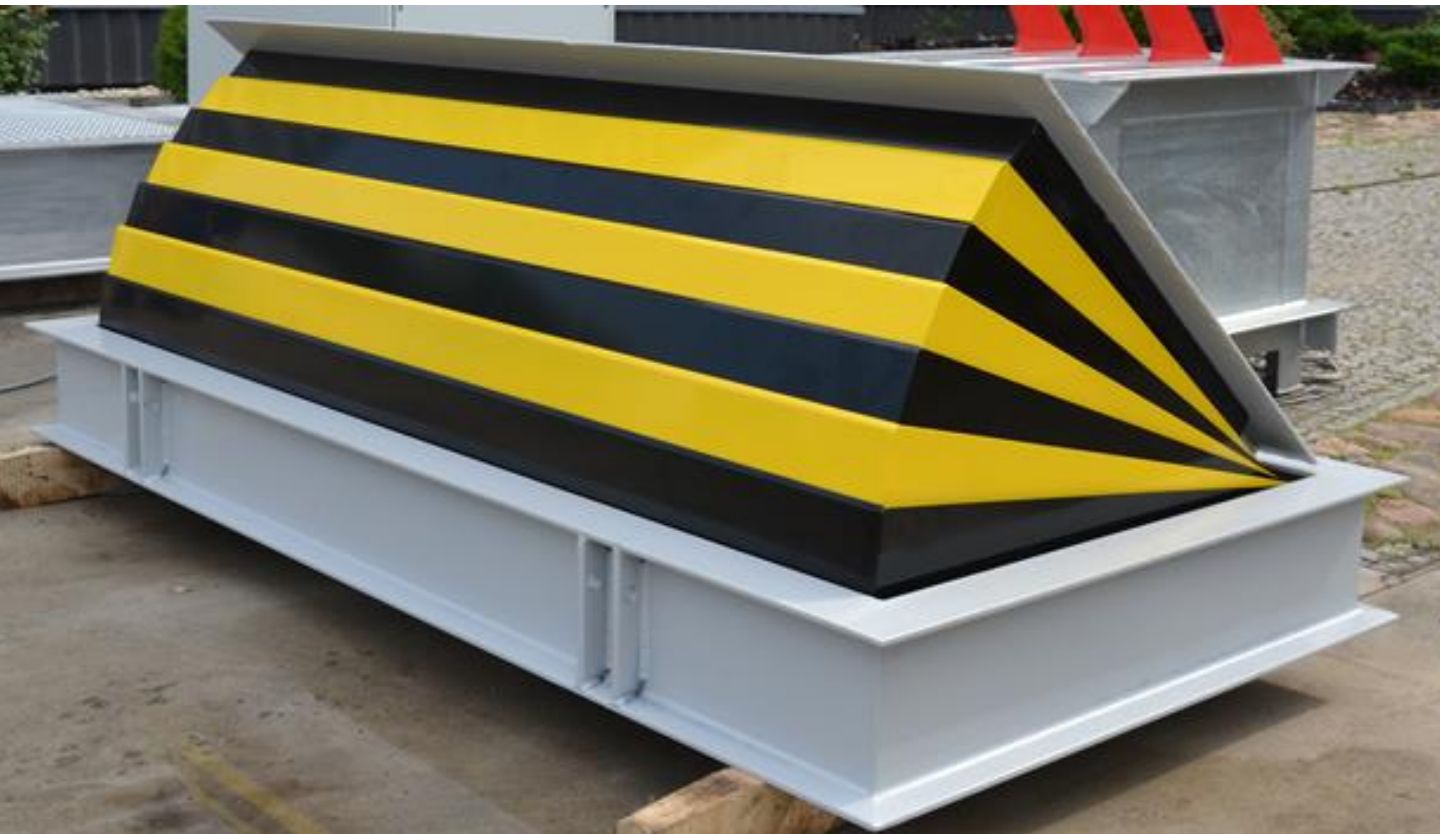


SHALLOW MOUNT HYDRAULIC ROAD BLOCKER/MODEL PROTECTOR



Technical information:

Solid steel construction with hot dip galvanized & RAL coating.

Width:	From 1.0 to <u>4.0 meter</u>
Height:	550mm
Construction height:	200mm
Electrical engine:	Hydraulic unit with three phase motor
Electrical system:	PLC system on separate cabinet
Operating time:	approx <u>4.0 to 5.0 second</u> (optional 1.5s with EFD)
Operating temperature:	-40°C to +60°C (optional 70°C)
Main power:	3x400VAC 50Hz
Protection rated:	K4
Warranty:	24 months

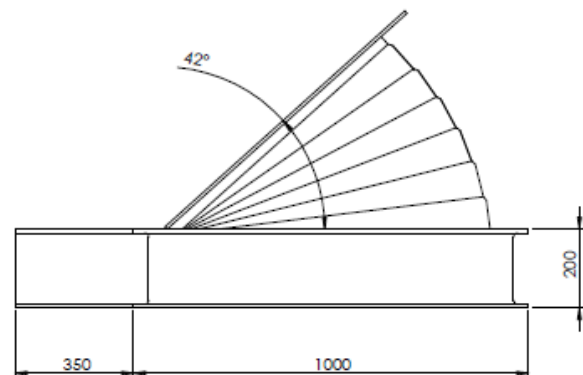
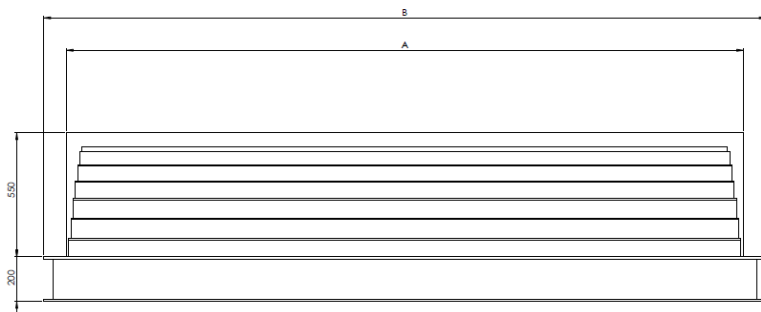


File ver. 5, revised 25.01.2018

SHALLOW MOUNT HYDRAULIC ROAD BLOCKER

MODEL PROTECTOR

Installation type:	Underground
Structure type:	Solid steel construction with hot dib galvanized
Width of blocked space:	From 1000 mm to 4000 mm
Height of raised obstacle:	Standard is 550 mm
PLC (Programmable Logic Controller) type:	MITSUBISHI PLC located in external cabinet (service worldwide)
PLC (Programmable Logic Controller) location:	In external cabinet located up to 7 meter away from road blocker
Electro-hydraulic drive unit:	In external cabinet up to 7 meter away from road blocker. A lockable weather resistant enclosure/cabinet is provided for the HPU. The desing provides easy access to HPU for maintenance and emergency operations of the hydraulic system. Enclosure is provided in the corrosion resistant coating.



SHALLOW MOUNT HYDRAULIC ROAD BLOCKER

MODEL PROTECTOR

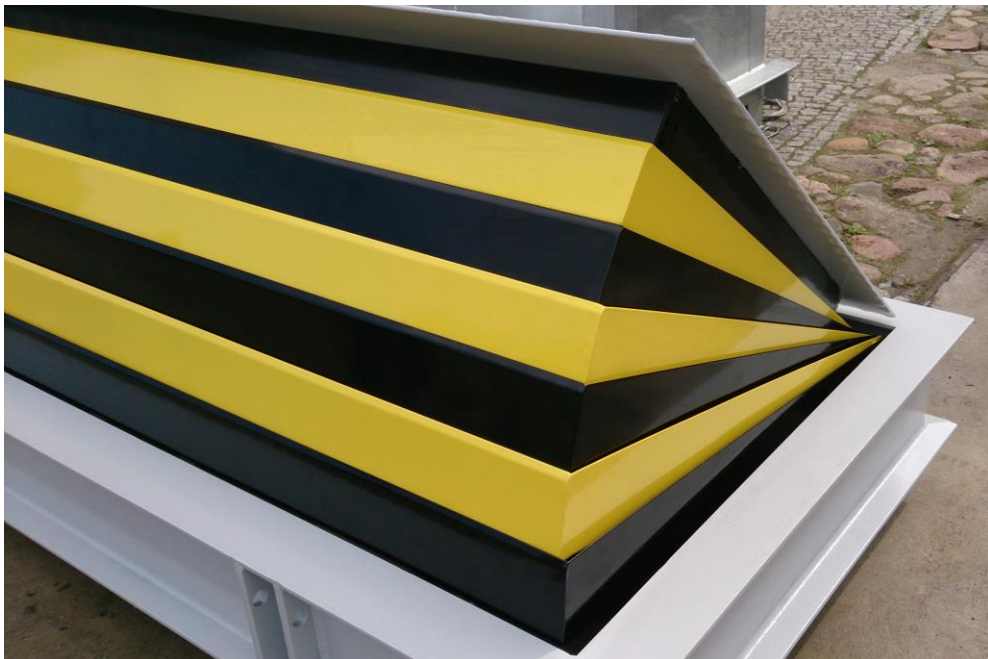
Axis load:	Standard 8 tones (higher axis load available on request, please Contact our sales department)
Operation temperature:	From -40 to +60 degree Celsius (higher temperatures available on request, please contact our sales department)
Top cover:	Made of 6 or 8 mm anti sliperry checker plates hot dip galvanized acc. ISO EN 1461
Standard equipment (included in the basic set):	<ul style="list-style-type: none">- Guardian panel for operations- Integrated line of photocells- Service keys in cabinet RAISING-STOP-LOWERING- Emergency stop button- Hydraulic Manual Emergency Pump (Manual operation in case of power supply failure, allows to raise and lower the road blockers in case of power failure)- 9 m long Hydraulic Hose and electric wires
Emergency manual opening:	By integrated hydraulic Manual Emergency Pump
Corrosion protection:	All steel elements hot dib galvanized, mobile obstacle powder painted to YELLOW/BLACK
Control devices:	Service keys in cabinet RAISING-STOP-LOWERING Emergency stop button
Opening time:	Approx. 4-6 seconds
Emergency manual opening:	By integrated hydraulic pump
Corrosion protection:	All steel elements hot dib galvanized acc. ISO EN 1461, moving element painted yellow/black strips
External cabinet system protection grade:	IP 55
Power supply:	3x400VAC 50Hz,
Resistance to impact:	Very resistance to impact (stop a heavy vehicle launched at high speed) rated by desing to K4 (ASTM F2656-07 M30-PI) standard.

SHALLOW MOUNT HYDRAULIC ROAD BLOCKER

MODEL PROTECTOR – OPTIONAL EQUIPMENT

Against surcharge, not included in the basic set

- ✓ Emergency Fast Opening (1,5 seconds) by Hydraulic Accumulator
- ✓ 2 channel loops detector
- ✓ UPS (Unlimited Power Supply) allowing to operate a chosen amount of cycles
- ✓ Separate traffic post with LED RED/GREEN light
- ✓ Remote controller
- ✓ Proximity card post
- ✓ Internet online control module TCP/IP
- ✓ Ethernet online control module (LAN)
- ✓ Integration with Milestone, Honeywell (Prowatch) or Bosch (BIS) system



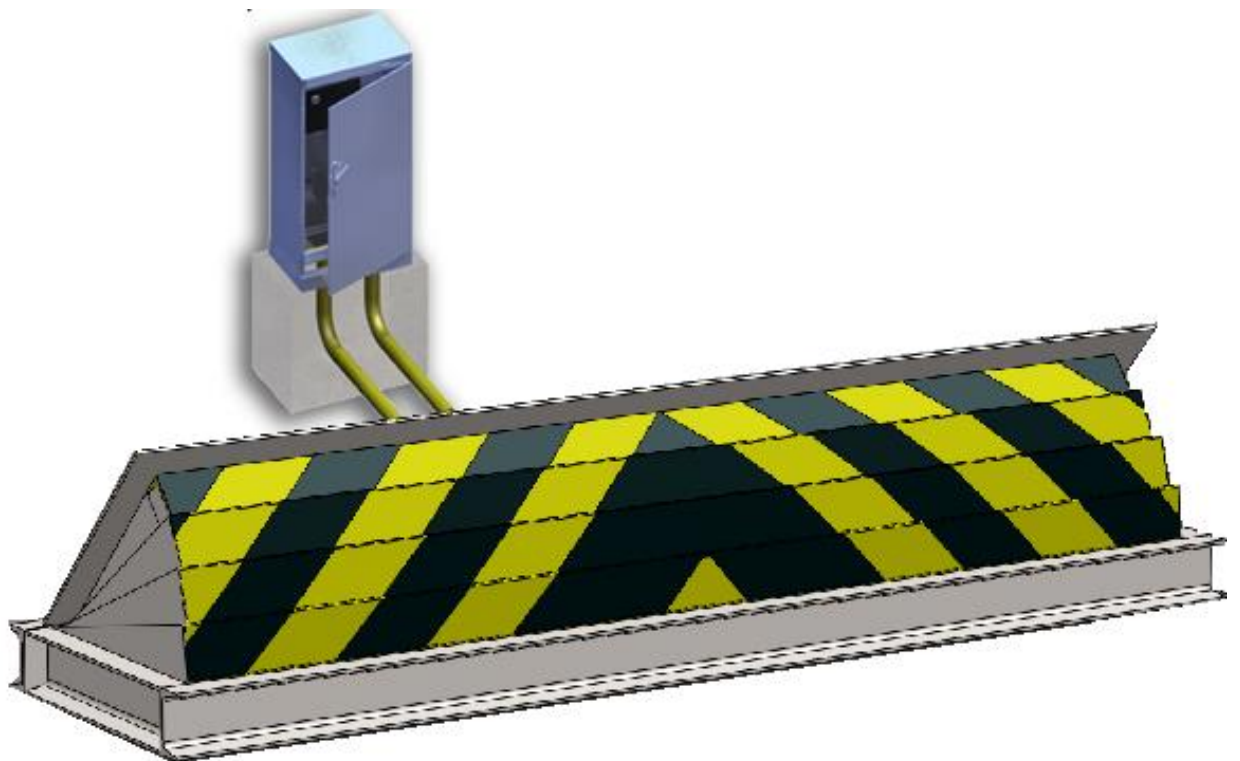
SHALLOW MOUNT HYDRAULIC ROAD BLOCKER

MODEL PROTECTOR – ELEMENTS OF SYSTEM

The system consist of:

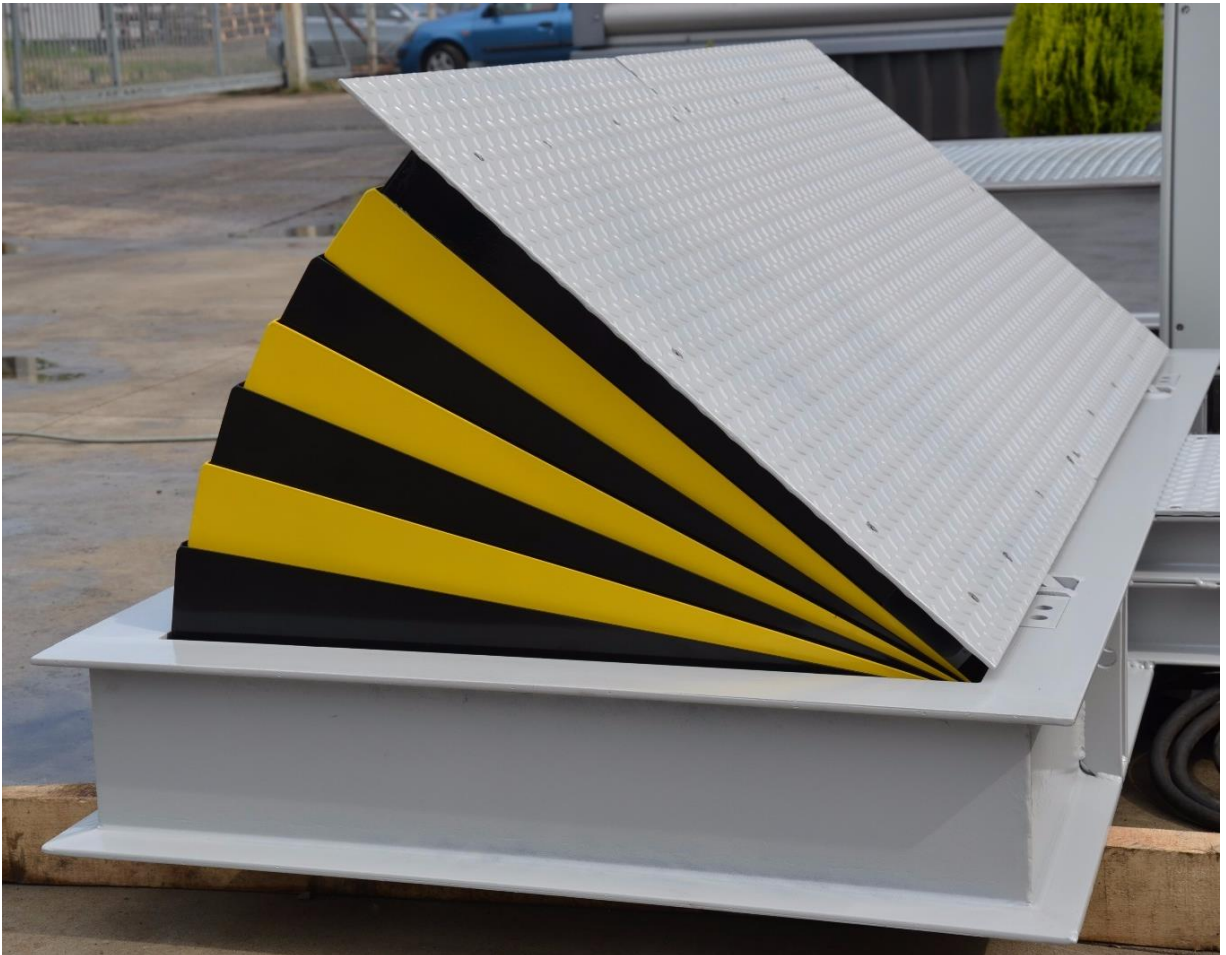
- Road Blocker which absorbs the impact
- Outside Cabinet with Control Box with drive unit which is to be placed up to 7 meter form the Road Blocker

Both elements of the system are connected with 9 metres long electrical cables and 9m long hydraulic hoses, which have to be place into the ground in round connection pipes during mechanical installation.



SHALLOW MOUNT HYDRAULIC ROAD BLOCKER

MODEL PROTECTOR



SHALLOW MOUNT HYDRAULIC ROAD BLOCKER

MODEL PROTECTOR – EXTERNAL CABINET WITH DRIVE UNIT & CONTROL UNIT



HPU + internal cabinet



HPU+ Internal Cabinet IP66



External Cabinet IP55



Internal Cabinet IP66

SHALLOW MOUNT HYDRAULIC ROAD BLOCKER

MODEL PROTECTOR – STANDARD EQUIPMENT

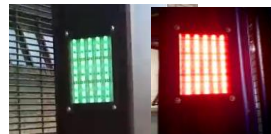


→ Control Console

MODEL PROTECTOR – OPTIONAL EQUIPMENT



→ Proximity Card Reader



→ LED traffic post



→ Loop Detector



→ UPS/ Unlimited Power Supply



→ Safety Photocells



→ Hydraulic Accumulator for Emergency Fast Operations



→ LED traffic light on separate post