Thanks to its special accessories, you can install ART even in presence of big pillars and obtain door openings up to 130°.



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STEEL AND  
BRONZE GEARS



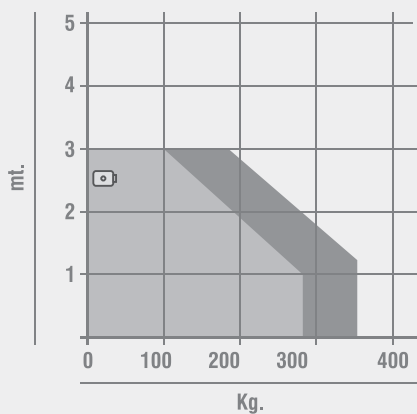
## TECHNICAL FEATURES

	ART5000	ART5024
Type of use	RESIDENTIAL	HEAVY DUTY
Frequency of use	30%	40%
Motor power supply	230Vac - 50/60Hz	24Vdc
Absorbed power	200W	100W
Protection degree	IP53	IP53
Shaft rotation speed	7,8°/s	5,6°/s
Max torque	250Nm	250 Nm
Adjustable force	ELECTRONIC	ELECTRONIC
Adjustable speed	ELECTRONIC**	ELECTRONIC**
Max leaf width	3 m*	3 m*
Operating temperature	-20°C + 60°C	-20°C + 60°C
Encoder/limit switch	LIMIT SWITCHES O/C	LIMIT SWITCHES O/C
Type of lubrication	GREASE GBD WH-01	GREASE GBD WH-01
Weight of the unit	11,1 Kg	11,1 Kg

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

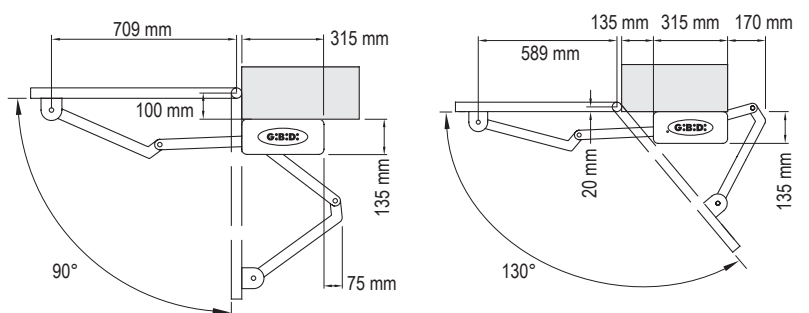
\*\* By the use of the BA230 for ART5000 and BA24 for ART5024 control board

### APPLICATION DIAGRAM



■ Suggested application    ■ Max application  
 ☐ Electric-lock

### INSTALLATION MEASURES AND DIMENSIONS





					Code
<b>1A</b>	<b>ART5000</b>	With open and close limit switches	1	30	30510
<b>1B</b>	<b>ART5024</b>	With open and close limit switches	1	30	30524

**EN**

**!** Articulated arm not included

ACCESSORIES



**AJ00311**  
remote release device unit with key switch function for ART



**AJ30900**  
Articulated arm  
425 x 460 mm



**AJ50139**  
Reinforced and longer steel articulated arm  
(600 x 540 mm)



**AJ01482**  
Battery back kit for BA24 control board



**AJ00632**  
12V electric-lock  
(see pag. 140 for the counter plate model)



**AJ00642**  
24V electric-lock  
(see pag. 140 for the counter plate model)

CONTROL UNITS



**For ART5000**  
**AS06320 (F4)**  
See page 118







**For ART5000**  
**AS05581 (BA 230)**  
See page 118



**For ART5000**  
**AS05060 (BA 100)**  
See page 118



**For ART5024**  
**AS06300 (BA 24)**  
See page 118

			Code
KIT ART5000	1A x2 2A x1 3 x2 4 x1 5 x1 6 x2 7 x1 8 x1 9 x1 	12	K351/BFSLT
KIT ART5024	1B x2 2B x1 3 x2 4 x1 5 x1 6 x2 7 x1 8 x1 9 x1  EN	12	K354/BFSLT

! On request the kits can be made with the BA230 control unit

INCLUDED IN THE KIT:



**1 ART**  
ART Operators



**2A AS06320**  
For 1 or 2 motors  
(F4)



**2C AS06300**  
For 1 or 2 motors  
(BA 24)



**3 AJ30900**  
Articulated arm  
425 x 460 mm



**4 AU02910**  
2 channels plug-in  
receiver board  
for control units



**5 70750**  
Complete flashing lamp  
device DSL70750  
12-24-115-230V



**6 AU03100**  
MAKO remote control  
433Mhz



**7 AU01940**  
Wall mounted key selector  
model DCS100

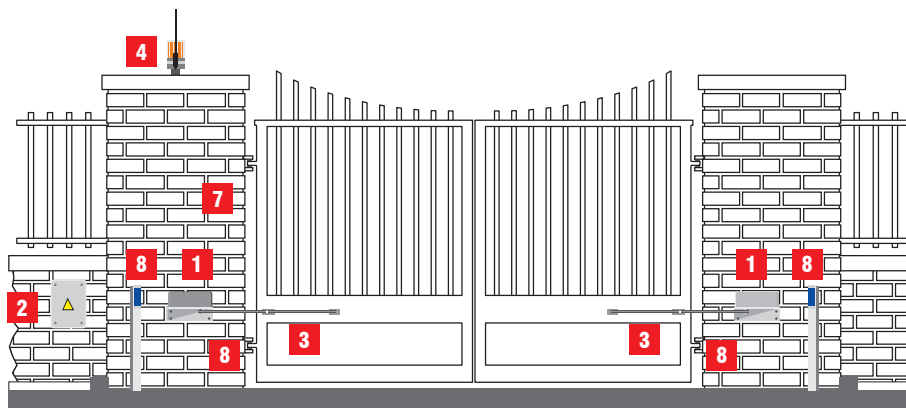


**8 AU02250**  
Pair of DCF180  
wall mounted photocells



**9 AJ75800**  
Gate warning plate

INSTALLATION LAY-OUT





230 Vac hydraulic operators, dedicated to heavy, medium and large size swing gates. Suitable for both residential and intensive use

### EASY TO INSTALL

TOP EVO is already preloaded and factory adjusted, ready for use, no purge valves, no oil to top up. Mounting brackets supplied.

### ROBUST

Rear flange made with die-cast aluminum and tie rods increased by 50% compared to previous models.

### QUIET AND FAST

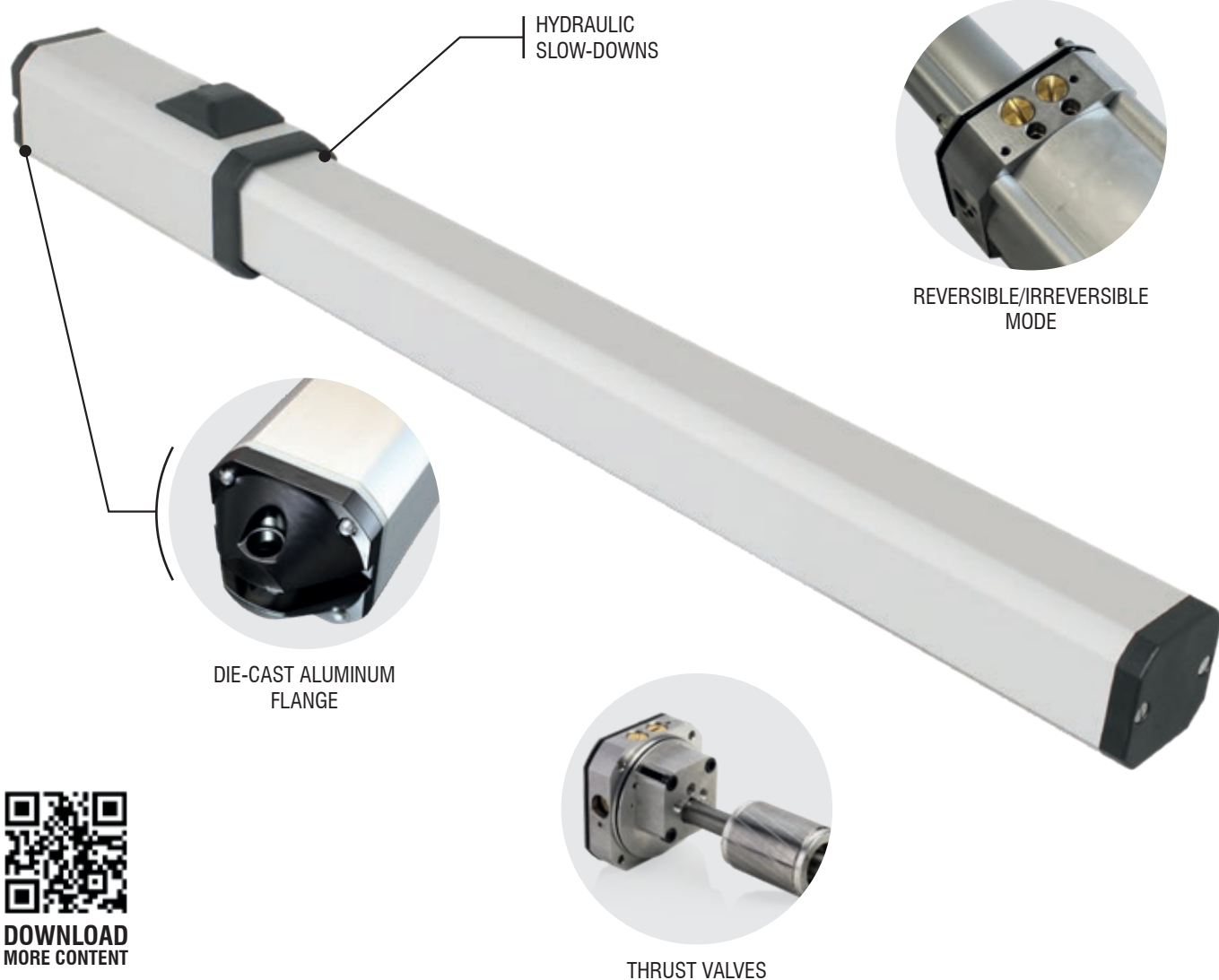
Extremely silent and fast. Hydraulic slowdowns integrated in the last 3cm of rod travel.

### TECHNOLOGICAL AND SAFE

TOP EVO is built with a unique technology; the vacuum loading process leaves no air residues inside, therefore no condensation and emulsion. The pump-distributor coupling is without any gasket. A unique system destined to remain unchanged over time. New die-cast aluminium back-end. Complete with torque settings valves and with the new embedded device to select the reversible, irreversible or mixed mode.

### A COMPLETE AND RELIABLE RANGE

From a small residential gate with 6-meter doors of a commercial or industrial type. Special motors for intensive use.



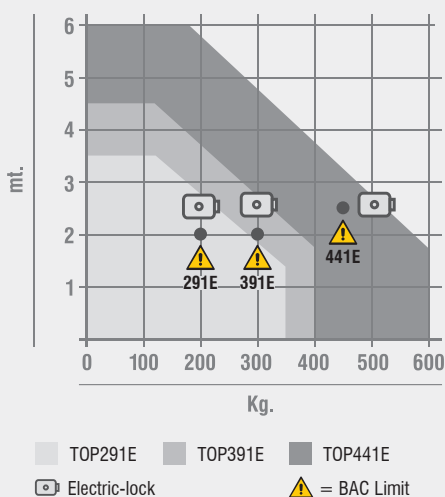
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## TECHNICAL FEATURES

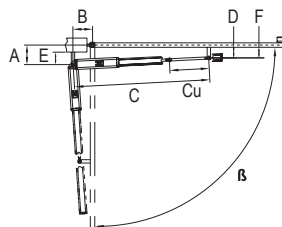
	TOP291E - ER - ER/S	TOP391E - ER - ER/S	TOP441E - ER - ER/S
Type of use	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>
Frequency of use	<b>55%</b>	<b>55%</b>	<b>55%</b>
Motor power supply	<b>230 Vac - 50/60 Hz</b>	<b>230 Vac - 50/60 Hz</b>	<b>230 Vac - 50/60 Hz</b>
Absorbed power	<b>170W</b>	<b>190W</b>	<b>190W</b>
Degree of protection	<b>IP65</b>	<b>IP65</b>	<b>IP65</b>
Rod speed	<b>10 mm/s</b> (20 mm/s for the version ER/S)	<b>10 mm/s</b> (20 mm/s for the version ER/S)	<b>10 mm/s</b> (20 mm/s for the version ER/S)
Max rod stroke	<b>265 mm</b> (290 mm for the version E)	<b>265 mm</b> (290 mm for the version E)	<b>425 mm</b> (440 mm for the version E)
Max thrust force	<b>3000 N</b> (2200 N for the version ER/S)	<b>4500 N</b> (3000 N for the version ER/S)	<b>4500 N</b> (3000 N for the version ER/S)
Force adjustment	<b>HYDRAULIC</b>	<b>HYDRAULIC</b>	<b>HYDRAULIC</b>
Speed adjustment	<b>ELECTRONIC</b>	<b>ELECTRONIC</b>	<b>ELECTRONIC</b>
Hydraulic slowdown	<b>YES</b> (NO for the version E)	<b>YES</b> (NO for the version E)	<b>YES</b> (NO for the version E)
Max leaf length	<b>3,5 m*</b>	<b>4,5 m*</b>	<b>6,0 m*</b>
Operating temperature	<b>-20°C + 60°C</b>	<b>-20°C + 60°C</b>	<b>-20°C + 60°C</b>
Rod diameter	<b>16 mm</b>	<b>20 mm</b>	<b>20 mm</b>
Type od lubrication	<b>OIL GBD PH-03</b>	<b>OIL GBD PH-03</b>	<b>OIL GBD PH-03</b>
Operator weight	<b>7,7 Kg</b>	<b>8,7 Kg</b>	<b>10 Kg</b>

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

### APPLICATION DIAGRAM



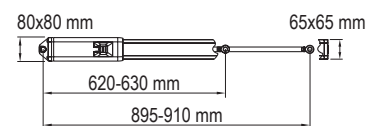
### INSTALLATION MEASURES



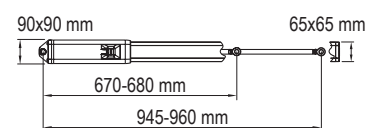
TOP	β	A	B	C	D	Cu	E	F
291E	90°	130	130	900	100	260		
291E	110°	110	120	900	95	265		
291ER-ER/S	90°	125	125	885	95	250		
291ER-ER/S	105°	110	110	885	95	245	>55	>80
391E	90°	130	130	950	100	260		
391E	110°	110	120	950	95	260		
391ER-ER/S	90°	125	125	940	100	250		
391ER-ER/S	105°	110	115	940	95	250		
441E	90°	205	205	1243	125	410		
441E	110°	175	175	1243	120	410		
441ER-ER/S	90°	200	200	1243	120	400	>65	>100
441ER-ER/S	110°	175	175	1243	120	400		

### DIMENSIONS

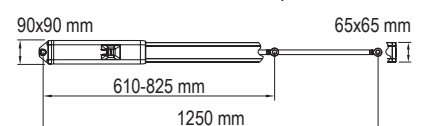
#### TOP291E - 291ER - 291ER/S



#### TOP391E - 391ER - 391ER/S



#### TOP441E - 441ER - 441ER/S







					Code
<b>1A</b>	TOP291 EVO	Leaf up to 3,5 m	1	32	29200E
<b>1B</b>	TOP291 EVO R	Leaf up to 3,5 m with hydraulic slowdowns	1	32	29200ER
<b>1C</b>	TOP291 EVO RS	Leaf up to 3,5 m with hydraulic slowdowns - fast version	1	32	29200ER/S
<b>1D</b>	TOP391 EVO	Leaf up to 4,5 m	1	32	39200E
<b>1E</b>	TOP391 EVO R	Leaf up to 4,5 m with hydraulic slowdowns	1	32	39200ER
<b>1F</b>	TOP391 EVO RS	Leaf up to 4,5 m with hydraulic slowdowns - fast version	1	32	39200ER/S
<b>1G</b>	TOP441 EVO	Leaf up to 6,0 m	1	32	44200E
<b>1H</b>	TOP441 EVO R	Leaf up to 6,0 m with hydraulic slowdowns	1	32	44200ER
<b>1I</b>	TOP441 EVO RS	Leaf up to 6,0 m with hydraulic slowdowns - fast version	1	32	44200ER/S

\* All operators are supplied in **BAC** mode (irreversible). The installer can modify this parameter.

ACCESSORIES

CONTROL UNITS



**AJ00490**  
optional release device with euro-profile lock with keys



**AJ00500**  
Metal counter plate for rear bracket of TOP391-441  
**AJ00510**  
Metal counter plate for rear bracket of TOP291



**AJ00520**  
metal counter plate for front bracket of TOP291-391-441



**AJ00632**  
12V electric-lock (see pag. 140 for the counter plate model)



Suggested control units:  
**AS06320** (F4)  
**AS05581** (BA 230)  
**AS05060** (BA 100)  
See page 118














**AJ70164**  
Counterbushing for horizontal mounting



**AJ70163**  
Ground plate for vertical mounting



**AJ00862**  
Left/right leaf lock

												Code
KIT TOP291 EVO	<b>1A</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K291E/BFSLT
KIT TOP291 EVO R	<b>1B</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K291ER/BFSLT
KIT TOP291 EVO RS	<b>1C</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K291ERS/BFSLT
KIT TOP391 EVO	<b>1D</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K391E/BFSLT
KIT TOP391 EVO R	<b>1E</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K391ER/BFSLT
KIT TOP391 EVO RS	<b>1F</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K391ERS/BFSLT
KIT TOP441 EVO	<b>1G</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K441E/BFSLT
KIT TOP441 EVO R	<b>1H</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K441ER/BFSLT
KIT TOP441 EVO RS	<b>1I</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K441ERS/BFSLT

**!** On request the kits can be made with the BA230 control unit

### INCLUDED IN THE KIT:



**1** TOP EVO  
TOP EVO Operators



**2** AS06320  
For 1 or 2 motors  
(F4)



**3** AU02910  
2 channels plug-in  
receiver board  
for control units



**4** 70750  
Complete flashing lamp  
device DSL70750  
12-24-115-230V



**5** AU03100  
MAKO remote control  
433Mhz



**6** AU01940  
Wall mounted key selector  
model DCS100

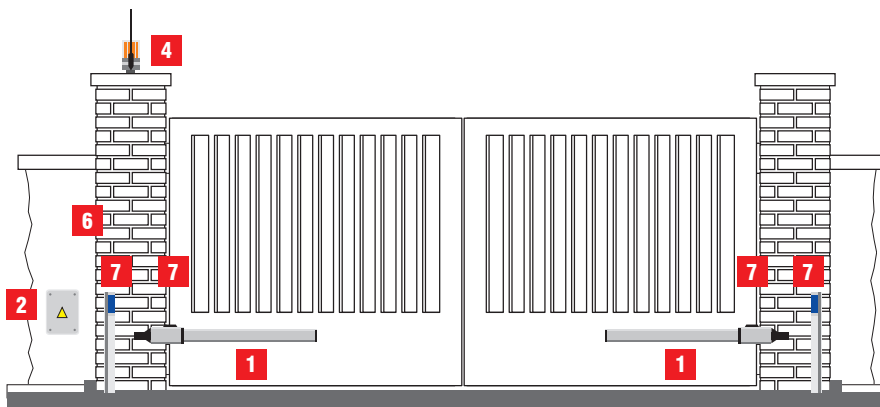


**7** AU02250  
Pair of DCF180  
wall mounted photocells



**8** AJ75800  
Gate warning plate

### INSTALLATION LAY-OUT





Underground hydraulic operators in 230Vac and 24Vdc for swinging gates of medium dimensions and weight, for residential and heavy use.

### EASY TO INSTALL

Thanks to the special foundation box. Ambidextrous motor. One-of-a-kind fixing system that allows recovering also the wrong fixing of the doors.

### SILENT AND FAST

Only 12 seconds to open the gate! Extremely silent thanks to the use of selected materials and careful finishes of the components used.

### TECHNOLOGICAL AND SAFE

FLOOR has the best hydraulic technology closed-circuit without air. Complete with speed and force regulator, and also with valves to select the reversible, irreversible or fixed modality. In 24Vdc version, it is possible to adjust the anti-crushing sensitivity to make the installation safer, as established by EN12453 standards

### A COMPLETE AND RELIABLE RANGE

FLOOR is much more robust in the new version with opening up to 150° and 180°. It satisfies all the esthetical needs of your gate and is reliable because of the use of high quality materials and the in-depth quality test.



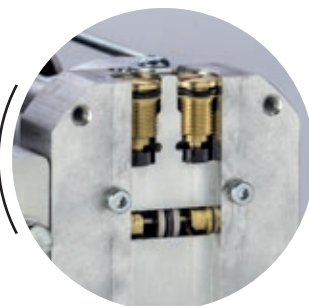
OPTIONAL  
LIMIT SWITCH KIT



OUTPUT SHAFT MADE  
OF TREATED STEEL WITH  
THRUST BEARING



SPEED ADJUSTMENT  
VALVES AND  
MANUAL RELEASE



THRUST FORCE AND BRAKE  
ADJUSTMENT SCREWS



DOWNLOAD  
MORE CONTENT

**TECHNICAL FEATURES**

	<b>FLOOR 230V 150°</b>	<b>FLOOR 230V 180°</b>	<b>FLOOR 24V 150°</b>	<b>FLOOR 24V 180°</b>
Type of use	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>
Frequency of use	<b>40%</b>	<b>40%</b>	<b>80%</b>	<b>80%</b>
Motor power supply	<b>230Vac - 50/60Hz</b>	<b>230Vac - 50/60Hz</b>	<b>24 Vdc</b>	<b>24Vdc</b>
Absorbed power	<b>190W</b>	<b>190W</b>	<b>120W</b>	<b>120W</b>
Protection degree	<b>IP67</b>	<b>IP67</b>	<b>IP67</b>	<b>IP67</b>
Shaft rotation speed	<b>6°/s.</b>	<b>7°/s.</b>	<b>6°/s.</b>	<b>7°/s.</b>
Max torque	<b>320 Nm</b>	<b>300 Nm</b>	<b>320 Nm</b>	<b>300 Nm</b>
Adjustable force	<b>HYDRAULIC</b>	<b>HYDRAULIC</b>	<b>ELECTRONIC</b>	<b>ELECTRONIC</b>
Adjustable speed	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>
Max leaf width	<b>3,0 m*</b>	<b>2,5 m*</b>	<b>3,0 m*</b>	<b>2,5 m*</b>
Max door opening angle	<b>150°</b>	<b>180°</b>	<b>150°</b>	<b>180°</b>
Operating temperature	<b>-20°C +60°C</b>	<b>-20°C +60°C</b>	<b>-20°C +60°C</b>	<b>-20°C +60°C</b>
Encoder/limit switch	<b>OPTIONAL LIMIT SWITCHES</b>	<b>OPTIONAL LIMIT SWITCHES</b>	<b>OPTIONAL LIMIT SWITCHES</b>	<b>OPTIONAL LIMIT SWITCHES</b>
Type of lubrication	<b>OIL GBD PH-03</b>	<b>OIL GBD PH-03</b>	<b>OIL GBD PH-03</b>	<b>OIL GBD PH-03</b>
Weight of the unit	<b>17 kg</b>	<b>16 Kg</b>	<b>17 kg</b>	<b>16 Kg</b>

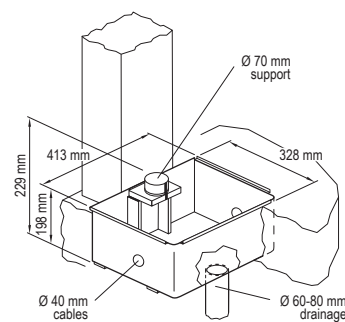
\* In case of blind leaf or wind presence or leaf over 2,0 m, the use of the electric lock is necessary

**APPLICATION DIAGRAM**

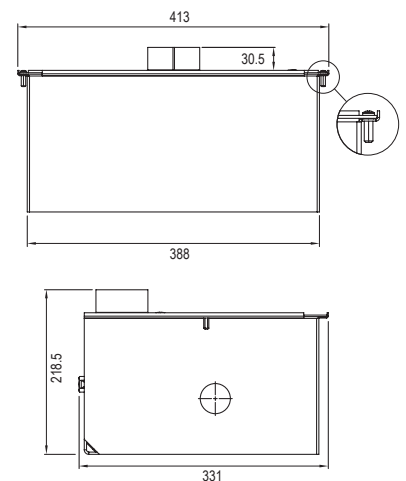


■ FLOOR 850-854    ■ FLOOR 880-884  
 ☐ Electric-lock    ⚠ = BAC Limit

**INSTALLATION MEASURES**



**DIMENSIONS**





				Code
<b>1A</b>	<b>FLOOR 850</b> 230 Vac* - max opening 150°	1	30	81500
<b>1B</b>	<b>FLOOR 854</b> 24 Vdc* - max opening 150°	1	30	81524
<b>1C</b>	<b>FLOOR 880</b> 230 Vac* - max opening 180°	1	30	81800
<b>1D</b>	<b>FLOOR 884</b> 24 Vdc* - max opening 180°	1	30	81824

\* All operators are supplied in **BAC** mode (irreversible). The installer can modify this parameter.

ACCESSORIES



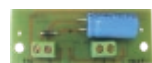
**AJ49000**  
Complete self-supporting and painted foundation box with lid



**A90929P**  
Optional AISI304 stainless steel lid



**AJ01400**  
Optional limit switch kit



**AU02730**  
Adapter to use AJ01400 limit switches kit with F4 and BA100 boards



**AJ01482**  
Battery back kit for BA24 control board



**AJ00632**  
12V electric-lock (see page 140 for the counter plate model)



**AJ00642**  
24V electric-lock (see page 140 for the counter plate model)

CONTROL UNITS



For FLOOR 850-880  
**AS06320** (F4)  
See page 118



For FLOOR 850-880  
**AS05581** (BA 230)  
See page 118



For FLOOR 850-880  
**AS05060** (BA 100)  
See page 118



For FLOOR 854-884  
**AS06300** (BA 24)  
See page 118



												Code
KIT FLOOR850	1A x2	2 x2		4A x1	5 x1	6 x1	7 x2	8 x1	9 x1	10 x1		K870/BFSLT
KIT FLOOR854	1B x2	2 x2	3 x2	4B x1	5 x1	6 x1	7 x2	8 x1	9 x1	10 x1		K875/BFSLT
KIT FLOOR880	1C x2	2 x2		4A x1	5 x1	6 x1	7 x2	8 x1	9 x1	10 x1		K880/BFSLT
KIT FLOOR884	1D x2	2 x2	3 x2	4B x1	5 x1	6 x1	7 x2	8 x1	9 x1	10 x1		K884/BFSLT

! The kit is supplied in multiple packages

INCLUDED IN THE KIT:



**1 FLOOR**  
FLOOR Operators



**2 AJ49000**  
Self-supporting painted foundation box.  
Lid included



**3 AJ01400**  
Limit switches kit



**4A AS06320**  
For 1 or 2 motors (F4)



**4B AS06300**  
For 1 or 2 motors (BA 24)



**5 AU02910**  
2 channels plug-in receiver board for control units



**6 70750**  
Complete flashing lamp device DSL70750  
12-24-115-230V



**7 AU03100**  
MAKO remote control 433Mhz



**8 AU01940**  
Wall mounted key selector model DCS100

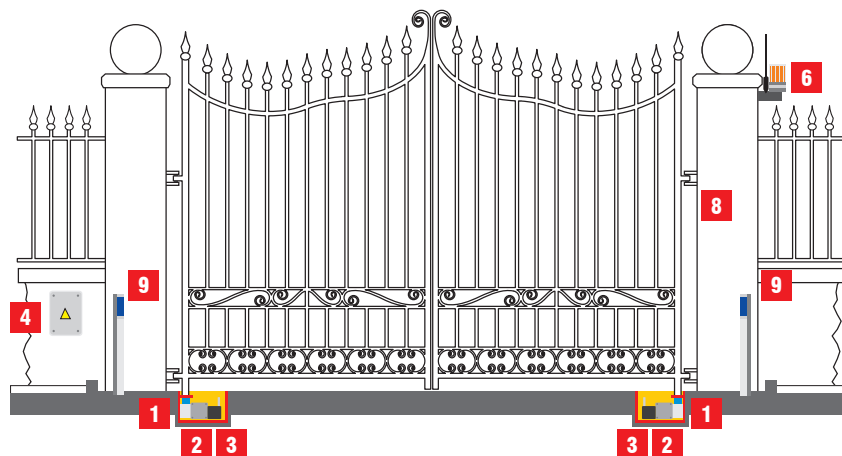


**9 AU02250**  
Pair of DCF180 wall mounted photocells



**10 AJ75800**  
Gate warning plate

INSTALLATION LAY-OUT





Underground electromechanical operators in 230Vac and 24Vdc with encoder, for swinging gates of medium dimensions and weight, for residential and intensive use.

**EASY TO INSTALL**

Thanks to the special self-supporting foundation box. Ambidextrous motor and pre-assembled accessories.

**SILENT AND FAST**

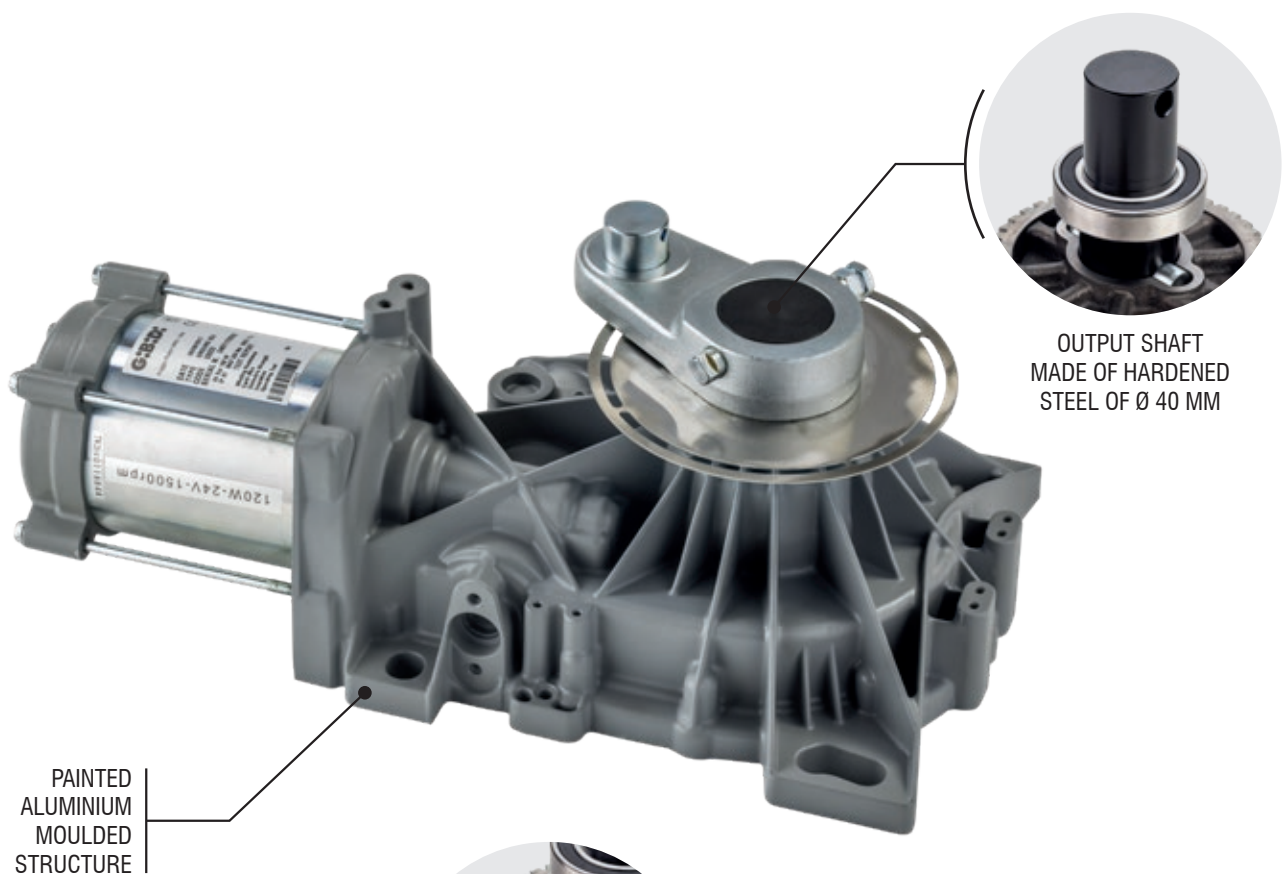
Only 12 s to open the gate! Extremely silent, because of the materials chosen and tidy finishing of the gears. In 24Vdc version it is possible to adjust the opening speed.

**TECHNOLOGICAL AND SAFE**

GROUND is completely built in steel and bronze-aluminium, is robust and reliable over the time. In 24Vdc version, it is possible to adjust the anti-crushing sensitivity to make the installation safer, as established by EN12453 standards. The unlocking key is with European profile.

**A COMPLETE AND RELIABLE RANGE**

GROUND satisfies all the esthetical needs of your gate and is reliable over the time, thanks to the reduction gear completely painted, that protects it from the atmospheric and environmental agents.



OUTPUT SHAFT  
MADE OF HARDENED  
STEEL OF Ø 40 MM

PAINTED  
ALUMINIUM  
MOULDED  
STRUCTURE



STEEL AND  
BRONZE GEARS



MANUAL RELEASE DEVICE  
WITH EURO-PROFILE  
LOCK WITH KEY



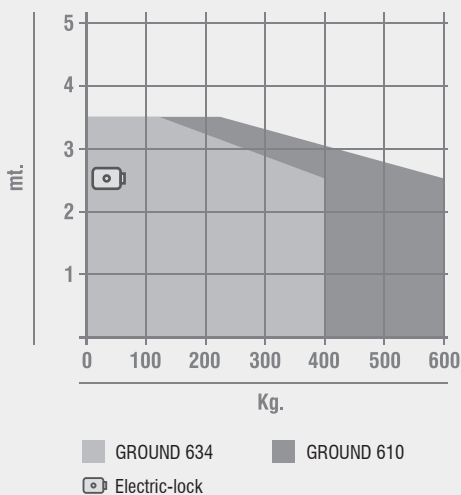
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MORE CONTENT

TECHNICAL FEATURES

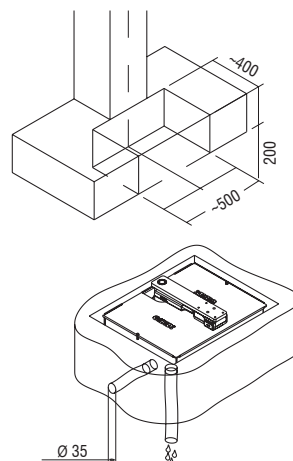
	GROUND610	GROUND634
Type of use	RESIDENTIAL	HEAVY DUTY
Frequency of use	30%	HEAVY DUTY
Motor power supply	230Vac - 50/60Hz	24Vdc
Absorbed power	400W	150W
Protection degree	IP67	IP67
Shaft rotation speed	7°/s	7°/s
Max torque	530Nm	320 Nm
Adjustable force	ELECTRONIC	ELECTRONIC
Adjustable speed	ELECTRONIC	ELECTRONIC
Max leaf width	3,5 m*	3,5 m*
Max door opening angle	110°	110°
Operating temperature	-20°C + 60°C	-20°C + 60°C
Encoder/limit switch	LS are optional	ENCODER
Type of lubrication	GREASE GBD WH-01	GREASE GBD WH-01
Weight of the unit	11,1 Kg	11,1 Kg

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

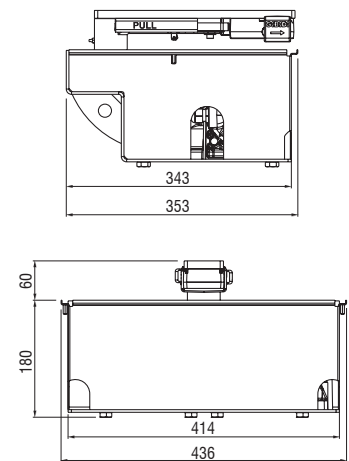
APPLICATION DIAGRAM



INSTALLATION MEASURES



DIMENSIONS





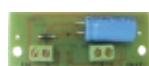
					Code
<b>1A</b>	<b>GROUND 610</b>	230V with adjustable mechanical end stops	1	24	20030
<b>1B</b>	<b>GROUND 634</b>	24V with encoder and adjustable mechanical end stops	1	24	20034E

ACCESSORIES

CONTROL UNITS



**AJ49300**  
Complete self-supporting and painted foundation box with lid and levers



**AU02730**  
Adapter to use AJ01400 limit switches kit with F4 and BA100 boards



**AJ00940**  
Optional limit switch kit



For GROUND 610  
**AS06320 (F4)**  
See page 118



For GROUND 610  
**AS05581 (BA 230)**  
See page 118



**AJ01483**  
Battery back-up kit for BE24G control unit



**AJ00632**  
Elettroserratura 12 Vdc  
Vedere pag. 140



For GROUND 610  
**AS05060 (BA 100)**  
See page 118



For GROUND 634  
**AS06270 (BE24G)**  
See page 119

												Code									
KIT GROUND 610	1A	x2	2	x2	3A	x1	4	x1	5	x1	6	x2	7	x1	8	x1	9	x1		K608/BFSLT	
KIT GROUND 634	1B	x2	2	x2	3B	x1	4	x1	5	x1	6	x2	7	x1	8	x1	9	x1		EN	K640/BFSLT

The kit is supplied in multiple packages

### INCLUDED IN THE KIT:



**1 GROUND**  
GROUND Operators



**2 AJ49300**  
Self-supporting painted foundation box



**3A AS06320**  
For 1 or 2 motors (F4)



**3B AS06270**  
For 1 or 2 motors (BE24G)



**4** Radio receiver board



**5 70750**  
Complete flashing lamp device DSL70750  
12-24-115-230V



**6 AU03100**  
MAKO remote control  
433Mhz



**7 AU01940**  
Wall mounted key selector  
model DCS100

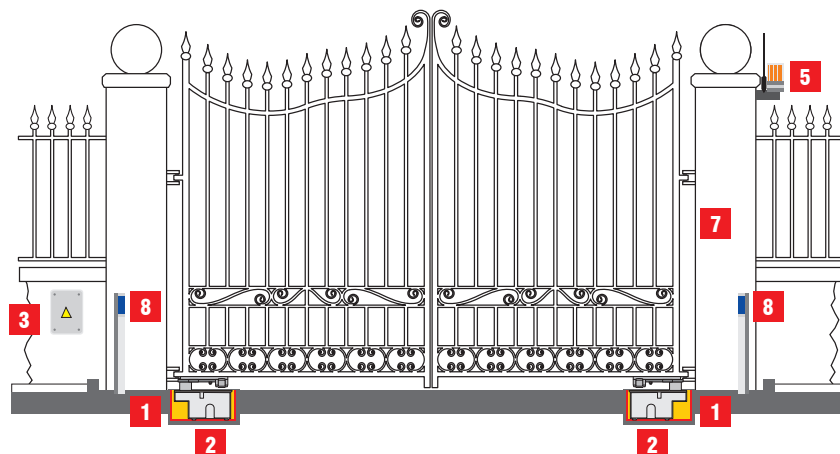


**8 AU02250**  
Pair of DCF180  
wall mounted photocells



**9 AJ75800**  
Gate warning plate

### INSTALLATION LAY-OUT







SECTIONAL DOORS

ELECTROMECHANICS

OVERHEAD DOORS

ELECTROMECHANICS

RESIDENTIAL USE — LINEAR — MAX DOOR 15 MQ — TAIMEN — PAGE 58

RESIDENTIAL USE — ARTICULATED — MAX DOOR 7 MQ — AUTOBOX — PAGE 62

RESIDENTIAL USE — LINEAR — MAX DOOR 15 MQ — TAIMEN — PAGE 58

HEAVY DUTY — ARTICULATED — MAX DOOR 7 MQ — AUTOBOX — PAGE 62



## GARAGE DOOR SYSTEMS.

58

### TAIMEN

24V

\*PRODUCT ALSO AVAILABLE AT 115 VAC

Automated drive unit in 24Vdc for overhead and sectional doors, of little and medium dimensions, for residential use.

#### EASY TO INSTALL

Thanks to the pre-assembled motor guide and the fixing system completely adjustable. Moreover the self-learning procedure makes easier the system programming.

#### SILENT AND FAST

Really silent thank to the translating motor and the use of high quality materials.

#### TECHNOLOGICAL AND SAFE

TAIMEN, with the new digital control unit, is really forefront. Moreover is provided with the adaptive anti-crushing system and it is possible to connect some safety devices, as established by EN12453 standards. The unlocking device is easy to use and allows closing the door, even in the absence of current, and locking it again.

#### A COMPLETE AND RELIABLE RANGE

TAIMEN can be provided with the optional battery kit for the emergency opening in case of power cut. Brackets and screws completely painted to keep unchanged the aesthetics of the system for a long time.

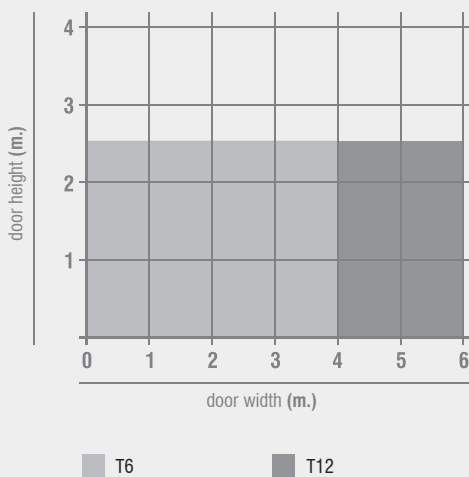


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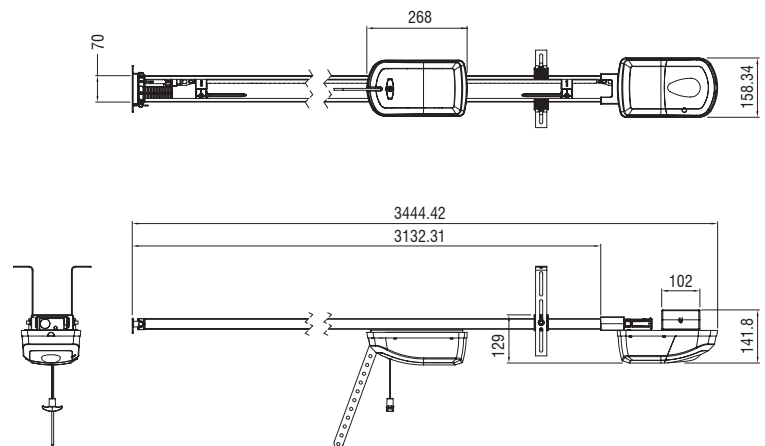
**TECHNICAL FEATURES**

	<b>TAIMEN T6</b>	<b>TAIMEN T12</b>
Type of use	<b>RESIDENTIAL</b>	<b>RESIDENTIAL</b>
Frequency of use	<b>30%</b>	<b>30%</b>
Motor power supply	<b>24 Vdc</b>	<b>24 Vdc</b>
Absorbed power	<b>80W</b>	<b>140W</b>
Protection degree	<b>IP20</b>	<b>IP20</b>
Max thrust force	<b>600 N</b>	<b>1.200 N</b>
Adjustable thrust	<b>ELECTRONIC</b>	<b>ELECTRONIC</b>
Max door surface	<b>10 sqm</b>	<b>15 sqm</b>
Max door height (standard rail)	<b>2,5 m</b>	<b>2,5 m</b>
Operating temperature	<b>-20°C +60°C</b>	<b>-20°C +60°C</b>
On board courtesy light	<b>YES with LED</b>	<b>YES with LED</b>
Door speed	<b>Adjustable max 125mm/sec</b>	<b>Adjustable max 125mm/sec</b>
Soft start/stop and anti-crushing	<b>YES</b>	<b>YES</b>

**APPLICATION DIAGRAM**



**DIMENSIONS**





## GARAGE DOOR SYSTEMS.

60

TAIMEN

24V \*PRODUCT ALSO AVAILABLE AT 115 VAC

				Code
<b>TAIMEN T6</b>	Kit including: N° 1 T6 electromechanical automation for overhead and sectional doors including electronic equipment with built-in receiver, 2 Rolling Code remote controls and accessories for fixing to the door. <b>Arm for counterweight overhead doors (AJ00303) not included</b>	1	30	K026/B
<b>TAIMEN T12</b>	Kit including: N° 1 T12 electromechanical automation for overhead and sectional doors including electronic equipment with built-in receiver, 2 Rolling Code remote controls and accessories for fixing to the door. <b>Arm for counterweight overhead doors (AJ00303) not included</b>	1	30	K036/B

### ACCESSORIES



**AJ01450**  
1 m extension rails for TAIMEN



**AJ00303**  
Adapter arm for overheads with counterweights doors



**AJ01455**  
Additional rail support brackets



**AS06070 (TAIMEN)**  
Spare control unit for Taimen



**AJ01460**  
External release device (door mounting)



**AJ01470**  
6 m extension cable with rail joint



**AJ01510**  
Battery back-up kit for TAIMEN

INSTALLATION LAY-OUT



**1 TAIMEN**  
TAIMEN Operator



**2 AJ00303**  
Counterweight doors arm



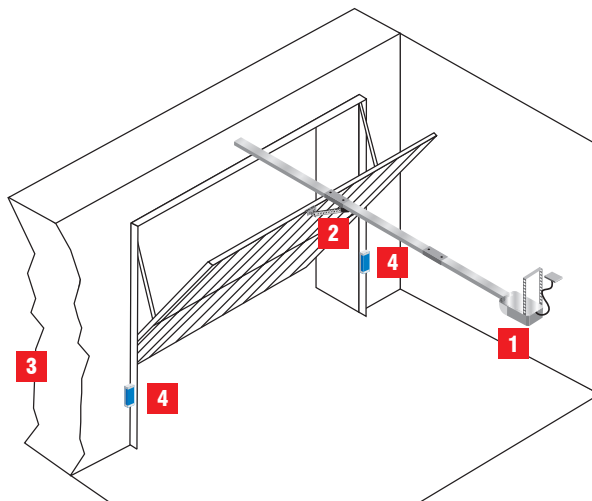
**3 AU01940**  
Wall mounted key selector model DCS100



**4 AU02250**  
Pair of DCF180 wall mounted photocells



**5 AU03100**  
MAKO remote control 433Mhz







## GARAGE DOOR SYSTEMS.

62 AUTOBOX

230-24V \*PRODUCT ALSO AVAILABLE AT 115 VAC

Electromechanical operator in 230Vac and 24Vdc for counterweight overhead doors of little and medium dimensions, for residential and condominium use.

### EASY TO INSTALL

Thanks to the assembling kit on the door, complete with all the accessories. The motor and limit switches integrated are pre-assembled.

### SILENT AND FAST

AUTOBOX is built with gears completely in treated steel and bronze-aluminium, assembled and tested in all its functions. In 24Vdc version, speed is adjustable with soft stop function.

### TECHNOLOGICAL AND SAFE

Only high-quality materials, special treatments for the gears and motors tested to last for a long time. Courtesy light and anti-crushing system integrated (24Vdc version). Moreover it is possible to connect the safety devices, as established by EN12453 standards.

### A COMPLETE AND RELIABLE RANGE

The different typologies of installation kit allow finding a solution for every kind of door.

COURTESY LIGHT



RELEASE DEVICE

OPEN/CLOSE LIMIT SWITCHES WITH DOUBLE READING



STEEL AND BRONZE GEARS



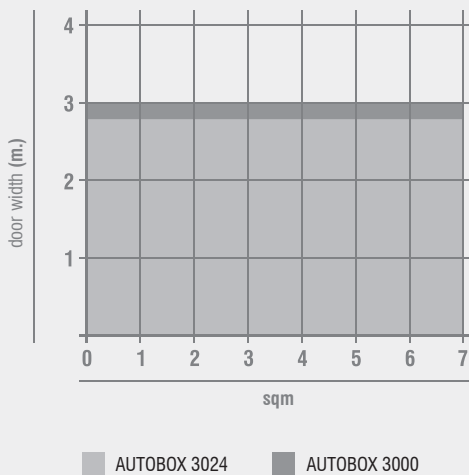
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**TECHNICAL FEATURES**

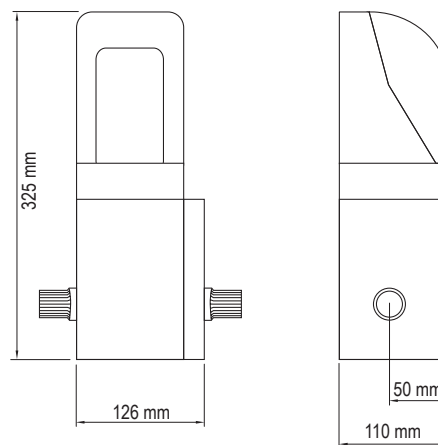
	<b>AUTOBOX 3000</b>	<b>AUTOBOX 3024</b>
Type of use	<b>RESIDENTIAL</b>	<b>HEAVY DUTY</b>
Frequency of use	<b>30%</b>	<b>40%</b>
Motor power supply	<b>230Vac - 50/60Hz</b>	<b>24 Vdc</b>
Absorbed power	<b>200W</b>	<b>100W</b>
Protection degree	<b>IP40</b>	<b>IP40</b>
Max torque	<b>250 Nm</b>	<b>250 Nm</b>
Shaft rotation speed	<b>7,8°/s</b>	<b>5,6°/s</b>
Max door surface	<b>7 sqm</b>	<b>7 sqm</b>
Operating temperature	<b>-20°C +60°C</b>	<b>-20°C +60°C</b>
On board courtesy light	<b>YES</b>	<b>YES</b>
Encoder/limit switch	<b>Limit switches O/C</b>	<b>Limit switches O/C</b>
Weight of the unit	<b>8,6 KG</b>	<b>8,6 KG</b>

**APPLICATION DIAGRAM**

Single motor application



**DIMENSIONS**





# GARAGE DOOR SYSTEMS.

64

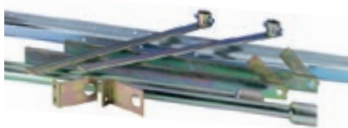
## AUTOBOX

230-24V

\*PRODUCT ALSO AVAILABLE AT 115 VAC

					Code
<b>AUTOBOX 3000</b>	2 limit switches in opening and closing		1	30	50300
<b>AUTOBOX 3024</b>	2 limit switches in opening and closing	<b>EN</b>	1	30	503004

### ACCESSORIES



**AJ00370 / AJ00380**  
Kit for the installation of 1/2 motors with straight arms. 2 m longitudinal member



**AJ00391 / AJ00401**  
Kit for the installation of 1/2 motors with curved arms. 2 m longitudinal member



**AJ00861**  
External release device (door mounting)



**AJ01482**  
Battery back kit for BSC24 board

### CONTROL UNITS



**For AUTOBOX 3000**  
**AS05060** (BA 100)  
See page 118



**For AUTOBOX 3024**  
**AS05030** (BSC 24)  
See page 119

INSTALLATION LAY-OUT



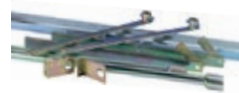
**1 AUTOBOX**  
AUTOBOX Operator



**2A AS05060**  
For AUTOBOX 3000  
(BA 100)



**2B AS05030**  
For AUTOBOX 3024  
(BSC 24)



**3 AJ00370**  
Installation kit



**4 70750**  
Complete flashing lamp  
device DSL70750  
12-24-115-230V



**5 AU02910**  
2 channels plug-in  
receiver board  
for control units



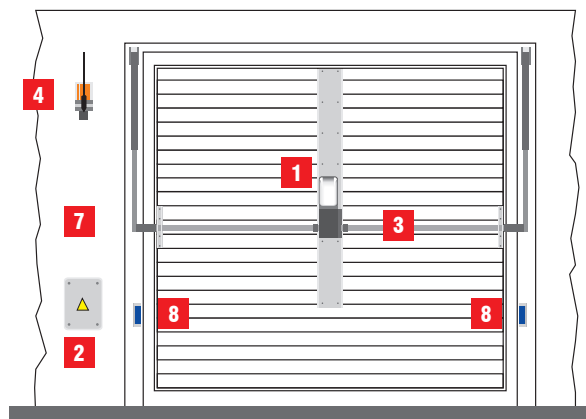
**6 AU03100**  
MAKO remote control  
433Mhz



**7 AU01940**  
Wall mounted key selector  
model DCS100



**8 AU02250**  
Pair of DCF180  
wall mounted photocells





## ROLLING SHUTTER SYSTEMS.

66

ELECTROMECHANICS

**RESIDENTIAL USE**

**MAX LIFTING  
POWER 170 KG**

**MPS160**

**PAGE  
68**

**MAX LIFTING  
POWER 180 KG**

**MPS240**

**PAGE  
68**

**MAX LIFTING  
POWER 280 KG**

**MPS160BM**

**PAGE  
68**

**MAX LIFTING  
POWER 360 KG**

**MPS240BM**

**PAGE  
68**





## ROLLING SHUTTER SYSTEMS.

68

MPS

230V \*PRODUCT ALSO AVAILABLE AT 115 VAC

Central gearmotors for rolling shutters, for residential and commercial use.

### EASY TO INSTALL

Thanks to the adaptors and cable included.

### SILENT AND FAST

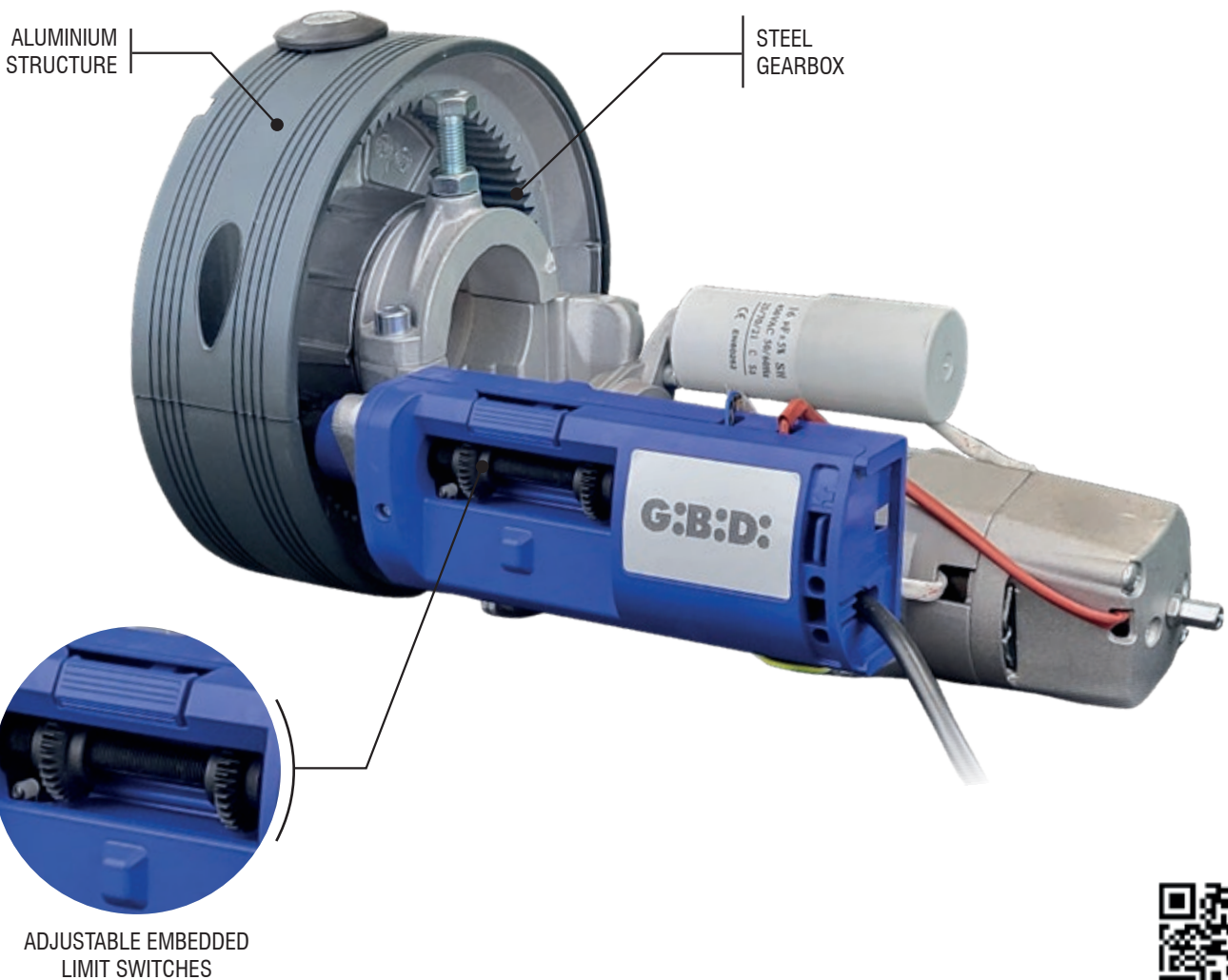
Exclusively made with high quality materials.

### TECHNOLOGICAL AND SAFE

Limit switch adjusting system constrained to the reduction gear for an accurate and lasting adjustment. Protected electrical connections.

### A COMPLETE AND RELIABLE RANGE

With or without electro-brake, single or bi-motor, a complete range for every kind of need.



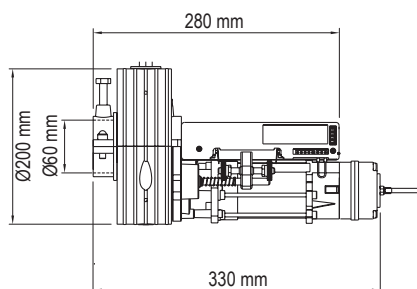
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**TECHNICAL FEATURES**

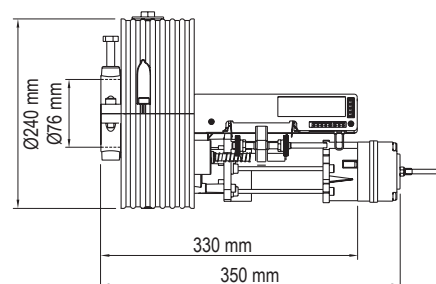
	<b>MPS 160 - 160E</b>	<b>MPS 160 BM - 160E BM</b>	<b>MPS 240 - 240E</b>	<b>MPS 240BM - 240E BM</b>
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	630 W	1260 W	630 W	1260 W
Absorbed current	2,7 A	5,4 A	2,7 A	5,4 A
Max torque	170 Nm	280 Nm	210 Nm (200 Nm for the version E)	420 Nm (400 Nm for the version E)
Rpm	10	10	8	8
Limit switch range	6	5/6	5/6	5/6
Electro-brake	NO (YES for the version E)	NO (YES for the version E)	NO (YES for the version E)	YES
Pole diameter	200/220 mm	200/220 mm	240 mm	240 mm
Crown	60 mm	60 mm	76 mm	76 mm
Lifting power	170 Kg	280 Kg	180 Kg	360 Kg
Thermal cut out	4 min	4 min	4 min	4 min
Operator weight	7 Kg (8 Kg for the version E)	13 Kg (14 Kg for the version E)	9 Kg (10 Kg for the version E)	16 Kg (17 Kg for the version E)

**DIMENSIONS**

**MPS 160**



**MPS 240**





# ROLLING SHUTTER SYSTEMS.

70

MPS

230V

\*PRODUCT ALSO AVAILABLE AT 115 VAC

				Code
<b>MPS160</b>	*230 Vac gearmotor for 170 kg shutters, with limit switch, crown Ø 200/220 mm, tube Ø 60 mm	1	40	<b>MPS160NE1</b>
<b>1 MPS160E</b>	*230 Vac gearmotor for 170 kg shutters, with limit switch and electric brake, crown Ø 200/220 mm, tube Ø 60 mm	1	40	<b>MPS160ENE1</b>
<b>MPS160BM</b>	*230 Vac gearmotor for 280 kg shutters, with limit switch, crown Ø 200/220 mm, tube Ø 60 mm (dual engine)t	1	40	<b>MPS160BM</b>
<b>MPS160BME</b>	*230 Vac gearmotor for 280 kg shutters, with limit switch and electric brake, crown Ø 200/220 mm, tube Ø 60 mm (dual engine)	1	40	<b>MPS160BME</b>
<b>MPS24076</b>	230 Vac gearmotor for 180 kg shutters, with limit switch, crown Ø 240 mm, tube Ø 76 mm	1	22	<b>MPS24076</b>
<b>MPS24076E</b>	230 Vac gearmotor for 180 kg shutters, with limit switch and electric brake, crown Ø 240 mm, tube Ø 76 mm	1	22	<b>MPS24076E</b>
<b>MPS240BM76</b>	230 Vac gearmotor for 180 kg shutters, with limit switch, crown Ø 240 mm, tube Ø 76 mm (dual engine)	1	22	<b>MPS240BM76</b>
<b>MPS240BM76E</b>	230 Vac gearmotor for 180 kg shutters, with limit switch and electric brake, crown Ø 240 mm, tube Ø 76 mm (dual engine)	1	22	<b>MPS240BM76E</b>

\* Box includes: no. 1 crown adapter Ø 220 mm, no. 1 pole adapter Ø 48 mm and 4 m electrical cable

## ACCESSORIES



**KEF05**  
Electric brake kit with release for manual operation for MPS160 - MPS240



**SBC05**  
Wall-mounted aluminum key selector with electrobrake release



**SBC04/2013**  
Armored wall container with electrobrake release and personalized key selector



**SBC01/2013**  
Armored burglar resistant key switch for inwall mounting with push button and electrobrake release device.

## CONTROL UNITS



**AS07200** (SR302 - 433 MHz)  
Control unit with on-board radio receiver  
See page 120



**AS07300** (SR302 - 868 MHz)  
Control unit with on-board radio receiver  
See page 120

				Code
KIT MPS160E - 433	<b>1</b> x1	<b>2A</b> x1	<b>3A</b> x1	KMPS302/B
KIT MPS160E - 868	<b>1</b> x1	<b>2B</b> x1	<b>3B</b> x1	KMPS303/B

INCLUDED IN THE KIT:



**1** MPS  
MPS160E Operator



**2A** AS07200  
Control unit with  
on-board radio receiver  
(SR302 - 433 MHz)



**2B** AS07300  
Control unit with  
on-board radio receiver  
(SR302 - 868 MHz)

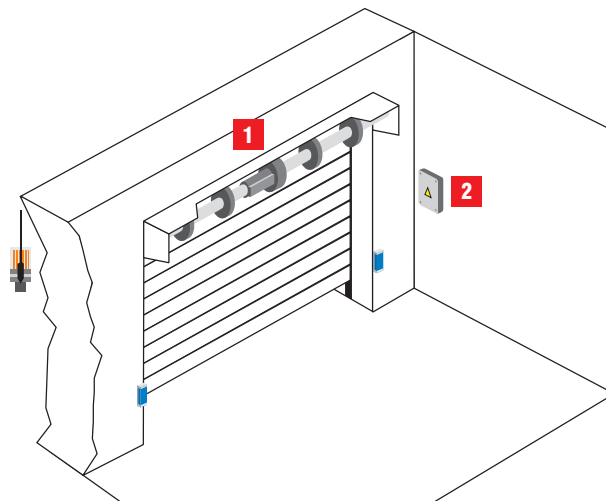


**3A** AU03100  
MAKO remote control  
433Mhz



**3B** AU03200  
MAKO remote control  
868Mhz

INSTALLATION LAY-OUT







SYSTEMS FOR SUN AWNINGS  
AND SHUTTERS.

72



RESIDENTIAL USE

**MECHANICS AND RADIO-MECHANICS**

**M-RM**

**PAGE  
74**

**RADIO-ELECTRONICS AND WIRELESS**

**RE-REB**

**PAGE  
80**





## SYSTEMS FOR SUN AWNINGS AND SHUTTERS.

74

### RUNNER M - RM

230V \*PRODUCT ALSO AVAILABLE  
AT 115 VAC

The range of M and RM series motors is suitable for residential and commercial use.

Available in diameters 35-45-55 and with powers ranging from 6Nm to 120Nm.

RUNNER RM can satisfy every specific need to get curtains and shutters automated. The integrated radio receiver allows the operator programming and management by means of a remote control.

#### BASIC TECHNICAL DATA

- Easy installation and programming
- Mechanical limit switch with progressive adjustment
- Limit switch adjustment directly from the remote control (RM series)
- Internal receiver 433.92 MHz (RM series)
- 2 m long connection cable
- For axles Ø 40, 43, 50, 56, 60, 70 and 78mm
- Equipped with button output (RM series)
- Compatible with a wide range of GIBIDI automation (M series)
- Compatible with the entire range of FREE DOMUS radio remote controls and home automation (RM series)
- Version with emergency maneuver available

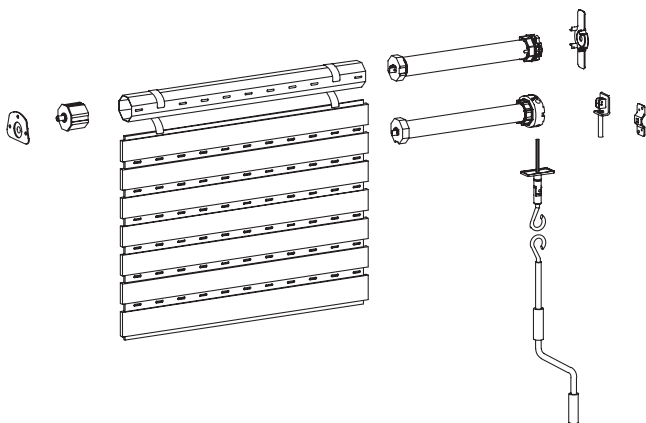


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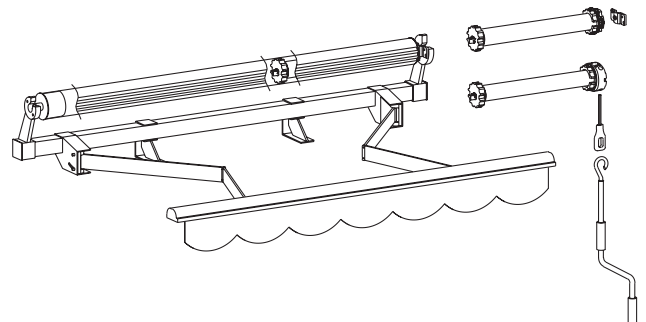
TECHNICAL FEATURES

RUNNER	Nominal torque	Nominal speed	Pipe diameter	Power supply	Absorbed power	Max n° of revolutions	IP protection degree	Radio receiver freq.
M35 6/28	6 Nm	28 Rpm	35 mm	230vac 50Hz	121 W	30	IP44	/
M35 10/17	10 Nm	17 Rpm	35 mm	230vac 50Hz	121 W	30	IP44	/
M45 10/26	10 Nm	26 Rpm	45 mm	230vac 50Hz	145 W	23	IP44	/
M45 20/17S	20 Nm	17 Rpm	45 mm	230vac 50Hz	145 W	23	IP44	/
M45 20/17	20 Nm	17 Rpm	45 mm	230vac 50Hz	145 W	23	IP44	/
M45 30/17	30 Nm	17 Rpm	45 mm	230vac 50Hz	191 W	23	IP44	/
M45 40/17	40 Nm	17 Rpm	45 mm	230vac 50Hz	191 W	23	IP44	/
M45 50/12	50 Nm	12 Rpm	45 mm	230vac 50Hz	205 W	23	IP44	/
M55 80/12	80 Nm	12 Rpm	55 mm	230vac 50Hz	385 W	22	IP44	/
M55 100/10	100 Nm	10 Rpm	55 mm	230vac 50Hz	420 W	22	IP44	/
M55 120/9	120 Nm	9 Rpm	55 mm	230vac 50Hz	420 W	22	IP44	/
SOS45 30/15	30 Nm	17 Rpm	45 mm	230vac 50Hz	191 W	22	IP44	/
SOS45 50/12	50 Nm	12 Rpm	45 mm	230vac 50Hz	205 W	22	IP44	/
SOS59 80/12	80 Nm	12 Rpm	59 mm	230vac 50Hz	385 W	22	IP44	/
SOS59 100/12	100 Nm	10 Rpm	59 mm	230vac 50Hz	420 W	22	IP44	/
SOS59 120/9	120 Nm	9 Rpm	59 mm	230vac 50Hz	420 W	22	IP44	/
RM45 20/17	20 Nm	17 Rpm	45 mm	230vac 50Hz	145 W	23	IP44	433,92 Mhz
RM45 30/17	30 Nm	17 Rpm	45 mm	230vac 50Hz	145 W	23	IP44	433,92 Mhz
RM45 50/12	50 Nm	12 Rpm	45 mm	230vac 50Hz	191 W	23	IP44	433,92 Mhz
RM55 120/9	120 Nm	9 Rpm	55 mm	230vac 50Hz	396 W	22	IP44	433,92 Mhz

PRACTICAL SHUTTERS LAY-OUT



PRACTICAL SUN AWNINGS LAY-OUT







## SYSTEMS FOR SUN AWNINGS AND SHUTTERS.

76

**RUNNER M - RM**

**230V** \*PRODUCT ALSO AVAILABLE  
AT 115 VAC

				Code
<b>M35 6/28</b>	Tubular motor Ø 35 mm - 6 Nm - fast operation	1	100	<b>EWSE35628</b>
<b>M35 10/17</b>	Tubular motor Ø 35 mm - 10 Nm	1	100	<b>EWSE351017</b>
<b>M45 10/26</b>	Tubular motor Ø 45 mm - 10 Nm - fast operation	1	100	<b>EWSE451026</b>
<b>M45 20/17</b>	Tubular motor Ø 45 mm - 20 Nm	1	100	<b>EWSE452017</b>
<b>M45 20/17S</b>	Tubular motor Ø 45 mm - 20 Nm - Short	1	100	<b>EWSE452017S</b>
<b>M45 30/17</b>	Tubular motor Ø 45 mm - 30 Nm	1	100	<b>EWSE453017</b>
<b>M45 50/12</b>	Tubular motor Ø 45 mm - 50 Nm	1	100	<b>EWSE455012</b>
<b>M59 80/12</b>	Tubular motor Ø 59 mm - 80 Nm	1	100	<b>EWSE598012</b>
<b>M59 100/10</b>	Tubular motor Ø 59 mm - 100 Nm	1	100	<b>EWSE5910010</b>
<b>M59 120/9</b>	Tubular motor Ø 59 mm - 120 Nm	1	100	<b>EWSE591209</b>
<b>SOS45 30/15</b>	Tubular motor Ø 45 mm - 30 Nm - with emergency manual override	1	100	<b>EWSE453015MS</b>
<b>SOS45 50/12</b>	Tubular motor Ø 45 mm - 50 Nm - with emergency manual override	1	100	<b>EWSE455012MS</b>
<b>SOS59 80/12</b>	Tubular motor Ø 59 mm - 80 Nm - with emergency manual override	1	100	<b>EWSE598012MS</b>
<b>SOS59 100/12</b>	Tubular motor Ø 59 mm - 100 Nm - with emergency manual override	1	100	<b>EWSE5910012MS</b>
<b>SOS59 120/9</b>	Tubular motor Ø 59 mm - 120 Nm - with emergency manual override	1	100	<b>EWSE591209MS</b>
<b>RM45 20/17 B</b>	Tubular motor with embedded radio receiver Ø 45 mm - 20 Nm - BIDIRECTIONAL	1	100	<b>EWSE452017RMB</b>
<b>RM45 30/17 B</b>	Tubular motor with embedded radio receiver Ø 45 mm - 30 Nm - BIDIRECTIONAL	1	100	<b>EWSE453017RMB</b>
<b>RM45 50/12 B</b>	Tubular motor with embedded radio receiver Ø 45 mm - 50 Nm - BIDIRECTIONAL	1	100	<b>EWSE455012RMB</b>
<b>RM55 80/12 B</b>	Tubular motor with embedded radio receiver Ø 55 mm - 80 Nm - BIDIRECTIONAL	1	100	<b>EWSE558012RMB</b>
<b>RM55 100/12 B</b>	Tubular motor with embedded radio receiver Ø 55 mm - 100 Nm - BIDIRECTIONAL	1	100	<b>EWSE5510012RMB</b>
<b>RM55 120/9 B</b>	Tubular motor with embedded radio receiver Ø 55 mm - 120 Nm - BIDIRECTIONAL	1	100	<b>EWSE551209RMB</b>

**!** Adapters and brackets included **!** All Ø 45 mm motors are packaged in boxes of 10 pcs

### ACCESSORIES



**EWSETX1BRICKB**  
Bidirectional remote control 1 ch 433 Mhz with magnetic wall support (BRICK1B)



**EWSETX16BRICKB**  
Bidirectional remote control 15 ch 433 Mhz with magnetic wall support (BRICK16B)



**EWSETX1WALLB/  
EWSETX15WALLB**  
Bidirectional remote control 1/15ch 433MHz with wall support (WALL1B/WALL15B). Only with EWSCE110-220BD (MARTIN-BD)



**EWSCE110-220BD**  
BIDIRECTIONAL MINI control unit for awnings and shutters with built-in radio receiver (MARTIN-BD)



**EWSCEVENTOBD**  
Sun and wind control unit with display and built-in two-way radio receiver (SAIL)

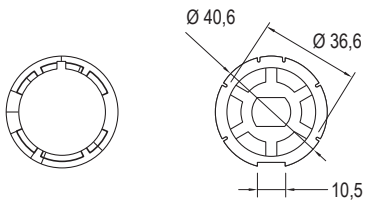


**WSEAN**  
Vibrations sensor

**CROWNS, PULLEY, BRACKETS**

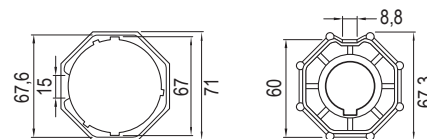


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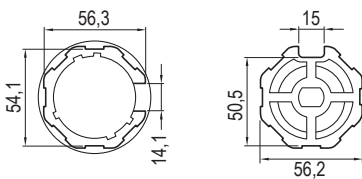
**MOTORS Ø 35**

- AJWSE0027\*** Pulley
- AJWSE0026\*** Crown
- AJWSE0061\*** Bracket



**MOTORS Ø 55**

- AJWSE0066** Octagonal pulley Ø 70 mm
- AJWSE0065** Octagonal crown Ø 70 mm
- AJWSE0071** Pole adapter Ø 59-55 mm
- AJWSE0068** Pulley with ogive Ø 78 mm (for sun awnings)
- AJWSE0067** Crown with ogive Ø 78 mm (for sun awnings)



**MOTORS Ø 45**

- AJWSE0041\*** Octagonal pulley Ø 60 mm
- AJWSE0040\*** Octagonal crown Ø 60 mm
- AJWSE0046** Pulley with ogive Ø 70mm (for sun awnings)
- AJWSE0047** Crown with ogive Ø 70mm (for sun awnings)
- AJWSE0056** Ogive Ø 78
- AJWSE0057** Pulley Ø 78
- AJWSE0042** Octagonal crown Ø 70
- AJWSE0043** Octagonal pulley Ø 70
- AJWSE0038** Bonfanti octagonal crown Ø 60
- AJWSE0039** Bonfanti octagonal pulley Ø 60
- AJWSE0044** Ogive crown Ø 70 off-center
- AJWSE0045** Ogive pulley Ø 70 off-center
- AJWSE0061\*** Wall bracket
- AJWSE0082** Vertical adjustable bracket
- AJWSE0072** Omega for motors Ø 45

**ALTRI ACCESSORI**

- AJWSE0081** Eyelet
- AJWSE0074** 90° joint
- AJWSE0090** Rod for manual operation
- AJWSE0071** Adapter for Ø 59/55

! Use the QR code to get all adapters

\* Supplied with the operator



## SYSTEMS FOR SUN AWNINGS AND SHUTTERS.

78

### RUNNER RE - RE-B

230V \*PRODUCT ALSO AVAILABLE  
AT 115 VAC

The RUNNER RE range of BIDIRECTIONAL electronics radio controlled motors is suitable for residential and commercial use.

Available in diameters 35-45-55 and with powers ranging from 6Nm to 120Nm.

RUNNER RE can satisfy any specific need to get curtains and shutters automated. The integrated radio receiver allows the programming and management of the operator by the mean of a remote control.

The RUNNER RE-B range of motors is ideal for indoor roller blinds, both in residential and commercial settings.

Available in 25-28-35mm diameter and with powers ranging from 1.1Nm to 3Nm, RUNNER RE-B can satisfy every specific need.

The RUNNER RE-B motor is equipped with an internal battery and therefore no need for power supply. A solar panel or a power supply unit can power it.

#### BASIC TECHNICAL DATA

- Easy installation and programming
- Limit switch adjustment directly from the remote control
- Internal receiver 433.92 Mhz
- 3 intermediate limit switches (RE), there are 5 for RE-B
- Connection cable 2 m long
- For axles Ø 40, 43, 50, 56, 60, 70 and 78mm (shaft Ø 43 for RE-B)
- Equipped with button output
- Compatible with the entire range of FREE DOMUS radio remote controls and home automation
- Compatible with the main home automation protocols and systems on the market
- Soft START and Soft STOP for RE-B
- About 1,600 maneuvers with one charge per RE-B.

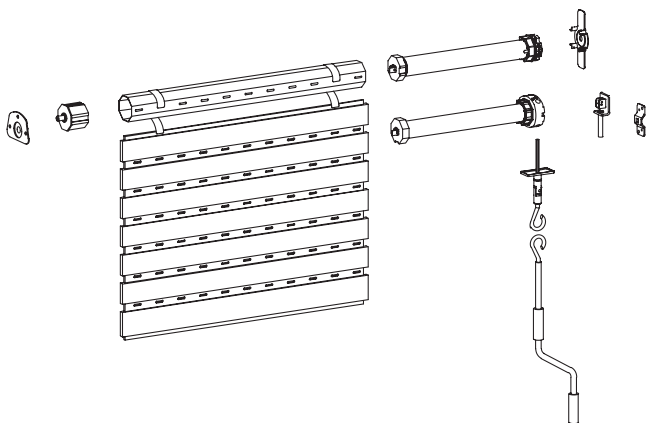


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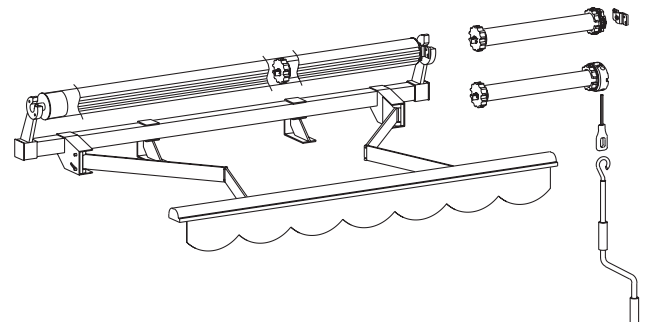
TECHNICAL FEATURES

RUNNER	Nominal torque	Nominal speed	Pipe diameter	Power supply	Absorbed power	Max n° of revolutions	IP protection degree	Radio receiver freq.
RE-B D25	1,1 Nm	40 Rpm	25 mm	12V	10 W	No limits	IP44	433,92 Mhz
RE-B D28	2 Nm	29 Rpm	28 mm	12V	13 W	No limits	IP44	433,92 Mhz
RE-B D35	3 Nm	28 Rpm	35 mm	12V	16 W	No limits	IP44	433,92 Mhz
RE-B D55	20 Nm	17 Rpm	45 mm	12V	20 W	No limits	IP44	433,92 Mhz
RE35 6/28	6 Nm	28 Rpm	35 mm	230vac 50Hz	121 W	32	IP44	433,92 Mhz
RE35 10/17	10 Nm	17 Rpm	35 mm	230vac 50Hz	121 W	32	IP44	433,92 Mhz
RE45 10/26	10 Nm	26 Rpm	45 mm	230vac 50Hz	145 W	No limits	IP44	433,92 Mhz
RE45 20/17	20 Nm	17 Rpm	45 mm	230vac 50Hz	145 W	No limits	IP44	433,92 Mhz
RE45 30/17	30 Nm	17 Rpm	45 mm	230vac 50Hz	191 W	No limits	IP44	433,92 Mhz
RE45 50/12	50 Nm	12 Rpm	45 mm	230vac 50Hz	205 W	No limits	IP44	433,92 Mhz
RE55 80/12	80 Nm	12 Rpm	55 mm	230vac 50Hz	385 W	22	IP44	433,92 Mhz
RE55 100/12	100 Nm	10 Rpm	55 mm	230vac 50Hz	420 W	22	IP44	433,92 Mhz
RE55 120/9	120 Nm	9 Rpm	55 mm	230vac 50Hz	385 W	22	IP44	433,92 Mhz

PRACTICAL SHUTTERS LAY-OUT



PRACTICAL SUN AWNINGS LAY-OUT







# SYSTEMS FOR SUN AWNINGS AND SHUTTERS.

80

**RUNNER RE - RE-B**

**230V** \*PRODUCT ALSO AVAILABLE  
AT 115 VAC

			Code
<b>REB D25</b>	Radio electronic battery operated tubular motor Ø 25 mm - 1,1 Nm	1	<b>EWSETND251</b>
<b>REB D28</b>	Radio electronic battery operated tubular motor Ø 28 mm - 2,2 Nm	1	<b>EWSETND282</b>
<b>REB D35</b>	Radio electronic battery operated tubular motor Ø 35 mm - 3,0 Nm	1	<b>EWSETND353</b>
<b>REB D45/20BD</b>	Radio electronic battery operated tubular motor Ø 45 mm - 20 Nm - BIDIRECTIONAL	1	<b>EWSETND4520BB</b>
<b>RE35 6/28</b>	Radio electronic tubular motor Ø 35 mm - 6 Nm - multiple limit switches	1	<b>EWSE35628E</b>
<b>RE35 10/14</b>	Radio electronic tubular motor Ø 35 mm - 10 Nm - multiple limit switches	1	<b>EWSE351014E</b>
<b>RE45 10/26BD</b>	Radio electronic tubular motor Ø 45 mm - 10 Nm - multiple limit switches - BIDIRECTIONAL	1	<b>EWSE451026EB</b>
<b>RE45 20/17BD</b>	Radio electronic tubular motor Ø 45 mm - 20 Nm - multiple limit switches - BIDIRECTIONAL	1	<b>EWSE452017EB</b>
<b>RE45 30/17BD</b>	Radio electronic tubular motor Ø 45 mm - 30 Nm - multiple limit switches - BIDIRECTIONAL	1	<b>EWSE453017EB</b>
<b>RE45 50/12BD</b>	Radio electronic tubular motor Ø 45 mm - 50 Nm - multiple limit switches - BIDIRECTIONAL	1	<b>EWSE455012EB</b>
<b>RE55 80/12</b>	Radio electronic tubular motor Ø 55 mm - 80 Nm - multiple limit switches	1	<b>EWSE558012E</b>
<b>RE55 100/12</b>	Radio electronic tubular motor Ø 55 mm - 100 Nm - multiple limit switches	1	<b>EWSE5510012E</b>
<b>RE55 120/9</b>	Radio electronic tubular motor Ø 55 mm - 120 Nm - multiple limit switches	1	<b>EWSE551209E</b>

 Adapters and brackets included

## ACCESSORIES



**EWSETX1BRICKB**  
Bidirectional remote control 1 ch 433 Mhz with magnetic wall support (BRICK1B)



**EWSETX16BRICKB**  
Bidirectional remote control 15 ch 433 Mhz with magnetic wall support (BRICK16B)



**EWSETX1WALLB/  
EWSETX15WALLB**  
Bidirectional remote control 1/15ch 433MHz with wall support (WALL1B/WALL15B). Only with EWSCE110-220BD (MARTIN-BD)



**EWSCE110-220BD**  
BIDIRECTIONAL MINI control unit for awnings and shutters with built-in radio receiver (MARTIN-BD)



**EWSCEVENTOBD**  
Sun and wind control unit with display and built-in two-way radio receiver (SAIL)



**AJWSE0098**  
Extension for battery charger from box for code EWSETND4520BB



**12565**  
Battery charger for EWSETND4520BB



**12563**  
Solar panel for EWSETND4520BB

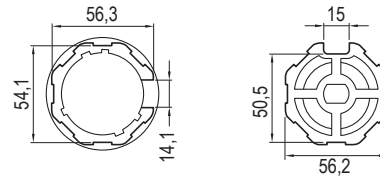
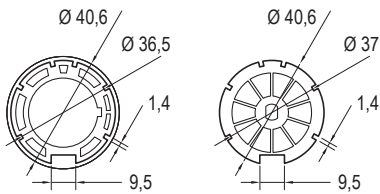


**12564**  
Battery charger for EWSETND251-282-353



**WSEAN**  
Vibrations sensor

**CROWNS, PULLEY, BRACKETS**

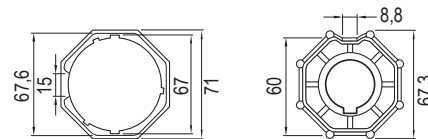
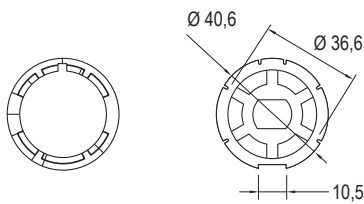


**MOTORS Ø 28**

- AJWSE0021\*** Pulley
- AJWSE0022\*** Crown
- AJWSE0061\*** Bracket

**MOTORS Ø 45**

- AJWSE0041** Octagonal pulley Ø 60 mm
- AJWSE0040** Octagonal crown Ø 60 mm
- AJWSE0046** Pulley with ogive Ø 70mm (for sun awnings)
- AJWSE0047** Crown with ogive Ø 70mm (for sun awnings)
- AJWSE0061** Wall bracket



**MOTORS Ø 35**

- AJWSE0027** Pulley
- AJWSE0026** Crown
- AJWSE0061** Bracket

**MOTORS Ø 55**

- AJWSE0066** Octagonal pulley Ø 70 mm
- AJWSE0065** Octagonal crown Ø 70 mm
- AJWSE0071** Pole adapter Ø 59-55 mm
- AJWSE0068** Pulley with ogive Ø 78 mm (for sun awnings)
- AJWSE0067** Crown with ogive Ø 78 mm (for sun awnings)

! Use the QR code to get all adapters

\* Awnings only

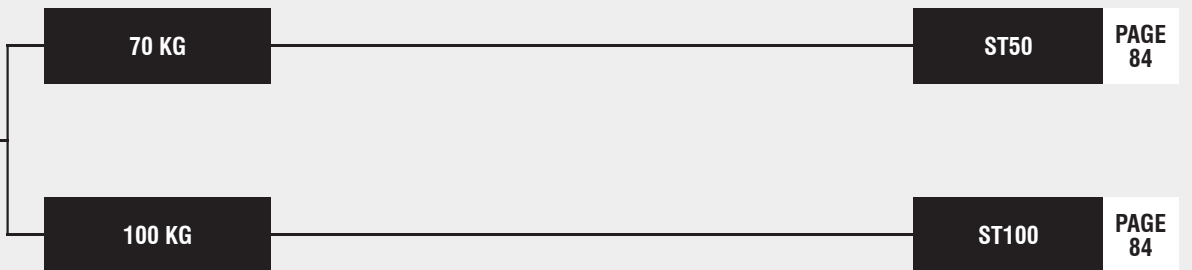
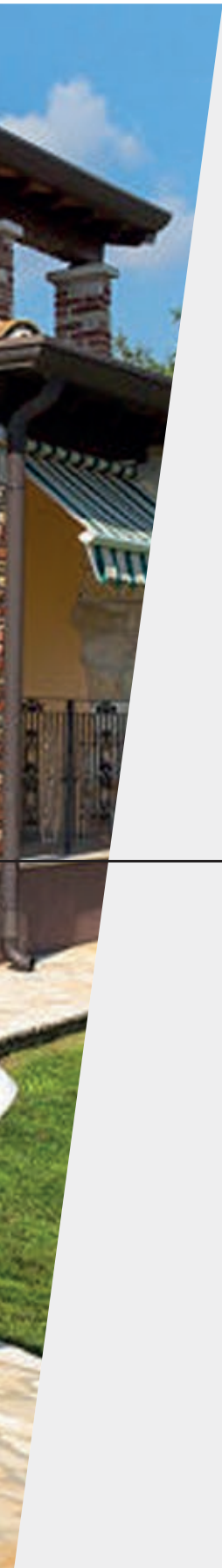


ARM AUTOMATION  
FOR SWINGING SHUTTER.

82



ELECTROMECHANICS







## ARM AUTOMATION FOR SWINGING SHUTTER.

84

ST50-100

230V

UP TO 100KG

### COMFORTABLE

No cold, rain or wind in winter or heat and mosquitoes in summer; the doors close by pressing a button inside the house without opening the windows.

### EASILY APPLIED

Section dimensions of just 77 mm make it easily applicable. If space is limited, it can be installed with just 80 mm of useful space!

### SAFE

Thanks to its standard irreversible locking system, which can be increased with the optional electric lock or the option to control external electric locks.

### PRACTICAL

The telescopic cover makes the automation adaptable even

for existing doors and windows. The telescopic arm and the Padovano arm are optional extras and enhance the field of applicability.

### INTEGRATED CONTROL UNIT

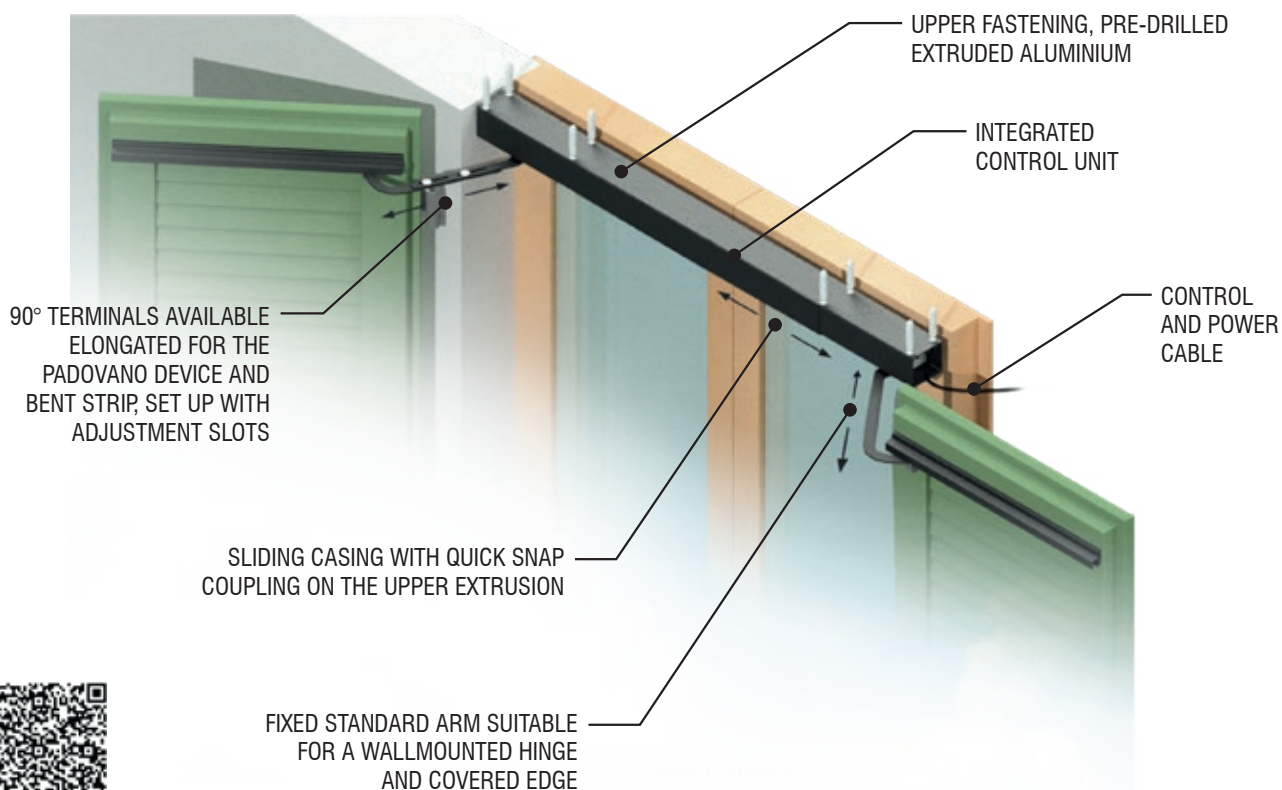
Movement control unit with sequence between the two doors perfectly interfaceable with all the domotic systems. It respects the safety requirements in case of impact, and the force and delay between the doors can be adjusted.

### CERTIFIED

Manufactured for professional use, CE-certified and conforming to free-standing European directives and standards, and to the low-energy directives.

### MADE IN ITALY

All components are entirely made in Italy.



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MORE CONTENT

**TECHNICAL FEATURES**

	<b>ST50.2A</b>	<b>ST50.1A.L/R</b>	<b>ST100.2A</b>	<b>ST100.1A.L/R</b>
Number of doors	<b>2</b>	<b>1 LH / 1 RH</b>	<b>2</b>	<b>1 LH / 1 RH</b>
Max surface	<b>3,6 sqm - 2 doors</b>	<b>1,8 sqm - 1 door</b>	<b>4,0 sqm - 2 doors</b>	<b>2,0 sqm - 1 door</b>
Max door weight	<b>70 kg (each)</b>	<b>70 kg</b>	<b>100 kg</b>	<b>100 kg</b>
Dimensions WxHxD	<b>77x67x800 / 1600 mm.</b>	<b>77x67x800 / 800 mm.</b>	<b>77x67x1600 / 2000 mm.</b>	<b>77x67x1600 / 2000 mm.</b>
Power supply	<b>110-230 Vac</b>	<b>110-230 Vac</b>	<b>110-230 Vac</b>	<b>110-230 Vac</b>
Maximum current absorption	<b>0,3 A</b>	<b>0,3 A</b>	<b>0,3 A</b>	<b>0,3 A</b>
Impact force	<b>&lt; 150 N</b>	<b>&lt; 150 N</b>	<b>&lt; 150 N</b>	<b>&lt; 150 N</b>
Max torque	<b>50 NM</b>	<b>50 NM</b>	<b>80 NM</b>	<b>80 NM</b>
Manoeuvre time 180°	<b>20 sec. - 2 doors</b>	<b>15 sec. - 1 door</b>	<b>20 sec. - 2 doors</b>	<b>15 sec. - 1 door</b>
Working cycle	<b>20 cycles/hour</b>	<b>20 cycles/hour</b>	<b>20 cycles/hour</b>	<b>20 cycles/hour</b>
Limit switch adjustment	<b>With thrust control</b>	<b>With thrust control</b>	<b>With thrust control</b>	<b>With thrust control</b>
Degree of protection	<b>IP32</b>	<b>IP32</b>	<b>IP32</b>	<b>IP32</b>
Casing colour	<b>Whyte RAL 9010 type</b>	<b>Black RAL 9005 type</b>	<b>Whyte RAL 9010 type</b>	<b>Black RAL 9005 type</b>
Irreversible arm	<b>STANDARD</b>	<b>STANDARD</b>	<b>STANDARD</b>	<b>STANDARD</b>
Articulation colour	<b>Black RAL 9005 type</b>	<b>Black RAL 9005 type</b>	<b>Black RAL 9005 type</b>	<b>Black RAL 9005 type</b>
Casing and articulation RAL colour	<b>Natural aluminium and galvanised arm</b>	<b>Natural aluminium and galvanised arm</b>	<b>Natural aluminium and galvanised arm</b>	<b>Natural aluminium and galvanised arm</b>
Electric lock	<b>YES on request</b>	<b>YES on request</b>	<b>YES on request</b>	<b>YES on request</b>
Integrated radio receiver	<b>YES on request</b>	<b>YES on request</b>	<b>YES on request</b>	<b>YES on request</b>






## ARM AUTOMATION FOR SWINGING SHUTTER.

86

ST50 - 100

230V

UP TO 100KG

			Code
<b>ST02301</b>	ST50 2A - 2-door swing automation 80/120 cm - adjustable arm	1	<b>ST02301</b>
<b>ST02501</b>	ST50 2A - 2-door swing automation 120/160 cm - adjustable arm	1	<b>ST02501</b>
<b>ST02701</b>	ST50 1A - 1-door swing automation 60/80 cm - adjustable arm	1	<b>ST02701</b>
<b>ST03301</b>	ST100 2A - 2-door swing automation 160/200 cm - adjustable arm	1	<b>ST03301</b>
<b>ST03701</b>	ST100 1A - 1-door swing automation 80/125 cm - adjustable arm	1	<b>ST03701</b>

- !** Color White 9010 Matt  
For matt black color 9005 the product code ends with 0 instead of 1  
For natural aluminum color the product code ends with 2 instead of 1

### ACCESSORIES



**ST01488**  
MA-Arm that  
closed shutter  
folding doors



**ST02914**  
ST50  
Sheet metal for recess  
L=1600 mm.



**EWSCE110-220BD**  
BIDIRECTIONAL MINI  
control unit for awnings  
and shutters with  
built-in radio receiver  
(MARTIN-BD)



**EWSETX1BRICKB**  
Bidirectional remote  
control 1 ch 433 Mhz  
with magnetic wall  
support (BRICK1B)



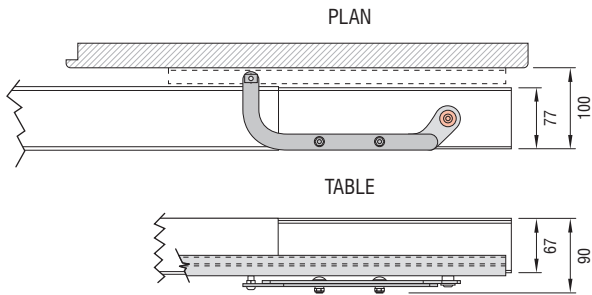
**EWSETX16BRICKB**  
Bidirectional remote  
control 15 ch 433 Mhz  
with magnetic wall  
support (BRICK16B)



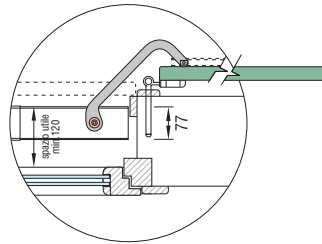
**ST01493**  
WH.471-24  
Electromechanical lock  
with side cable outlet

**DIMENSIONS**

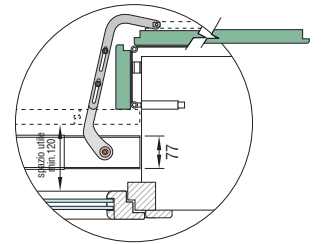
**SOLUTION WITH RAIL ALONGSIDE THE CASING**



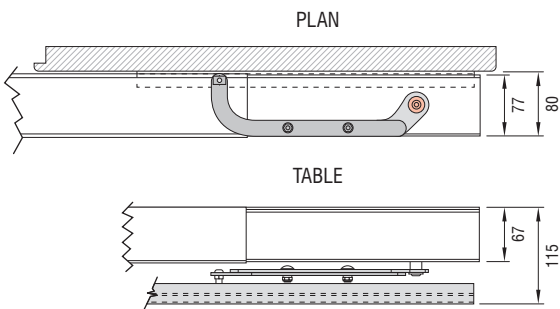
**STRAIGHT STRIP AND COATED EDGE**



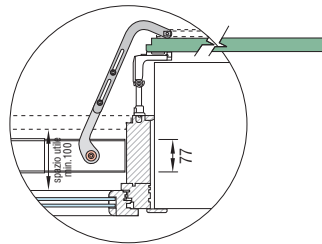
**PADOVANA STYLE ARTICULATED STRIP**



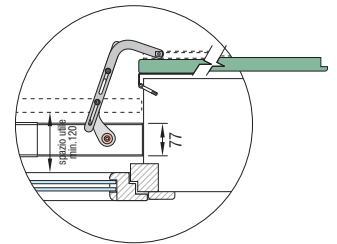
**SOLUTION WITH RAIL UNDER THE CASING**



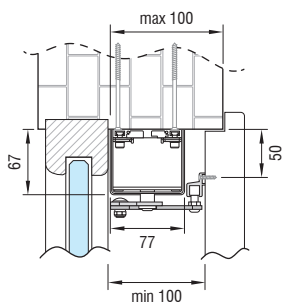
**EDGE PROJECTION ON MONOBLOC**



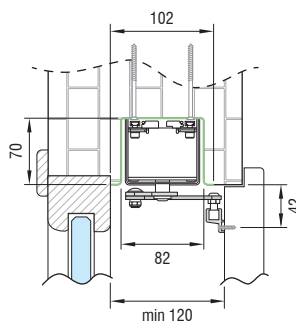
**GALVANISED STRIP**



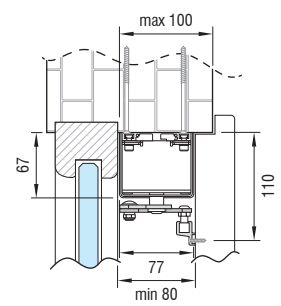
**EXPOSED AUTOMATION AND RAIL ALONGSIDE**



**ENCASED AUTOMATION**



**EXPOSED AUTOMATION AND RAIL UNDERNEATH**



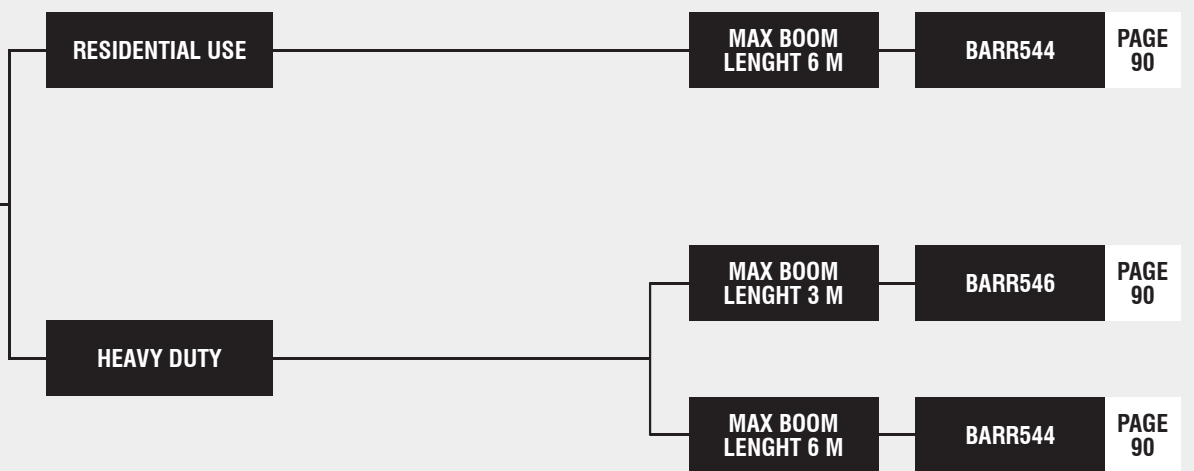


## AUTOMATIC BARRIERS.

88



ELECTROMECHANICS







## AUTOMATIC BARRIERS.

90

BARR500

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

24Vdc electromechanical barriers for aperture up to 6 m for intensive use.

### EASY TO INSTALL

Thanks to the adjustable anchorage system and control unit in elevated position.

### SILENT AND FAST

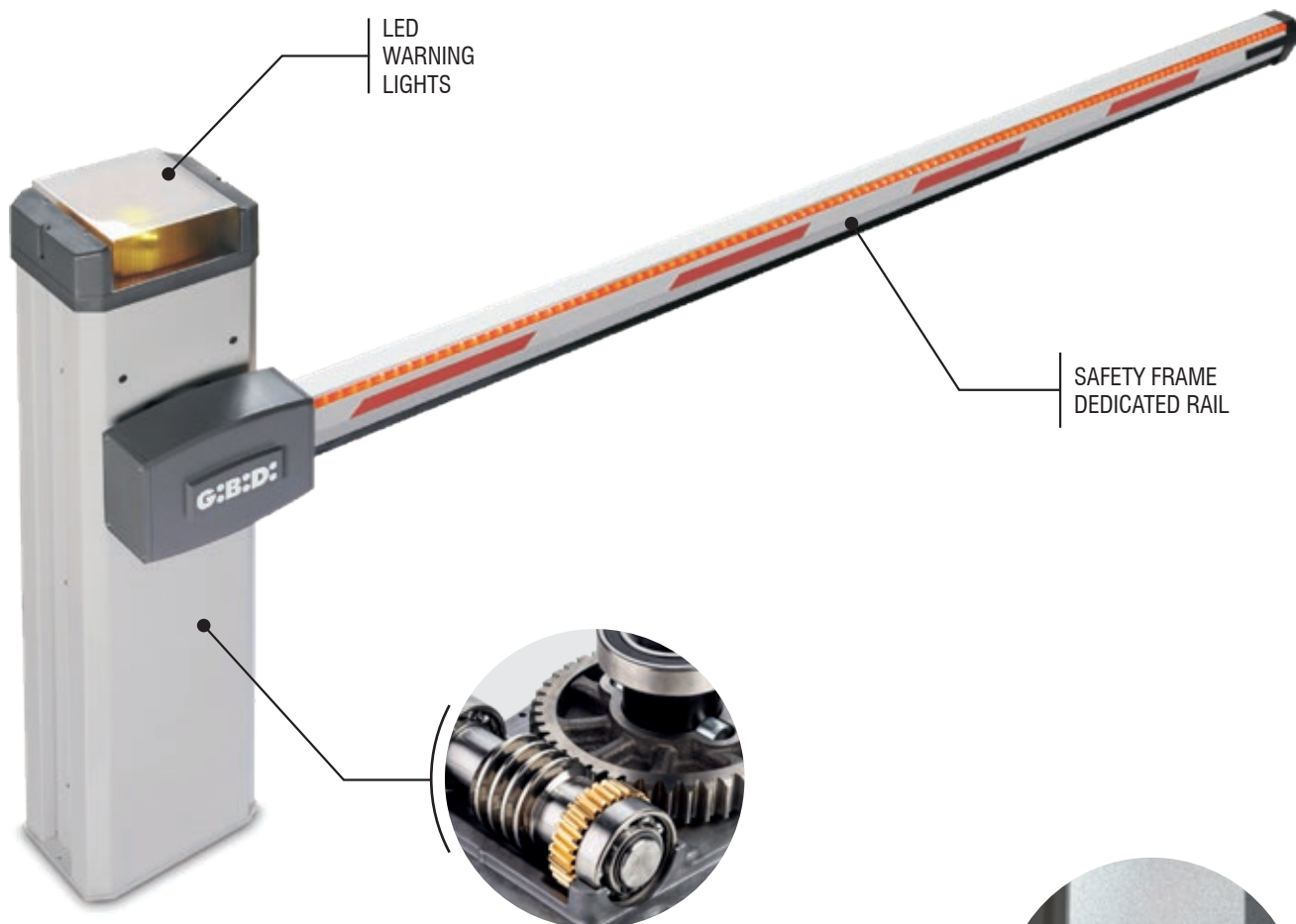
Fast reduction gear for opening in 1,8 sec. and up to 5 sec. Exclusively made with high quality materials.

### TECHNOLOGICAL AND SAFE

Master/Slave option, integrated traffic-light system, programmable safety devices connection and plenty of special functions. Transmission gear made of heat-treated forged steel. Embedded and adjustable anti-crushing technology for more safety, as established by EN 12453 standards.

### A COMPLETE AND RELIABLE RANGE

Suitable for apertures up to 6 m, with many accessories to complete it. Exclusively made with high quality materials. Balancing system with compression springs is made with special long-lasting steel.



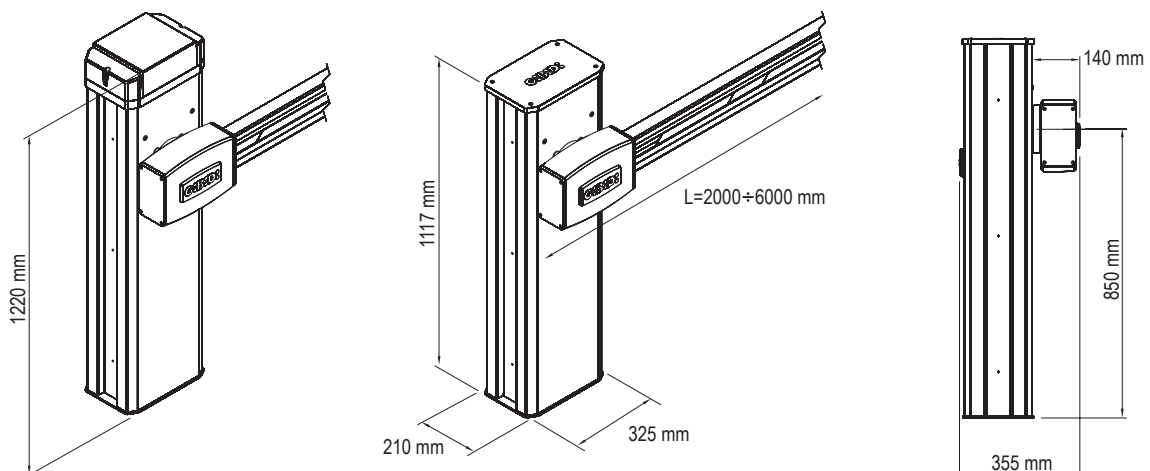
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MORE CONTENT

**TECHNICAL FEATURES**

	<b>BARR 544</b>	<b>BARR 546</b>
Type of use	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>
Frequency of use	<b>50% H24</b>	<b>60% H24</b>
Motor power supply	<b>24 Vdc</b>	<b>24 Vdc</b>
Absorbed power	<b>150 W</b>	<b>200 W</b>
Protection degree	<b>IP55 (IP67 operator)</b>	<b>IP55 (IP67 operator)</b>
Boom length	<b>Max 6 m</b>	<b>Max 3 m</b>
Opening time	<b>5 s</b>	<b>1,8 s</b>
Adjustable thrust	<b>YES</b>	<b>YES</b>
Decelerations	<b>YES</b>	<b>YES</b>
Operating temperature	<b>-20°C + 60°C</b>	<b>-20°C + 60°C</b>
Type of boom balancing	<b>COMPRESSION SPRING</b>	<b>COMPRESSION SPRING</b>
Encoder/limit switch	<b>LIMIT SWITCHES O/C</b>	<b>LIMIT SWITCHES O/C</b>
Weight of the unit	<b>45 Kg</b>	<b>45 Kg</b>

**!** BARR500 have to be considered ready for right hand installation.  
Please refer to the instructions book to modify the use hand and boom balancing

**DIMENSIONS**







# AUTOMATIC BARRIERS.

92

**BARR500**

**24V**

\*PRODUCT ALSO AVAILABLE AT 115 VAC

					Code
<b>BARR 544</b>	24 Vdc with embedded BR24 control unit	<b>EN</b>	1	8	<b>11524D-S2C</b>
<b>BARR 546</b>	24 Vdc with embedded BR24 control unit, fast version	<b>EN</b>	1	8	<b>11524VD-S2C</b>

- Boom inlet not included
- Balancing spring not included (see page 94)
- Control unit technical details, see page 119

## COMMON ACCESSORIES



**AJ01060**  
Flashing light unit including 24 Vdc LED board



**AJ01080**  
Cooling fan for the barrier control unit (suggested when high heavy duty is required)



**AJ01100**  
Others accessories fixation plate



**AJ01040**  
Foundation plate



**AJ01030**  
Release device with personalised lock+ keys



**AJ01482**  
Battery back up kit for BR24



**AJ01020**  
Paintend fork support for booms



**AJ01021**  
Wider fork support end to be used with AJ01020 (suggested for booms of 6 m and in presence of strong wind)



**11106**  
Aluminium rack, module of 1 m. Not suggested to be used with fast barrier

**ACCESSORIES FOR THE BOOM 100X66**



**AJ01310**  
Boom inlet for booms 100x66



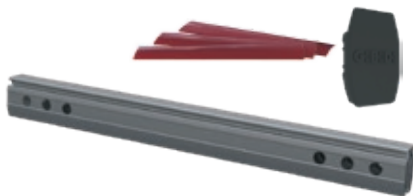
**AJ01130**  
Kit for the articulated boom (not suggested with fast barrier)



**AJ01140**  
Kit of plastic covers (boom inlet, end cap) necessary if there are boom LED lights and safety edges



**AJ01050**  
100x66 boom end support, movable version. Necessary to add the AJ01140



**Aluminium booms.**  
Red reflective stickers and end caps are included

- AB13000** Boom L=2 m
- AB13010** Boom L=3 m
- AB13020** Boom L=4 m
- AB14010** Boom L=4,5 m
- AB14020** Boom L=5 m
- AB13030** Boom L=5,7 m



**RED/GREEN LED light kit** with connector and cap.  
To be used with code AJ01140

- AJ70261** R/G LED kit for arm of 2 m
- AJ70271** R/G LED kit for arm of 3 m
- AJ70251** R/G LED kit for arm of 4 m
- AJ70291** R/G LED kit for arm of 4,5 m
- AJ70301** R/G LED kit for arm of 5 m
- AJ70281** R/G LED kit for arm of 5,7 m



**8K2 safety edge.**  
To be used with AJ01140

- AJ01270** 8K2 safety edge for 2 m boom
- AJ01280** 8K2 safety edge for 3 m boom
- AJ01290** 8K2 safety edge for 4 m boom
- AJ01530** 8K2 safety edge for 4,5 m boom
- AJ01540** 8K2 safety edge for 5 m boom
- AJ01300** 8K2 safety edge for 5,7 m boom

\* For shipments of booms exceeding 4 m, a transport cost contribution will apply.

**ACCESSORIES FOR THE BOOM 80X40**



**Aluminium booms.**  
Red reflective stickers and end caps are included

- AB13040** Boom L=2 m
- AB13050** Boom L=3 m
- AB13060** Boom L=4 m
- AB13070** Boom L=6 m



**AJ01010**  
Boom inlet for booms 80x40



**AJ01260**  
80x40 boom end support, movable version

\* For shipments of booms exceeding 4 m, a transport cost contribution will apply.



# AUTOMATIC BARRIERS.

94

**BARR500**

**24V**

\*PRODUCT ALSO AVAILABLE AT 115 VAC



**balancing spring choice**

Spring type	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
Code	AJ01340	AJ01350	AJ01360	AJ01370	AJ01380	AJ01390

**100x66 mm profile accessories**

**Boom length (m)**

	2	2,5	3	3,5	4	4,5	5	5,5	6
Boom	A	A	A	B	B	C	D	D	E
Boom + Light	A	A	A	B	C	C	D	E	E
Boom + Edge	A	A	B	B	C	D	E	E	F
Boom + Edge + Light	A	A	B	B	C	D	E	F	F
Boom + Endfoot	A	A	B	B	C	D	E		
Boom + Endfoot + Light	A	A	B	B	C	D	E		
Boom + Endfoot + Edge	A	A	B	C	D	E	E		
Boom + Endfoot + Edge + Light	A	B	B	C	D	E	F		
Boom + Rack	A	A	B	B	C	D	E	E	F
Boom + Rack + Light	A	A	B	B	C	D	E	F	F
Boom + Rack + Endfoot	A	B	B	C	D	E	E		
Boom + Rack + Endfoot + Light	A	B	B	C	D	E	F		
Articulated boom		B	B	B	C				
Articulated boom + Light		B	B	C	D				
Articulated boom + Edge		B	B	B	D				
Articulated boom + Edge + Light		B	B	C	D				
Articulated boom + Endfoot		B	B	C	D				
Articulated boom + Endfoot + Light		B	B	C	D				
Articulated boom + Endfoot + Edge + Light		B	B	C	D				

**80x40 mm profile accessories**

**Boom length (m)**

	2	2,5	3	3,5	4	4,5	5	5,5	6
Boom	A	A	A	A	B	B	B	C	D
Boom + Edge	A	A	A	B	B	C	C	D	E
Boom + Endfoot	A	A	A	B	B	B	C	C	D
Boom + Edge + Endfoot	A	A	B	B	B	C	D	D	E
Boom + Rack	A	A	A	B	B	C	D	D	E
Boom + Rack + Endfoot	A	A	B	B	B	C	D	D	E

			Code
<b>KIT BARR2B</b>	2 m BARR544 kit - Basic with 80x40 mm boom	<b>B</b>	<b>KBARR2B</b>
<b>KIT BARR3B</b>	3 m BARR544 kit - Basic with 80x40 mm boom	<b>B</b>	<b>KBARR3B</b>
<b>KIT BARR4B</b>	4 m BARR544 kit - Basic with 80x40 mm boom	<b>B</b>	<b>KBARR4B</b>
<b>KIT BARR6B</b>	6 m BARR544 kit - Basic with 80x40 mm boom	<b>B</b>	<b>KBARR6B</b>
<b>KIT BARR2F</b>	2 m BARR544 kit - Full Optional with 100x66 mm boom	<b>F</b>	<b>KBARR2F</b>
<b>KIT BARR3F</b>	3 m BARR544 kit - Full Optional with 100x66 mm boom	<b>F</b>	<b>KBARR3F</b>
<b>KIT BARR4F</b>	4 m BARR544 kit - Full Optional with 100x66 mm boom	<b>F</b>	<b>KBARR4F</b>
<b>KIT BARR45F</b>	4,5 m BARR544 kit - Full Optional with 100x66 mm boom	<b>F</b>	<b>KBARR45F</b>
<b>KIT BARR5F</b>	5 m BARR544 kit - Full Optional with 100x66 mm boom	<b>F</b>	<b>KBARR5F</b>
<b>KIT BARR6F</b>	5,7 m BARR544 kit - Full Optional with 100x66 mm boom	<b>F</b>	<b>KBARR57F</b>

**B** Kit Basic

**F** Kit FULL optional

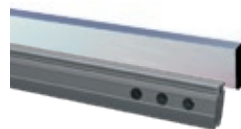
**INSTALLATION LAY-OUT**



**B F** **BARR500**  
BARR544 with  
BR24 control unit



**B F**  
Boom inlet



**B F**  
Barrier arm/boom



**B F**  
Balancing spring



**F** **AJ01140**  
Joint cover complete  
with boom cap



**F** **AJ01030**  
Release device with  
personalized lock



**F** **AJ01060**  
Flashing light unit  
including 24 Vdc  
LED board

**F**  
8K2 Ohm safety edge



**F**  
LED lights  
for the boom





BOLLARDS.

96

ELECTROMECHANICS

HYDRAULICS

Ø 115 MM  
H 500 MM

ROAD E 115

PAGE  
98

Ø 200 MM  
H 700 MM

ROAD E 200

PAGE  
98

Ø 275 MM  
H 600 MM

ROAD H 600

PAGE  
98

Ø 275 MM  
H 800 MM

ROAD H 800

PAGE  
98





## BOLLARDS.

98

ROAD

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Automatic rising bollards in 230Vac with hydraulic or electromechanical technology.

### EASY TO INSTALL

The motor and drive unit are always integrated and they are already in their foundation boxes.

### SILENT AND STRONG

Special motors balanced for a silent operation, cylinder thickness from 4 to 6 mm and diameter of 275 mm. One of the strongest of its range.

### PERFORMING

Made with special motor to be faster and more durable in time.

### TECHNOLOGICAL AND SAFE

Electromechanical version with recirculating ball dragging cursor and high efficiency hydraulic versions for super-intensive use.

### DESIGN

Elegant, with integrated LED crown for the 200mm and 275mm diameter versions, powder coated and easily adaptable into any residential, commercial or industrial setting.



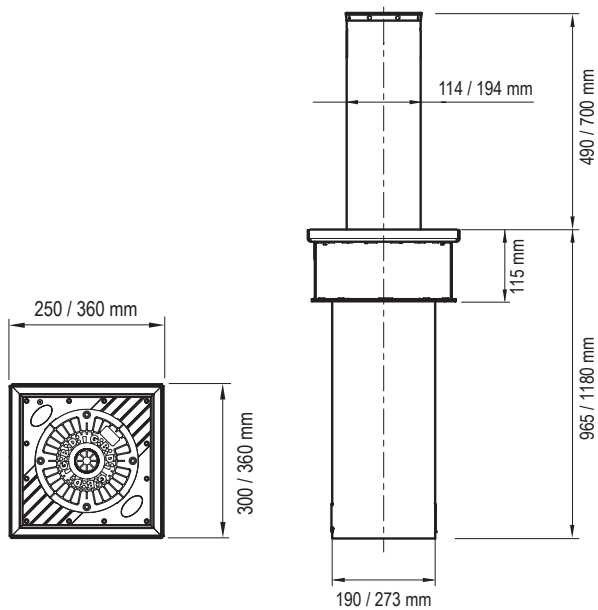
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MORE CONTENT

**TECHNICAL FEATURES**

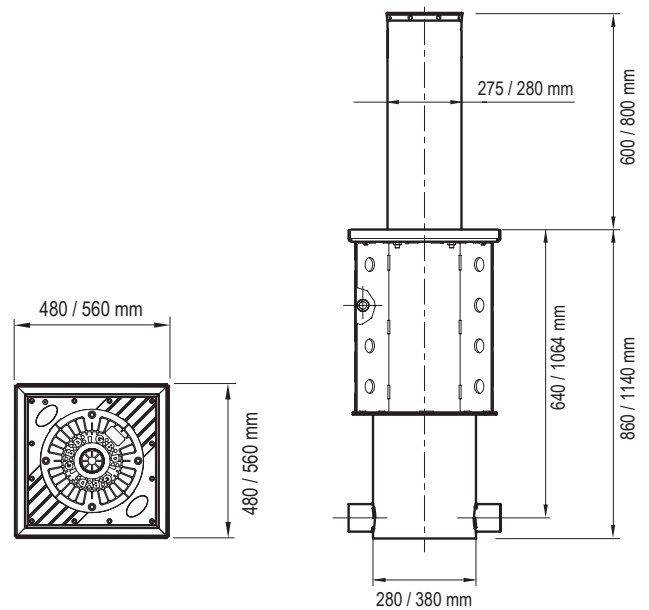
	<b>ROAD E 115</b>	<b>ROAD E 200</b>	<b>ROAD H 600</b>	<b>ROAD H 800</b>
Type of use	<b>RESIDENTIAL</b>	<b>RESIDENTIAL</b>	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>
Frequency of use	<b>500/H24</b>	<b>500/H24</b>	<b>3.000/H24</b>	<b>3.000/H24</b>
Motor power supply	<b>230Vac - 50/60Hz</b>	<b>230Vac - 50/60Hz</b>	<b>230Vac - 50/60Hz</b>	<b>230Vac - 50/60Hz</b>
Absorbed power	<b>300 W</b>	<b>300 W</b>	<b>600 W</b>	<b>600 W</b>
Protection degree	<b>IP67</b>	<b>IP67</b>	<b>IP67</b>	<b>IP67</b>
Resistance to impact without deformation	<b>7.000 J</b>	<b>7.000 J</b>	<b>20.000 J</b>	<b>20.000 J</b>
Anti-breakthrough resistance	<b>60.000 J</b>	<b>60.000 J</b>	<b>250.000 J</b>	<b>250.000 J</b>
Opening/closing time	<b>5 s.</b>	<b>5 s.</b>	<b>5 s.</b>	<b>6 s.</b>
Cylinder diameter	<b>115 mm</b>	<b>194 mm</b>	<b>273 mm</b>	<b>273 mm</b>
Cylinder stroke	<b>500 mm</b>	<b>700 mm</b>	<b>600 mm</b>	<b>800 mm</b>
Cylinder thickness	<b>-</b>	<b>-</b>	<b>6 mm</b>	<b>6 mm</b>
Operating temperature	<b>-20°C + 60°C</b>	<b>-20°C + 60°C</b>	<b>-20°C + 60°C</b>	<b>-20°C + 60°C</b>

**DIMENSIONS**

**ROAD E115 / E200**



**ROAD H600 / H800**





BOLLARDS.

100

ROAD E

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

			Code
<b>ROAD E 115/500</b>	Electromechanical bollard without LED – Ø 115 mm - H500 mm with foundation box	1	<b>ROAD E 115/500</b>
<b>ROAD E 200/700</b>	Electromechanical bollard with LED – Ø 200 mm – H700 mm with foundation box	1	<b>ROAD E 200/700</b>
<b>ROAD E 115/500-I304</b>	Stainless steel Electromechanical bollard without LED – Ø 115 mm - H500 mm with foundation box (AISI304)	1	<b>ROAD E 115/500-I304</b>
<b>ROAD E 200/700-I304</b>	Stainless steel Electromechanical bollard with LED – Ø 200 mm – H700 mm with foundation box (AISI304)	1	<b>ROAD E 200/700-I304</b>
<b>ROAD EO 210/490</b>	Electromechanical bollard with LED – Ø 210 mm - H490 mm with foundation box. Approved by the Italian Ministry of Transport	1	<b>ROAD EO 210/490</b>
<b>ROAD EO 210/700</b>	Electromechanical bollard with LED – Ø 210 mm – H700 mm with foundation box. Approved by the Italian Ministry of Transport	1	<b>ROAD EO 210/700</b>
<b>ROAD EO 210/490-I304</b>	Stainless steel Electromechanical bollard with LED – Ø 210 mm - H490 mm with foundation box (AISI304). Approved by the Italian Ministry of Transport	1	<b>ROAD EO 210/490-I304</b>
<b>ROAD EO 210/700-I304</b>	Stainless steel Electromechanical bollard with LED – Ø 210 mm – H700 mm with foundation box (AISI304). Approved by the Italian Ministry of Transport	1	<b>ROAD EO 210/700-I304</b>

#### ROAD E ACCESSORIES

##### AJKBATT-ROAD-E

Battery kit to keep the bollard raised in case of power cut

#### COMMON ACCESSORIES

##### ASROAD E

Control unit for ROAD E and H series (max 4 bollards)

##### ASROAD EO


Control unit for ROAD EO and H series (max 4 bollards)

##### AJTPF

Fixing plate for external TOTEM (services)

##### AJTOTEM

TOTEM (Services column)

			Code
<b>ROAD H 275/600</b>	Hydraulic bollard with LED - Ø 275 mm - H600 mm with foundation box	1	<b>ROAD H 275/600</b>
<b>ROAD H 275/600-I316</b>	Stainless steel (AISI316) Hydraulic bollard with LED - Ø 275 mm - H600 mm with foundation box	1	<b>ROAD H 275/600-I316</b>
<b>ROAD H 275/800</b>	Hydraulic bollard with LED - Ø 275 mm – H800 mm with foundation box	1	<b>ROAD H 275/800</b>
<b>ROAD H 275/800-I316</b>	Stainless steel (AISI316) Hydraulic bollard with LED - Ø 275 mm – H800 mm with foundation box	1	<b>ROAD H 275/800-I316</b>

**ROAD H ACCESSORIES**

**AJALARM-ROAD-H**

Anti-vandal kit for ROAD H

**AJTCAP**  
Standard lid  
for TOTEM

**AJTCAPLIGHT**  
Traffic light cap  
for TOTEM

**AJEXT50ROAD E**  
50 m cable extension

**AJEXT25ROAD E**  
25 m cable extension

**AJRILSIR**  
Emergency siren  
acoustic detector




BOLLARDS.

102 ROAD FIX

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

			Code
<b>ROAD FIX219</b>	Fixed bollard with LED – Ø 219 mm - H700 mm. Flange included	1	<b>ROAD FIX219</b>
<b>ROAD FIX275/600</b>	Fixed bollard with LED – Ø 275 mm - H600 mm. Without flange	1	<b>ROAD FIX275/600</b>
<b>ROAD FIX275/800</b>	Fixed bollard with LED – Ø 275 mm – H800 mm. Without flange	1	<b>ROAD FIX275/800</b>

ROAD FIX ACCESSORIES

---

**AJFLAFIX**

Flange for ROAD FIX275

**AJALIFIX**

Power supply for the LED crown  
on fix bollards

INSTALLATION LAY-OUT

**1 ROAD**  
ROAD bollard complete  
with foundation box

**2 ASRAODE**  
Control unit

**3 70750**  
Complete flashing lamp  
device DSL70750  
12-24-115-230V

**4 AU02540**  
DRS 4331 Universal  
1 channel receiver

**5 AU03100**  
MAKO remote control  
433Mhz



**6 AU01940**  
Wall mounted key selector  
model DCS100



**7 AU02250**  
Pair of DCF180  
wall mounted photocells



**8 AU02160**  
RED LED light  
230 Vac / 24 Vdc - ac  
IP54



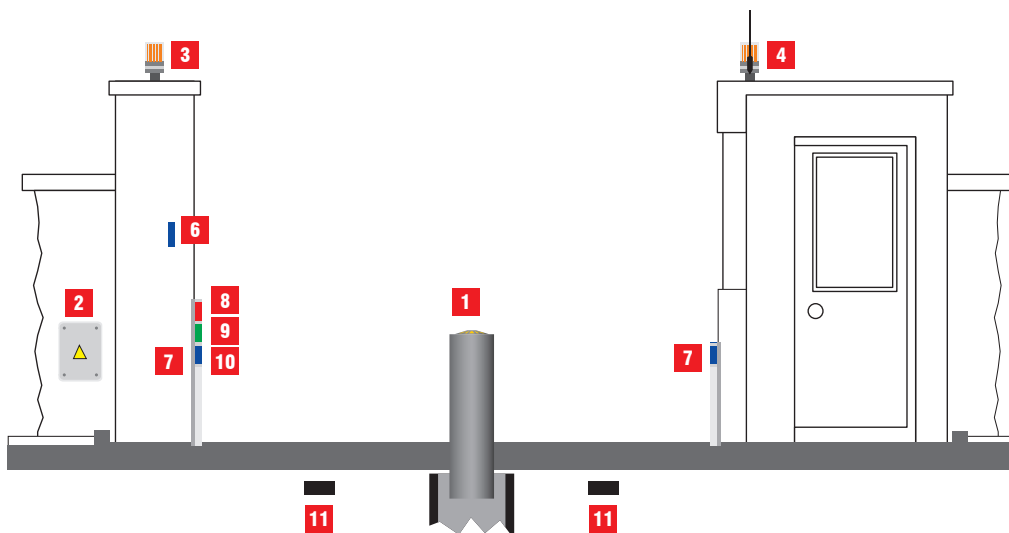
**9 AU02170**  
GREEN LED light  
230 Vac / 24 Vdc - ac  
IP54



**10 AU01970**  
Plastic spacer cap



**11 AS05900**  
Metallic  
mass detector -  
24 Vdc/ 230 Vac



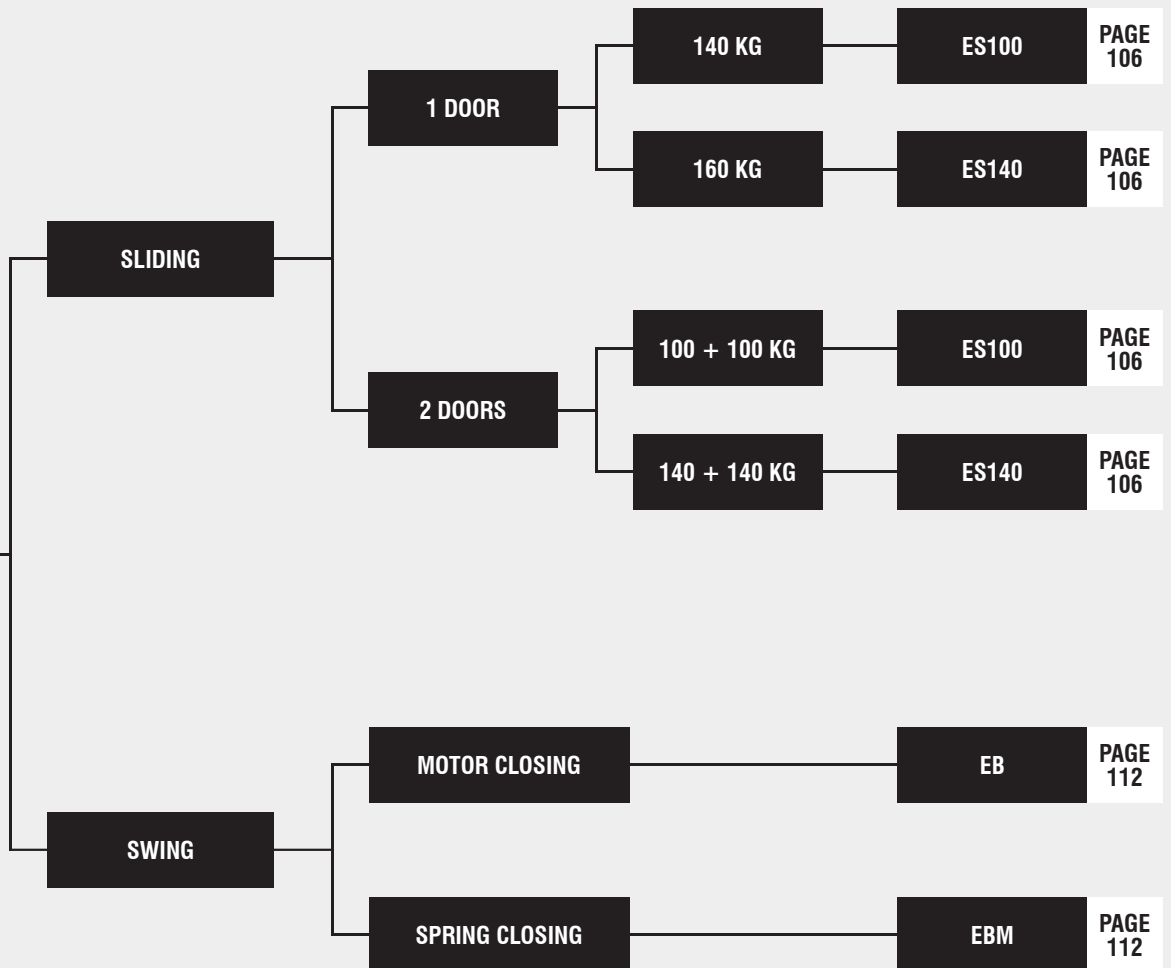




AUTOMATIC DOORS.

104

ELECTROMECHANICAL





## AUTOMATIC DOORS.

106

ENTRA ES

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

ENTRA ES operators for sliding doors are suitable for any type of installation; even the most demanding. Standing out for their modularity, mechanical and electronic characteristics that make for a flexible, functional, compact and, most importantly, easy to install fully equipped automatic door opening system. Technologically the most advanced solution available on the market.

Available in two options: the ES100 model (140Kg with one door or 100 + 100kg with two doors), and the ES140 with a capacity of 160Kg with one door or 140 + 140 Kg with two doors), both compliant to EN 16005 standards.

Built within a rigid aluminum structure, with removable covers and a practical lock/unlock device to keep the cover open during maintenance and cleaning procedures.

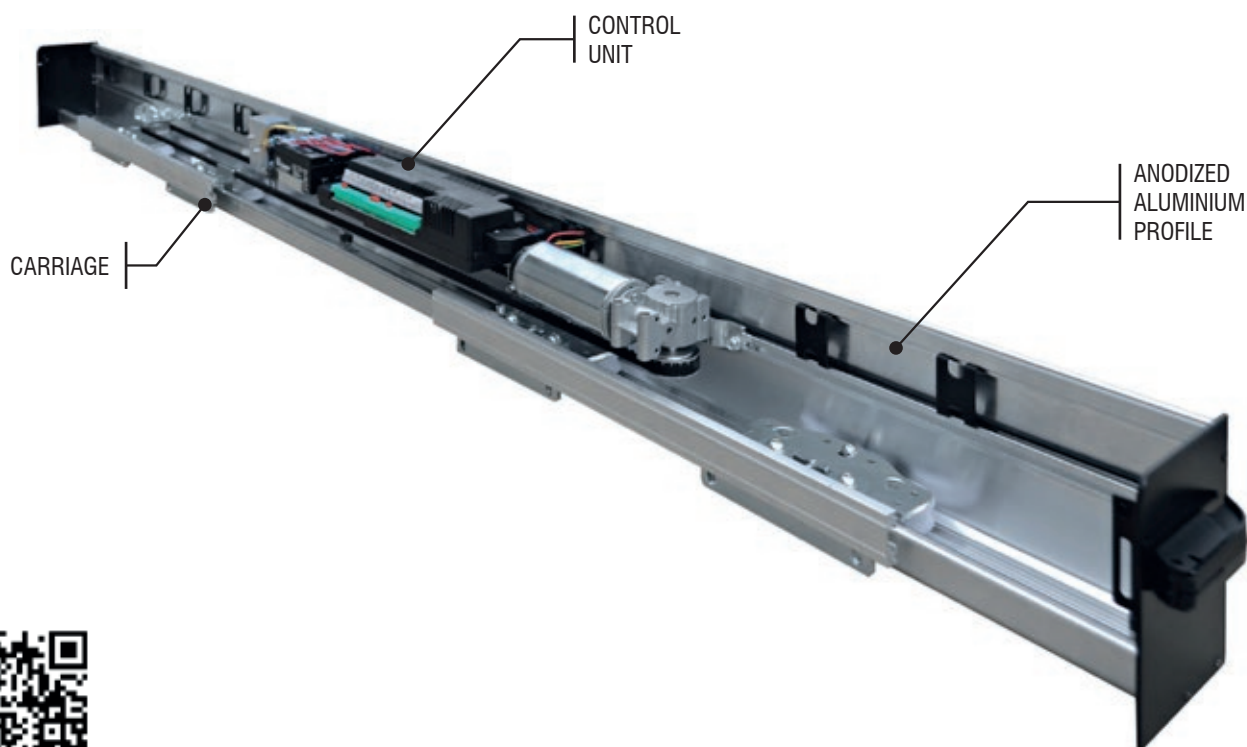
The trolley mechanism is made of steel with a self-lubricating double wheel, with a larger diameter and built-in height adjuster,

it makes the ENTRA ES a robust and noiseless automation solution. The ES100 has a 150W gearmotor and the ES140 a 180W, both coupled to high-resolution encoders.

The electronic control unit, with integrated switching power supply, guarantees greater energy savings, less weight, reduced dimensions and greater accelerations. Double microprocessor technology protected by a double self-extinguishing plastic shell and simplified programming thanks to the self-learning feature of the operating parameters.

Adjusting all parameters can be performed directly on the board via the display using specific selection buttons. It is also possible to connect logic selectors wirelessly.

ENTRA ES - really the most "creative" solution for your pedestrian entrance.



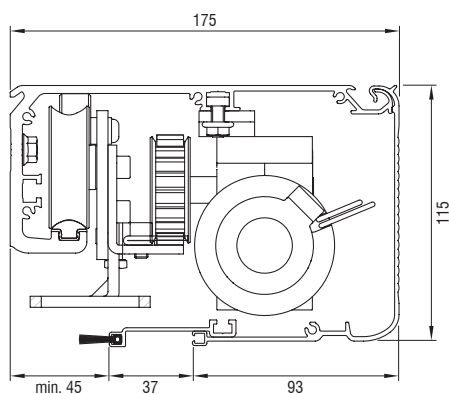
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**TECHNICAL FEATURES**

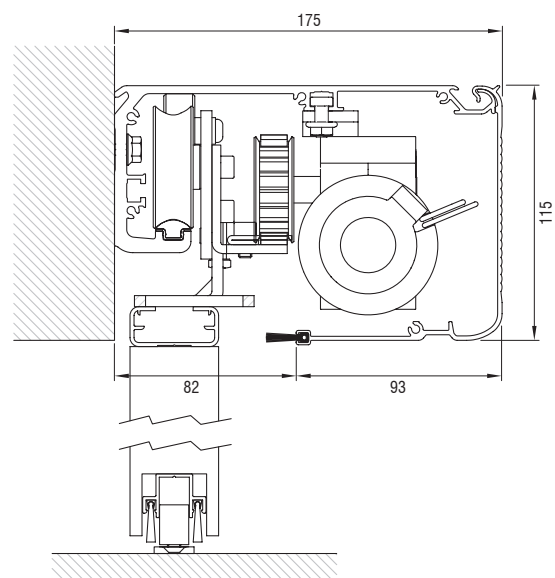
	<b>ES100</b>	<b>ES140</b>
Type of use	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>
Number of wings	<b>1 - 2</b>	<b>1 - 2</b>
Motor power supply	<b>230 Vac - 50/60 Hz</b>	<b>230 Vac - 50/60 Hz</b>
Absorbed power	<b>150 W</b>	<b>180 W</b>
Protection degree	<b>IP 20</b>	<b>IP 20</b>
Accessories power supply	<b>15V DC - 12 W Max</b>	<b>15V DC - 12 W Max</b>
Back-up battery (optional)	<b>24 V 1,2 Ah</b>	<b>24 V 1,2 Ah</b>
Max opening speed	<b>1 wing (70cm/s) - 2 wings (140 cm/s)</b>	<b>1 wing (70cm/s) - 2 wings (140 cm/s)</b>
Max closing speed	<b>70% of the opening speed</b>	<b>70% of the opening speed</b>
Max wing payload	<b>1 wing (140Kg) - 2 wings (100 Kg+ 100 Kg)</b>	<b>1 wing (160Kg) - 2 wings (140 Kg+140 Kg)</b>
Max clear opening	<b>1 wing ( 700÷3000 mm) 2 wings (800÷3000 mm)</b>	<b>1 wing ( 700÷3000 mm) 2 wings (800÷3000 mm)</b>
Operating temperature	<b>-10° C ÷ +55°C</b>	<b>-10° C ÷ +55°C</b>
Anti-crushing	<b>YES</b>	<b>YES</b>
Weight of the product	<b>11 Kg/m</b>	<b>11 Kg/m</b>
Conformity standard	<b>EN 16005</b>	<b>EN 16005</b>

**DIMENSIONS**

**OPERATOR SECTION**



**ENTRANCE WITH COMMERCIAL PROFILES AND ADAPTERS**





## AUTOMATIC DOORS.

108

### ENTRA ES100 - 1 WING

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 140KG

T	LUP	Pre-assembled automation	Code		Code
1600	700	ES100 operator for single door - silver anodized	ES100PF20.20	ES anodized lid	EAMPF23.60
2000	900	ES100 operator for single door - silver anodized	ES100PF20.22	ES anodized lid	EAMPF23.62
2400	1100	ES100 operator for single door - silver anodized	ES100PF20.24	ES anodized lid	EAMPF23.64
2800	1300	ES100 operator for single door - silver anodized	ES100PF20.26	ES anodized lid	EAMPF23.66
3200	1500	ES100 operator for single door - silver anodized	ES100PF20.28	ES anodized lid	EAMPF23.68
3600	1700	ES100 operator for single door - silver anodized	ES100PF20.30	ES anodized lid	EAMPF23.70
4000	1900	ES100 operator for single door - silver anodized	ES100PF20.32	ES anodized lid	EAMPF23.72
4400	2100	ES100 operator for single door - silver anodized	ES100PF20.34	ES anodized lid	EAMPF23.74
5200	2500	ES100 operator for single door - silver anodized	ES100PF20.36	ES anodized lid	EAMPF23.76
6200	3000	ES100 operator for single door - silver anodized	ES100PF20.38	ES anodized lid	EAMPF23.78

! T = Automation device width (mm) – LUP = Useful aperture (mm)

### ENTRA ES100 - 2 WINGS

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 100+100KG

T	LUP	Pre-assembled automation	Code		Code
1800	800	ES100 operator for dual door - silver anodized	ES100PF20.71	ES anodized lid	EAMPF23.61
2200	1000	ES100 operator for dual door - silver anodized	ES100PF20.73	ES anodized lid	EAMPF23.63
2600	1200	ES100 operator for dual door - silver anodized	ES100PF20.75	ES anodized lid	EAMPF23.65
3000	1400	ES100 operator for dual door - silver anodized	ES100PF20.77	ES anodized lid	EAMPF23.67
3400	1600	ES100 operator for dual door - silver anodized	ES100PF20.79	ES anodized lid	EAMPF23.69
3800	1800	ES100 operator for dual door - silver anodized	ES100PF20.81	ES anodized lid	EAMPF23.71
4200	2000	ES100 operator for dual door - silver anodized	ES100PF20.83	ES anodized lid	EAMPF23.73
4800	2300	ES100 operator for dual door - silver anodized	ES100PF20.85	ES anodized lid	EAMPF23.75
5600	2700	ES100 operator for dual door - silver anodized	ES100PF20.87	ES anodized lid	EAMPF23.77

! T = Automation device width (mm) – LUP = Useful aperture (mm)



**ENTRA ES140 - 1 WING**

**230V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**UP TO 160KG**

**109**

T	LUP	Pre-assembled automation	Code		Code
1600	700	ES140 operator for single door - silver anodized	<b>ES140PF21.20</b>	ES anodized lid	<b>EAMPF23.60</b>
2000	900	ES140 operator for single door - silver anodized	<b>ES140PF21.22</b>	ES anodized lid	<b>EAMPF23.62</b>
2400	1100	ES140 operator for single door - silver anodized	<b>ES140PF21.24</b>	ES anodized lid	<b>EAMPF23.64</b>
2800	1300	ES140 operator for single door - silver anodized	<b>ES140PF21.26</b>	ES anodized lid	<b>EAMPF23.66</b>
3200	1500	ES140 operator for single door - silver anodized	<b>ES140PF21.28</b>	ES anodized lid	<b>EAMPF23.68</b>
3600	1700	ES140 operator for single door - silver anodized	<b>ES140PF21.30</b>	ES anodized lid	<b>EAMPF23.70</b>
4000	1900	ES140 operator for single door - silver anodized	<b>ES140PF21.32</b>	ES anodized lid	<b>EAMPF23.72</b>
4400	2100	ES140 operator for single door - silver anodized	<b>ES140PF21.34</b>	ES anodized lid	<b>EAMPF23.74</b>
5200	2500	ES140 operator for single door - silver anodized	<b>ES140PF21.36</b>	ES anodized lid	<b>EAMPF23.76</b>
6200	3000	ES140 operator for single door - silver anodized	<b>ES140PF21.38</b>	ES anodized lid	<b>EAMPF23.78</b>

**!** T = Automation device width (mm) – LUP = Useful aperture (mm)

**ENTRA ES140 - 2 WINGS**

**230V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**UP TO 140+140KG**

T	LUP	Pre-assembled automation	Code		Code
1800	800	ES140 operator for dual door - silver anodized	<b>ES140PF21.71</b>	ES anodized lid	<b>EAMPF23.61</b>
2200	1000	ES140 operator for dual door - silver anodized	<b>ES140PF21.73</b>	ES anodized lid	<b>EAMPF23.63</b>
2600	1200	ES140 operator for dual door - silver anodized	<b>ES140PF21.75</b>	ES anodized lid	<b>EAMPF23.65</b>
3000	1400	ES140 operator for dual door - silver anodized	<b>ES140PF21.77</b>	ES anodized lid	<b>EAMPF23.67</b>
3400	1600	ES140 operator for dual door - silver anodized	<b>ES140PF21.79</b>	ES anodized lid	<b>EAMPF23.69</b>
3800	1800	ES140 operator for dual door - silver anodized	<b>ES140PF21.81</b>	ES anodized lid	<b>EAMPF23.71</b>
4200	2000	ES140 operator for dual door - silver anodized	<b>ES140PF21.83</b>	ES anodized lid	<b>EAMPF23.73</b>
4800	2300	ES140 operator for dual door - silver anodized	<b>ES140PF21.85</b>	ES anodized lid	<b>EAMPF23.75</b>
5600	2700	ES140 operator for dual door - silver anodized	<b>ES140PF21.87</b>	ES anodized lid	<b>EAMPF23.77</b>

**!** T = Automation device width (mm) – LUP = Useful aperture (mm)





ACCESSORIES



**EAPF25.65**  
Backup battery kit with recharger and control card.



**EAPF25.61**  
Fail Secure lock with single manual release



**EAPF25.63**  
Fail safe lock with single manual release



**EAPF25.71**  
Fail Secure lock with dual manual release



**EAPF25.72**  
Fail safe lock with dual manual release



**EAPF01.47**  
14 mm brush  
L = 2,5 m



**EAPF01.48**  
20 mm brush  
L = 2,5 m



**EAPF01.49**  
27 mm brush  
L = 2,5 m

**EAPF21.89**  
PLUS kit for ES140 – increases single door weight to max 300 Kg or 200+200 Kg for 2 doors)

! If ordered together with the automation, they come pre-assembled!

OTHER ES ACCESSORIES



**EAPF25.86**  
Single beam photocells



**EAPF37.62**  
DIGIDOOR digital logic selector



**EAPF37.67**  
ICON logic selector



**EAPF11.62 (COLIBRI ONE)**  
Monodirectional microwave sensor (L80 x W60 x H55 mm)



**EAPF11.70 (VIO ST)**  
Active infrared sensor for side safety EN16005



**EAPF87.09 (VIO DT2)**  
Dual direction monitored sensor with dual technology EN16005



**EAPF87.10 (IXIO DT1)**  
Dual technology monitored unidirectional sensor EN16005 with display



**EAPF11.67 (IXIO DT3)**  
Dual technologies sensor active infrared and microwave EN16005 unidirectional. For emergency doors. Performance level "D"

**OTHER MECHANICAL ACCESSORIES**



**EAPF03.20N**  
Sliding door guide, silver anodized  
L= 2,5 m



**EAPF03.70**  
Floor guide with low-friction insert.  
For EAPF03.20 profiles



**EAPF12.01**  
Floor guide with bearing  
of 25 mm



**EAPF12.02**  
"U" shaped profile L=2,2 m  
to be used with floor guides EAPF12.01  
and EAPF12.04

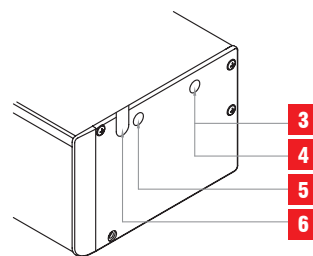
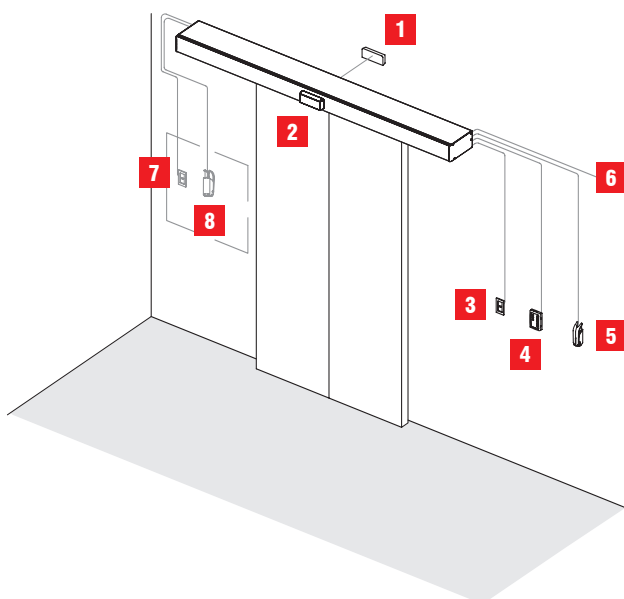


**EAPF12.15N**  
Adapter profile for commercial doors  
L= 1.6 m - silver anodized.  
APF12.17 platelets required



**EAPF12.17**  
Plate for commercial profile  
adapters EAPF12.15 and  
EAPF12.16. Pack of 4 pcs

**WIRINGS LAY-OUT**



- 1 External radar** Cables supplied
- 2 Internal radar** cables supplied
- 3 Button** 2 x 0.25 mm<sup>2</sup> cables
- 4 Selector** 4 x 0.25 mm<sup>2</sup> shielded cables
- 5 Release handle** cables supplied (max length 4.5 m)
- 6 Power supply** 3 x 1.5 mm<sup>2</sup> cables
- 7 Key contact** 2 x 0.25 mm<sup>2</sup> cables
- 8 External release handle (\*)** Cables supplied (max length 4.5 m)  
(\* To be placed in an armored box (not supplied))



## AUTOMATIC DOORS.

112

ENTRA EB

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 240KG

The swing door operator is designed to simplify the installation and programming procedure.

The ENTRA EB is equipped with innovative mechanical solutions that guarantee intensive use and a long operating life.

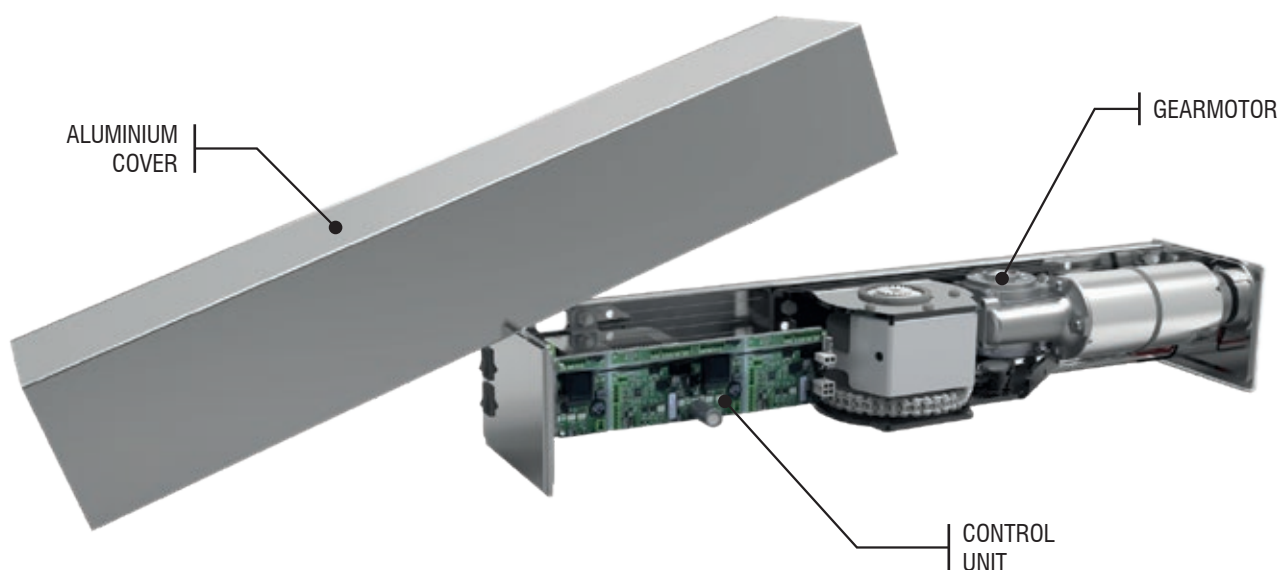
At the heart of the operator is assembled a pioneering transmission, consisting of an excellent quality gear-motor which has been tried and tested with supreme results in other applications, combined with a single reduction stage that is made with a sealed self-lubricating roller chain.

This solution provides long life and a maintenance free product. A mechanical energy accumulator made with a fully tested and state-of-the-art belt spring completes the system.

Special precautions taken during the design phase of the electronic control unit and the switching power supply allow reduced energy consumption when night mode is activated.

Among the features of ENTRA EB: Many different types of electric locks with different power values can be managed, the high-strength harmonic steel spring with a working cycle of over one million complete openings and closings.

The easy set-up and direct programming onto the embedded control unit, The "PUSH & GO" and Interlock function and the standard on-board switches, (ON/OFF) and multi-logic selector.



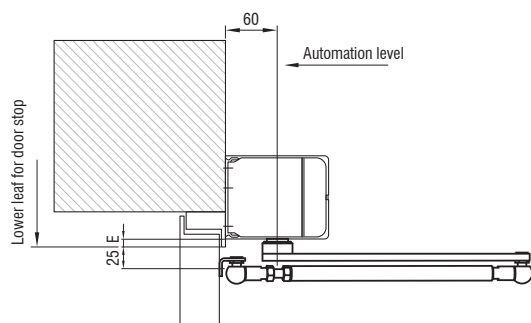
DOWNLOAD  
MORE CONTENT

**TECHNICAL FEATURES**

	<b>EB</b>	<b>EBM</b>	<b>EBMF</b>
Type of use	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>	<b>HEAVY DUTY</b>
Power supply	<b>230 V Ac - 50/60 Hz</b>	<b>230 V Ac - 50/60 Hz</b>	<b>230 V Ac - 50/60 Hz</b>
Absorbed power	<b>85 W</b>	<b>85 W</b>	<b>85 W</b>
Accessories power supply	<b>12/24V DC</b>	<b>12/24V DC</b>	<b>12/24V DC</b>
Operating temperature	<b>-10°C + 55° C</b>	<b>-10°C + 55° C</b>	<b>-10°C + 55° C</b>
Protection degree	<b>IP 40</b>	<b>IP 40</b>	<b>IP 40</b>
hight (mm)	<b>95</b>	<b>95</b>	<b>95</b>
Width (mm)	<b>587</b>	<b>587</b>	<b>587</b>
Depth (mm)	<b>120</b>	<b>120</b>	<b>120</b>
Max door width (mm)	<b>1400</b>	<b>1400</b>	<b>1400</b>
Max opening angle	<b>110°</b>	<b>110°</b>	<b>110°</b>
Spring pre-load	-	<b>EN3—EN6</b>	<b>EN3—EN6</b>
Low energy feature	<b>YES</b>	<b>YES</b>	<b>YES</b>
Push & Go	<b>ADJUSTABLE</b>	<b>ADJUSTABLE</b>	<b>ADJUSTABLE</b>
Wind retention	<b>YES</b>	<b>YES</b>	<b>YES</b>
Programmable speed	<b>YES</b>	<b>YES</b>	<b>YES</b>
Weight of the operator	<b>8,5 Kg</b>	<b>9 Kg</b>	<b>9 Kg</b>
Conformity standard	<b>EN16005</b>	<b>EN16005</b>	<b>EN15725.2010</b>

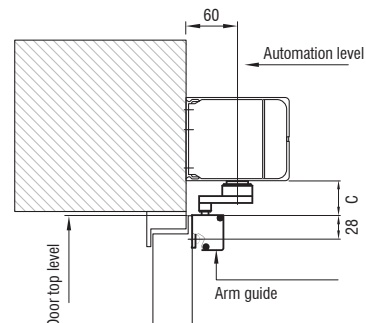
**DIMENSIONS**

**PUSHING ARM**



Type of extension	<b>E</b>
L = 30 mm (Supplied and already welded)	12 mm
L = 50 mm	32 mm
L = 70 mm	52 mm
L = 90 mm	72 mm

**PULLING ARM**



Type of extension	<b>C</b>
L = 30 mm (Supplied and already welded)	42 mm
L = 50 mm	62 mm
L = 70 mm	82 mm
L = 90 mm	102 mm



# AUTOMATIC DOORS.

114

ENTRA EB

230V

\*PRODUCT ALSO AVAILABLE AT 115 VAC

UP TO 240KG

				Code
<b>ENTRA EB-M</b>	EB-M operator with spring closure	1	40	EBPF31.00
<b>ENTRA EB</b>	EB-M operator with motorized closure	1	40	EBPF31.01
<b>ENTRA EB-MF</b>	EB-M operator with spring closure for fire doors	1	40	EBPF31.08

## ACCESSORIES



**EAPF31.30**  
Push arm for EB



**EAPF31.31**  
Pull arm for EB



**EAPF31.32**  
PUSH ARM XL –  
Long push arm for wall thicknesses from 150 mm to 300 mm



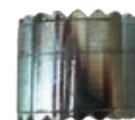
**EAPF37.62**  
DIGIDOOR  
digital logic selector

**EAPF31.70**  
Emergency battery KIT for ENTRA EB

**EAPF31.71**  
Central casing; base + lid for double ENTRA EB  
L=1 m

**EAPF31.74**  
Cable for connection for double Master/Slave  
L= 3m

**EAPF31.33**  
Arm extension of 50 mm



**EAPF11.56 (4 SAFE)**  
350 mm long active infrared sensor for swinging wing movement safety



**EAPF11.88**  
FLATSCAN - pair of side sensors (black)



**EAPF11.94**  
FLATSCAN DX - single right hand sensor (black)

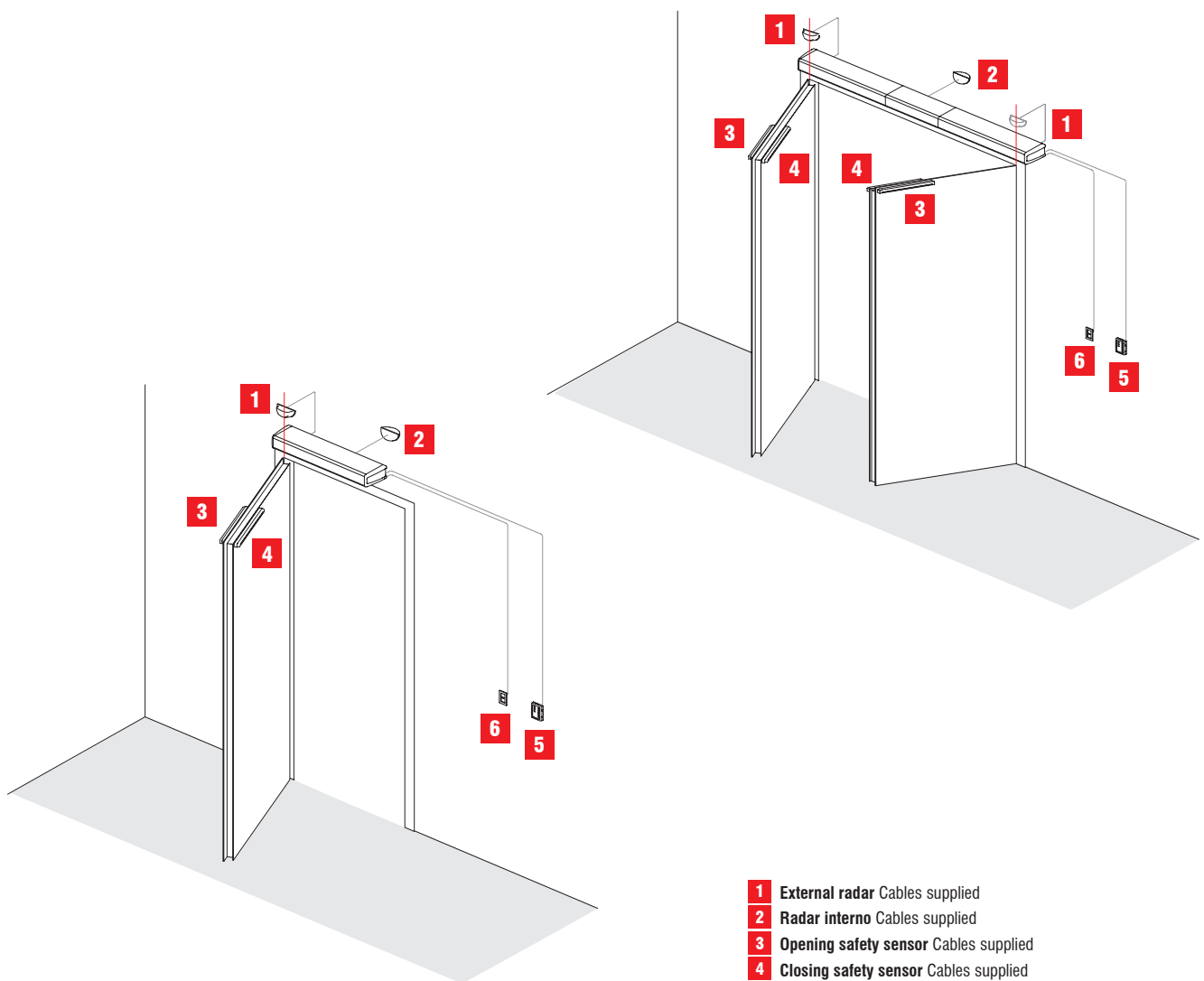


**EAPF11.95**  
FLATSCAN SX - single left hand sensor (black)



**EAPF11.62 (COLIBRI ONE)**  
One way microwave sensor (L80 x L60 x H55 mm)

WIRINGS LAY-OUT



- 1** External radar Cables supplied
- 2** Radar interno Cables supplied
- 3** Opening safety sensor Cables supplied
- 4** Closing safety sensor Cables supplied
- 5** Selector 4 x 0,25 mm<sup>2</sup> shielded cables
- 6** Power supply 3 x 1,5 mm<sup>2</sup> cables



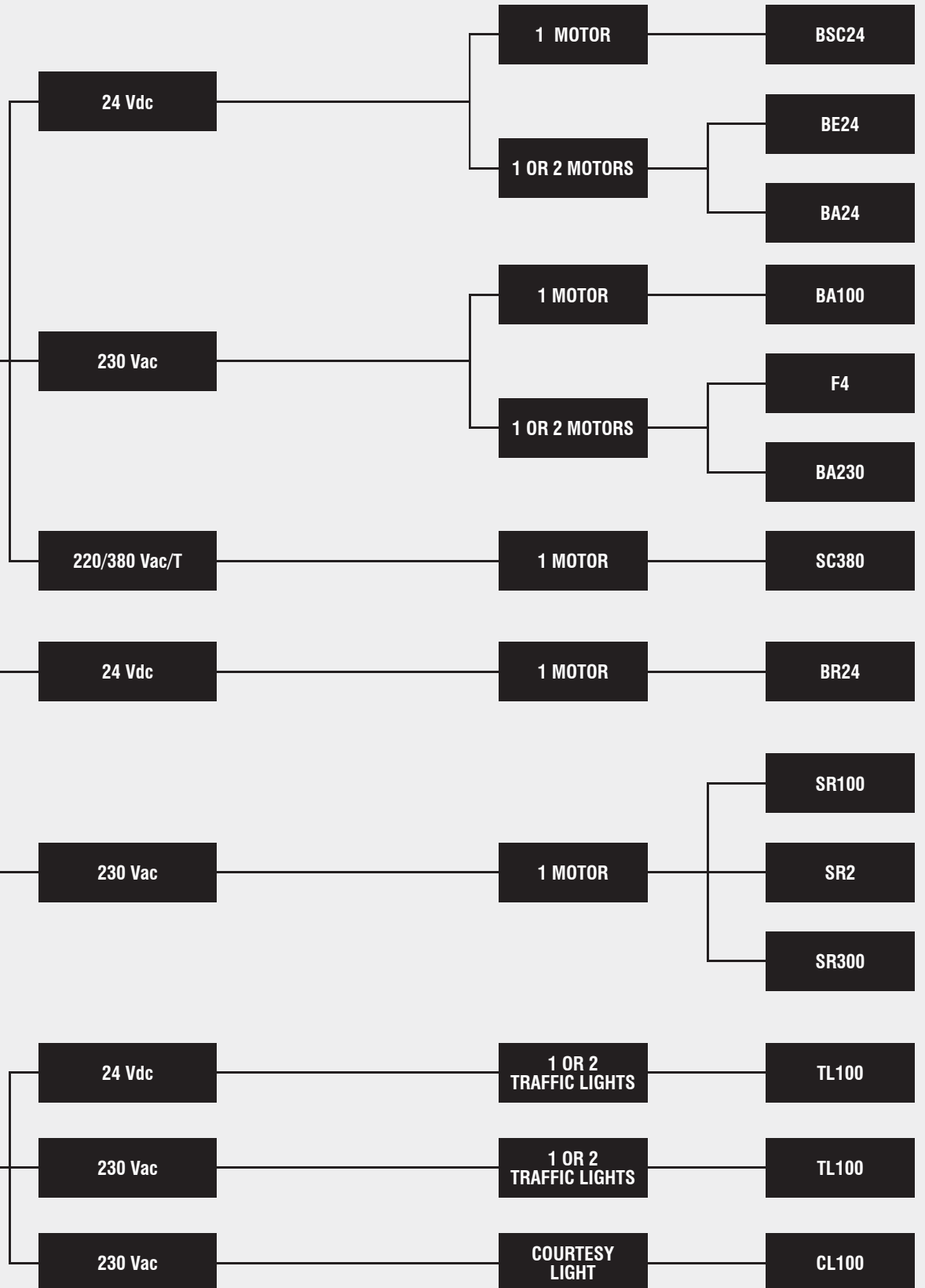


GATES

BARRIERS

ROLLING SHUTTERS

CONTROL





DOWNLOAD  
MORE CONTENT

**F4 (AS06320)**

Control unit for 1 or 2 230 Vac motors, analogic programming, 4 limit switches. Learning times and slowdowns. Suitable for both electromechanical and hydraulic motors.



DOWNLOAD  
MORE CONTENT

**BA230 (AS05581)**

Control unit for 1 or 2 230Vac motors, digital programming, 4 limit switches, double electric lock, separate working time for each motor, slowdowns, separate logic for START and PEDESTRIAN. Suitable for both electromechanical and hydraulic motors.



DOWNLOAD  
MORE CONTENT

**BA100 (AS05060)**

Control unit for 1 motor (2 in parallel) at 230Vac, analogic programming, 2 limit switches, slowdowns. Suitable for both electromechanical and hydraulic motors.



DOWNLOAD  
MORE CONTENT

**BA24 (AS06300)**

Control unit for 1 or 2 24Vdc motors, digital programming, 4 limit switches, double electric lock, separate working time for each motor, slowdowns, anti-crushing, separate logics for START and PEDESTRIAN. Suitable for both electromechanical and hydraulic motors.



DOWNLOAD  
MORE CONTENT

**BSC24 (AS05030)**

Control unit for 1 motor (2 in parallel) at 24Vac, analog programming, 2 limit switches, slowdowns, anti-crushing. Dedicated for use with Autobox 5024.



DOWNLOAD  
MORE CONTENT

**BR24 (AS06200)**

Control unit for 1 24Vac motor, digital programming, 2 limit switches, slowdowns, anti-crushing, master-slave function, traffic light management and timer management. Dedicated for use with BARR500.



DOWNLOAD  
MORE CONTENT

**BE24 (AS06250)**

**BE24G (AS06270) - only for GROUND 634**

Control unit for 1 or 2 24Vdc motors, analog programming with self-learning. It works with encoder or timed. Anti-crushing, slowdowns. Built-in radio receiver and battery charger. Suitable for both electromechanical and hydraulic motors.



DOWNLOAD  
MORE CONTENT

**SE24 (AS05860)**

Control unit for 1 24Vdc motor with encoder. Digital programming with graphic display. WIZARD SET-UP, built-in radio receiver. Self-adaptive technology. Slowdowns and anti-crushing. Built-in timer. Event logs. Dedicated for use with SL544.





## CONTROL UNITS.

### 120 CONTROL UNITS



DOWNLOAD  
MORE CONTENT

#### SC380 (AS05800)

Control unit for 1 single-phase/three-phase 220Vac or three-phase 400Vac motor. Digital programming. Highly reliable hardware with contactors and mechanical line disconnecter. Encoder input for anti-crushing management. Programmable inputs for extreme customization. Suitable for electromechanical and hydraulic motors.



DOWNLOAD  
MORE CONTENT

#### SR302 (433MHz: AS07200 / 868MHz: AS07300)

Control unit for 1 motor at 230Vac. Analog programming. Safety inputs. Built-in radio receiver (433MHz or 868MHz). Dedicated for use with MPS series.



DOWNLOAD  
MORE CONTENT

#### ROAD E (ASROAD-E)

Control unit for max 4 ROAD E series bollards. Digital programming.



DOWNLOAD  
MORE CONTENT

#### TL100 (AS05180)

Control unit for managing the traffic light system. Analog programming. Waiting time management and green light priority change.



**DOWNLOAD**  
MORE CONTENT

**SC230E (For PASS600/800/1200/1800: A90984P)**

Control unit for 1 230Vac motor with or without encoder.  
Analog programming. Slowdowns and anti-crushing.  
Dedicated for use with PASS series.



**DOWNLOAD**  
MORE CONTENT

**TAIMEN (AS06070)**

Control unit for digital TAIMEN T6 and T12, complete  
with LED light and built-in receiver.



**DOWNLOAD**  
MORE CONTENT

**EWSCE110-220BD**

MINI BIDIRECTIONAL control unit for awnings and shutters  
with built-in radio receiver (MARTIN-BD).





## CONTROL UNITS.

122

### TECHNICAL FEATURES

	F4	BA230	BA100	BA24	BSC24	BR24	BE24
Number of motors	1 - 2	1 - 2	1	1 - 2	1	1	1 - 2
Motors power supply	230 Vac	230 Vac	230 Vac	24 Vdc	24 Vdc	24 Vdc	24 Vdc
Power supply	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
Swing gates	X	X	X	X			X
Sliding gates	X	X	X	X			
Overhead doors	X	X	X	X	X		
Sectional doors							
Barriers	X	X	X	X		X	
Bollards	X	X	X	X			
Rolling shutters	X	X	X				
Awnings and shutters	X	X	X				
swing blinds							
Open		X (*)		X (*)		X	
Close		X (*)		X (*)		X	
Start	X	X	X	X	X	X	X
Pedestrian	X	X		X			X
Stop	X	X	X	X	X	X	X
Force adjustment	X	X	X	X	X	X	X
Slow downs	X	X	X	X	X	X	X
Anticrushing				X	X	X	X
Safety inputs	X	X	X	X	X	X	X
Photo inputs	X	X	X	X	X	X	X
Limit switches	4	4	2	4	2	2	
Encoder							X
Time logic	X	X	X	X	X	X	X
Type of programming	ANALOG	DIGITAL	ANALOG	DIGITAL	ANALOG	DIGITAL	ANALOG
Self-learning/Learning							X
Electric-lock	X	X	X	X	X		X
Battery back-up				X	X	X	X
Embedded radio receiver							X
IP rating	55	55	55	55	55	55	55

\* Optional from settings

\*\* On PASS operators with encoder only

\*\*\* Selectable on safety input

\*\*\*\* embedded feature

	SE24	SC380	SR100	SR302	SR2	SC131	SC230E	ROAD E	TAIMEN	MARTIN
	1	1	1	1	1	1	1	4	1	1
	24 Vdc	230 Vac - 230/400 Vac Trifase	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	24 Vdc	230 Vac
	230 Vac	400Vac/T	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
		X								
	X	X				X	X			
		X								
		X							X	
		X								
		X						X		
		X	X	X	X					
					X					X
										X
		X	X	X				X		X
		X	X	X				X		X
	X	X	X	X	X	X	X	X	X	
	X	X				X	X		X	
	X	X	X	X(*)		X	X	X	X	
	X					X	X	X	X	
	X					X	X	X	X	
	X	X(**)					X	X(*)	X	
	X	X	X	X(*)		X	X	X	X	
	X	X	X	X	X	X	X	X	X	
		2	X(***)			X(****)	X(****)	X		
	X	X(**)					X			
		X	X	X	X	X	X	X	X	X
	DIGITAL	DIGITAL	ANALOG	ANALOG	ANALOG	ANALOG	ANALOG	DIGITAL	DIGITAL	ANALOG
	X			X		X	X		X	X
							X(*)			
	X								X	
	X		X	X	X	X			X	
	ND	55	55	55	55	ND	ND	55	ND	ND



ACCESSORIES.

124



REMOTE CONTROLS — **MAKO - VINCI** PAGE 126

MANAGER REMOTE CONTROLS — **DTC - DRC** PAGE 128

FLASHLIGHT SYSTEM — **DSL** PAGE 130

PHOTOCELLS - KEY SELECTORS - SUPPORT COLUMNS — **DC** PAGE 132

Ø 60 PHOTOCELLS - Ø 60 KEY SELECTORS - SUPPORT COLUMNS — **DG** PAGE 136

SAFETY DEVICES — **CMK** PAGE 138

OTHER ACCESSORIES — **OTHER ACCESSORIES** PAGE 140



## ACCESSORIES.

### 126 MAKO

Innovative electronics made with the highest technologic standards to always grant reliability, safety and signal power, thanks to the HPA system (High Protection Algorithm)!

Available also with MANAGER electronics for an evolved management of the access, that cannot be cloned! MAKO with MANAGER, the safety binomial.

MAKO: the new way of using the most advanced technology.



### VINCI

VINCI is the new 2-channel miniaturized remote control. A size of just 40mm x 12mm for an elegant and lightweight device, only 12gr. That fits comfortably in your pocket, or tied to a key ring or in your handbag!

Equipped with HPA technology, VINCI is also a safe product. It fully complies with the latest regulations in the field of radio frequency.

Thanks to its latest generation electronic board, VINCI is truly high-performance and easy to use.





**433 MHZ REMOTE CONTROLS AND RADIO RECEIVERS**



**MAKO**  
4 channels rolling code remote control,  
with 433 MHz frequency

Pack of 1 pc  
Code **AU03100**

Pack of 40 pc  
Code **AU04200**



**VINCI**  
Rolling Code Remote Control, 2 channels,  
frequency 433 MHz

Pack of 1 pc  
Code **AU03300**

Pack of 50 pc  
Code **AU03350**



**DRS 4334**  
4 channels stand alone  
receiver for containers  
model DRR1000, DRR2000  
and DSL2000

Pack of 1 pc  
Code **AU02810**



**DRS 4332**  
2 channels plug-in  
receiver board  
for control units

Pack of 1 pc  
Code **AU02910**



**DRS 4331**  
Stand alone universal coding  
1 channel radio receiver  
42x48xH25 mm

Pack of 1 pc  
Code **AU02540**



**DRS 4335**  
2 Channels  
universal receiver

Pack of 1 pc  
Code **AU02570**



**DRS 4336**  
Universal 2-channel receiver –  
115-230Vac power supply

Pack of 1 pc  
Code **AU02580**

**868 MHZ REMOTE CONTROLS AND RADIO RECEIVERS**



**MAKO**  
Radiocomando Rolling Code, 4 canali, frequenza 868 MHz

Pack of 1 pc  
Code **AU03200**

Pack of 40 pc  
Code **AU04300**



**DRS 8684**  
4 channels stand alone  
receiver for containers  
model DRR1000, DRR2000  
and DSL2000

Pack of 1 pc  
Code **AU02840**



**DRS 8682**  
2 channels plug-in  
receiver board  
for control units

Pack of 1 pc  
Code **AU02940**



**DRS 8681**  
Stand alone universal coding  
1 channel radio receiver  
42x48xH25 mm

Pack of 1 pc  
Code **AU02530**





## ACCESSORIES.

### 128 **MANAGER**

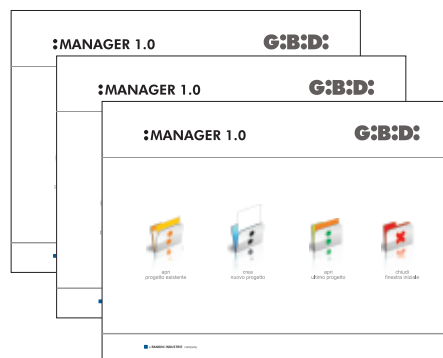
The programmer easy to use that allows the complete management of all the installations made with MANAGER series devices.

The possibility to manage the system by PC makes it easy to use and flexible.

The solution offered by GIBIDI to all customers who want to make the installation their own domain.

The system programming is done in WIRELESS technology.

MANAGER allows the user to program transmitting and receiving devices both at radio frequency and at transponder and to manage functionality, customization, authorisation, modification and also the innovatory system anti-cloning always in safety modality (ROLLING-CODE).



**433 MHZ REMOTE CONTROLS**



**MAKO**

4 channels rolling code remote control, with 433 MHz frequency

Pack of 1 pc  
Code **AU03100**

Pack of 40 pc  
Code **AU04200**

**433 MHZ RADIO RECEIVERS**



**DRC 4334**

4 channels stand alone receiver for containers model DRR1000, DRR2000 and DSL2000

Pack of 1 pc  
Code **AU02820**



**DRC 4332**

2 channels plug-in receiver board for control units

Pack of 1 pc  
Code **AU02930**

**PROGRAMMER**



**MANAGER**

Programming handheld that allows complete management of all the installations made with the MANAGER series devices

Pack of 1 pc  
Code **AS05150**

**ACCESSORIES**



**DCT 200**  
TRANSPONDER  
(rolling code)  
transmission device

Pack of 20 pc  
Code **AU03030**



**DCT 300**  
TRANSPONDER  
(fix code)  
transmission device

Pack of 20 pc  
Code **AU03035**



**DCT 400**  
TRANSPONDER  
(fix code) card  
transmission device

Pack of 20 pc  
Code **AU03070**



**DCX 100**  
TRANSPONDER  
receiver for  
DCT100-200-300-400

Pack of 1 pc  
Code **AU05000**



## ACCESSORIES.

### 130 DSL

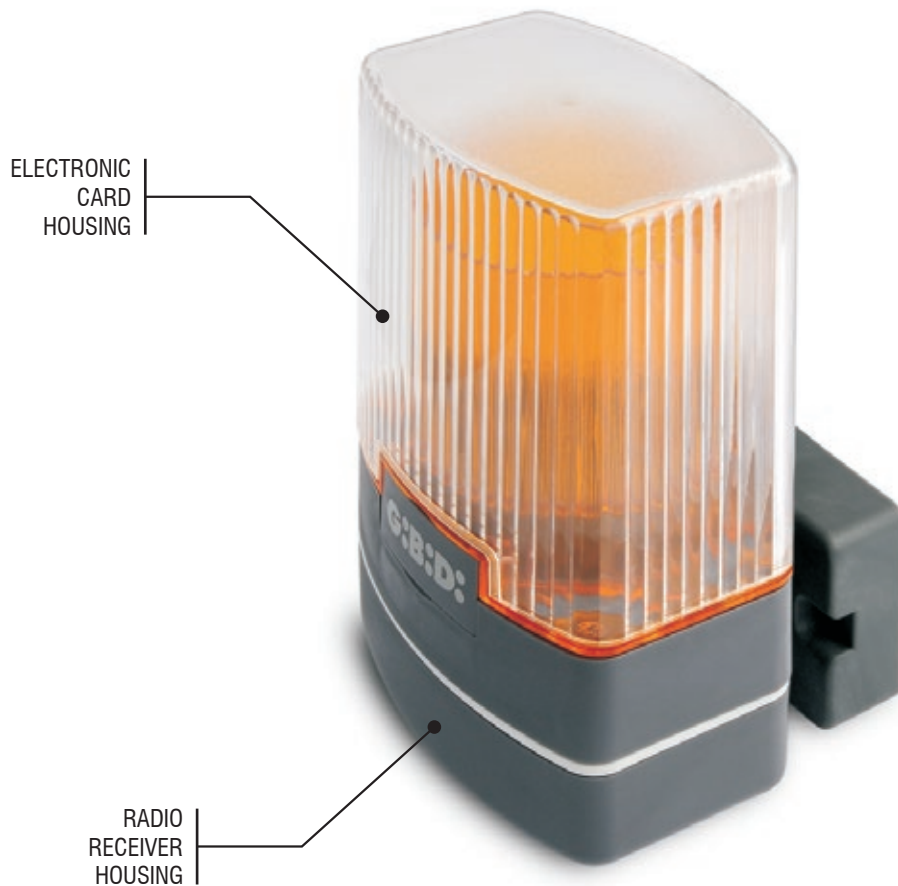
Yet another joy of modern technology and intelligent design applied to a flashlight.

Thanks to its modularity and extremely easy installation, the radio receiver and antenna are quickly integrated into one single product.

All you have to do is choose the type of flashlight and your product is complete.

If you decide to use the built-in radio receiver, you can store the transmitters simply by using the controls on the case.

DSL: the new hallmark of your automatic gate.





**DSL70750**  
Complete flashing  
lamp device  
12-24-115-230V  
Code **70750**



**DRR1000**  
External IP55 housing  
for receiver boards  
Code **AU02800**



**DRR2000**  
Receiver boards housing  
(not IP proof)  
Code **AU02600**

**ACCESSORIES**



**AU2750**  
LED spare flashing lamp card  
(12-24-115-230V)



**70187**  
433 MHz antenna  
with 4 m cable

**INSTALLATION LAY-OUT**



WALL-MOUNTED



ROTATING BASE



PILLAR-MOUNTED



## ACCESSORIES.

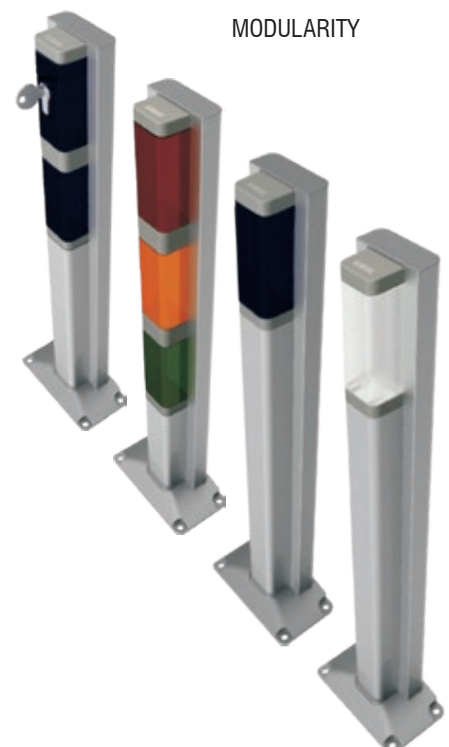
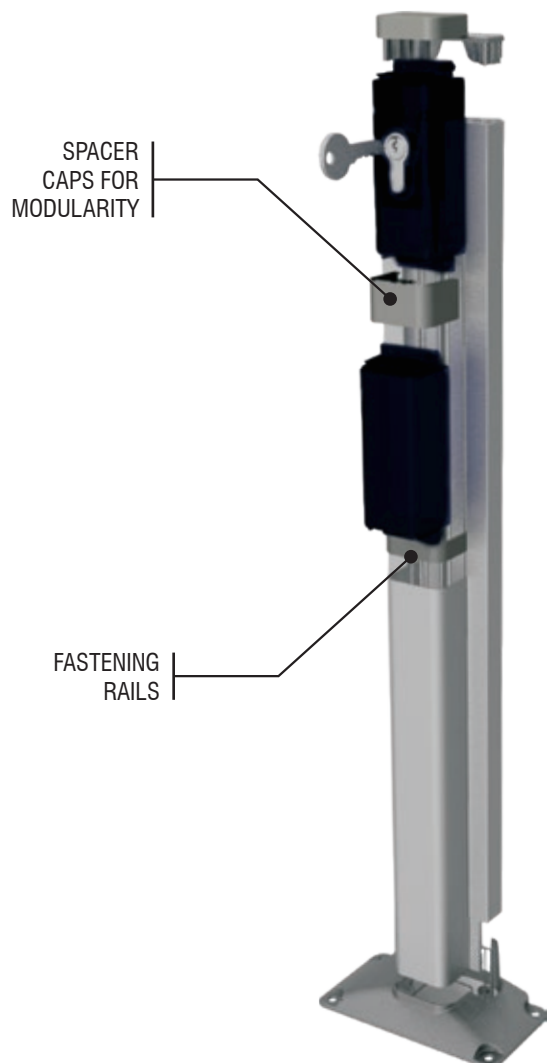
132 DC

The new range of GIBIDI accessories, posts, photocells and wall-mounted key selectors.

A range designed to be adaptable to any kind of installation or aesthetic requirement, a patented system that includes technology, design and easy installation.

A modular system that allows easy setting up and maintenance.

The perfect solution to complete your automatic entrance.





**DCF180**  
Pair of synchronized photocells,  
180° rotation (12/24Vdc-ac)  
max range 30 m • IP54

Pack of 1 pc  
Code **AU02250**



**DCF180D**  
Pair of synchronized digital photocells  
(max synchron. 16 pairs),  
180° rotation (12/24Vdc-ac)  
max range 30 m • IP54

Pack of 1 pc  
Code **AU02010**



**DCF180DB**  
Pair of synchronized digital photocells  
with battery powered transmitter  
(batteries included), 180° rotation  
(12/24Vdc-ac) max range 20 m • IP54

Pack of 1 pc  
Code **AU02020**



**DCS100**  
Wall-mounted key selector  
with 3 keys • IP54

Pack of 1 pc  
Code **AU01940**



**DCS200**  
Wall-mounted key selector  
with Led light point with 3 keys • IP54

Pack of 1 pc  
Code **AU01950**



**DCS300**  
Wall-mounted wireless key selector  
with 3 keys • IP54

Pack of 1 pc  
Code **AU01960**



**DCD300**  
Keypad with card reader, vandal-proof,  
surface-mounted, IP66, 2 relays, 999 codes  
/ keys, 12-28 Vac-dc with 2m cable

Pack of 1 pc  
Code **AU02201**



**AU03071**  
User card for DCD300

Pack of 1 pc  
Code **AU03071**



**AU03072**  
User tag for DCD300

Pack of 1 pc  
Code **AU03072**





## ACCESSORIES.

134

DC



### DCX100

TRANSPONDER receiver for DCT100-200-300-400. working distance 0 ÷ 20 mm at 125 KHz. Radio transmission on 433 MHz. Power supply 12/24 Vdc-ac. It can be customized with MANAGER technology IP54

Pack of 1 pc  
Code **AU05000**



### DCD100

Keypad for the activation up to 9 channels and 1000 customized codes. Radio transmission on 433 MHz. Power supply 12/24 Vdc-ac or 7,2 V battery. It can be customized with the MANAGER technology IP54

Pack of 1 pc  
Code **AU02100**



### DCT 100

TRANSPONDER (rolling code) transmission device. Enabling frequency 125 KHz. It can be customized with the MANAGER technology

Pack of 20 pc  
Code **AU03040**



### DCT 200

TRANSPONDER (rolling code) transmission device. Enabling frequency 125 KHz. It can be customized with the MANAGER technology

Pack of 20 pc  
Code **AU03030**



### DCT 300

TRANSPONDER (fix code) transmission device. Enabling frequency 125 KHz. It can be customized with the MANAGER technology

Pack of 20 pc  
Code **AU03035**



### DCT 400

TRANSPONDER (fix code) card transmission device. Enabling frequency 125 KHz. It can be customized with the MANAGER technology

Pack of 20 pc  
Code **AU03070**



### DTC 600

TRANSPONDER KEY RING transmission device (Fix code). Enabling frequency 125 KHz

Pack of 1 pc  
Code **AU03074**



**DCL100**  
YELLOW LED light 24 Vdc-ac.  
IP54 (can be used as flashlight  
system)

Pack of 1 pc  
Code **AU02050**



**DCL200**  
RED LED light 24 Vdc-ac.  
IP54

Pack of 1 pc  
Code **AU02060**



**DCL300**  
GREEN LED light 24 Vdc-ac.  
IP54

Pack of 1 pc  
Code **AU02070**



**DCL400**  
WHITE courtesy LED light  
24 Vdc-ac. • IP54

Pack of 1 pc  
Code **AU02090**



**DCA110-1**  
Aluminium column H110 cm  
for a single DCF,DCS  
or DCL device

Pack of 2 pc  
Code **70400**



**DCA110-2**  
Aluminium column H110 cm  
for a double DCF,DCS  
or DCL device

Pack of 2 pc  
Code **70410**



**DCA055-1**  
Aluminium column H55 cm  
for a single DCF or DCL device

Pack of 2 pc  
Code **70420**



**TLED**  
TLED Ø124 mm traffic light

Pack of 1 pc  
Code **AU02096**  
24 V traffic light

Pack of 1 pc  
Code **AU02097**  
230 V traffic light



## ACCESSORIES.

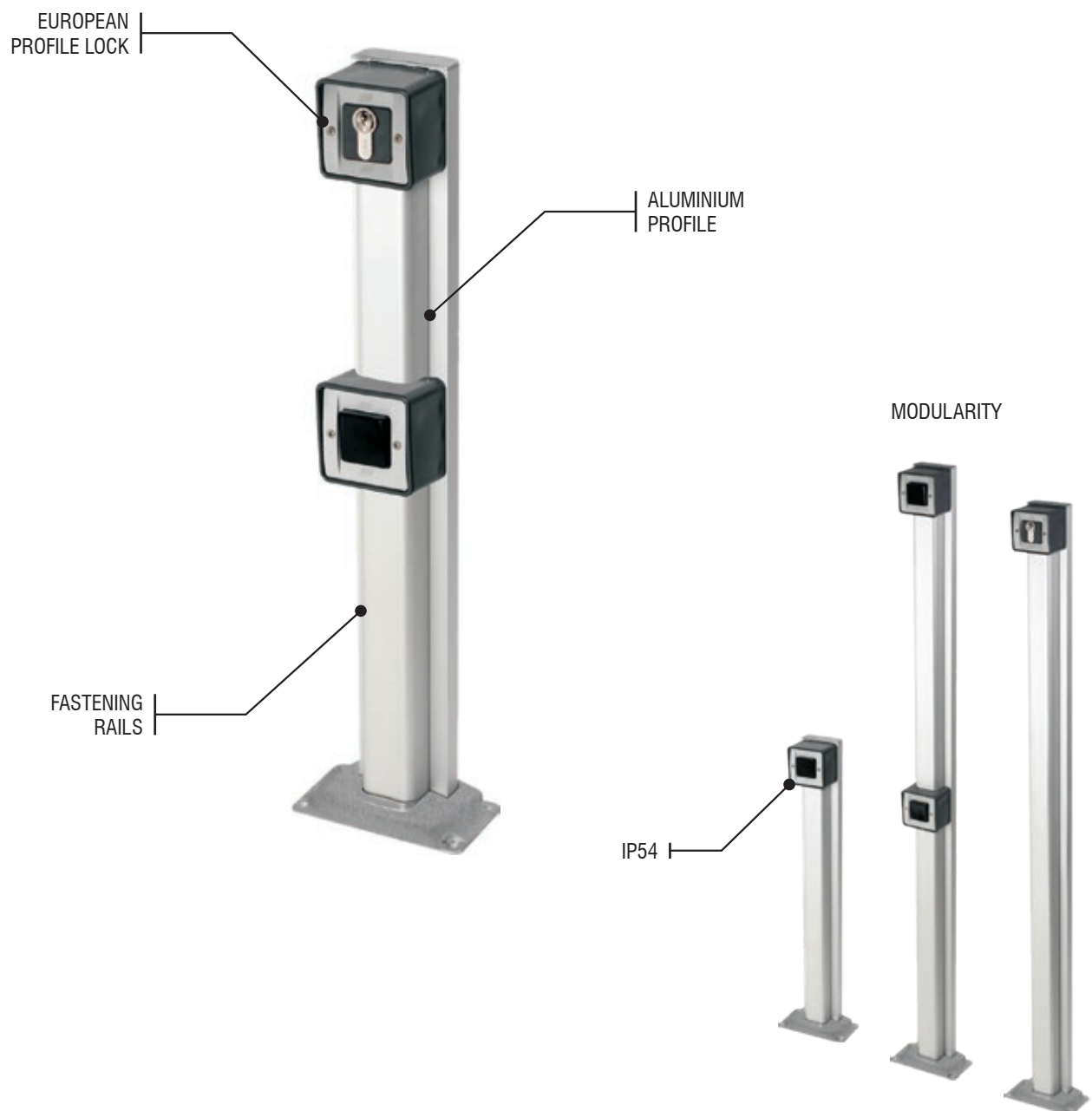
136 DG

The range of GIBIDI accessories, posts, photocells and built-in or wall-mounted selectors.

A range that can be adapted to any kind of installation requirement, that includes technology and ease of installation.

A modular system that allows easy setting up and maintenance.

Another solution to complete your automatic entrance.





**DGF100**  
Pair of Ø60 built-in photocells  
(12/24 Vdc-ac). Maximum range  
30 m • IP54

Pack of 1 pc  
Code **AU02260**



**DGF200**  
Pair of Ø60 wall-mounted photocells  
(12/24 Vdc-ac). Maximum range  
30 m • IP54

Pack of 1 pc  
Code **AU02270**



**DGS100**  
Ø 60 built-in key selector  
with european profile lock  
+ 3 keys • IP54

Pack of 1 pc  
Code **AU01920**



**DGS200**  
Ø 60 wall-mounted key selector  
with european profile lock  
+ 3 keys • IP54

Pack of 1 pc  
Code **AU01930**



**DGA110-1**  
Aluminium column H110 cm  
for a single DGF or DGS device

Pack of 2 pc  
Code **70300**



**DGA110-2**  
Aluminium column H110 cm  
for a double DGF or DGS device

Pack of 2 pc  
Code **70310**



**DGA055-1**  
Aluminium column H55 cm  
for a single DGF device

Pack of 2 pc  
Code **70320**



Galvanised case to be built-in or welded  
for DGS or DGF devices

Pack of 1 pc  
Code **70176**



8K2 CERTIFIED EN 12978 ASSEMBLED SAFETY EDGES



- CM100K8** 8K2 safety edge 1 m
- CM150K8** 8K2 safety edge 1,5 m
- CM170K8** 8K2 safety edge 1,7 m
- CM200K8** 8K2 safety edge 2 m
- CM250K8** 8K2 safety edge 2,5 m

MECHANICAL RUBBER SAFETY EDGES



- CM100M** Mechanical rubber safety edge 1 m
- CM150M** Mechanical rubber safety edge 1,5 m
- CM170M** Mechanical rubber safety edge 1,7 m
- CM200M** Mechanical rubber safety edge 2 m
- CM250M** Mechanical rubber safety edge 2,5 m

TO BE ASSEMBLED EDGES

**S-CMK**  
Rubber and aluminium edge profile  
(price per m.)

**S-CMK200**  
Set for CMK terminal end-caps max 2 m

**S-CMK400**  
Set for CMK terminal end-caps max 4 m

CONTROL CARDS



**SAFE 2/4**  
Control card for edges 2/4 ch



**RB3-T868**  
Radio transmitter for safety edges  
Freq. 868MHz



**RB3-R868**  
Radio Receiver for safety edges  
Freq. 868MHz

**8K2 NO TOUCH CAP ACTIVE SAFETY EDGES**



**8K2 SAFETY EDGES**

With 868 MHz frequency transmitter

- CM100K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L= 1 m
- CM150K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L= 1,5 m
- CM170K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L= 1,7 m
- CM200K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L= 2 m
- CM250K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L= 2,5 m



**CAP-T868**  
CAPTIVE transmitter for external use  
868 MHz frequency

**CAP-R868**  
CAPTIVE receiver for external use  
868 MHz frequency

**AW11290\***  
NO TOUCH inhibition  
magnet KIT

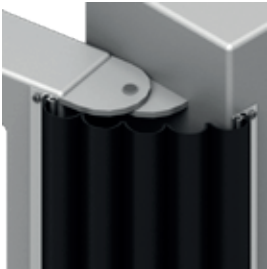
\* Only necessary if you want to have the NO TOUCH function with CAP ACTIVE edges



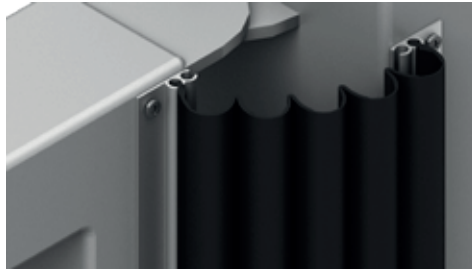


140 ACCESSORIES

GATE FINGER PROTECT



**KBP-05**  
Hand protection edge kit L = 5 m



**KBP-10**  
Hand protection edge kit L = 10 m

ACCESSORIES



**AS05900**  
24 Vdc metallic  
mass detector



**AS05910**  
230 Vac metallic  
mass detector



**AJ00632**  
12 V electric lock with lock  
+ key - counter plate not included



**AJ00642**  
24 V electric lock with lock  
+key- counter plate not included



**AJ70164**  
Counterbushing  
for horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock



**AJ75800**  
Gate warning plate







MARKETING SUPPORT.





**CUT-OFF PRODUCTS  
FOR THE SHOW ROOM**

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**PRODUCTS  
FOR THE SHOW-ROOM**

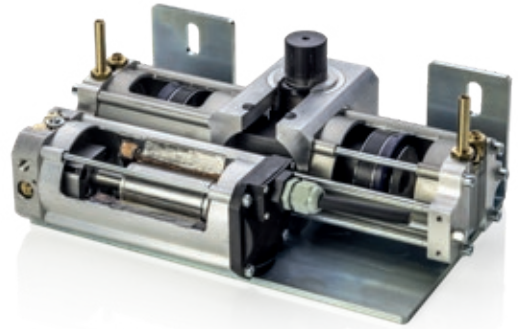
**PAGE  
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CUT-OFF PRODUCTS FOR THE SHOW ROOM



SERRA DEMO



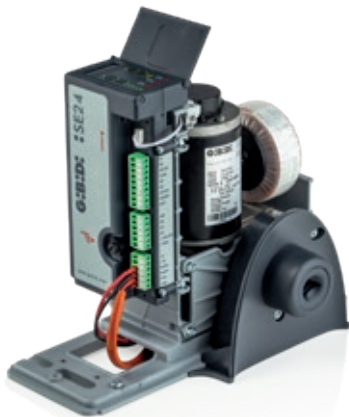
FLOOR DEMO



PASS600 DEMO



PASS1200 DEMO



SL544 DEMO



GROUND DEMO

PRODUCTS FOR THE SHOW-ROOM



ROLL-UP



CATALOGUES



PENS



LEAFLETS



NOTE PADS



CLOTHING



**Enforcement field**

These general conditions discipline all the present and future sales contracts between the parties, except possible dispensations agreed in writing in detail. Possible general conditions of the purchaser will not find enforcement to the future relationships between the parties if they are not accepted explicitly in writing. The acceptance on behalf of the purchaser of GI.BI.DI. offer or order confirmation, no matter how done, implies the enforcement of these general conditions to the sales contract.

The offers done by GI.BI.DI. agents and trade auxiliaries are not binding until they are confirmed by the same company.

**Prices and payments (Export)**

It is understood that the listed prices are ex works, including packaging, except single orders for amounts less than Euro 1.600,00 will be charged of a fixed cost of Euro 80,00, debited in the invoice. GI.BI.DI. reserve the right to modify his own price list at any time giving communication to the purchaser. The prices have to be understood without VAT.

GI.BI.DI. have right - starting from payment's expiry, without necessity of meeting with arrears - to the arrears interests in accordance with the interest tax imposed by E.C.B. to its main refinancing operations, increased by 8 percentage points. In case of delays in payments, GI.BI.DI. have right, besides the remedy above mentioned, to suspend the supplies in progress until outstanding payments' punctual fulfilment. The purchaser has no right to suspend payments, not even in case of objections referring to supplied products.

If the payment has to be done - completely or partially - after the delivery, products continue to belong to GI.BI.DI. until the moment of price's complete payment.

**Orders and deliveries**

The orders will be accepted, by order confirmation, only if sent in writing. Delivery terms are understood indicative in favour of GI.BI.DI. and however with an adequate margin of tolerance. Any responsibility of GI.BI.DI. is excluded for consequential damages deriving from advanced or delayed delivery, total or partial.

**Guarantee**

GI.BI.DI. guarantee the performances of its own manufacturing products only and exclusively with regard to uses, destinations, applications, etc. explicitly indicated. The guarantee is intended to be applied only to GI.BI.DI. components and thus not to the whole project or installation in which they are included. Any other use has to be considered improper and therefore dangerous. In the case the purchaser intends products above mentioned to sale, it will be his own burden and responsibility to let know to his buyers the indications in object.

This guarantee, in commercial relationships or in case of good's sale for professional use, is given in compliance with art. 1512 CC and is restricted to the repair or replacement of the component recognized as defective because of design, material or manufacture defect, referable to GIBIDI, within 24 months from the date of sale or installation, as long as it is duly certified from a valid fiscal document (invoice or receipt note with Transport Document), indicating the data of the products installed (code, series number, etc...). In the absence of these sales documents, GIBIDI will recognize the guarantee of 30 months starting from the production date, excluded the defects deriving from tampering.

Except faults deriving from tampering or facts caused by the same purchaser as wrong installation, modifications or reparations made without GI.BI.DI. authorizations, use, maintenance or conservation not correct.

Possible reparations / substitutions do not extend guarantee's duration. You must consider excluded from guarantee the use of control board equipments and/or control and safety accessories not made by GI.BI.DI., feeding tension's irregularities, use different from what expected or any other cause that cannot be ascribed to GI.BI.DI. These faults' verification lies exclusively within the competence of GI.BI.DI. technicians. Except GI.BI.DI. malice or heavy fault, this one is not answerable for direct, indirect and/or consequential damages deriving to the purchaser from end products (as, for instance, damages for non - use of supplied goods, on behalf of the purchaser and/or the end user).

The guarantee above mentioned takes up and substitutes law guarantees for irregularities and conformities, and excludes any other possible G.I.B.I.D.I. responsibility anyway caused by supplied goods; in particular the purchaser will not be able to claim compensation for damage, price reduction or contract resolution.

The purchaser loses guarantee right if he is in order with payments. Possible claims will have to be made in writing, at expiry penalty, within a maximum term of 8 days from products' receiving date for quality faults or not conformity that the purchaser could note as soon as he receives goods; within 8 days from the discovery of hidden faults or not conformity. When the guarantee is expired, you will not be able to put forward a claim towards G.I.B.I.D.I. Goods shall be forwarded to G.I.B.I.D.I. with transport cost charged to the purchaser and they will send back ex-works

### **Warnings**

The safety and reliability of the systems is warranted by the integral use of G.I.B.I.D.I. components and by observing good working practices and the laws in force. We therefore decline any responsibility due to a lack of respect for these conditions. G.I.B.I.D.I. is not responsible for failure to observe good working practice in the fabrication of the frames to automate and their possible alteration due to use. G.I.B.I.D.I. production must be solely destined to the use for which it was designed. Any other use is therefore considered to be improper and therefore dangerous. G.I.B.I.D.I. reserves the right to modify the technical data without prior notice depending on the product development.

### **Applicable law - Judiciary concerned**

All contracts disciplined by the present general conditions are regulated by Italian Law. For every dispute concerning or anyway connected to the contracts to which the present general conditions are applied G.I.B.I.D.I. Judiciary is exclusively concerned; however the last one will have authority to act at the purchaser Judiciary.





## GET IN TOUCH WITH US

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## FOLLOW US ON









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