

ROAD BLOCKERS



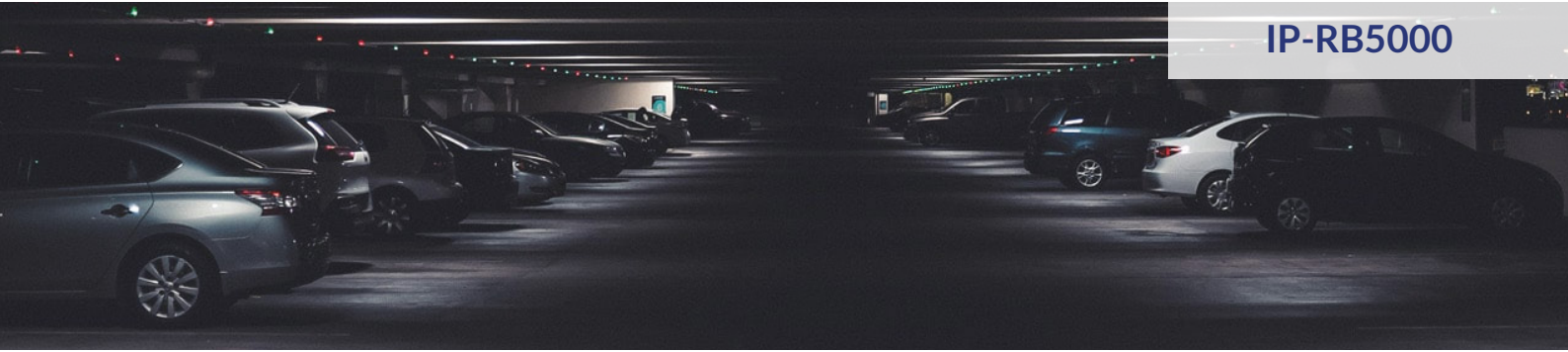
Speed Control & Position Sensing

IP-RB5000 Series Hydraulic Road Blockers provide reliable solutions for securing sensitive areas against ram attacks with Powerful Hydraulic Unit and cost-effective design. Suitable for high frequency heavy duty operation, IP-RB5000 Series Road Blockers provide solid protection in areas that require high security, while maintaining its aesthetic line thanks to its continuously evolving modern design.



Flexible & Reliable

Ease of integration with all access control equipment through its Schneider SR2 A201BD PLC unit which possesses 12 Inputs and 8 Outputs. All electronic equipment are Schneider branded with the highest reliability available in the market.



OVERVIEW

iParkPro's new release IP-RB5000 High Impact Rated Hydraulic Shallow Mount Road Blockers are designed to protect sensitive areas that require a high level of security. The product has already proven its durability and stopping power through computer-aided element analysis tests, providing compliance with IWA14-1:2013/ PAS68 / ASTM M50 standards at the P1 level with N3C vehicle. With its powerful hydraulic unit.

KEY FEATURES

Heavy Gauge Structure

Road Blocker Structure is made out of heavy gauge material. Underground case is NPI100 profile. Inside the blocking wedge, A bars with 100 mm thick nails presses the case at up and down position, enhancing impact resistance and axle load bearing capacity.

Heavy Duty Operation

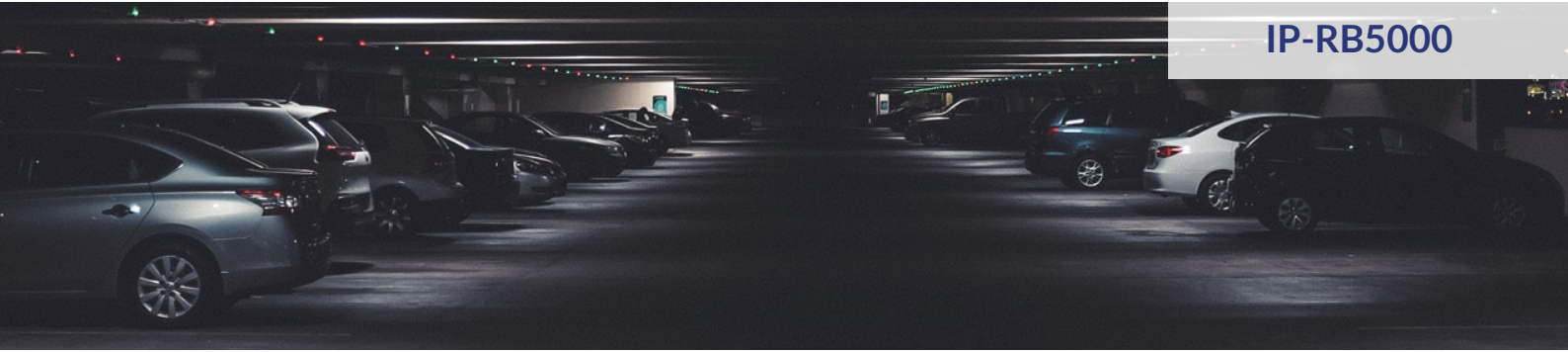
Designed for intense industrial usage with 100% Duty Cycle, by powerful HPU, strong wedge and durable hydraulic lift piston. With its 2.2 - 5.5 kW powerful motor GSR-L Series are capable to complete up or down movement in 3-5 seconds without any limitation of daily usage.

Position Sensing

iParkPro Series possess two advanced features which extend the usage life of the system: Position Detection with weather proof proximity limit sensors which immediately stops the motor operation at limit points.

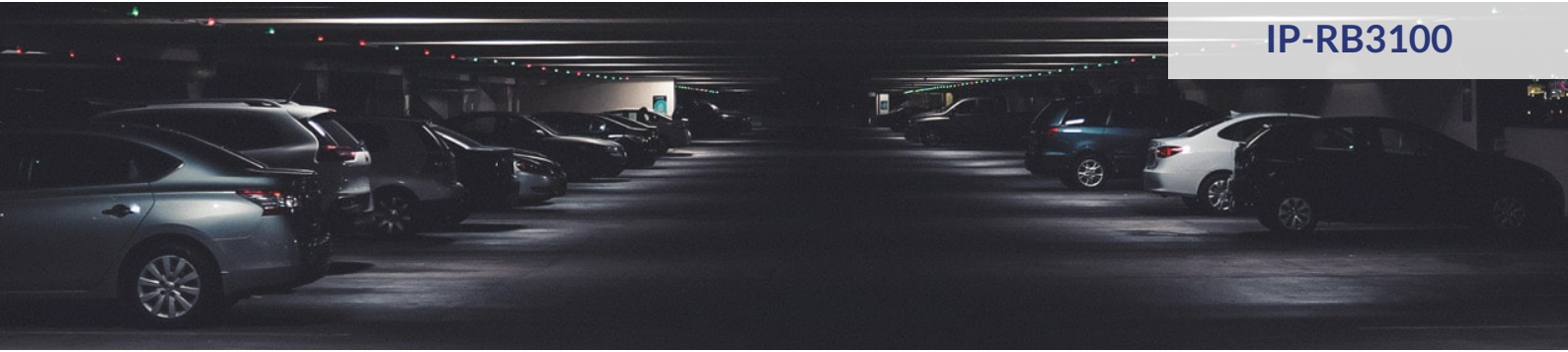
TECHNICAL SPECIFICATIONS

PARAMETER	IP-RB5000
BLOCKER PHYSICAL CHARACTERISTICS	
Blocking Length	Intermediate Lengths from 2000 mm to 6000 mm
Obstacle Height	800 mm (standard) . Intermediate Heights are provided from 500 mm to 1000 mm
Case Dimensions	Case Width: 1400 mm, Case Depth: 1060 mm (for standard 800 mm Obstacle Height)
Blocker Underground Case	Heavy Gauge 100 mm UPN Profiles, 100 mm NPI Steel Horizontal Bottom Bar, Supported by vertical 100 mm NPI Steel Beams, Covered from all sides with 2 mm thick Steel Plates
Blocking Wedge	Heavy Gauge 100 mm UPN Profiles, 100 mm NPI Steel Horizontal Bottom Bar, 3 mm Thick Front Plate, Steel Top Plate Thickness 10 mm
Treatment	Two Component Surface Tolerant Epoxy Mastic Coating for Corrosion Protection (Jotamastic) and Painted with Polyester Outdoor Paint, Black Finishing with Yellow Stripes on the Front Steel and Top Plate
OPERATIONAL CHARACTERISTICS	
Drive	Heavy Duty Hydraulic
Drive Power	Min 10 Bars / Max 120 Bars



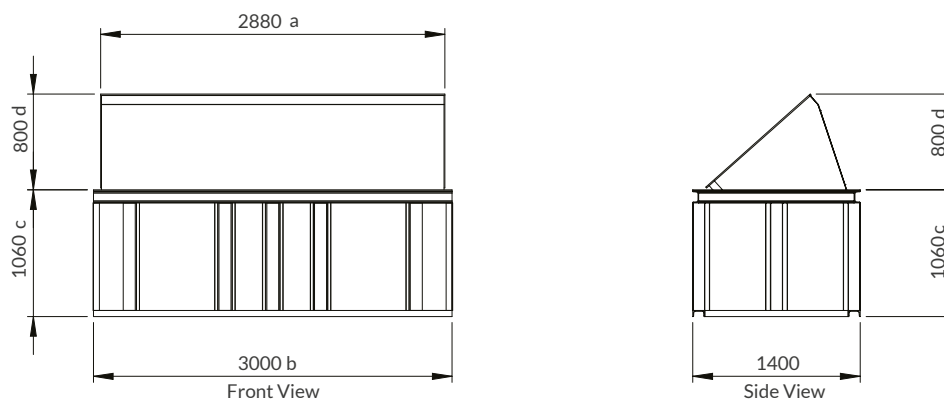
TECHNICAL SPECIFICATIONS

PARAMETER	IP-RB5000
Lift Piston Variations	1 Heavy Duty Lifting Piston for Blocking Lengths from 2000 mm up to 3000 mm, 2 Heavy Duty Lifting Pistons for Blocking Lengths from 3000 mm to 6000 mm
Rising / Falling Time	3-4 Seconds
Speed Control	Slowing Down at Opening and Closing Limit Points
Working Frequency	300+ Cycles/Hour
Emergency Operation	Rising in 1.5 Seconds (with optional EOK Kit)
Position Detection	2 Weather Proof Proximity Limit Sensors
Manual Operation	Ascending and Descending with Manual Hand Pump
CABINET Control Cabinet	2 mm Thick Steel, Electrostatic Thermal Painting for Anti-Corrosion Resistance
Cabinet Dimensions	Feature: Standard
	Width: 390 mm
	Length: 750 mm
	Height: 1290 mm
ELECTRICAL CHARACTERISTICS Electric Motor	220 or 380 V AC / 50-60 Hz. 2.2 to 5.5 kW,
Control Panel	Micro Processor Based Control Board
Test Panel	Integrated Test Panel on Electric Cabin Cover, Phase Indicators
RESISTANCE CHARACTERISTICS Impact Resistance	7,200 kg at 80 km/h
Axle Load Resistance	35 Tons
Penetration Level	Static Penetration of Truck: -1.18 m (negative) - Dynamic Penetration of Truck: 0.0 m
Crash Test Certification	14-1:2013 Blocker V/7200[N2A]/80/90:0.0
Protection Class	IP 65
Operating Temperature	+70°C / - 15°C
EQUIPMENT AND ACCESSORIES Hydraulic Pipes	18/1.5 Connector - 1/2 Radius, 350 Bars Max Pressure, 10 m Pipe Length (standard)
Safety Equipment	Emergency Stop Button (standard), Front and Rear Loop Sensor (optional)
Standard Accessories	Remote Control Keyboard (wired), Test Unit on ECU Panel, Oil Level and Temperature Indicator, Manometer
Optional Accessories	Traffic Lights, Flashing Light, Siren, Warning Sign, Drainage Pump
CERTIFICATIONS AND WARRANTY Certifications	ISO 9001:2008, CE
Warranty	2 Years



DIMENSIONS

Blocker

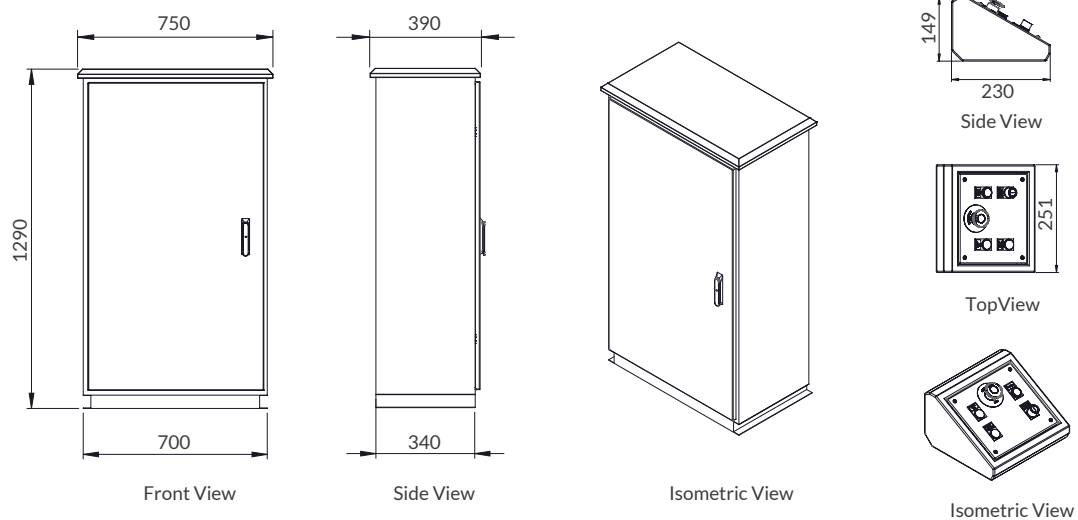


REMARKS - Above Dimensions are for 3000 mm Case Length and 800 mm Blocking Height:

- a- Case Length Intermediate Lengths available from 2000 mm to 6000 mm
- b- Total Case Length Typically Blocking Length + 120 mm
- c- Case Depth Typical for 800 mm Blocking Height
(Changes Depending on Custom Blocking Heights)

- d- Blocking Height Intermediate Heights available from 500 to 1000
- e- Case Width Typical for 800 mm Blocking Height
(Changes Depending on Custom Blocking Heights)

Cabinet & Keyboard



* Dimensions are given for 4000 mm Blocking Width, 800 mm Obstacle Height and Control Cabinet with Standard Configuration.
Subject to change depending on design or project needs without prior notice

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