



The new **ARMIS automatic roadblockers** with integrated hydraulic drive are used both for passageways with increased passage frequency and for simple high-security barriers. They are suitable for access control in city centers or for sensitive areas such as company and industrial entrances, research centers, embassies, police facilities, military bases and many more.

Automatic ARMIS roadblockers convince by:

- proven safety
- high operational safety
- long service life due to very high corrosion resistance
- intelligent control with optional remote monitoring
- low installation depth
- optimal visibility

Design

The timeless, reduced design blends in well architecturally. The innovative LED lighting ensures optimum visibility by day and night.

Quality and durability

Both the roadblocker itself and the integrated hydraulic drive are designed for an extremely long service life. High-quality materials and components guarantee this. All parts are made of hot-dip galvanized steel, stainless steel or other non-corrosive materials.

Certification

Engineered solution according to IWA 14-1:2013
Impact resistance: 7.2t@48km/h



Different control types in operating columns, wall distributions or floor standing booths allow a simple and intelligent control with different operating modes. The **new smart control system** enables continuous self-monitoring through various sensors. The advantages of the new control system:

- self-monitoring roadblocker/plant
- detailed error analysis, shown on the control display
- automatic manual emergency lowering (option)
- automatic emergency lowering in case of malfunction (programmable)
- visual indication in case of malfunction
- special flashing sequence of the head lighting for fault indication
- brightness adjustment / acoustic prewarning

- automatic adjustment of the brightness of the LED lighting and switching off of the acoustic pre-warning (at night) by means of geo-coordinates
- data acquisition and storage
- simplified fault analysis or investigation of evidence in case of incidents (accidents/collisions)

Remote monitoring and control (optional)

Optionally, we offer remote monitoring and control via cloud platform (web-based). The advantages:

- status display of the plant in real time
- web-based control of the plant
- automatic fault messages via e-mail / SMS

Options

Heating

In higher areas it is advisable to install a thermostatically controlled heating system. This is automatically controlled with temperature sensors.

Customized Roadblocker

We manufacture the roadblocker of your choice:

- Surface painted in desired RAL color or shell of stainless steel ground or Corten steel.
- laser engravings with logo and/or lettering
- different head illumination
- warning markings

Control columns / terminals

We manufacture suitable operating columns and control elements in individual design.

The advantages at a glance

- restrained design with stainless steel cover
- hot-dip galvanized and RAL color coated stainless steel segment cover
- vandal- and operation-proof
- powerful, energy-efficient and durable hydraulic drive with bio-oil
- drive built into the roadblocker for decentralized functionality
- intelligent control with self-monitoring
- excellent visibility thanks to LED bar for advance warning of lifting in lowered position
- low installation depth of 50 cm with a blocking height of 83.8 cm
- EFO drive: quick lift in case of emergency in 1.5 s (optional)
- manual lowering in case of malfunction by unlocking the roadblocker

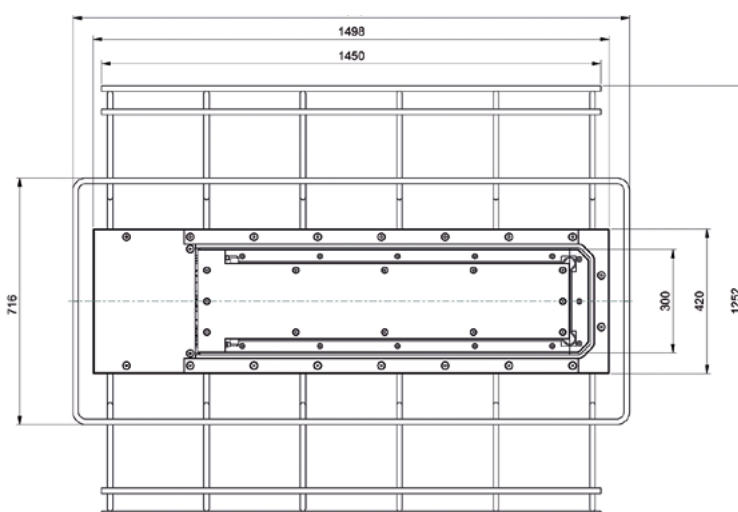
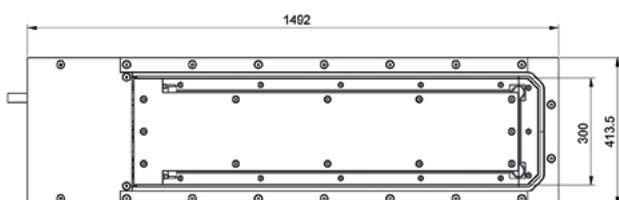
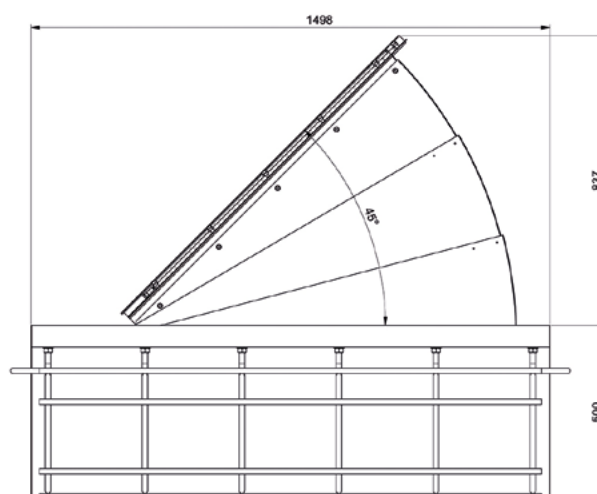
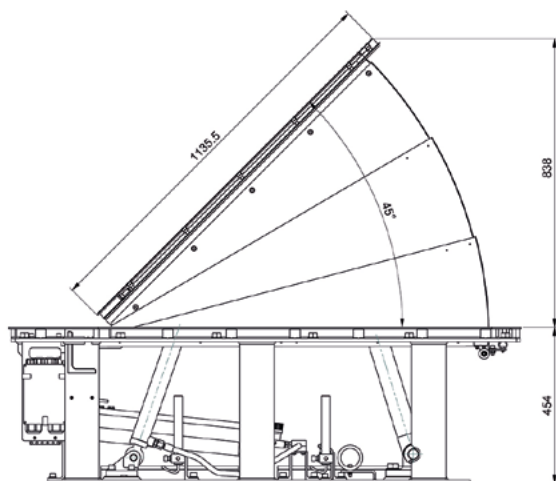
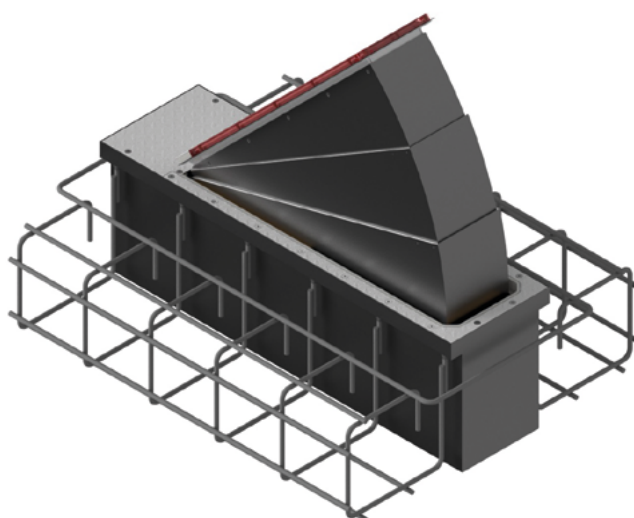
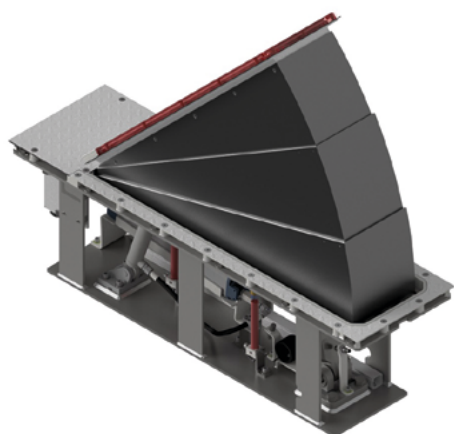
Shock resistance

CIR*	15 30	25 40	35 30	72 30	72 40	72 50	75 30	75 40	75 50	120 30	120 40	300 30	300 40
Speed km/h (kph)	48	64	48	48	64	80	48	64	80	48	64	48	64
Speed m/h (mph)	30	40	30	30	40	50	30	40	50	30	40	30	40
Vehicle weight (kg)	1500	2500	3500	7200	7200	7200	7500	7500	7500	12000	12000	30000	30000
Kinetic energy (kJ)	133	395	311	640	1138	1778	667	1185	1852	1067	1897	2667	4741

* Consel Impact Rating (Strength classes high safety products)

Technical specifications

Type	Roadblocker made of high-strength steel in compact design with low installation depth and with integrated hydraulic drive. Connection of the Roadblocker via normal control lines to the external control distribution.
Substructure	compact, extremely strong roadblock frame made of hot-dip galvanized steel with color coating.
Blocking element	Segment width 300mm (including frame) and height from floor 838mm
Material of segment	High strength hot dip galvanized steel painted; with stainless steel cover ground.
Corrosion protection	all components made of hot-dip galvanized steel or non-rusting materials.
Lost formwork	Zinc plate shaft (assembly trough) with hot-dip galvanized steel frame and integrated reinforcement cage for setting in concrete - for a simple and inexpensive foundation design.
Drive	integrated electro-hydraulic drive with bio-oil (Plantohyd S22)
Drive power	550 W (per Roadblocker)
Controls and lines	Control for 1 - 4 roadblockers installed in control box or cabin. Standard cable with cable length max. 80 m
Cover of the barrier	Stainless steel checker plate
LED illumination	Multi-LED strip protected with continuous light or flashing adjustable (red/white/blue/green or RGB)
Running-in time (lowering)	4,5 seconds
Extension time (lifting)	6,5 seconds (ca. 1,5 seconds with EFO)
EFO (Emergency fast operation)	optional
Bollard control	in separate wall distribution or cabins
Protection class bollard side	IP 65
Load class (ISO EN124)	D400 (40 t); wheel load 25 t
Frequency of use / duty cycle	intensive use (> 2'500 movements / day)
Reflector adhesive tapes	Reflector tape white (55 mm)
Operating temperature	-15° C to +70° C / -40° C to +70° C c (with heating - optional)
Heating for winter operation (optional)	2 x 80 W with thermostat control (built into the roadblocker)
Force limitation during lifting	none; optionally possible
Acoustic warning (optional)	built in roadblocker; can be switched off
Emergency operation / emergency lowering	manual unlocking, roadblocker remains up in case of power failure. Optional: battery-assisted remote fot lowering
Impact resistance / shock resistance	maximum resistance strength: 850 kJ Impact resistance: 500'000 J / Breaking strength: 850'000 J
Certification / Performance Rating	Calculated according to IWA 14-1:2013
Weight roadblocker	237 kg
Weight shaft with reinforcement (without cover)	92 kg
Foundation mass	1500 x 1800 x 500 mm



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