



designed for security

ARMIS ONE Mobile vehicle barrier

Temporary access control and hostile vehicle mitigation

Temporary HVM solution and access control

ARMIS ONE was designed to provide hostile vehicle mitigation and security for public realm environments, festivals and events, Christmas markets and many more. This modular barrier offers excellent security while allowing authorised vehicles to pass through.



ARMIS ONE mobile HVM barrier: Security and flexibility in one

ARMIS ONE regulates access routes and provides effective protection against hostile vehicle attacks. Access and escape routes remain accessible without any restriction of visibility.

Surface mounted

ARMIS ONE is simply placed on the ground without any ground connection – on non-slip, integrated supports. The barrier modules can be used individually or in combination with other modules.

Effective protection on all surfaces

When a vehicle hits it, anchor claws dig into the ground and transfer the energy of the vehicle into the ground. This works in principle on all road surfaces – but with different penetration depths. The specially designed modules and ramps also compensate for slight road gradients, unevenness or differences in height. Larger differences in height such as curbs or street islands can be overcome with connectors. In order to reduce crossing noise and impact sound to a minimum, the base elements and ramps have permanently integrated rubber pads.

Maximum flexibility due to foldable barrier segments

Barrier segments that are lowered manually allow delivery and emergency vehicles to pass in a controlled manner.

Design & Engineering by Consel Group.



Effective protection – easily foldable

The ARMIS ONE's easily foldable barrier elements are a special highlight. If an access option is required for emergency vehicles, business trips or deliveries, then the elements can be folded down with little effort. With a lowered segment you then have an access width of 3.0 metres, with two segments a width of 4.9 metres – suitable for HGVs and fire engines.



Modular system

The barrier consists of a base module and removable ramps. The individual modules can be easily and quickly connected with connecting plates. All parts can be stacked to save space for transport and storage.

Certification

Standard crash test and certification to IWA 14-1 and ASTM F2656 (7.2t@48km/h) with a penetration depth of 6.6 metres, one of the best test values ever achieved*.



Advantages

- Allows access to emergency vehicles and deliveries within seconds by manual lowering
- Perfect passage/escape route width of 1.2 metres between the barrier segments
- Unhindered access for pedestrians, cyclists and wheelchairs (height: only 110mm)
- Space-saving, stackable and easy to transport
- Swift installation
- No additional fixing to kerbs or other fixed points required
- Supervision- and by and large maintenance-free
- Vandal-proof and can be used repeatedly
- Individual customisation and integration into other security systems and local conditions

* for mobile barriers with manually lowerable barrier elements

Clever logistics concept

Large barrier segments with small space requirements? Precisely! ARMIS ONE was designed to stow all accessories such as fasteners, cover plates and tools inside the barrier. In addition, both the barrier elements and the ramps can be stacked individually. The ramps also have space for supply cables or other equipment.



Heavy duty pallets for storage and transport

Heavy duty pallets – specially designed for ARMIS ONE – allow for tidy stacking that is safe for transportation. As the pallets can also be stacked one below the other, the required storage space is reduced to a minimum. The pallets can be lifted on both sides with forklifts or pallet trucks.

Maintenance-free

Unlike automatic mobile vehicle barriers, ARMIS ONE does not require regular maintenance. The robust construction and the manual operation mode guarantee long-term, disruption-free operation. After intensive usage cycles or in case of severe weather conditions, we advise cleaning and lubrication of the moveable parts.



Quick assembly

Is it possible to secure a nine metre-wide road in just 30 minutes? No problem with ARMIS ONE! The individual elements are placed on the ground with a forklift truck or small crane – without being connected to the ground in any way. The barrier elements can be connected to each other with special connectors, which further increases their effectiveness. Just attach the ramps and you are done! Personnel required: one crane operator and two workers.

Customised design

Each ARMIS ONE barrier is individually manufactured for you. Therefore, we will gladly take into account the design and equipment you want. From paint finishes to lighting, right down to covers, handrails, counting devices, sponsoring, information boards or flags.

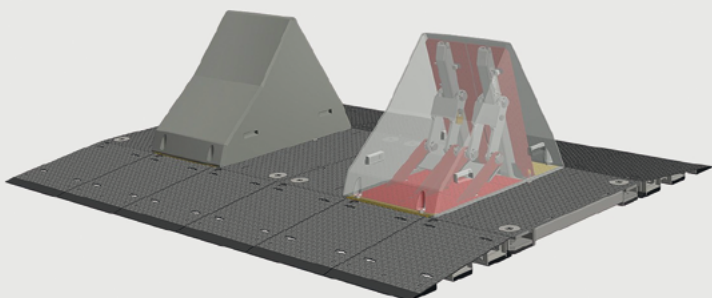


Handrails

Optionally available handrails are used for lateral labelling and definition of the barrier and as a fall prevention measure. The long version extends over the entire length of the barrier element including ramps, and the short version over the length of the barrier element without ramps.

Covers

Red covers for the barrier segments are included as standard (see picture above). These prevent waste accumulation during longer periods of use. The barrier can be operated with or without covers. However, we recommend using the segments intended for lowering without covers so as to reduce the opening times.

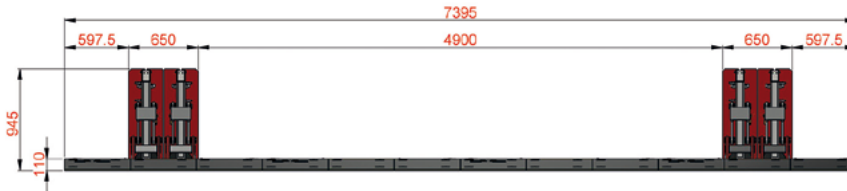


Covers hoods

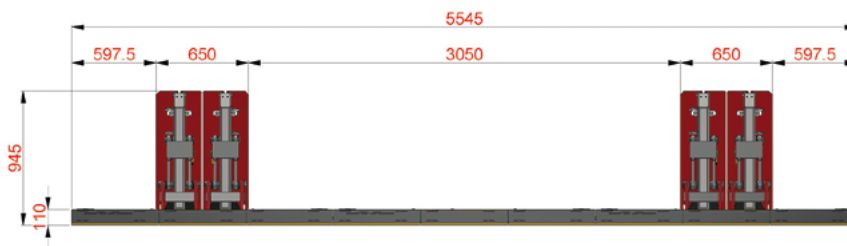
Some like the military look. Others want mobile vehicle barriers to appear as neutral and unobtrusive as possible. We have taken this wish into account: the cover hoods for the barrier segments made of reinforced plastic offer extra protection against vandalism and can be used as advertising space.

Maximum flexibility

The ARMIS ONE barrier module can be used individually or as a chain with several modules. Depending on your requirements, vehicle barriers of different widths and variable access widths can be made.

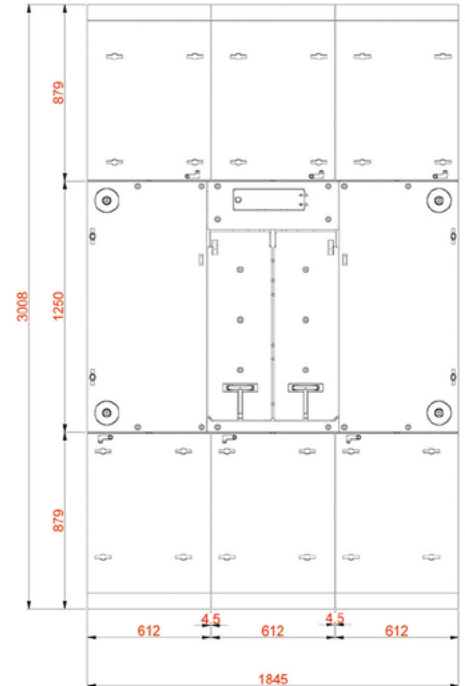


Barrier with four elements: two closed, two lowered. Clearance width: 4.9 metres.



Barrier with three elements: two closed, one lowered. Passage width: 3 metres.

Dimensions of a barrier element with ramps:

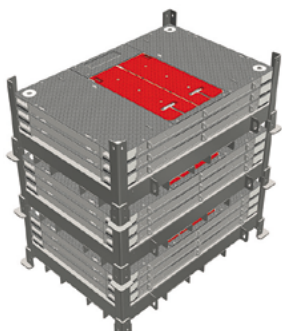


Handrails



Handrails in two versions:
short and long

Heavy duty pallets



Pallets for barrier modules
for three modules

Illustration:
three pallets stacked



Pallets for ramps
offers space for
18 ramps (three modules)

Illustration:
two pallets stacked

Technical specifications

| | |
|---|--|
| Elements: | Basic module with removable ramps |
| Type of construction: | Galvanised steel with replaceable non-slip supports and four connection points for linking the modules; slip-resistant ramps with rubber feet |
| Width: | 1845 mm |
| Length without ramps: | 1250 mm |
| Length in driving direction incl. ramps: | 3008 mm |
| Height from floor: | 110 mm |
| Weight of the module, with ramps: | 815 kg |
| Weight of the module, without ramps: | 549 kg |
| Accessibility (weight): | 40 t (D400) |
| Axle load per module: | 10 t |
| Impact resistance / impact load: | 750'000 Joule (Breakout Resistance) |
| Certifications: | IWA14-1:2013 Blocker V/7200N2B/48/90:6,6 (7.2t@48km/h) ASTM F2656/F2656M-15, P2 (7.2t@48km/h) |
| Options: | <ul style="list-style-type: none"> ■ Individual colour design ■ Handrails (short/long) ■ Cover hoods for blocking segments ■ Heavy duty pallets for storage and transport of the elements ■ Cover sheets for heavy duty pallets ■ Additional protection against manipulation |

Links:



website



product video



crash test video

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Safe, reliable,
functional and
economical.