



GRS.Toll barriers were specially designed to suit application for toll way market where high volume access, high speed movement, high quality and reliability is important.

Barrier Housing

- Housing made of folded and welded electro galvanized Steel Sheet, from 2mm to 6mm thick. Solid housing
- Front and top access panel provides easy access to the mechanism and controller.
- Weather-resistant, removable top cover, locked by key.
- Powder coated to protect against corrosion.
- Equipped with a dual color LED light (Green and Red) on the barrier body.

Geared Motor

- AC Servo motor with a high quality aluminium extruded housing.
- Ensuring very fast acceleration and deceleration with a high torque, low noise, fast response and stable speed.

Robust Mechanism

- Made of die-cast and lasered steel.
- Specially design for intensive usage in severe condition.
- Shaft-mounted on two life-lubricated ball bearings.

Swing Away

- GRS.Toll.03, GRS.Toll.04 & GRS.Toll.06 are equipped with Ø38mm carbon fiber boom protected with Ø85mm Eco-friendly EPE foam tube.
- GRS.Toll.07 is equipped with aluminium tube boom arm with oval section of 80x53 mm.
- Arm breakaway device to prevent damage to the barrier in case of impact to the arm.
- A boom contact is available to provide feedback when the boom is missing or swung away.
- Optionally, the boom arm can be equipped with a dual color LED light (Green and Red).

Spring System

- The barrier requires balance spring(s) to assist in movement.

Automatic Opening

- Selection of having automatic opening of boom or maintained in position upon power failure by simple parameter setting.

Control Unit

- Easy to do barrier configuration with a digital LED display and 5 navigation keys.

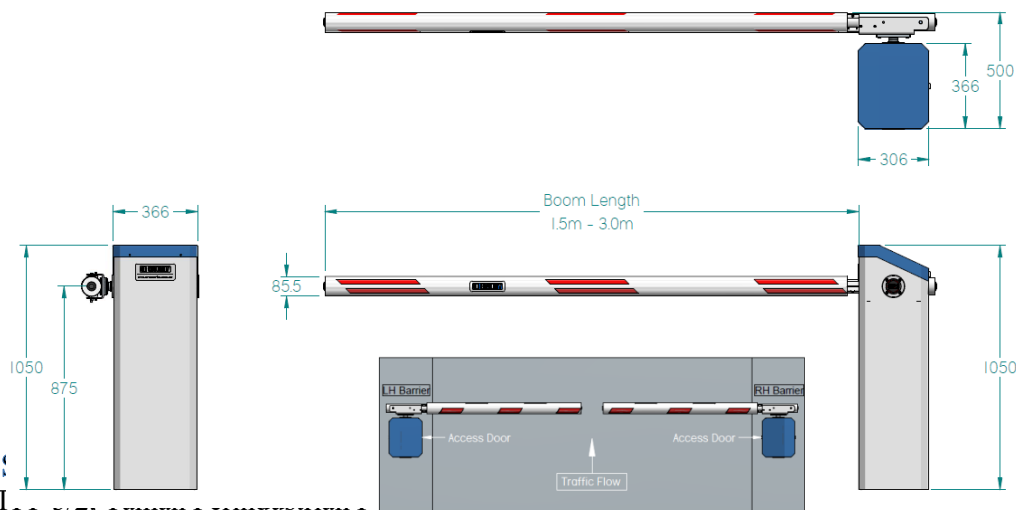


Technical Data	GRS.Toll.03	GRS.Toll.04	GRS.Toll.06	GRS.Toll.07
Power supply	Single phase 230VAC			
Frequency	50 / 60 Hz			
Drive unit	Three-Phase Asynchronous servo motor			
Free passage	1.5m - 2.3m	2.5 - 2.8m	2.5m - 3.0m	
Opening time	0.3s - 0.4s	0.4s	0.6s	0.7s
Closing time	0.3s - 0.4s	0.4s	0.6s	0.8s
Power consumption (Max.)	200W / 250W	350W		
Temperature range	-20°C - +70°C			
IP degree of protection	IP54			
Housing dimensions (WxDxH)	380x306x1050			
Weight (without boom)	70kg			
Standard boom	Ø38mm Carbon fiber tube protected with Ø85mm eco-friendly EPE foam tube		Aluminium Tube Boom Arm with oval section of 80x53 mm	
Swing away devices	Yes			
MCBF	10,000,000 with standard maintenance			
Material & Finishing	Electro galvanized steel with powder coated			
Warranty	2 years			
Standard colour	Blue / White			
Special colour	√	√	√	√
Loop Detector(s)	√ ① / ②	√ ① / ②	√ ① / ②	√ ① / ②
LED light on boom	Yes (Red / Green)			No
Certificate	CE			

√ Optional available

- ① Single channel loop detector
- ② Double channel loop detector

Standard Dimensions



GR Security !

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