



SHALLOW MOUNT ROAD BLOCKER/MODEL SHIELD



Technical information:

Solid steel construction with hot dib galvanized & RAL coating.

Width: From 1.0 to 6.0 meter

Height: From 650 mm to 1200 mm (standard is 650 mm)

Construction height: 340 mm

Electrical engine: Hydraulic unit with three phase motor Electrical system: PLC system on separate cabinet

Operating time: adjustable 4.0 to <u>6.0 second</u> (optional 1.5s with EFD)

Operating temperature: -40*C to +60*C (optional 70*C)

Main power: 3x400VAC 50Hz
Protection rated: K4 or K12
Warranty: 24 months



File ver 5 revised 25 NI 2NI8



MANUFACTURER OF GATES AND SECURITY SYSTEMS

SHALLOW MOUNT ROAD BLOCKER

MODEL SHIELD

Installation type:

Structure type:

Width of blocked space:

Height of raised obstacle:

PLC (Programmable Logic Controller) type:

PLC (Programmable Logic Controller) location:

Electro-hydraulical drive unit:

Underground

Solid steel construction with hot dib galvanized

From 1000 mm to 6000 mm

From 650 mm to 1200 mm (standard is 650 mm)

MITSUBISHI PLC located in external cabinet (service

worldwide)

In external cabinet located up to 7 meter away from road

blocker

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.









MODEL SHIELD

Axis load:

Operation temperature:

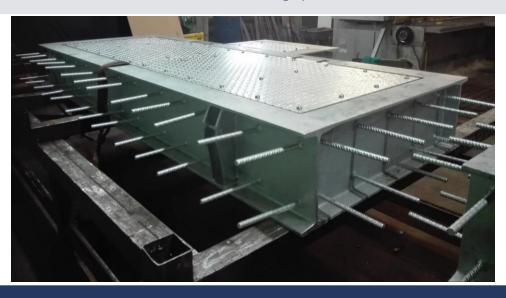
Top cover:

Standard equipment (included in the basic set):

Standard 11,5 tones (higher axis load available on request, please Contact our sales department)
From -40 to +60 degree Celsius (higher temperatures available on request, please contact our sales department)

Made of 6 or 8 mm anti sliperry checker plates hot dip galvanized acc. ISO EN 1461

- Constrol console panel (pushbutton type) for operations IIP-NOWN-EMERGENCY-STOP
- 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)
- 2 pcs integrated traffic LED lights on blocking segment
- 9 m long Hydraulic Hose and electric wires







MODEL SHIELD

Emergency manual opening:

Corrosion protection:

Control devices:

Opening time:

Emergency manual opening:

Safety lingt:

Corrosion protection:

External cabinet system protection grade:

Power supply:

Resistance to impact:

By integrated hydraulic Manual Emergency Pump All steel elements hot dib galvanized, mobile obstacle

powder painted to YELLOW/BLACK

Service keys in cabinet RAISING-STOP-LOWERING

Emergency stop button Approx. 4-6 seconds

By integrated hydraulic emergency pump

2 pcs safety lights integrated on blocking segment All steel elements hot dib galvanized acc. ISO EN 1461,

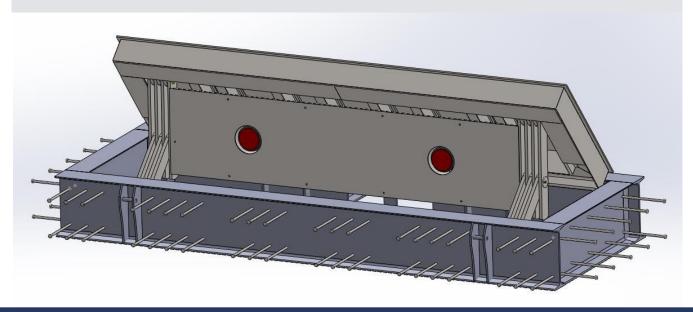
moving element painted yellow/black strips

IP 55

3x400VAC 50Hz

Very resistance to impact (stop a heavy vehicle launched at high speed) rated by desing to K4 (ASTM F2656-07

M30-P1) standard.







MODEL SHIELD - DEDICATED SPECIFICATION

Electro-hydraulical 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 design provides easy access to HPU for maintenance and emergency operations of the hydraulic system. Enclosure is provided in the corrosion resistant coating





MANUFACTURER OF GATES AND SECURITY SYSTEMS

SHALLOW MOUNT ROAD BLOCKER

MODEL SHIELD - 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), Bosch (BIS) system or other systems



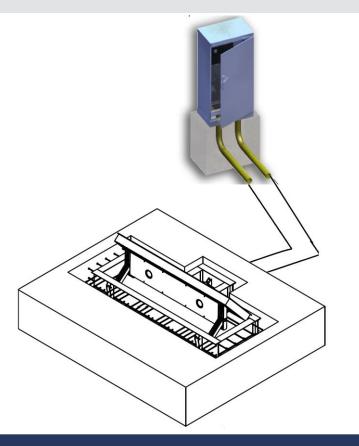


MODEL SHIELD - ELEMENTS OF SYSTEM

The system consist of:

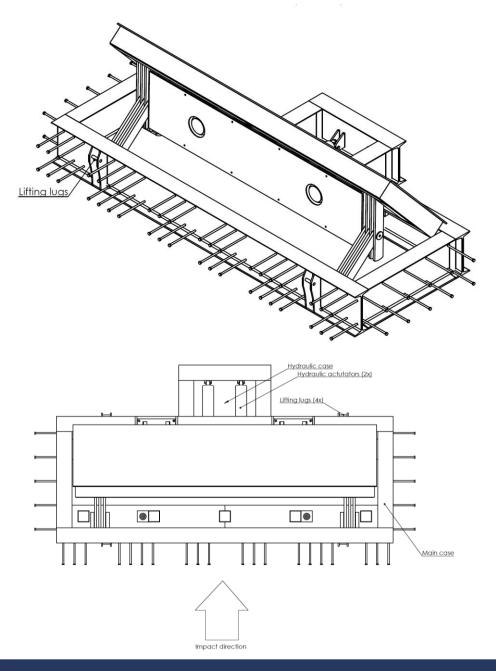
- Road Blocker which absorbs the impact
- Outside Cabinet with Control Box with drive unit which is to be placed up to 7 meter form the Road Blocker

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.



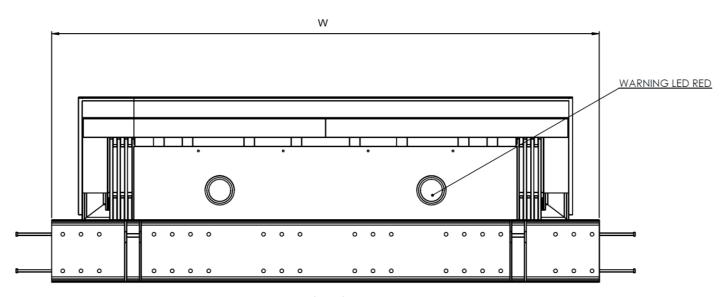


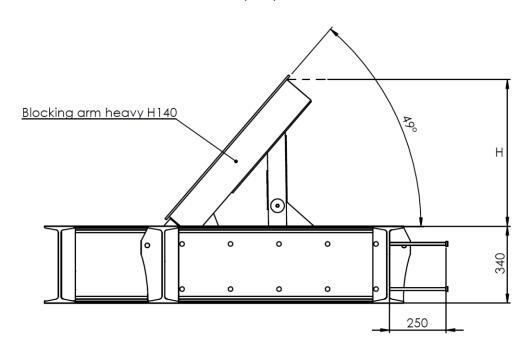
MODEL SHIELD - TECHNICAL DRAWINGS





MODEL SHIELD - TECHNICAL DRAWINGS







MODEL SHIELD - EXTERNAL CABINET WITH DRIVE UNIT & CONTROL UNIT



HPU + internal cabinet



External Cabinet IP55



HPU+ Internal Cabinet IP66



Internal Cabinet IP66



MODEL SHIELD - STANDARD EQUIPMENT



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



MANUFACTURER OF GATES AND SECURITY SYSTEMS

SHALLOW MOUNT ROAD BLOCKER

MODEL SHIELD - INSTALLATION WORKS





SAMPLE SITE ENTRANCE CONFIGURATION







MODEL SHIELD – SAMPLE SITE ENTRANCE CONFIGURATION

