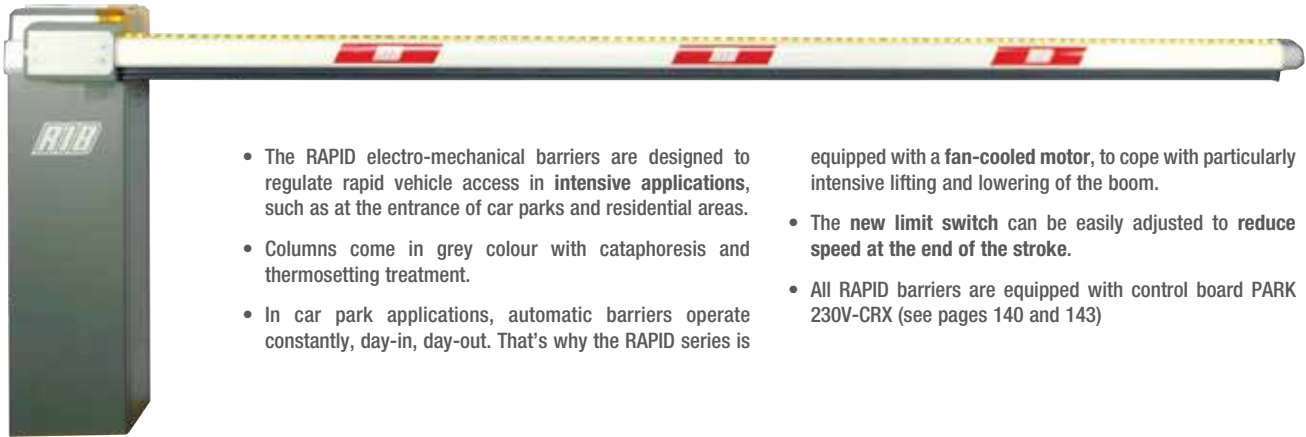


RAPID

AUTOMATIC BARRIER
FOR ACCESS CONTROL



- The RAPID electro-mechanical barriers are designed to regulate rapid vehicle access in **intensive applications**, such as at the entrance of car parks and residential areas.
- Columns come in grey colour with cataphoresis and thermosetting treatment.
- In car park applications, automatic barriers operate constantly, day-in, day-out. That's why the RAPID series is equipped with a **fan-cooled motor**, to cope with particularly intensive lifting and lowering of the boom.
- The **new limit switch** can be easily adjusted to **reduce speed at the end of the stroke**.
- All RAPID barriers are equipped with control board PARK 230V-CRX (see pages 140 and 143)

FOR BOOM UP TO 4 m LONG - OPENS IN 2,5 ÷ 3 SECONDS

AA50070F	RAPID S	(needs base plate, springs, 3 or 4 m boom arm, hub and stickers)
AA50079M	RAPID S METAL**	"
AA50066	RAPID S ICE***	"

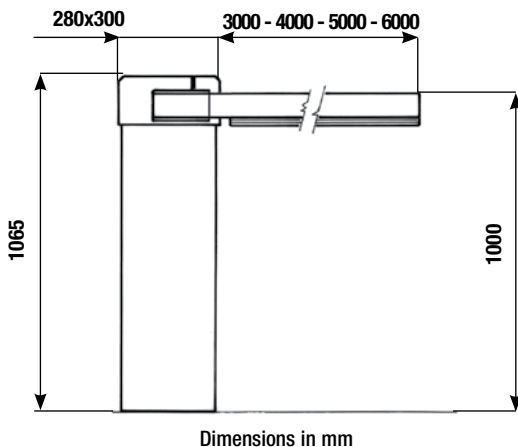
FOR BOOM UP TO 5 - 6* m LONG - OPENS IN 6 SECONDS

AA50080F	RAPID N	(needs base plate, springs, 3, 4, 5 or 6 m boom arm, hub and stickers)
AA50083M	RAPID N METAL**	"
AA50085	RAPID N ICE***	"

* On condition not to hang any extra weights to the boom (plates, hanging racks, hanging support, etc.)

**METAL: RAPID barrier with metal lid and lock on the casing

*** ICE: With special lubricants and PROBE to keep the motor warm (for immediate starts with temperatures as low as -30°C)



10 x

TECHNICAL DATA		RAPID S	RAPID N
Max. boom length	m	3-4	3-4-5/6*
Opening time	s	3	6
Max. torque	Nm	80	155
Power supply	V		
Power absorbed	A	1	1,07
Actuator weight	kg	62	
Protection grade	IP	54	
Operating temperature	°C	-10 ÷ +55	
Daily cycles suggested		1200	1500
Service	%	100	
Nr of consecutive cycles guar.		1200	1500

* On condition not to hang any extra weights to the boom (plates, hanging racks, hanging supports, etc.)



ACCESSORIES FOR RAPID



ACG8110 BASE PLATE



ACG8526 STICKERS
for Ø60mm and Ø80mm profile
12 pieces



ACG8010 DUO CARD
to simultaneously manage all
safety and command accessories
for two RAPID



ACG8290B HANGING RACK L=2m
Real lenght 1,63m

ACG8291B HANGING RACK L=3m
Real lenght 2,55m

max 200 daily cycles



**ACG9130G FORK TYPE SUPPORT
COLUMN** for all boom arms



**ACG8285 TELESCOPIC HANGING
SUPPORT**
with height regulation (not for
RAPID PARK and 6 m boom arm)



**ACG8073G COLUMN WITH
ELECTROMAGNETIC LOCK**
with DEGAUSSER CARD and
transformer



ACG4666 PROBE
for PARK 230V to keep the motor
warm (for prompt start at low
temperatures)



ACQ9080 1 Relay Card
to obtain a 1 second contact or
supplies for 3 minutes a 40W max
light



ACQ9081 3 Relay Card
to manage courtesy light, traffic
light, electromagnetic lock with
PARK 230V



**ACG9060 METALLIC MASS
DETECTOR**
to open with vehicles
1 channel - 230 Vac



**ACG9063 METALLIC MASS
DETECTOR**
to open with vehicles
1 channel - 12÷24 Vac/dc



**ACG9064 METALLIC MASS
DETECTOR**
to open with vehicles
2 channels - 12÷24 Vac/dc



**ACG9067 LOOP 6M
PRE-ASSEMBLED**
perimeter 2 x 1+15m of cable



**ACG9068 LOOP 10M
PRE-ASSEMBLED**
perimeter 3 x 2+15m of cable



ACG8611 FOTOCOSTA 2.0 EN12978
(panel inside plastic box and stoppers, plus cables and circuits)
Add rubber profile ACG7090

TECHNICAL DATA

- Max. length of profile = 5 m
- IP 55 electric circuit container
- 12Vdc power supply (D+/D- terminals) - 24Vac/dc(A*/A terminals)
- Modulated transmitter with infrared diode



ACG7090 RUBBER PROFILE
with double chamber.
per m
BATCH OF 50 m



- Thanks to a special feeder (ABP1001) it is possible to set different modes of flashing, on and off modes:
 1. Lights always on
 2. Lights always on and flashing
 3. Lights on when the motor is activated
 4. Lights on and flashing when the motor is activated
 5. Lights on when the barrier is closed and still, and on and flashing when the barrier is active and the boom arm is moving.
 6. 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 ACG8290B - ACG8291B in lower part.

Example of standard configuration:	
1 AA50070 F	RAPID S
1 ACG8110	BASE PLATE
1 ACG8526	STICKERS
1 ACG1494	RAPID LED BOOM ARM L = 3000
1 ACG1500	LED TUBE
1 ABP1001	POWER FEEDER for LED LIGHTS
1 ACG1515	FIXING HUB for RAPID LED BOOM
3 ACG8640	BALANCING SPRING Ø4mm
1 ACG6052	SUN 2CH transmitter
1 ACG8032	FIT SLIM photocell
1 ACG8065	PAIR OF COLUMNS for FIT SLIM
TOTAL	

BOOMS WITH LEDS FOR RAPID BARRIERS

ACG1494	RAPID LED BOOM ARM L = 3000 with LED protection
ACG1495	RAPID LED BOOM ARM L = 4000 with LED protection
ACG1496	RAPID LED BOOM ARM L = 5000 with LED protection

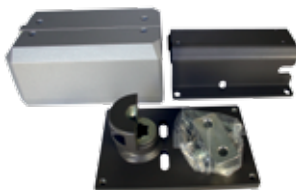


ABP1001 POWER FEEDER for LED LIGHTS



ACG1500 LED TUBE

7.5m LONG COIL



ACG1515 FIXING HUB for RAPID LED BOOM



BALANCING SPRING
(see table)

- ACG8640 Ø 4 mm
- ACG8641 Ø 4,5 mm
- ACG8642 Ø 5 mm
- ACG8643 Ø 5,5 mm



ACG1510 LIGHT SENSOR for LED LIGHTS

TABLE FOR SPRING SELECTION OF A 3 m - LONG BOOM WITH LED TUBE (RAPID S and RAPID N)

BOOM TYPE	CODE	SPRINGS TO ORDER
Boom with LED tube	ACG1494	n. 3 ACG8640
Boom with LED tube and hanging support	ACG1494+ACG8285	n. 2 ACG8641
Boom with LED tube and fotocosta unit	ACG1494+ACG7090+ACG8611	n. 2 ACG8641
Boom with LED tube and magnet	ACG1494+ACG8073G	n. 2 ACG8641
Boom with LED tube and fotocosta unit+hanging support	ACG1494+ACG7090+ACG8611+ACG8285	n. 2 ACG8641
Boom with LED tube and fotocosta unit+magnet	ACG1494+ACG7090+ACG8611+ACG8073G	n. 2 ACG8641
Boom with LED tube and hanging rack	ACG1494+ACG8291B	n. 2 ACG8641
Boom with LED tube and hanging rack+magnet	ACG1494+ACG8291B+ACG8073G	n. 2 ACG8641 + n. 1 ACG8640
Boom with LED tube and hanging rack+hanging support	ACG1494+ACG8291B+ACG8285	n. 2 ACG8641 + n. 1 ACG8642

TABLE FOR SPRING SELECTION OF A 4 m - LONG BOOM WITH LED TUBE (RAPID S e RAPID N)

BOOM TYPE	CODE	SPRINGS TO ORDER
Boom with LED tube	ACG1495	n. 3 ACG8641
Boom with LED tube and hanging support	ACG1495+ACG8285	n. 3 ACG8641
Boom with LED tube and fotocosta unit	ACG1495+ACG7090+ACG8611	n. 3 ACG8641
Boom with LED tube and magnet	ACG1495+ACG8073G	n. 3 ACG8641
Boom with LED tube and fotocosta unit+hanging support	ACG1495+ACG7090+ACG8611+ACG8285	n. 2 ACG8641 + n. 1 ACG8642
Boom with LED tube and fotocosta unit+magnet	ACG1495+ACG7090+ACG8611+ACG8073G	n. 2 ACG8641 + n. 1 ACG8642
Boom with LED tube and hanging rack	ACG1495+ACG8290B+ACG8290B	n. 3 ACG8641
Boom with LED tube and hanging rack+magnet	ACG1495+ACG8290B+ACG8290B+ACG8073G	n. 1 ACG8641 + n. 2 ACG8642
Boom with LED tube and hanging rack+hanging support	ACG1495+ACG8290B+ACG8290B+ACG8285	n. 1 ACG8641 + n. 2 ACG8642

TABLE FOR SPRING SELECTION OF A 5 m - LONG BOOM WITH LED TUBE (RAPID N only)

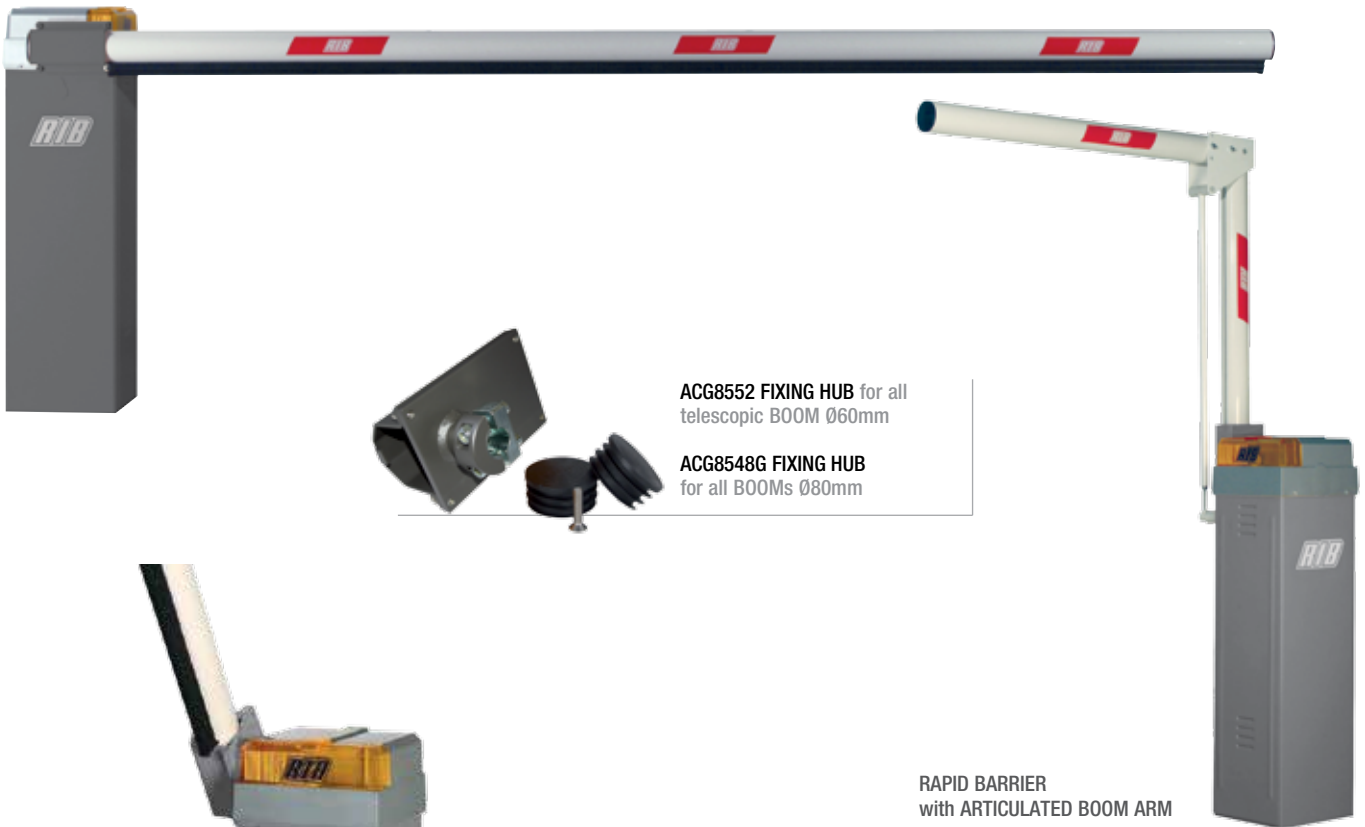
BOOM TYPE	CODE	SPRINGS TO ORDER
Boom with LED tube	ACG1496	n. 3 ACG8643
Boom with LED tube and hanging support	ACG1496+ACG8285	n. 3 ACG8643
Boom with LED tube and fotocosta unit	ACG1496+ACG7090+ACG8611	n. 3 ACG8643
Boom with LED tube and magnet	ACG1496+ACG8073G	n. 3 ACG8643
Boom with LED tube and fotocosta unit+hanging support	ACG1496+ACG7090+ACG8611+ACG8285	n. 3 ACG8643
Boom with LED tube and fotocosta unit+magnet	ACG1496+ACG7090+ACG8611+ACG8073G	n. 3 ACG8643
Boom with LED tube and hanging rack	ACG1496+ACG8290B+ACG8291B	n. 3 ACG8643
Boom with LED tube and hanging rack+magnet	ACG1496+ACG8290B+ACG8291B+ACG8073G	n. 3 ACG8643
Boom with LED tube and hanging rack+hanging support	ACG1496+ACG8290B+ACG8291B+ACG8285	n. 3 ACG8643

BOOMS FOR RAPID BARRIERS

ACG8517	TELESCOPIC RIB BOOM ARM L=3m Ø60mm	(needs the hub ACG8552) in 3 pieces – with caps
ACG8501	RIB BOOM ARM L=3m Ø 80mm	(needs fixing hub ACG8548G)
ACG8223	RIB ARTICULATED BOOM ARM L=3m Ø80mm *	(needs fixing hub ACG8548G)
ACG8518	TELESCOPIC RIB BOOM ARM L=4m Ø60mm	(needs the hub ACG8552) in 4 pieces – with caps
ACG8502	RIB BOOM ARM L=4m Ø 80mm	(needs the hub ACG8548G)
ACG8224	RIB ARTICULATED BOOM ARM L=4m Ø80mm *	(needs the hub ACG8548G)
ACG8522	TELESCOPIC RIB BOOM ARM L=5m Ø80mm	(needs the hub ACG8548G) in 3 pieces – with caps
ACG8503	RIB BOOM ARM L=5m Ø80mm	(needs the hub ACG8548G)
ACG8225	RIB ARTICULATED BOOM ARM L=5m Ø80mm *	(needs the hub ACG8548G)
ACG8523	TELESCOPIC RIB BOOM ARM L=6m Ø80mm	(needs the hub ACG8548G) in 3 pieces – with caps
ACG8506	RIB BOOM ARM L=6 m Ø80mm	(only for RAPID N - needs the hub ACG8548G)

* ARTICULATED BOOM ARMS are SUITABLE ONLY FOR RAPID S and RAPID N and must be ordered specifying:

- distance between floor and ceiling (H max = 3 m).
- mounting side of the boom arm.



Example of standard configuration:		
1 AA50070 F	RAPID S	
1 ACG8110	BASE PLATE	
1 ACG8526	STICKERS	
1 ACG8501	BOOM ARM L=3m Ø 80mm	
1 ACG8548G	FIXING HUB for BOOMs Ø80mm	
3 ACG8640	BALANCING SPRING Ø4mm	
1 ACG6052	SUN 2CH transmitter	
1 ACG8032	FIT SLIM photocell	
1 ACG8065	PAIR OF COLUMNS for FIT SLIM	
TOTAL		

TABLE FOR SPRING SELECTION OF RAPID S - RAPID N L=3m BOOM

BOOM TYPE	CODE	SPRINGS TO ORDER
Ø60mm RIB telescopic boom	ACG8517	n. 2 ACG8640
Ø80mm RIB Boom	ACG8501	n. 3 ACG8640
Ø80mm RIB Articulated boom	ACG8223	n. 2 ACG8641
Ø80mm RIB Boom and hanging support	ACG8501+ACG8285	n. 2 ACG8641
Ø80mm RIB Boom and fotocosta unit	ACG8501+ACG7090+ACG8611	n. 2 ACG8641
Ø80mm RIB Boom and fotocosta unit+hanging support	ACG8501+ACG7090+ACG8611+ACG8285	n. 2 ACG8641
Ø80mm RIB Boom and hanging rack	ACG8501+ACG8291B	n. 2 ACG8641
Ø80mm RIB Boom and hanging rack+magnet	ACG8501+ACG8291B+ACG8073G	n. 2 ACG8641
Ø80mm RIB Boom and hanging rack+hanging support	ACG8501+ACG8291B+ACG8285	n. 2 ACG8641
Ø80mm RIB Boom and fotocosta unit+magnet	ACG8501+ACG7090+ACG8611+ACG8073G	n. 2 ACG8641
Ø80mm RIB Boom and magnet	ACG8501+ACG8073G	n. 2 ACG8641

TABLE FOR SPRING SELECTION OF RAPID S - RAPID N L=4m BOOM

BOOM TYPE	CODE	SPRINGS TO ORDER
Ø60mm RIB telescopic boom	ACG8518	n. 3 ACG8640
Ø80mm RIB Boom	ACG8502	n. 1 ACG8640+n. 2 ACG8641
Ø80mm RIB Articulated boom	ACG8224	n. 3 ACG8641
Ø80mm RIB Boom and hanging support	ACG8502+ACG8285	n. 3 ACG8641
Ø80mm RIB Boom and fotocosta unit	ACG8502+ACG7090+ACG8611	n. 3 ACG8641
Ø80mm RIB Boom and magnet	ACG8502+ACG8073G	n. 3 ACG8641
Ø80mm RIB Boom and fotocosta unit+hanging support	ACG8502+ACG7090+ACG8611+ACG8285	n. 2 ACG8641+n. 1 ACG8642
Ø80mm RIB Boom and fotocosta unit+magnet	ACG8502+ACG7090+ACG8611+ACG8073G	n. 2 ACG8641+n. 1 ACG8642
Ø80mm RIB Boom and hanging rack	ACG8502+ACG8290B+ACG8290B	n. 3 ACG8641
Ø80mm RIB Boom and hanging rack+magnet	ACG8502+ACG8290B+ACG8290B+ACG8073G	n. 2 ACG8642+n. 1 ACG8641
Ø80mm RIB Boom and hanging rack+hanging support	ACG8502+ACG8290B+ACG8290B+ACG8285	n. 1 ACG8641+n. 2 ACG8642

TABLE FOR SPRING SELECTION OF RAPID N L=5m BOOM

BOOM TYPE	CODE	SPRINGS TO ORDER
Ø80mm RIB telescopic boom	ACG8522	n. 2 ACG8641+n. 1 ACG8642
Ø80mm RIB Boom	ACG8503	n. 2 ACG8642+n. 1 ACG8641
Ø80mm RIB Articulated boom	ACG8225	n. 2 ACG8642+n. 1 ACG8643
Ø80mm RIB Boom and hanging support	ACG8503+ACG8285	n. 2 ACG8642+n. 1 ACG8643
Ø80mm RIB Boom and fotocosta unit	ACG8503+ACG7090+ACG8611	n. 2 ACG8642+n. 1 ACG8643
Ø80mm RIB Boom and magnet	ACG8503+ACG8073G	n. 2 ACG8642+n. 1 ACG8643
Ø80mm RIB Boom and hanging rack	ACG8503+ACG8290B+ACG8291B	n. 2 ACG8643+n. 1 ACG8642
Ø80mm RIB Boom and hanging rack+magnet	ACG8503+ACG8290B+ACG8291B+ACG8073G	n. 3 ACG8643
Ø80mm RIB Boom and hanging rack+hanging support	ACG8503+ACG8290B+ACG8291B+ACG8285	n. 3 ACG8643
Ø80mm RIB Boom and fotocosta unit+hanging support	ACG8503+ACG7090+ACG8611+ACG8285	n. 3 ACG8643
Ø80mm RIB Boom and fotocosta unit+magnet	ACG8503+ACG7090+ACG8611+ACG8073G	n. 3 ACG8643

TABLE FOR SPRING SELECTION OF RAPID N L=6m BOOM

BOOM TYPE	CODE	SPRINGS TO ORDER
Ø80mm RIB telescopic boom	ACG8523	n. 2 ACG8643+n. 1 ACG8642
Ø80mm RIB Boom	ACG8506+ACG8548G	n. 3 ACG8643



BALANCING SPRING
(see table)

- ACG8640 Ø 4 mm
- ACG8641 Ø 4,5 mm
- ACG8642 Ø 5 mm
- ACG8643 Ø 5,5 mm