

GENIUS[®]
RAPID[®] ACCESS
BARRIERS



BoomGate[®]
Systems (PTY) LTD

Reg.No. 98/23505/07 Engineering Access Control





GENIUS® RAPID® ACCESS BARRIER BGST-D107

The Genius® Rapid® BGST – D107 barrier is manufactured and designed to handle a high volume of traffic and has a 100% duty cycle. The barrier is equipped with a 24V DC motor which lifts the boom arm through a sinusoidal level system which allows the boom arm to be locked in both up and down position. Barrier has life expectancy of 3 million operations and comes with a 1 year warranty.

The boom arm can be raised to 90 degrees in an event of a power failure with a crank handle. Up to 2 tension springs can be used for counter balancing.

Left and right-hand barriers are available with octagonal boom arms. The boom arm can be supplied as a straight arm or with a jack knife kit (90° or 180°) and the boom arm can also be equipped with a fence or curtain. The barrier requires minimum maintenance. Battery back-up option is available. BGST-D107 comes standard with LED robot on cabinet.



LEFT HAND BARRIER



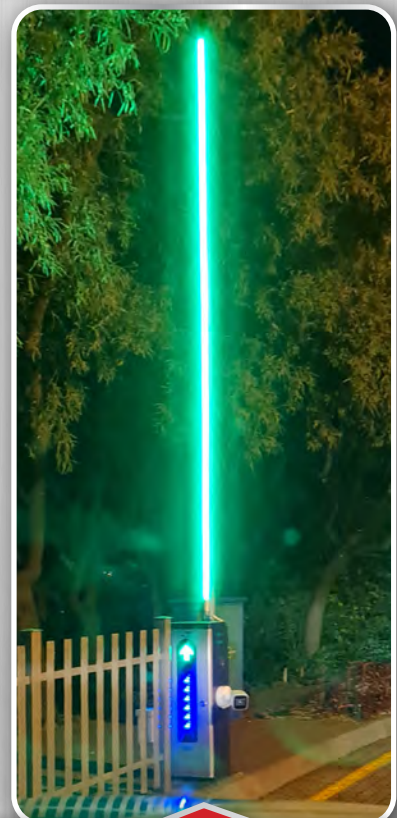
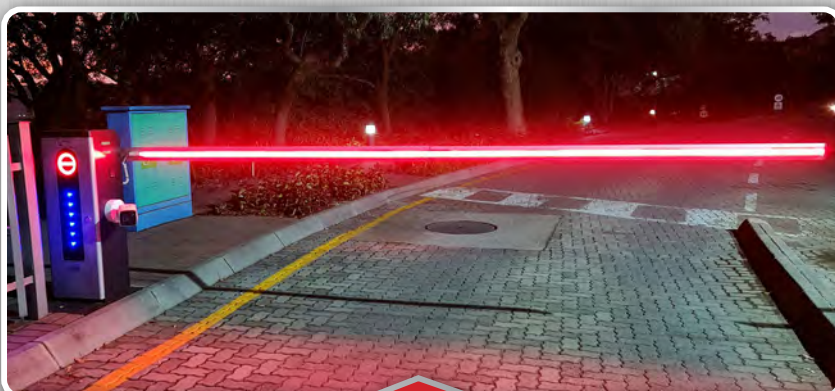
RIGHT HAND BARRIER





APPLICATIONS:

- Parking Garages
- Golf or Residential Estates
- Factories & Mines
- Industrial and Commercial use
- Any application where vehicles need to be controlled



ULTRA BRIGHT LED STRIPS ON BOOM ARM



TECHNICAL SPECIFICATIONS:

MAXIMUM STRAIGHT BOOM LENGTH	1.5 sec – 3sec	3m
	3 sec – 6sec	4.5m
Opening and closing times	1.5s to 6s	
Voltage	220V AC / 24V DC	
Frequency	50HZ	
Motor power consumption	60W	
Working temperature	-30° to 80°	
Housing dimension	355mm (W) x 280mm (D) x 1050mm (H)	
Weight not including barrier boom	50kgs	
Drive	24V DC Motor	
Maximum Remote Control Distance	≤40m	
Battery back up	Optional 24V only	
Control Logic	Fully Programmable	



FEATURES:

Speed is adjustable

- 1.5 second motor, speed can be adjusted from 1.5 seconds to 3 seconds
- 3 second motor, speed can be adjusted from 3 seconds to 6 seconds
- Open & close speed can be different.

Auto boom arm return function

Built-in sensor can detect when boom arm hits an obstacle and will return to the open position.

Auto slow down function

Barrier arm will automatically slow down before it is fully closed or open.

Intelligent open close limit sensor

Limit sensor will detect open & close position automatically. No need to adjust it by hand.

Position memory function

The motor can remember limit position, so the boom arm will move back to right position even if the motor is cranked manually with a handle.

Operating temperature

Motor operates with lower working temperature.

High duty cycle

Estimated at 3 million open and closing cycles.

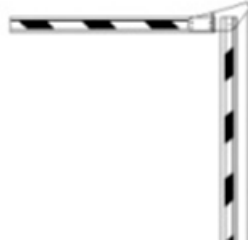


BOOM ARM OPTIONS:

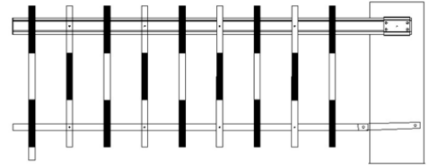
STRAIGHT BOOM



FOLDING BOOM



FENCE BOOM



OPTIONS	OPENING AND CLOSING TIMES	MAXIMUM BOOM LENGTH
Straight Boom	1.5s	3m
	2s	4m
	3s	4.5m
	6s	6m
Folding Boom	3s	4.5m
	6s	6m
Fence Boom	6s	4.5m



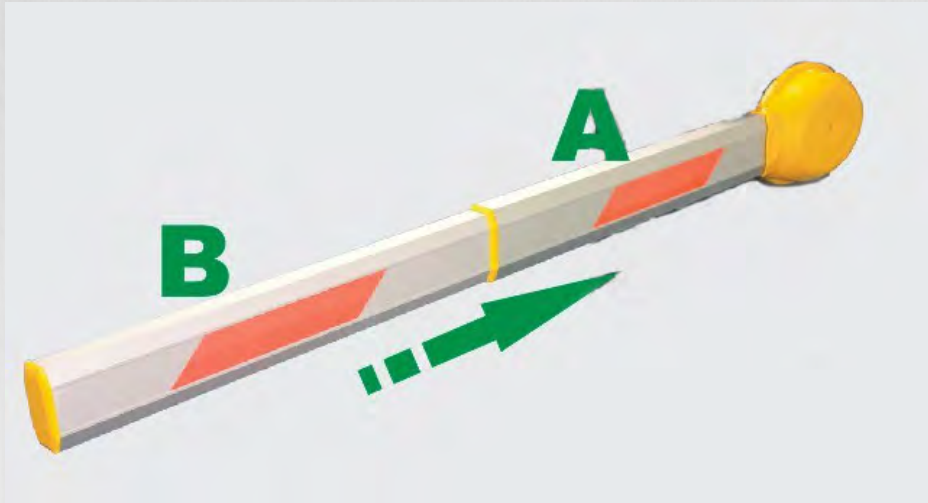
GENIUS® RAPID® ACCESS BARRIER BGST-D107 WITH FENCE





RETRACTABLE STRAIGHT BOOM:

EASY FOR TRANSPORTATION (OPTIONAL)



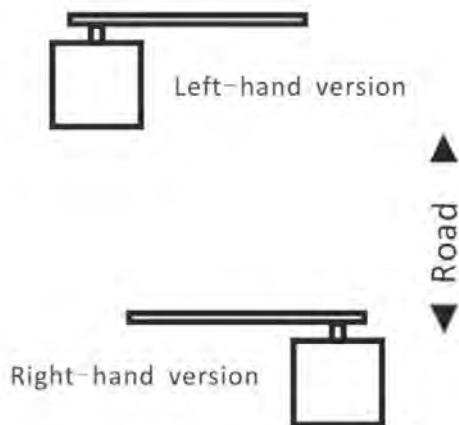
A = MASTER BOOM

B=SLAVE BOOM (B<=A)

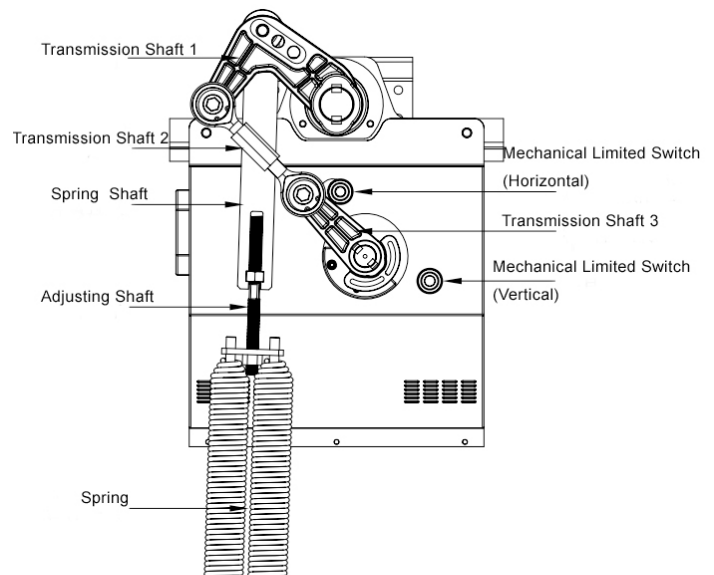
Section B can slide inside in Section A. This boom arm is designed for easy-transportation. E.g. 6m boom arm can be transported much easier and more convenient. 6m straight boom arm can be made up as follows: 4m+2m or 3m+3m.

BARRIER LEFT & RIGHT HAND CONFIGURATION

Direction:



BARRIER MECHANISM AND MOTOR ASSEMBLY





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