

IP-RB5000

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	

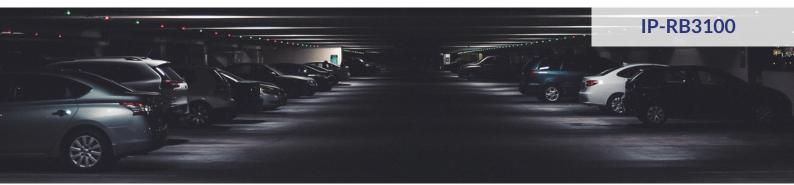




TECHNICAL SPECIFICATIONS

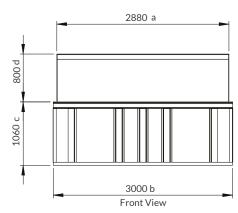
PARAMETER		IP-RB5000		
Lift Piston Variations		1 Heavy Duty Lifting Piston for Blocking Lengths from 2000 mm up to 3000 mm, 2 Heavy Duty Lifting Pistons for Blocking Lengths from 3000 mm to 6000 mm		
Rising / Falling Time		3-4 Seconds		
Speed Control		Slowing Down at Opening and Closing Limit Points		
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	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	Inte	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 Penetra	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 Connec	18/1.5 Connector - 1/2 Radius, 350 Bars Max Pressure, 10 m Pipe Length (standard)		
Safety Equipment	Emergen	Emergency Stop Button (standard), Front and Rear Loop Sensor (optional)		
Standard Accessories	Remote	Remote Control Keyboard (wired), Test Unit on ECU Panel, Oil Level and Temperature Indicator, Manometer		
Optional Accessories	Traff	Traffic Lights, Flashing Light, Siren, Warning Sign, Drainage Pump		
CERTIFICATIONS AND WARRANTY Certifications		ISO 9001:2008, CE		
Warranty		2 Years		

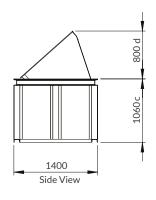




DIMENSIONS

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 Lenght 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)

750 390 230 Side View 6 1290 Ð EO EO ĥ TopView 700 340 Front View Side View Isometric View Isometric View

* 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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Cabinet & Keyboard