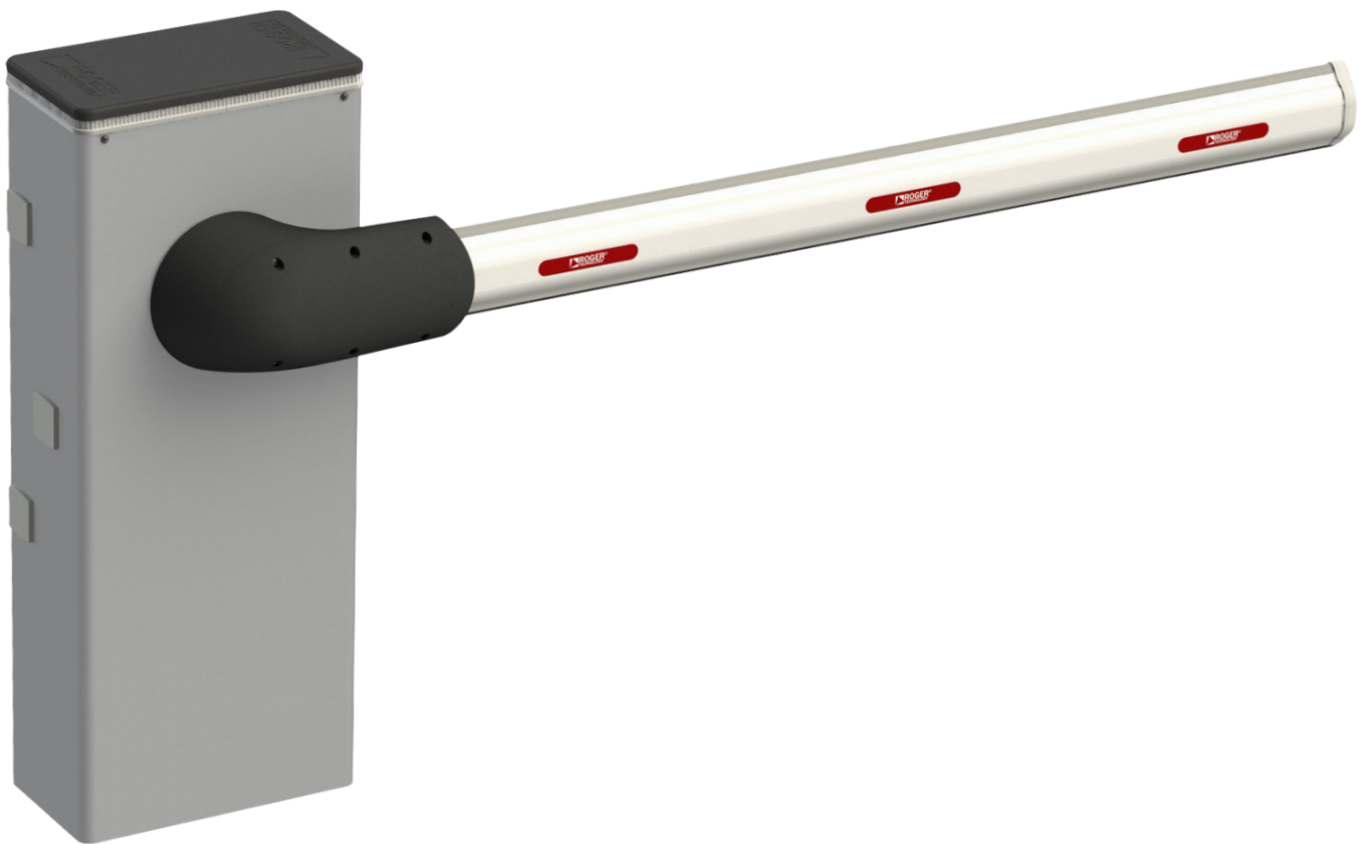


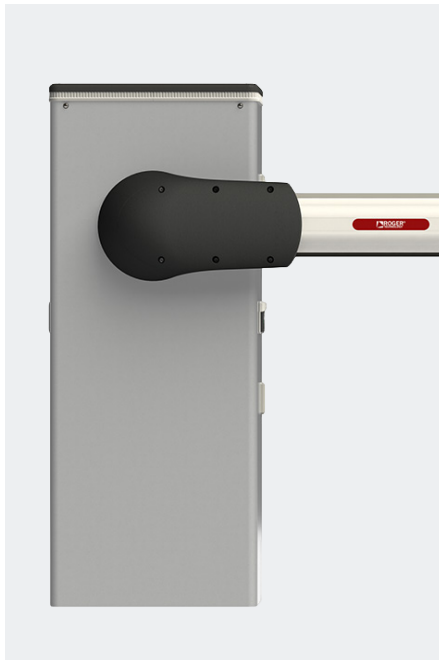


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T E C H N I C A L D A T A S H E E T

B I O N I K



The Bionik range are powerful automatic barrier arms that are ideal for various applications. Capable of operating an arm of up to 8m, 100% duty cycle. It has a compact 36v brushless motor that delivers the smoothest torque application in the market, prolonging the life of the gearing, beam and other mechanical parts. Being low voltage, the operator is inherently safer than high voltage operators and has the additional benefit that there are multiple power options.

Variant SKU	BIONIK-4	BIONIK-6	BIONIK-8
Boom	up to 4m	up to 6m	up to 8m
Opening Time at 90°	1.5 to 6s (up to 3m)	4 to 8s	9 to 29s
Power Line Supply	230V AC		
Motor Supply Voltage	36V AC		
Frequency Of Use	100% Duty		
Max Power	220W	220W	300W
Operating Temperature	-20+55°C		
Limit Switch	Adjustable open and closed position Mechanical travel limits		
Backup Batteries	Optional 2 internal batteries 12V DC 4.5Ah		
Control Board	CTRL	CTRL	CTRL

Release

 Handle with a twin-acting
 elliptical lever and key
 with a STANDARD cylinder

 Release of reduction gear on bearings,
 with European cylinder key

ROGER TECHNOLOGY

BIONIK



1.5 to 6s



-20+55°C



Warranty


 100%
 Duty Cycle

Recommended Accessories:



Arm Support

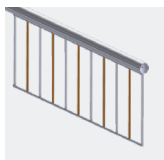
Support for Bionik Barrier



Back-up Battery

 Internal Battery Back-up for
 Bionik Barriers


Pendulum Arm

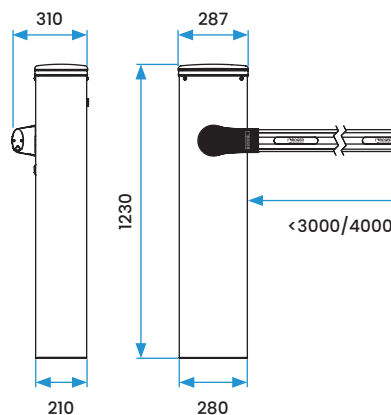
 Support the end of your
 Barrier Arm


Drop Skirt

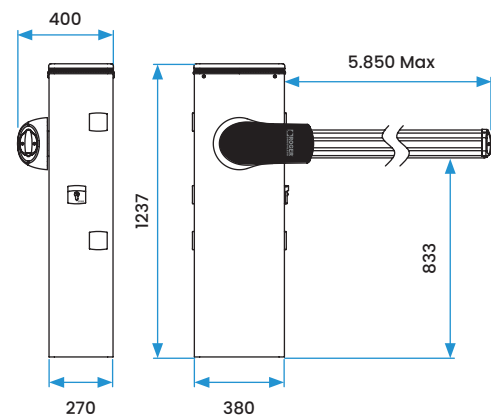
15m Range

Dimensions:

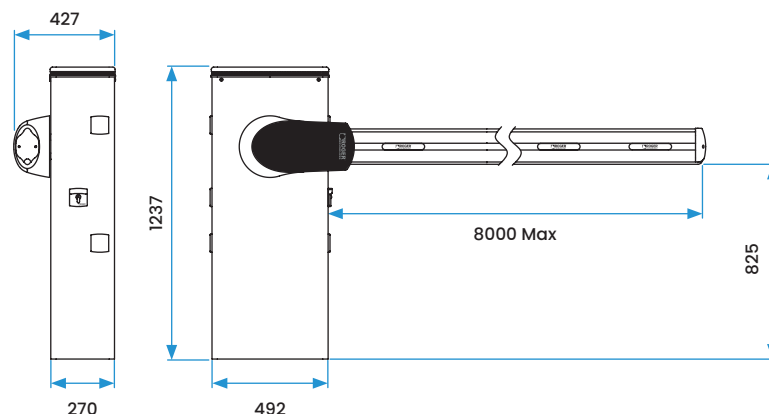
Bionik 4



Bionik 6



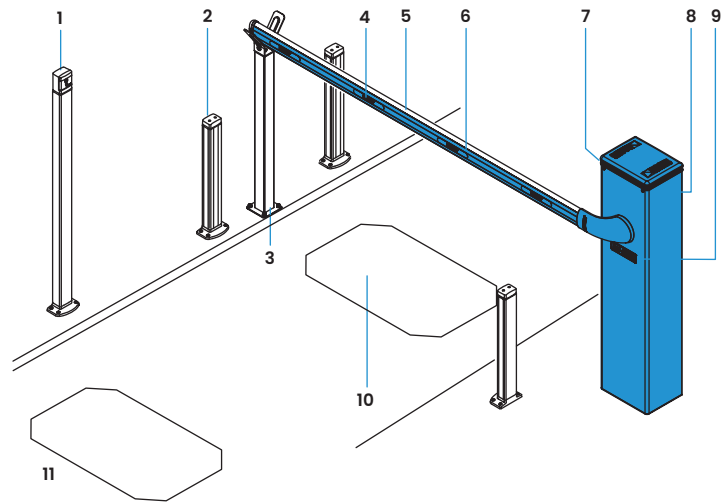
Bionik 8





Typical Barrier Set Up

- 1. Keypad
- 2. Safety Beam
- 3. Boom Arm Support
- 4. Reflective Sticker
- 5. LED Strip
- 6. Barrier Arm
- 7. LED Light
- 8. Barrier Operator
- 9. Manual Release
- 10. Safety Loop
- 11. Exit Loop



Spring Selector

Match the correct spring tension to your barrier setup.

LIGHT

SP/48/01

STANDARD

SP/72/01

HEAVY

SP/72/01

STANDARD

SP/83/01

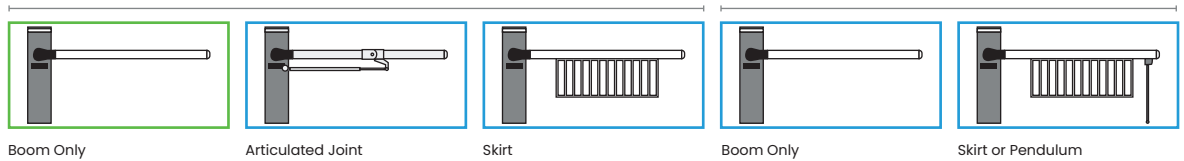
HEAVY

SP/85/01

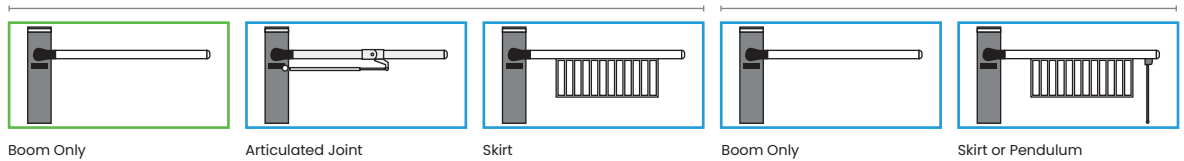
STANDARD HEAVY

SP/85/AS/02

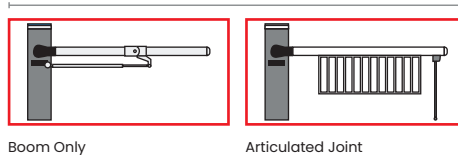
Boom Length 2.2m to 2.8m



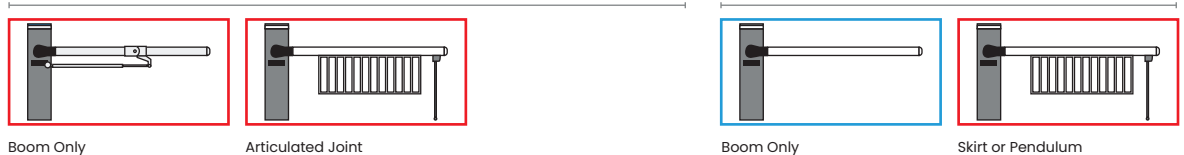
Boom Length Up to 3m



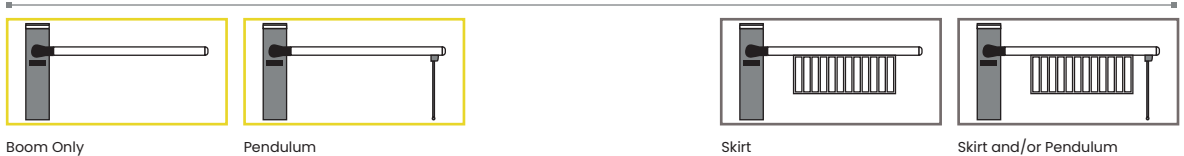
Boom Length Up to 3m (cont.)



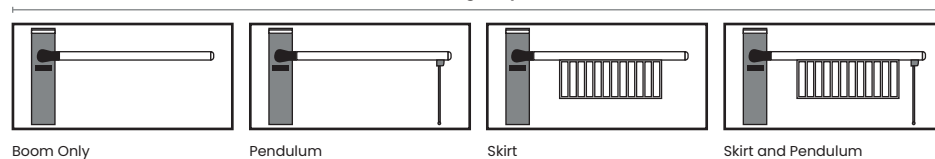
Boom Length Up to 4m

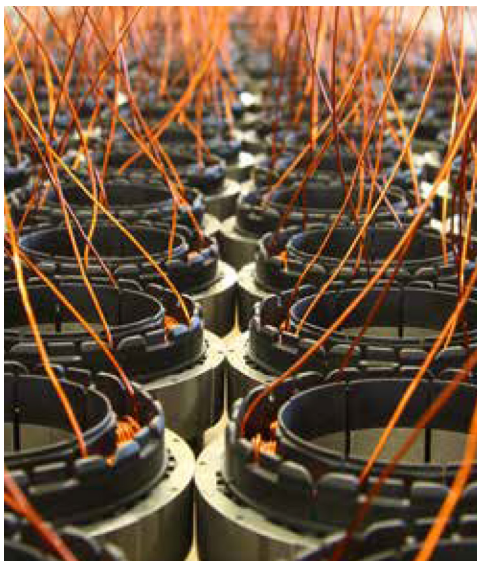
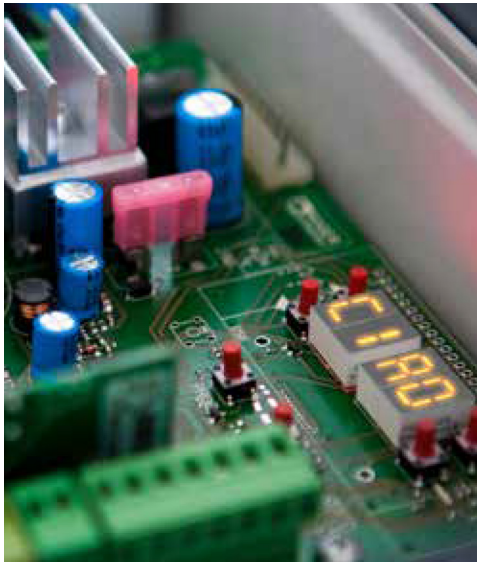


Boom Length Up to 6m



Boom Length Up to 8m





▪ Digital 36V Brushless Motor

Innovative revolutionary 36v brushless digital motor with permanent magnetic field and a sensed digital encoder that permits unlimited use of the barrier with extremely reduced consumption and a mechanical absolute positioning system.

▪ Gear Motor with Perfect Gears

The gear motor is a mechanical jewel made entirely of aluminium, steel and bronze.

▪ Linkage Lever and Springs

Different types of spring are available according to the length of the boom and certified for millions of manoeuvres. Mechanical linkage lever with adjustable mechanical stops.

▪ Led Lighting

Elegant LED lighting circuit all over the aluminium head of the barrier column. Can be configured via the control unit.

▪ Mechanical Positioner

Allows movements to be managed in tenths of a degree, and ensures perfect automation restart without relearning after the blackout or manual release phases.

▪ Robust, Elliptic Boom

Aluminium boom with an elliptical section providing greater wind resistance and central ribbing for even greater stability and robustness. Integrated signalization LED on the upper side. Can be configured via the control unit.

▪ Innovative Release

Mechanical manual release with a cylinder lock, able to unlock the barrier in any situation thanks to its excellent mechanical features.

▪ Sturdy Boom Support Flange

Extended cone double flange in die-cast aluminium for support and protection, directly connected to the reduction gear for the sturdy and safe mechanical movement of the boom.

▪ Sustainability

Roger Technology is a green customer-centric company dedicated to creating sustainable products through environmentally responsible production processes, innovative technologies, and a culture that prioritizes the health, safety, and development of its workers and customers..



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AGM Automation

U4/12 Carbon Court Osborne Park, WA 6017

Phone: 9244 8899

agmautomation.com.au

