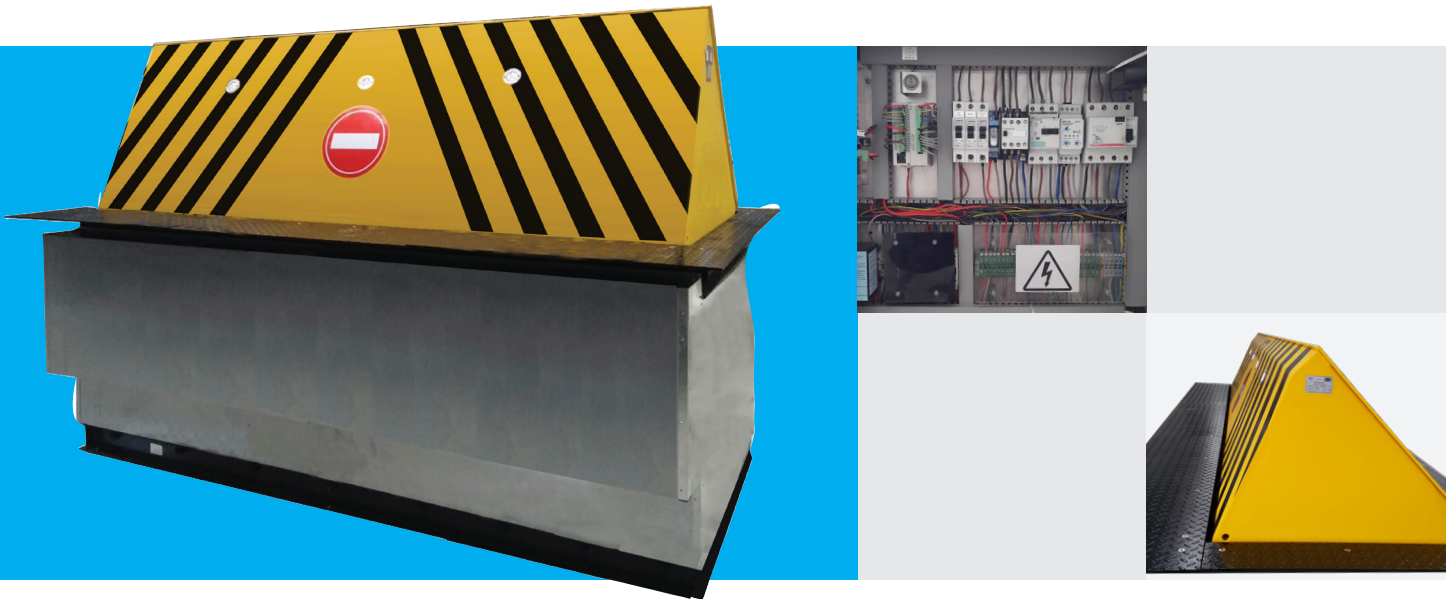
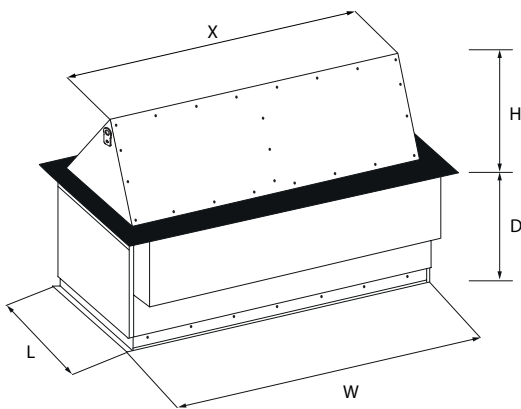


RB ROAD BLOCKER

RESIDENTIAL MODEL



DIMENSIONS



Product Code	Blocker Unit Width (X)	No. of Pistons	Raising Height 65 - 50 cm	Raising Height 90 - 70 cm
			Dimensions (LxWxD)	Dimensions (LxWxD)
RB 10F_	1000	1	1275 x 1170 x 975	1481 x 1170 x 1270
RB 15F_	1500	1	1275 x 1670 x 975	1481 x 1670 x 1270
RB 20F_	2000	1	1275 x 2170 x 975	1481 x 2170 x 1270
RB 25F_	2500	1	1275 x 2670 x 975	1481 x 2670 x 1270
RB 30F_	3000	1	1275 x 3170 x 975	1481 x 3170 x 1270
RB 35F_	3500	1	1275 x 3670 x 975	1481 x 3670 x 1270
RB 35F_	3500	2	1275 x 3670 x 975	1481 x 3670 x 1270
RB 40F_	4000	1	1275 x 4170 x 975	1481 x 4170 x 1270
RB 40F_	4000	2	1275 x 4170 x 975	1481 x 4170 x 1270
RB 45F_	4500	2	1275 x 4670 x 975	1481 x 4670 x 1270
RB 50F_	5000	2	1275 x 5170 x 975	1481 x 5170 x 1270
RB 55F_	5500	2	1275 x 5670 x 975	1481 x 5670 x 1270
RB 60F_	6000	2	1275 x 6170 x 975	1481 x 6170 x 1270
RB 65F_	6500	2	1275 x 6670 x 975	1481 x 6670 x 1270

*To complete the product code (RRB 10F_) simply choose a raising height in increments of 5cm between either 65-50cm or 90-70cm. For example the code for a 60cm raising height would be RRB 10F 60.

TECHNICAL FEATURES

Power	Standard 380V AC 3-Phase 50/60 Hz, 3.3 - 5.5 kVA motor (varies depending on blocker size). Opt. 220V, 110V 1-Phase 50/60 Hz (for some models/sizes only), optionally 24V DC for emergency situations in case of power failure.
Control Pack	24V DC powered and PLC control unit is placed in power unit cabinet. Solenoids 24V DC (Ops.12V DC / 220V AC)
Speed	Standard Operation ~4 - 6 sec. (ascend/descend) (opt. 2.5 - 4 sec.) depending on unit dimensions. Emergency raise up (upwards) by optional hydraulic accumulator ~1.5 sec. and may vary depending on unit dimensions.
IP Rating	IP 55 - Hydraulic Power Unit, IP 67 - Electronics (optional), protection with housing/box IP 68 - Hydraulic Piston
Crash / Impact Rating	Designed and produced to withstand M40 P1 (K-8).

TECHNICAL FEATURES (CONTINUED)

Battery Back-up for Power-off Situation	Battery unit with capacity of min. 100 movements (50 deploy + 50 retract) when fully charged is optionally available.
Axle Load Resistance	40T
Hydraulic Cylinder Unit	Heavy duty, dust sealed electrostatic powder coated hydraulic cylinder. Models between 1 - 4 metre widths contain a single piston. (Double piston versions are optionally available for models with 4 metre widths). Models between 4.5 - 6.5 metre widths contain double pistons. Cylinder unit features a safety valve against leakage and hose failure.
Hydraulic Power Unit	Strengthened industrial pump, 40-120 lt oil tank capacity with magnetic metal collector and particle filter, Built-in oil level and temperature indicator, 70-80 Bar pressure; maximum running pressure is 120 Bar 10 mt R2 (double wire braided mesh) reinforced hydraulic hose.
System	Down, Up, Emergency and external sensor inputs/outputs (e.g. loop detector, beam detector, Signalisation, Remote Control, etc.) System alerts with an audio signal during lowering and raising operation. A loud siren output in case of alarm or emergency. Can be lowered or raised automatically in case of emergency (User's preference). Can be lowered and raised manually in case of power failure or during the maintenance service with manual pump and manual valve feature. Automatic raise up mode deploys (optionally with synchronised loop detector) the road blocker after the vehicle has passed over. Sensor controlled stopping both at the top and bottom positions of the blocker unit
Power Unit	Motor, hydraulic pump and solenoid valves are contained in an easily accessible hot-dip-galvanised and electrostatic powder painted cabinet with a built-in lock lid. (Opt. Stainless Steel Cabinet) Cabinet Dimensions: 1000 x 570 x 1200 mm (W x L x H).
Blocker Cabinet (underground unit)	All parts are coloured with industrial paint with two components. U-shaped profile structure for maximum strength. The blocker and cabinet are designed so that no vehicle crashing effect can displace it after embedded or installed into the ground.
Blocker Unit (impact blocking unit)	All parts are coloured with industrial paint with two components. Hot dip galvanised vehicle pass through surface (top plates). The construction is aesthetically and functionally completed with reflecting strips and warning signs. The hinge system is specially designed to have a flattened surface level with the top plate so that vehicles can pass over smoothly and quietly. Top panel where the vehicle pass over is made of 8/9mm thick non-slip surface steel hot-dip galvanised before paint. The system moves up and down with 50mm diameter stainless steel hinges (example: 3 metre blocker contains 7 pieces of 50mm diameter stainless steel hinges). Blocker unit raises 45° angle from the ground level and can be equipped with optional flashing light indicators on side and front panels. A top lid is provided for easy access for service and maintenance on the top plate.
Control System	Manual Control Button Unit: Provided with an IP67 CRM yellow box including 3 switches for downwards, upwards, stop (optional emergency operation), can stop the blocker motion with the command/signal coming from detector, equipped with built-in LED visual indications. Compatibility with Access Control Systems: Compatible with any access control system (by third parties). Optional Unit: With the optional model "RB CONT.UNIT.V.001" users can monitor the diagnostic functions, can be accessed through LAN, RS485 protocols. System is provided inside a metal cabinet that also includes the other functional switches like downward, upward, stop, emergency operations. With the built in 124x68 LCD screen, all status of the operation and system diagnostic can be monitored through messaging functions like oil status, loop or beam detectors status, water level inside the cabinet, blocker position according to user preference, any .bmp files can be displayed. The system is driven by the PLC.
Optional Features and Accessories	Traffic lights (red-green), traffic light pole, loop detector (double/single contact), beam detector, 220V, 110V motor, 24V DC for emergency situations in case of power failure, remote control (receiver and transmitter are 3 channels), UPS, photocell sensor (receiver + transmitter with 50cm height pole), RB CONT. UNIT.V.001 control unit, intercom, external buttons, emergency submersible pump, hydraulic accumulator for emergency fast raise up (1 piston or 2 pistons systems), surface frame (sizes: from 250mm to 1000mm), oil cooler, oil heater, heater for electronic components, hot-dip galvanisation for cabinet, blocker and impact surface units, double effect hydraulic unit, double speed hydraulic unit, ground mounting plate, powered audio signal (siren), PLC diagnostic monitor, flashing light indicators, round shaped front panel, oil level sensor, optional speed, IP67 box (for PLC, SMPS, connectors etc inside power unit).
Installation	Easy Installation with C30 grade concrete and steel rebar reinforcement.