

# 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.
- THE RAPIDS ARE EQUIPPED WITH THE P1-CRX CONTROL PANEL CAPABLE OF PERFORMING NUMEROUS USEFUL FUNCTIONS (SEE PAGES 166 AND 176).
- THE RAPID INVS ARE EQUIPPED WITH THE J-INV 1P-CRX INVERTER PANEL.



## FOR BOOM UP TO 4 M LONG - OPENS IN 2,5 ÷ 3 S

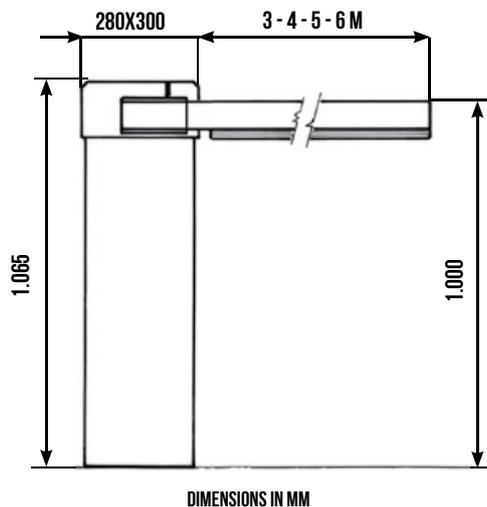
AA50130	RAPID S	(NEEDS BASE PLATE, SPRINGS, 3 OR 4 M BOOM ARM, HUB AND STICKERS)
AA50135	RAPID S INV WITH J-INV 1P-CRX	"

## FOR BOOM UP TO 5 - 6\* M LONG - OPENS IN 6 S

AA50140	RAPID N	(NEEDS BASE PLATE, SPRINGS, 3, 4, 5 OR 6* M BOOM ARM, HUB AND STICKERS)
AA50145	RAPID N INV WITH J-INV 1P-CRX	"

\* ON CONDITION THAT NO EXTRA WEIGHT IS ADDED ON THE BOOM ARM (STOP PLATES, HANGING RACKS, HANGING SUPPORT, FOTOCOSTA, ETC.)

GAR0047	WARRANTY EXTENSION 4 YEARS FOR RAPID
GAR0048	WARRANTY EXTENSION 7 YEARS FOR RAPID



10 X



TECHNICAL DATA		RAPID S	RAPID N
MAX. BOOM LENGHT	M	3-4	3-4-5/6*
OPENING TIME	S	3	6
MAX. TORQUE	NM	80	155
POWER SUPPLY	V		
CURRENT DRAW	A	1	1,07
ACTUATOR WEIGHT	KG		62
PROTECTION GRADE	IP		54
OPERATING TEMPERATURE	°C		-10 ÷ +55
DAILY CYCLES SUGGESTED		1200	1500
SERVICE NR OF CONSECUTIVE CYCLES GUAR.	%		100
		1200	1500

\* ON CONDITION THAT NO EXTRA WEIGHT IS ADDED ON THE BOOM ARM (STOP PLATES, HANGING RACKS, HANGING SUPPORT, FOTOCOSTA, ETC.)



## ACCESSORIES FOR RAPID



**ACG8110 BASE PLATE**



**ACG8526 STICKERS**  
FOR Ø60 MM AND Ø80 MM PROFILE  
12 PIECES



**ACG91306 FIXED FORK TYPE BOOM ARM SUPPORT**  
FOR ALL BOOM ARMS



**ONLY FOR RAPID N**  
**ACG8290B HANGING RACK L=2M**  
REAL LENGHT 1,63M  
**ACG8291B HANGING RACK L=3 M**  
REAL LENGHT 2,55 M  
MAX 200 DAILY CYCLES



**ONLY FOR RAPID N**  
**ACG8073G COLUMN WITH ELECTROMAGNETIC LOCK WITH DEGAUSSER CARD AND TRANSFORMER (NOT FOR 6 M BOOM ARM)**



**ONLY FOR RAPID N**  
**ACG8285 TELESCOPIC HANGING SUPPORT WITH HEIGHT REGULATION (680÷1060MM) (NOT FOR 6 M BOOM ARM)**



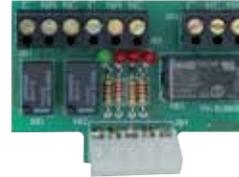
**ACG4666 PROBE**  
FOR P1-CRX TO KEEP THE MOTOR WARM (FOR PROMPT START AT LOW TEMPERATURES)



**ACG8081 CARDS FOR THE SYNCHRONIZATION OF COMMANDS AND SAFETY DEVICES OF 2 RAPID OPERATING TOGETHER - SYNCHRONIZATION CAN ONLY BE ACTIVATED WITH RIB GATE APP**



**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 P1-CRX



**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 PRE-ASSEMBLED LOOP 6 M**  
PERIMETER 2 X 1+15 M OF CABLE



**ACG9068 PRE-ASSEMBLED LOOP 10 M**  
PERIMETER 3 X 2+15 M OF CABLE



**ACG8121 SHIELD**  
MECHANICAL SHOCKPROOF PROTECTION.





**ACG8611 FOTOCOSTA 2.0**  
 (PANEL INSIDE PLASTIC BOX AND STOPPERS, PLUS CABLES AND CIRCUITS)  
 ADD RUBBER PROFILE ACG7090  
 TYPE C SAFETY DEVICE



**ACG7090 RUBBER PROFILE**  
 WITH DOUBLE CHAMBER.  
 PER M  
 BATCH OF 50 M

**TECHNICAL DATA**

- MAX. LENGTH OF PROFILE = 5 M
- IP 55 ELECTRIC CIRCUIT CONTAINER
- 12 V DC - 24 V AC/DC POWER SUPPLY
- MODULATED TRANSMITTER WITH INFRARED DIODE

FOR WHOLE BOOM ARMS ONLY, NOT FOR TELESCOPIC BOOM ARMS

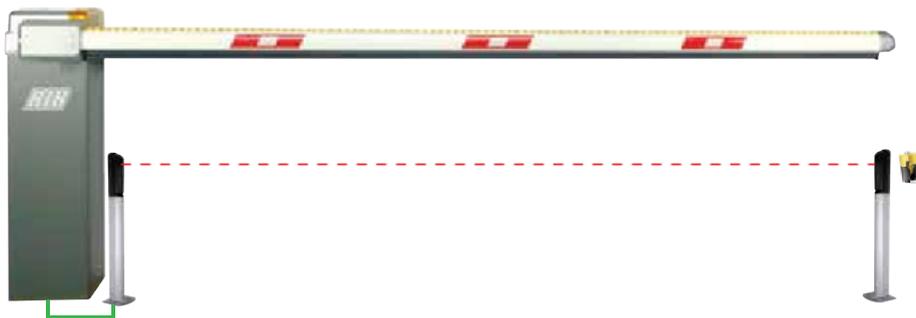


**ACG8047 NOVA WIRELESS (NO/NC)**  
 INFRARED SIGNAL RANGE = 15÷30M  
 INFRARED SIGNAL ADJUSTABLE 180°  
 SYNCHRONISM UP TO 2 PAIRS MANAGES 2  
 NO/NC 8.2KΩ SAFETY EDGES IP 44 -  
 12/24V AC/DC AA BATTERIES NOT  
 INCLUDED



**ACG8039 PAIR OF COLUMNS**  
 H = 0,5 M  
 FOR NOVA

IT IS A TYPE D, EN 12978, EN 13849-1 PL "C" CAT.2 SAFETY DEVICE IF MANAGED BY A RIB PC BOARD EQUIPPED WITH SAFETIES SELF-TEST.



**ACG9494 LASERIB DETECTOR FOR**  
 OPENING AND SAFETY TYPE E - 10 M  
 X 10 M  
 SEE PAGE 154



## BOOMS FOR RAPID BARRIERS

ACG8501	RIB BOOM ARM L=3 M Ø 80 MM	(NEEDS FIXING HUB ACG8548G)
ACG8517	TELESCOPIC RIB BOOM ARM L=3 M Ø60 MM	(NEEDS THE HUB ACG8552) IN 3 PIECES – WITH CAPS
ACG8223	RIB ARTICULATED BOOM ARM L=3 M Ø80 MM *	(NEEDS FIXING HUB ACG8548G)
ACG8502	RIB BOOM ARM L=4 M Ø 80 MM	(NEEDS THE HUB ACG8548G)
ACG8518	TELESCOPIC RIB BOOM ARM L=4 M Ø60 MM	(NEEDS THE HUB ACG8552) IN 4 PIECES – WITH CAPS
ACG8224	RIB ARTICULATED BOOM ARM L=4 M Ø80 MM *	(NEEDS THE HUB ACG8548G)
ACG8503	RIB BOOM ARM L=5 M Ø80 MM	(NEEDS THE HUB ACG8548G)
ACG8522	TELESCOPIC RIB BOOM ARM L=5 M Ø80 MM	(NEEDS THE HUB ACG8548G) IN 3 PIECES – WITH CAPS
ACG8225	RIB ARTICULATED BOOM ARM L=5 M Ø80 MM *	(NEEDS THE HUB ACG8548G)
ACG8506	RIB BOOM ARM L=6 M Ø80 MM	(ONLY FOR RAPID N - NEEDS THE HUB ACG8548G)
ACG8523	TELESCOPIC RIB BOOM ARM L=6 M Ø80 MM	(NEEDS THE HUB ACG8548G) IN 3 PIECES – WITH CAPS

\* ARTICULATED BOOM ARM: IN THE ORDER IT MUST BE SPECIFIED THE DISTANCE BETWEEN THE FLOOR AND THE CEILING, BUT ALSO THE SIDE OF THE CABINET WHERE YOU WANT TO INSTALL IT.

MAXIMUM HEIGHT ALLOWED FOR ALL ARTICULATED BOOM ARMS H MAX = 3 M.

MINIMUM HEIGHT ALLOWED FOR ARTICULATED BOOM ARM ACG8223 3 M - H MIN = 2 M / ACG8224 4 M - H MIN = 2.5 M / ACG8225 5 M - H MIN = 3 M



ACG8548G FIXING HUB FOR ALL BOOMS Ø80 MM  
ACG8552 FIXING HUB FOR ALL TELESCOPIC BOOM Ø60 MM

RAPID BARRIER  
WITH ARTICULATED BOOM ARM

### EXAMPLE OF STANDARD CONFIGURATION:

1	AA50130	1	RAPID S
ACG8110		1	BASE PLATE
ACG8526		1	STICKERS
ACG8502		1	BOOM ARM L = 4 M Ø 80 MM
ACG8548G		1	FIXING HUB FOR BOOMS Ø80 MM
ACG8640		2	BALANCING SPRING Ø 4 MM
ACG8641		1	BALANCING SPRING Ø 4,5 MM
ACG6052		1	SUN 2CH TRANSMITTER
ACG8032B		1	FIT SLIM PHOTOCCELL
ACG8065			PAIR OF COLUMNS FOR FIT SLIM
			TOTAL

### SPRING SELECTION TABLE FOR 3 M LONG BOOM ON RAPID S / N

BOOM TYPE	CODE	SPRINGS TO ORDER N. 2 AC68640 N.	FOR RAPID S -
Ø60 MM RIB TELESCOPIC BOOM	AC68517	3 AC68640 * N. 2 AC68641 N. 2	N RAPID S - N
Ø80 MM RIB BOOM	AC68501	AC68641 N. 2 AC68641 + N. 1	RAPID S - N
Ø80 MM RIB ARTICULATED BOOM	AC68223	AC68640 N. 2 AC68641 N. 2	RAPID N RAPID
Ø80 MM RIB BOOM AND HANGING SUPPORT	AC68501+AC68285	AC68641 + N. 1 AC68640 N. 2	S - N RAPID N
Ø80 MM RIB BOOM AND FOTOCOSTA UNIT	AC68501+AC67090+AC68611	AC68641 + N. 1 AC68640 N. 2	RAPID N RAPID
Ø80 MM RIB BOOM AND FOTOCOSTA UNIT+HANGING SUPPORT	AC68501+AC67090+AC68611+AC68285	AC68641 + N. 1 AC68640 N. 2	N RAPID N
Ø80 MM RIB BOOM AND HANGING RACK	AC68501+AC68291B	AC68641	RAPID N RAPID
Ø80 MM RIB BOOM AND HANGING RACK+MAGNET	AC68501+AC68291B+AC68073G		N
Ø80 MM RIB BOOM AND HANGING RACK+HANGING SUPPORT	AC68501+AC68291B+AC68285		
Ø80 MM RIB BOOM AND FOTOCOSTA UNIT+MAGNET	AC68501+AC67090+AC68611+AC68073G		
Ø80 MM RIB BOOM AND MAGNET	AC68501+AC68073G		

### SPRING SELECTION TABLE FOR 4 M LONG BOOM ON RAPID S / N

BOOM TYPE	CODE	SPRINGS TO ORDER N.3 AC68640 N. 1	FOR RAPID S -
Ø60 MM RIB TELESCOPIC BOOM	AC68518	AC68640 + N. 2 AC68641 * N. 2	N RAPID S - N
Ø80 MM RIB BOOM	AC68502	AC68641 + N. 1 AC68642 N. 2	RAPID S - N
Ø80 MM RIB ARTICULATED BOOM	AC68224	AC68641 + N. 1 AC68642 N. 2	RAPID N RAPID
Ø80 MM RIB BOOM AND HANGING SUPPORT	AC68502+AC68285	AC68641 + N. 1 AC68642 N. 2	S - N RAPID N
Ø80 MM RIB BOOM AND FOTOCOSTA UNIT	AC68502+AC67090+AC68611	AC68641 + N. 1 AC68642 N. 2	RAPID N RAPID
Ø80 MM RIB BOOM AND MAGNET	AC68502+AC68073G	AC68641 + N. 1 AC68642 N. 3	N RAPID N
Ø80 MM RIB BOOM AND FOTOCOSTA UNIT+HANGING SUPPORT	AC68502+AC67090+AC68611+AC68285	AC68641 N. 3 AC68642 N. 3	RAPID N RAPID
Ø80 MM RIB BOOM AND FOTOCOSTA UNIT+MAGNET	AC68502+AC67090+AC68611+AC68073G	AC68642	N
Ø80 MM RIB BOOM AND HANGING RACK	AC68502+AC68290B+AC68290B		
Ø80 MM RIB BOOM AND HANGING RACK+MAGNET	AC68502+AC68290B+AC68290B+AC68073G		
Ø80 MM RIB BOOM AND HANGING RACK+HANGING SUPPORT	AC68502+AC68290B+AC68290B+AC68285		

### SPRING SELECTION TABLE FOR 5 M LONG BOOM ON RAPID N

BOOM TYPE	CODE	AC68522 AC68503 AC68225 AC68503+AC68285	SPRINGS TO ORDER N. 3 AC68642 N. 3
Ø80 MM RIB TELESCOPIC BOOM	AC68503+AC67090+AC68611	AC68503+AC68073G	AC68642 * N. 1 AC68642 + N. 2
Ø80 MM RIB BOOM	AC68503+AC68290B+AC68291B		AC68643 N. 1 AC68642 + N. 2
Ø80 MM RIB ARTICULATED BOOM	AC68503+AC68290B+AC68291B+AC68073G		AC68643 N. 1 AC68642 + N. 2
Ø80 MM RIB BOOM AND HANGING SUPPORT	AC68503+AC68290B+AC68291B+AC68285		AC68643 N. 1 AC68642 + N. 2
Ø80 MM RIB BOOM AND FOTOCOSTA UNIT	AC68503+AC67090+AC68611+AC68285		AC68643 N. 3 AC68643 N. 3
Ø80 MM RIB BOOM AND MAGNET	AC68503+AC67090+AC68611+AC68073G		AC68643 N. 3 AC68643 N. 3
Ø80 MM RIB BOOM AND HANGING RACK			AC68643
Ø80 MM RIB BOOM AND HANGING RACK+MAGNET			
Ø80 MM RIB BOOM AND HANGING RACK+HANGING SUPPORT			
Ø80 MM RIB BOOM AND FOTOCOSTA UNIT+HANGING SUPPORT			
Ø80 MM RIB BOOM AND FOTOCOSTA UNIT+MAGNET			

### SPRING SELECTION TABLE FOR 6 M LONG BOOM ON RAPID N

BOOM TYPE	CODE	SPRINGS TO ORDER
Ø80 MM RIB TELESCOPIC BOOM	AC68523	N. 3 AC68643
Ø80 MM RIB BOOM	AC68506+AC68548G	N. 3 AC68643

\* IT MAY VARY ACCORDING TO WHERE THE ARTICULATED BOOM ARM IS DIVIDED



BALANCING SPRING  
(SEE TABLE)

- AC68640 Ø 4 MM
- AC68641 Ø 4,5 MM
- AC68642 Ø 5 MM
- AC68643 Ø 5,5 MM

## BOOMS WITH LEDS FOR RAPID BARRIERS

ACG1494	RAPID LED BOOM ARM L = 3 M WITH LED PROTECTION RAPID LED
ACG1495	BOOM ARM L = 4 M WITH LED PROTECTION RAPID LED BOOM ARM
ACG1496	L = 5 M WITH LED PROTECTION RAPID LED BOOM ARM L = 6 M
ACG1497	WITH LED PROTECTION



ABP1001 POWER FEEDER FOR LED LIGHTS



ACG1500 LED TUBE

7.5 M LONG COIL



ACG1515 FIXING HUB FOR RAPID LED BOOM



ACG1510 LIGHT SENSOR FOR LED LIGHTS



- 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 AA50130	RAPID S	
1 ACG8110	BASE PLATE	
1 ACG8526	STICKERS	
1 ACG1495	RAPID LED BOOM ARM L = 4 M	
1 ACG1500	LED TUBE	
1 ABP1001	POWER FEEDER FOR LED LIGHTS	
1 ACG1515	FIXING HUB FOR RAPID LED BOOM	
3 ACG8641	BALANCING SPRING Ø 4,5 MM	
1 ACG6052	SUN 2CH TRANSMITTER	
1 ACG8032B	FIT SLIM PHOTOCELL	
1 ACG8065	PAIR OF COLUMNS FOR FIT SLIM	
	TOTAL	

### TABLE FOR SPRING SELECTION OF A 3 M - LONG BOOM WITH LED TUBE (RAPID S AND RAPID N)

BOOM TYPE	CODE	SPRINGS TO ORDER N. 3	FOR RAPID S -
BOOM WITH LED TUBE	ACG1494	ACG8641 N. 2 ACG8641 N. 2 ACG8641	N RAPID N
BOOM WITH LED TUBE AND HANGING SUPPORT	ACG1494+ACG8285	N. 2 ACG8641 + N. 1 ACG8640 N. 2	RAPID S - N
BOOM WITH LED TUBE AND FOTOCOSTA UNIT	ACG1494+ACG7090+ACG8611	ACG8641 + N. 1 ACG8640 N. 2	RAPID N RAPID
BOOM WITH LED TUBE AND MAGNET	ACG1494+ACG80736	ACG8641 N. 2 ACG8641 + N. 1	N RAPID N
BOOM WITH LED TUBE AND FOTOCOSTA UNIT+HANGING SUPPORT	ACG1494+ACG7090+ACG8611+ACG8285	ACG8640 N. 2 ACG8641 + N. 1	RAPID N RAPID
BOOM WITH LED TUBE AND FOTOCOSTA UNIT+MAGNET	ACG1494+ACG7090+ACG8611+ACG80736	ACG8640	N RAPID N
BOOM WITH LED TUBE AND HANGING RACK	ACG1494+ACG8291B		
BOOM WITH LED TUBE AND HANGING RACK+MAGNET	ACG1494+ACG8291B+ACG80736		
BOOM WITH LED TUBE AND HANGING RACK+HANGING SUPPORT	ACG1494+ACG8291B+ACG8285		

### TABLE FOR SPRING SELECTION OF A 4 M - LONG BOOM WITH LED TUBE (RAPID S E RAPID N)

BOOM TYPE	CODE	SPRINGS TO ORDER N. 3	FOR RAPID S -
BOOM WITH LED TUBE	ACG1495	2 ACG8641 + N. 1 ACG8642 N. 2	N RAPID N
BOOM WITH LED TUBE AND HANGING SUPPORT	ACG1495+ACG8285	ACG8641 + N. 1 ACG8642 N. 2	RAPID S - N
BOOM WITH LED TUBE AND FOTOCOSTA UNIT	ACG1495+ACG7090+ACG8611	ACG8641 + N. 1 ACG8642 N. 1	RAPID N RAPID
BOOM WITH LED TUBE AND MAGNET	ACG1495+ACG80736	ACG8641 + N. 2 ACG8642 N. 1	N RAPID N
BOOM WITH LED TUBE AND FOTOCOSTA UNIT+HANGING SUPPORT	ACG1495+ACG7090+ACG8611+ACG8285	ACG8641 + N. 2 ACG8642 N. 1	RAPID N RAPID
BOOM WITH LED TUBE AND FOTOCOSTA UNIT+MAGNET	ACG1495+ACG7090+ACG8611+ACG80736	ACG8641 + N. 2 ACG8642 N. 1	N RAPID N
BOOM WITH LED TUBE AND HANGING RACK	ACG1495+ACG8290B+ACG8290B	ACG8641 + N. 2 ACG8642 N. 1	
BOOM WITH LED TUBE AND HANGING RACK+MAGNET	ACG1495+ACG8290B+ACG8290B+ACG80736	ACG8641 + N. 2 ACG8642	
BOOM WITH LED TUBE AND HANGING RACK+HANGING SUPPORT	ACG1495+ACG8290B+ACG8290B+ACG8285		

### TABLE FOR SPRING SELECTION OF A 5 M - LONG BOOM WITH LED TUBE (RAPID N ONLY)

BOOM TYPE	CODE	SPRINGS TO ORDER N. 3
BOOM WITH LED TUBE	ACG1496	ACG8643 N. 3 ACG8643
BOOM WITH LED TUBE AND HANGING SUPPORT	ACG1496+ACG8285	N. 3 ACG8643 N. 3
BOOM WITH LED TUBE AND FOTOCOSTA UNIT	ACG1496+ACG7090+ACG8611	ACG8643 N. 3 ACG8643
BOOM WITH LED TUBE AND MAGNET	ACG1496+ACG80736	N. 3 ACG8643 N. 3
BOOM WITH LED TUBE AND FOTOCOSTA UNIT+HANGING SUPPORT	ACG1496+ACG7090+ACG8611+ACG8285	ACG8643 N. 3 ACG8643
BOOM WITH LED TUBE AND FOTOCOSTA UNIT+MAGNET	ACG1496+ACG7090+ACG8611+ACG80736	N. 3 ACG8643
BOOM WITH LED TUBE AND HANGING RACK	ACG1496+ACG8290B+ACG8291B	
BOOM WITH LED TUBE AND HANGING RACK+MAGNET	ACG1496+ACG8290B+ACG8291B+ACG80736	
BOOM WITH LED TUBE AND HANGING RACK+HANGING SUPPORT	ACG1496+ACG8290B+ACG8291B+ACG8285	

### TABLE FOR SPRING SELECTION OF A 6 M - LONG BOOM WITH LED TUBE (RAPID N ONLY)

BOOM TYPE	CODE	SPRINGS TO ORDER
BOOM WITH LED TUBE	ACG1497	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