

RISING ARM BARRIERS GTR-F Series

Brand new member of GateSet Rising Arm Barriers, GTR Series is designed to meet latest requirements of the industry while inheriting all **high-end features** of the previous GateSet barrier models. -F configuration of GTR Series is a primary example of GateSet's ability to answer specific project requirements. The integrated fence of GTR-F Series acts as an ideal barrier for environments containing stray animals and possible intruders. In order to provide traffic control in extremely busy areas, GTR-F Series is equipped with frequency inverter which controls a powerful motor with intricate precision, achieving a smooth arm operation. With 100% duty cycle, GTR-F Series Rising Arm Barriers are able to handle more than 10,000 vehicles per day.

GTR-F Datasheet v.2.0

Usage Areas

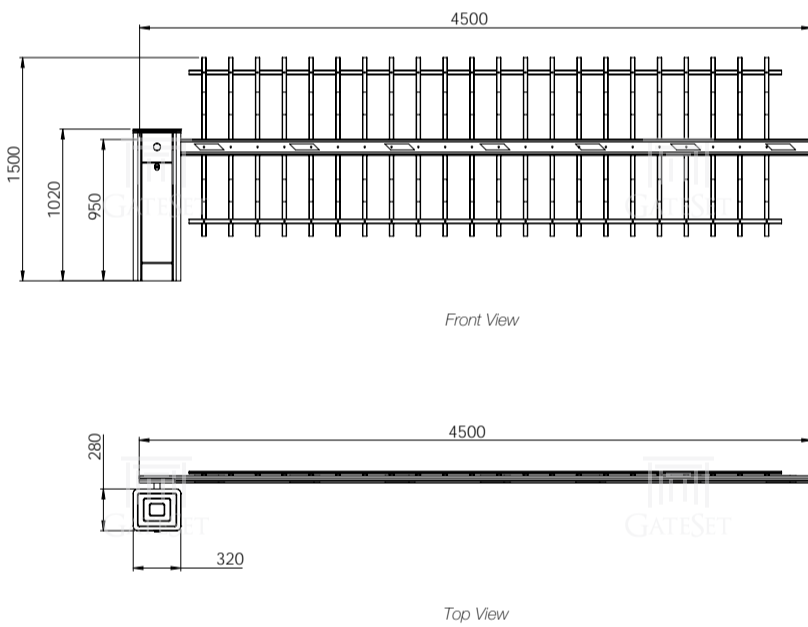
<i>Access Control</i>	Toll Gates Car Parking Areas Airports Business Centers Industrial Plants Government Offices Military Compounds
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Featured Characteristics

<i>Precise</i>	Smooth speed and movement control with frequency inverter, providing the highest operation speed of 4 seconds with seamless movement at limit positions
<i>Elegant</i>	Stands out from subsidiary products with aesthetic design on top of exceeding all industrial expectations
<i>Flexible</i>	Effortless change of arm direction with multi-directional gearbox design. Optional ability to release the arm for manual operation with a single action
<i>Heavy Duty</i>	Suitable for intense usage at high frequency access control points, supporting 10,000+ movement per day

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Drawings and Dimensions*



Subject to change depending on design or project needs without prior notice

Technical Specifications*

<i>CASE DIMENSIONS</i>	320 x 280 x 1020 mm (WxLxH)
<i>MATERIAL</i>	Barrier case: 2 mm heat treated powder coating with anti-rust layer (standard) 304 grade stainless steel case (optional) Motor and gearbox holder: 10 mm galvanized steel sheet
<i>RISING FENCE</i>	100x42 mm octagonal white (RAL9016) main aluminum boom with 40x20 mm horizontal and 20x10 mm vertical support bars.
<i>TOP COVER</i>	Up to 6 meters (standard) 2 mm heat treated powder coating with anti-rust layer (standard) 10 mm cast aluminum with LED Stripe for enhanced visibility (optional)
<i>OPENING / CLOSING TIME</i>	Adjustable from 3 to 6 seconds with parameter setup depending on requirements
<i>OPERATION FREQUENCY</i>	From 4 seconds at 3 meters arm to 6 seconds at 6 meters arm 6,000+ consecutive movements supported with 100% duty cycle Suitable for handling 10,000+ vehicle passage per day
<i>SPEED CONTROL</i>	Operation speed, ramp-up, ramp-down control parameters adjustment on Frequency Inverter panel
<i>POWER INPUT</i>	220 V AC Single Phase
<i>MOTOR</i>	0.75 kW, 380 V AC 3 phases 50-60 Hz controlled by Frequency Inverter
<i>TRANSMISSION</i>	Multi Directional Gearbox providing effortless change of arm direction
<i>MOVEMENT CONTROL</i>	Smooth Control down to Zero Speed with Control Techniques Inverter
<i>MANUAL OPERATION</i>	Manual Rotating Key in Case of Power Outage
<i>POSITION CONTROL</i>	Inductive limit switches with physical position adjustment for down and up positions
<i>AUTO CLOSE</i>	Barrier automatically closes itself, close time is adjustable
<i>OBSTACLE DETECTION</i>	Arm detects obstacle in both direction and reverse operation instantly
<i>CRASH DETECTION</i>	Arm releases itself automatically from its mounting point when hit by vehicle (optional)
<i>OPERATING TEMPERATURES</i>	- 25 °C / +70 °C
<i>AMBIENT HUMIDITY</i>	100% RH or less (without condensation)
<i>PROTECTION CLASS</i>	Barrier Case: IP54, Electronics: IP65
<i>ACCESS CONTROL</i>	Compatible with all kinds of access equipment Seamless integration with GateSet Parking Management Systems
<i>INSTALLATION</i>	Slotted external mounting plate for robust and easy installation
<i>FOUNDATION DIMENSIONS</i>	400 x 400 x 400 mm (WxLxH)
<i>OPTIONAL FEATURES</i>	Manual Operation Switch
<i>ACCESSORIES (STANDARD)</i>	Integrated Photocell, Button Control (standard)
<i>ACCESSORIES (OPTIONAL)</i>	Cast Aluminum Top Cover with LED Stripe, Loop Sensor, Flashing Light, Remote Control, Traffic Lights
<i>WARRANTY</i>	2 years
<i>CERTIFICATION</i>	ISO 9001:2015

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Optional Accessories



Flashing Light

24 V DC Flashing Light can be used to enhance visibility and safety during operation



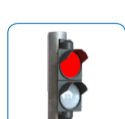
Loop Sensor

Loop Sensor can be added either to enhance operation safety or trigger barrier movement



Remote Control (Wireless)

Wireless Remote Control System with receiver and transmitter units, with rolling code security



Traffic Lights

Red - Green colored, Power LED technology, 200 mm diameter, delivered with galvanized post



Control Keyboard (Wired)

Designed for Guard Rooms, ABC Series control boards can be used to command barriers