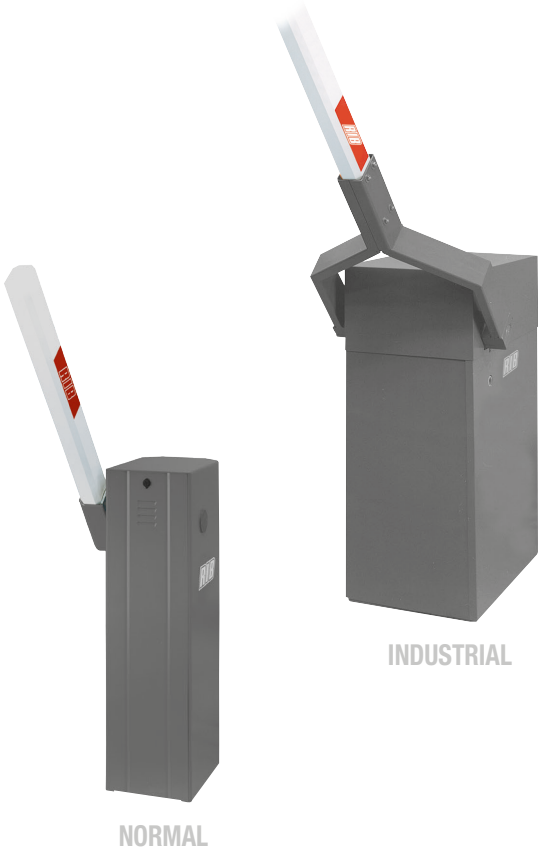


PRESIDENT RAPID HIGHWAY AI NORMAL INDUSTRIAL

AUTOMATIC BARRIERS FROM 3 TO 12 METERS



INDUSTRIAL

NORMAL



HIGHWAY AI



RAPID



PRESIDENT



AUTOMATISMI PER CANCELLI
AUTOMATIC ENTRY SYSTEMS



THE REVOLUTION OF BARRIER CONCEPT

PRESIDENT is a patented product that revolutionizes the concept of automatic barrier. It is provided with a standard magnetic ENCODER that thanks to an in built electronic control board P1 24V, allows the detection of any obstacle that may hit the boom as it moves. The PRESIDENT kit includes a 3 or 4 m long telescopic boom and a ground-embedded base plate.



QUICK INSTALLATION / REDUCED MAINTENANCE

PRESIDENT is fitted with a new type of torsion springs featuring more than 400.000 operating cycles without the need for a periodic balancing check. On the barrier PRESIDENT the end switches are replaced by an ENCODER device needless of any regulation.



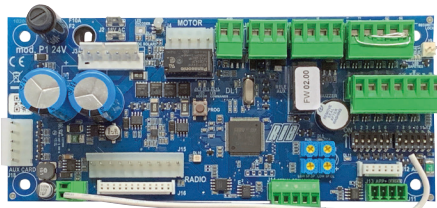
OBSTACLE DETECTION SYSTEM

PRESIDENT is endowed with an obstacle detection device provided with a magnetic ENCODER and movement reversal.

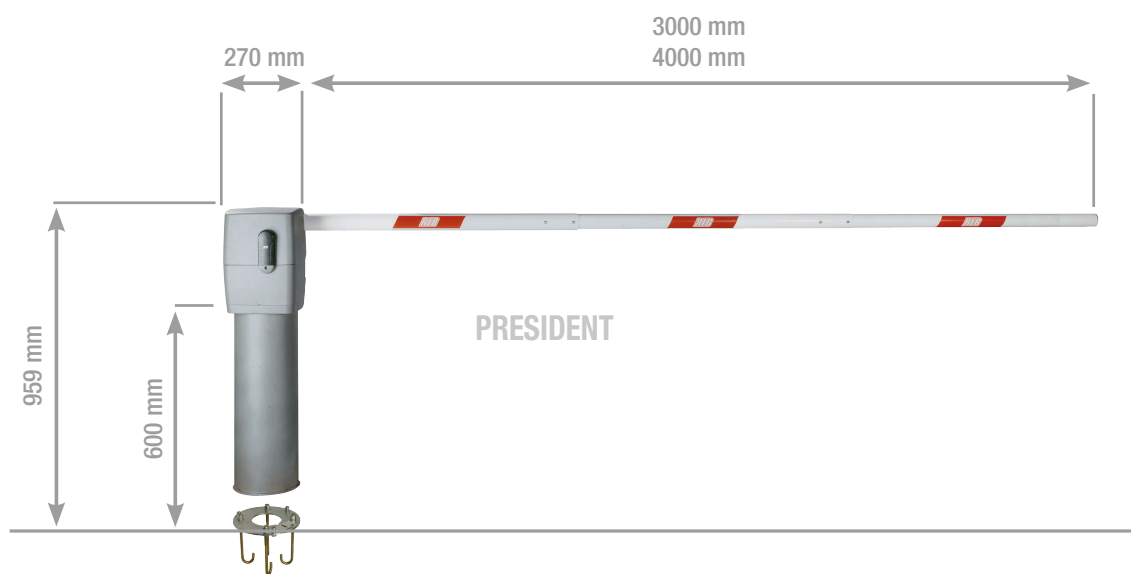
According to EN 60335-2-103 and EN12453:2017 related to automatic barriers, PRESIDENT barrier reverses boom travel in case of obstacle, also without any sensing edge, thanks to its built-in safety system. Furthermore, PRESIDENT decelerates during approach both in opening and closing.

ENDOWED WITH P1 24V-CRX ELECTRONIC CONTROL BOARD

- automatic travel and operating time learning system
- automatic closure
- pre-blinking
- soft start - soft stop
- radio command - step by step (open - stop - close) or automatic (open - close)
- single command - step by step (open - stop - close) or automatic (open - close)
- directional open and close commands (with timer control)
- stop command
- 433 MHz radio module ACG8069 (built-in P1 24V-CRX card) compatible with SUN and SUN-PRO remotes
- PARK feature to control a parking
- BLACK-OUT feature with automatic closure when the power supply returns
- impact sensor to detect obstacle
- continuous operation during power failure (with optional batteries and batteries recharge card)



code AC08084



Measurements in mm

| TECHNICAL DATA | | PRESIDENT 3M | PRESIDENT 4M |
|-----------------------------|----|---------------|--------------|
| Lunghezza max. asta | m | 3 | 4 |
| Coppia max | Nm | 100 | 130 |
| Tempo di apertura | s | 3 | 3,5 |
| Alimentazione | V | 230V~ 50/60Hz | |
| Potenza motore | W | 74 | |
| Assorbimento | A | 0,32 | |
| Peso operatore | kg | 44 | |
| Grado di protezione | IP | 44 | |
| Cicli consigliati al giorno | n° | 600 | |
| Servizio | % | 100 | |
| Cicli consecutivi garantiti | n° | 600 | 400 |
| Temperatura di lavoro | °C | -10* ÷ +55 | |





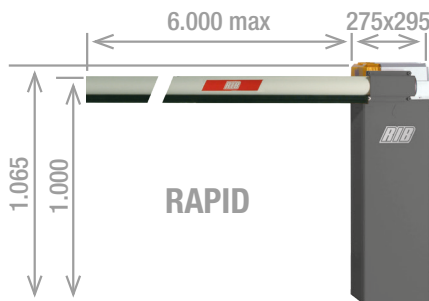
RAPID RAPID METAL



RAPID boom arm with LED



code AC08086



Measurements in mm

* up to -30°C fitted with PROBE (code ACG4666)

RAPID S - RAPID N

RAPID barrier is an electro-mechanical operator that meets the needs of rapid and intensive access control in car parks, residential complexes, etc.

It is available in S or N versions with boom length ranging from 3 to 6 m, in order to suit most of access sizes and needs.

S version is suitable for very intensive use and only for 3 m boom arm.

N version is recommended for 5 or 6 m boom.

Casing is treated with thermosetting painting and cataphoresis treatment.

RAPID is equipped with a blinker on the top of the casing.

A convenient release key is provided for unblocking barrier in case of blackout.

Round shape boom provides more dependability in windy areas.

Rubber profile (ACG7090) can be easily fitted, also together with safety photocell strip (ACG8610).

All RAPID barriers are also available in METAL outfit, with metal top and without blinker, giving the barrier more sturdiness in case of vandalism.

Casing of METAL barrier can be opened only with provided personalised key.

The new boom arm illuminated with LED lights is available for all RAPID barriers.

Thanks to a special feeder (ABP1001) it is possible to set different modes of flashing, on and off modes:

- Lights always on
- Lights always on and flashing
- Lights on when the motor is activated
- Lights on and flashing when the motor is activated
- Lights on when the barrier is closed and still, and on and flashing when the barrier is active and the boom arm is moving.
- Lights on or lights on and flashing only when the barrier is closed.

A light sensor can be connected to the Feeder to decide the LED lights functioning according to the light of the day.

The boom arm can carry the LED lights in the upper part, and the rubber profile ACG7090 or the hanging racks ACG8290 - ACG8291 in lower part.

ENDOWED WITH P1 230V-CRX ELECTRONIC CONTROL BOARD

- automatic travel and operating time learning system with electric limit switches
- automatic closure
- pre-blinking
- adjustable low speed in approaching
- radio command - step by step (open - stop - close) or automatic (open - close)
- single command - step by step (open - stop - close) or automatic (open - close)
- directional open and close commands (with timer control)
- stop command
- 433 MHz radio module ACG8069 (built-in P1-CRX card) compatible with SUN and SUN-PRO remotes
- PARK feature to control a parking
- BLACK-OUT feature with automatic closure when the power supply return
- safety strip self-test as required by EN12453
- built-in motor heater (with optional PROBE ACG4666)

| TECHNICAL DATA | | RAPID S | RAPID N |
|-----------------------------|----|---------------|---------|
| Lunghezza max. asta | m | 3÷4 | 3÷6 |
| Coppia max | Nm | 80 | 155 |
| Tempo di apertura | s | 3 | 6 |
| Alimentazione | V | 230V~ 50/60Hz | |
| Potenza motore | W | 240 | 242 |
| Assorbimento | A | 1 | 1,07 |
| Peso operatore | kg | 62 | |
| Grado di protezione | IP | 54 | |
| Cicli consigliati al giorno | n° | 1200 | 1500 |
| Servizio | % | 100 | |
| Cicli consecutivi garantiti | n° | 1200 | 1500 |
| Temperatura di lavoro | °C | -10 ÷ +55 | |



FORK TYPE SUPPORT COLUMN
ACG9130G



COLUMN with ELECTROMAGNETIC LOCK
ACG8073G



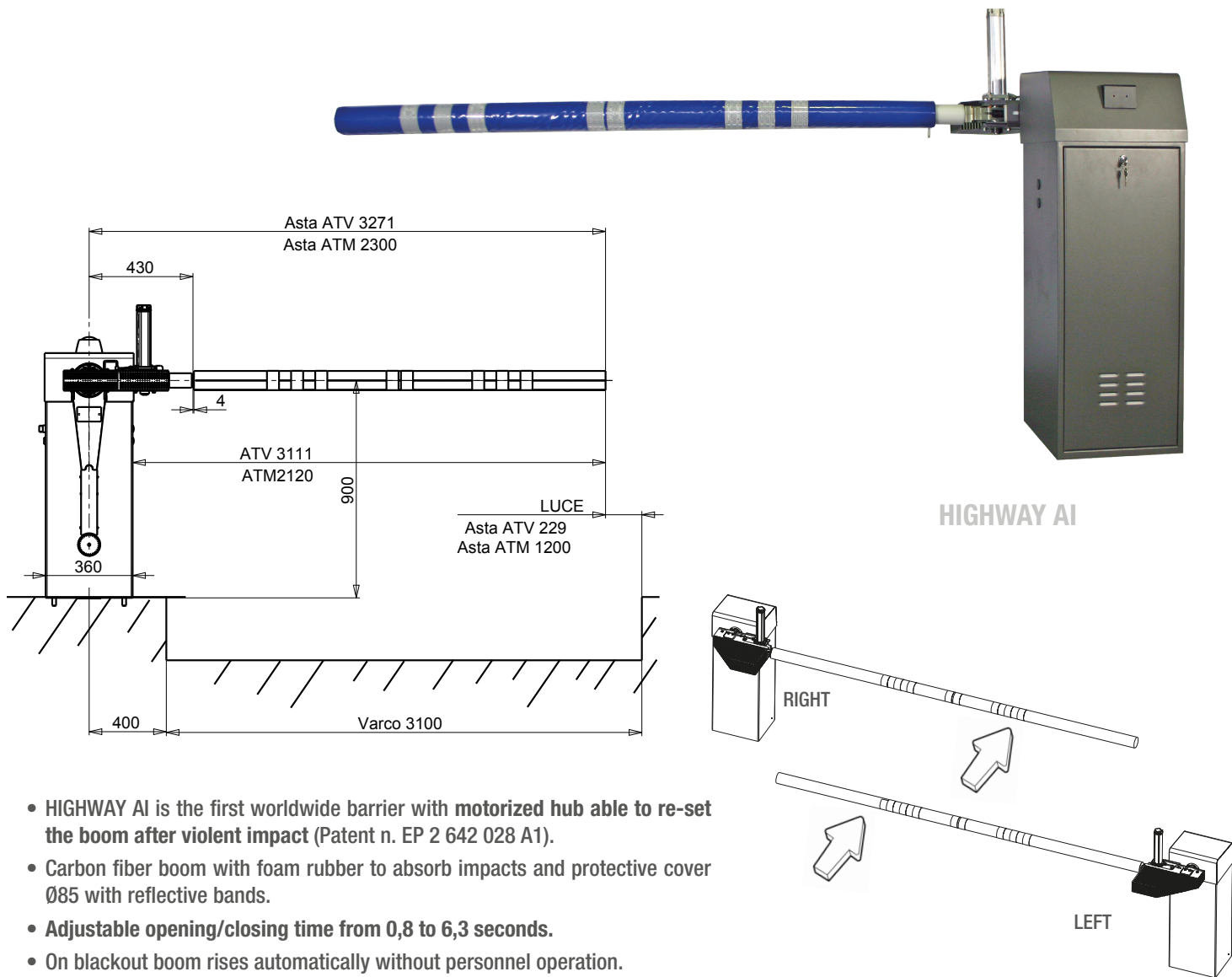
TELESCOPIC HANGING SUPPORT
ACG8285



ARTICULATED BOOM ARM
ACG8223 (3 m Ø 80)
ACG8224 (4 m Ø 80)
ACG8225 (5 m Ø 80)



HANGING RACK
ACG8290B (2 m)
ACG8291B (3 m)

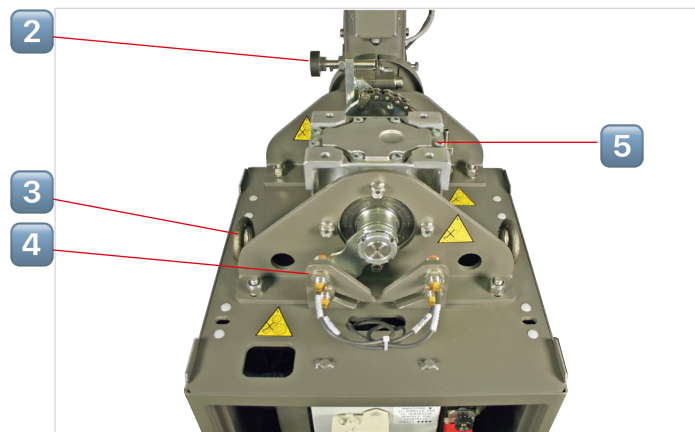
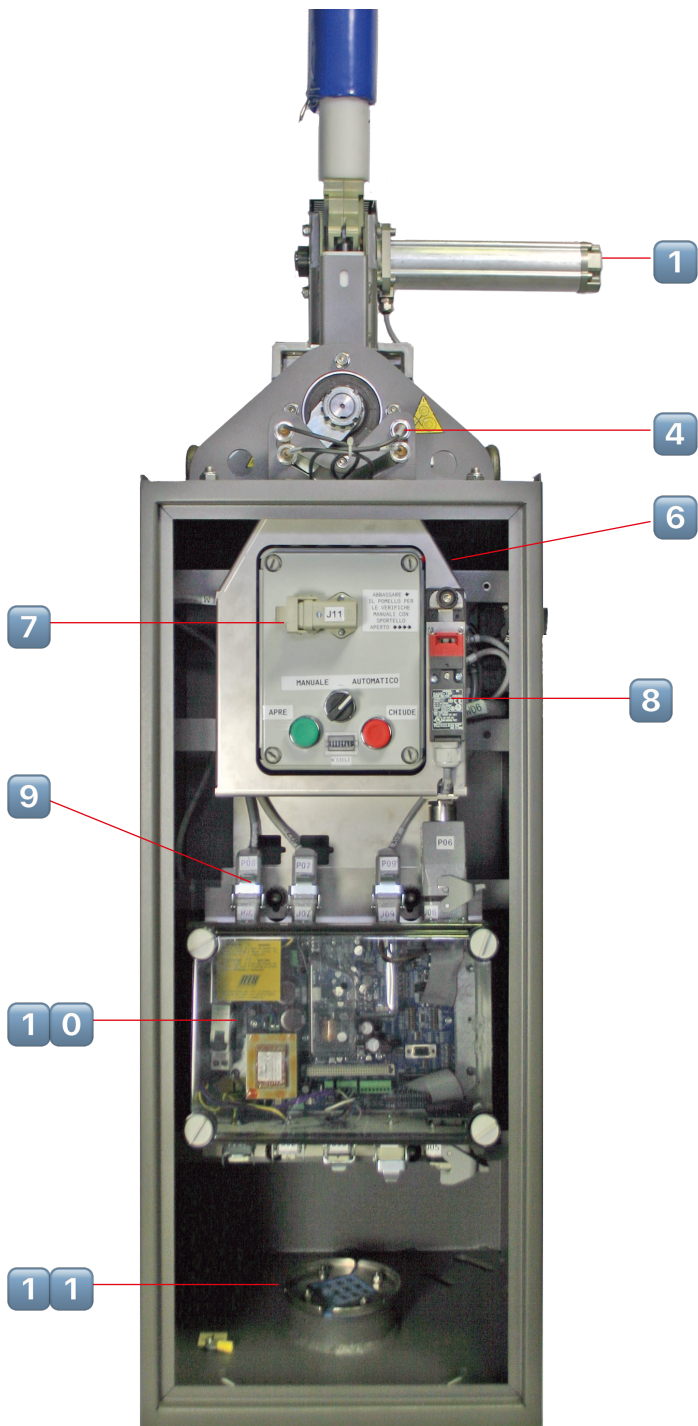
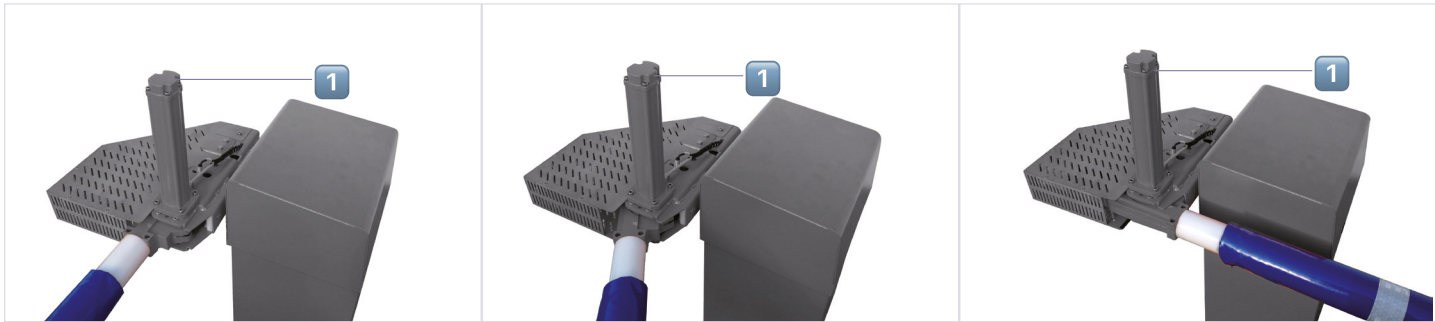


HIGHWAY AI

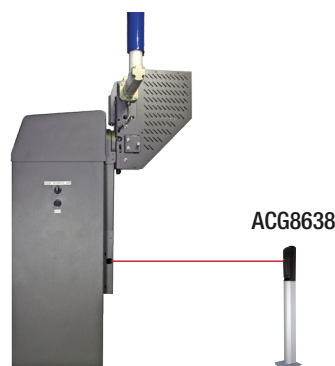
- HIGHWAY AI is the first worldwide barrier with **motorized hub able to re-set the boom after violent impact** (Patent n. EP 2 642 028 A1).
- Carbon fiber boom with foam rubber to absorb impacts and protective cover Ø85 with reflective bands.
- **Adjustable opening/closing time from 0,8 to 6,3 seconds.**
- On blackout boom rises automatically without personnel operation.
- **Control panel configurable by software supplied as standard**
- **Barrier manageable remotely via RS485 port and software supplied as standard**
- **Barrier status visible remotely via RS485 port and software supplied as standard**
- It is balanced with one compression spring adjusted in RIB and tested for 5.000.000 cycles.
- Maintenance to be carried out every 2.000.000 cycles.
- HIGHWAY is 220V 3-phase 100% Service barrier able to manage cars traffic on highways tool stations and on big parkings.
- Electronic brake in opening and closing approaching.
- Complete control panel and Inverter to maintain closed position of the boom and manage the boom movement.
- The control panel permits connection of metallic mass detectors, open/close separate commands, photobeams, automatic closure managed by switch, alarm siren, etc.
- Complete of proximity sensors to manage speed changes, end travel and detection of boom disengage followed by an impact.
- Electromechanical cycles counter
- All components are equipped with cables and quick connectors to ensure installation and restart in the shortest possible time.
- Degree of protection IP 54
- Structure in steel protected with cataphoresis and thermosetting paint treatments.

FOR BOOM UP TO 3 m LONG - OPENS IN 0,8÷6,3 SECONDS

| | |
|---------|--|
| AA50601 | HIGHWAY AI - Right |
| AA50602 | HIGHWAY AI - Left |
| ACG8620 | Carbon boom with antishock rubber foam and Ø85mm protective cover L=2m |
| ACG8621 | Carbon boom with antishock rubber foam and Ø85mm protective cover L=2,5m |
| ACG8622 | Carbon boom with antishock rubber foam and Ø85mm protective cover L=3m |
| ACG8637 | AI siren |
| ACG8638 | Photocells NOVA with column for HIGHWAY AI |



1. Motorized system to re-engage the boom
2. Mechanical stoppers
3. Eye bolts for carrying the column
4. Proximity sensors
5. Ventilated geared motor with 100% service
6. Spring balancing rod
7. Junction box with open / close control and manual / automatic switch
8. Safety switch
9. Quick connectors
10. Control panel with inverter, main switch and RS485 connector
11. Built-in passage for electric cables





NORMAL

NORMAL barrier is an electromechanical operator for heavy duty applications, with boom up to 7 meters long.
It is maintenance-free.
A convenient handle is provided for unlocking and operating the barrier in case of blackout.



INDUSTRIAL

INDUSTRIAL barrier is an electromechanical operator with boom up to 12 meters long.
A convenient crank is provided for unlocking and operating the barrier in case of blackout.



FORK TYPE SUPPORT COLUMN
ACG9130G



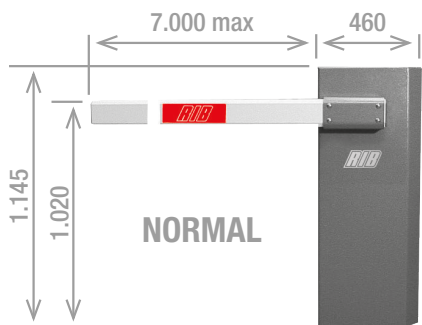
COLUMN with ELECTROMAGNETIC LOCK
ACG8073G for NORMAL with round boom
ACG8070G for NORMAL and INDUSTRIAL with octagonal boom



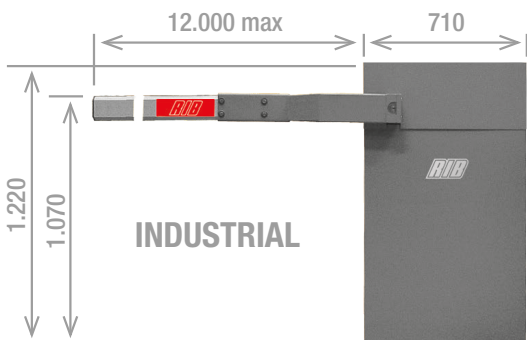
TELESCOPIC HANGING
SUPPORT
ACG8285



HANGING RACK
ACG8290B (2 m)
ACG8291B (3 m)



NORMAL



INDUSTRIAL

Measurements in mm

| TECHNICAL DATA | | NORMAL | INDUSTRIAL |
|-----------------------------|----|---------------|------------|
| Lunghezza max. asta | m | 6÷7 | 7,5÷12 |
| Coppia max | Nm | 300 | 800 |
| Tempo di apertura | s | 11 | 16 |
| Alimentazione | V | 230V~ 50/60Hz | |
| Potenza motore | W | 130 | 800 |
| Assorbimento | A | 0,6 | 2,42 |
| Peso operatore | kg | 145 | 210 |
| Grado di protezione | IP | 55 | |
| Cicli consigliati al giorno | n° | 1000 | 300 |
| Servizio | % | 100 | |
| Cicli consecutivi garantiti | n° | 1000 | 35 |
| Temperatura di lavoro | °C | -10* ÷ +55 | |

* up to -30°C if PROBE code ACG4666 is installed





Products in this catalog allow the installation of automatic gates fully harmonized with European standards in force

This product has been completely developed and built in Italy

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= **ISO 9001** =

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