



designed for security

Mobile vehicle barrier ARMIS ONE

Temporary access control and hostile vehicle mitigation

Temporary event security and access control

No matter whether it is a festival, fair or Christmas market: the protection of visitors from possible vehicle ramming attacks remains a major issue. With ARMIS ONE we have succeeded in creating a mobile barrier which keeps vehicles away, offers the highest level of protection and at the same time allows targeted passage.



Mobile HVM barrier ARMIS ONE: Security and flexibility in one

ARMIS ONE effectively secures festival grounds from vehicle ramming attacks. Access and escape routes remain passable for the disabled and visibility is unrestricted.

Set on the ground

ARMIS ONE is simply placed on the ground – without any further ground connections – on non-slip, integrated supports, depending on the condition of the ground. The blocking modules can be used individually or in combination with other modules.

The mode of action

Each module has special anchor claws, which drill into the ground on impact. No further anchoring on kerbstones or fixed points is necessary.

Another plus

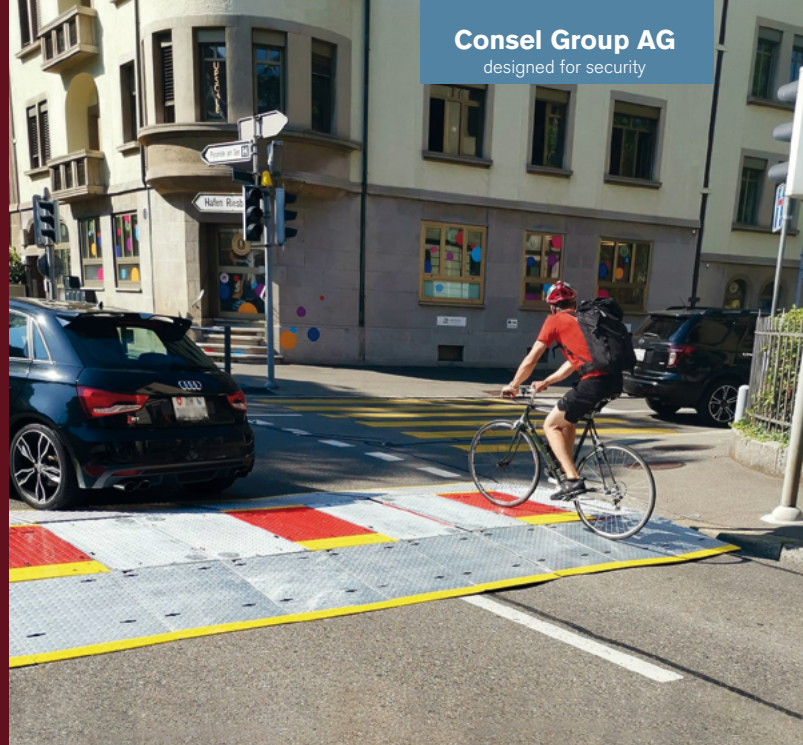
The individual modules can easily be linked to each other. This also increases the effectiveness of the barrier. Slight inclinations, unevenness or differences in height can be accommodated by the movable ramps. Kerbstones or central islands can be surmounted with special connectors. Special rubber pads also minimise drive-over noise and footfall sound.

Design & Engineering by Consel Group.



Effective protection – easily foldable

The ARMIS ONE's easily foldable blocking segments are a special highlight. They allow controlled passage for emergency vehicles and deliveries. With one folded segment a passage of 3.0 metres width is created – which is wide enough for cars, commercial vehicles and cleaning machines. With two folded segments, the width is 4.9 metres, suitable for trucks and fire engines.



Modulares system

The barrier consists of a base module and removable ramps. The individual modules can be easily and quickly connected with perforated 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

- unhindered passage of the barrier for pedestrians, cyclists and wheelchair users (height: only 110mm)
- optimum passage and escape route with a width of 1.2 metres between the barrier segments
- easy manual lowering / folding of the blocking segments for controlled passage of emergency vehicles and deliveries
- individual adaptation and integration into other security systems and local conditions
- no additional anchoring on kerbstones or other fixed points necessary
- supervision- and largely maintenance-free
- vandal-proof and can be used repeatedly
- modules can be moved by forklift trucks
- space-saving, stackable and easy to transport

* for mobile barriers with manually lowerable barrier elements

Clever logistics concept

Large blocking elements with small space requirements? Exactly! ARMIS ONE was designed that way, that all accessories such as fasteners, cover plates and tools can be stowed 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 – enable clean and transport-safe stacking. 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 for a long-term, trouble-free operation. After intensive usage cycles or in case of severe weather conditions, it can be advantageous to clean and re-lubricate the moving parts.



Quick assembly

Is it possible to secure a nine metre wide road in just 30 minutes? No problem for ARMIS ONE! The individual elements are placed on the floor with a forklift truck or small crane – without any floor connection. 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 used: one crane operator and two workers.

Equipment and options

Each ARMIS ONE barrier is individually manufactured for you. Therefore we gladly consider your design wishes. From the lacquering to the lighting, right down to covers, handrails, counting devices, sponsoring, information boards or flags.

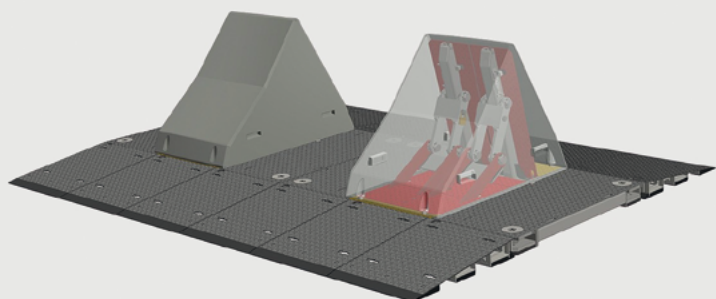


Handrails

Optionally available handrails are used for lateral marking and demarcation of the barrier and as fall protection. The long version extends over the entire length of the barrier element including ramps, the short version over the length of the barrier element without ramps.

Covers

Red covers for the blocking segments are included as standard (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.

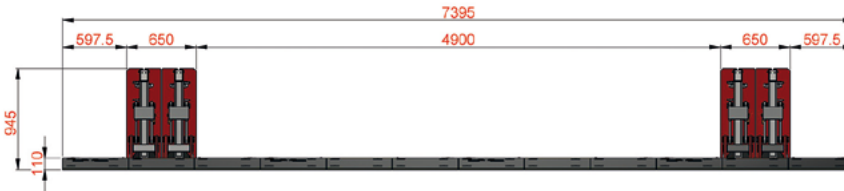


Covers hoods for blocking segments

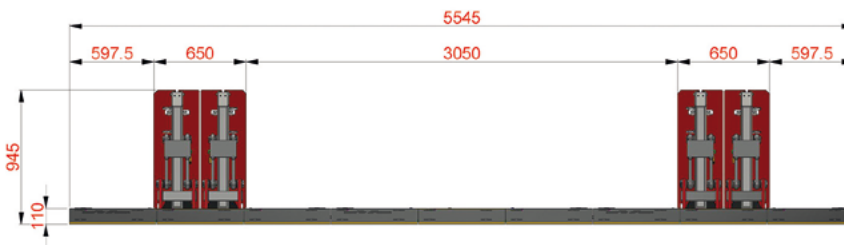
Some like it martial. Others want mobile vehicle barriers to appear as neutral and unobtrusive as possible. We now take this wish into account: We offer cover hoods for the barrier segments. These covers can be labelled as required.

Maximum flexibility

The ARMIS ONE blocking module can be used individually or as a chain of several modules. Depending on requirements, vehicle barriers of different widths and variable passage widths can be created.

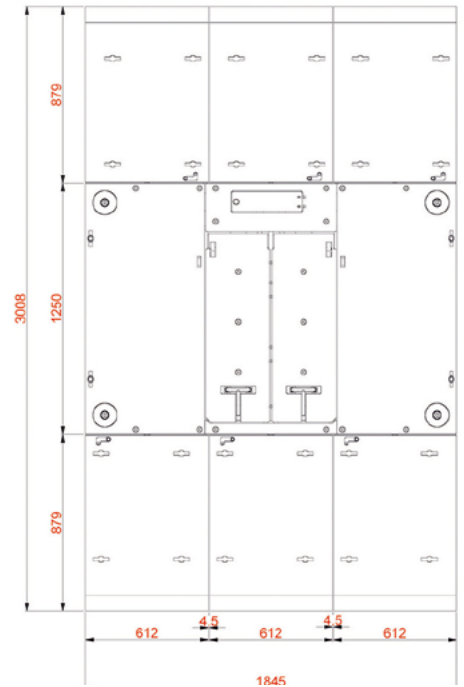


Barrier with four elements: two closed, two lowered. Clearance width: 4.9 metres.

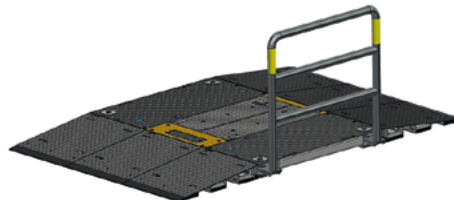


Barrier with three elements: two closed, one lowered. Passage width: 3 metres.

Dimensions of a barrier element with ramps:

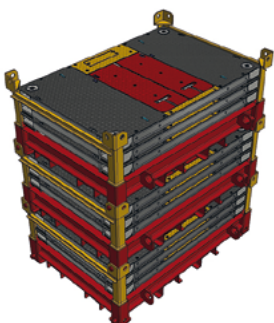


Handrails



Handrails in two variations:
short and long

Heavy duty pallets



Pallets for blocking modules

Available in two sizes:
for three or six modules.

Illustration:
3 x 3 pallets stacked



Pallets for ramps

A pallet offers space
for 18 ramps (three modules).

Illustration:
two pallets stacked

Technical specifications

Elements:	Basic frame 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 feets
Width:	1'845 mm
Length without ramps:	1'250 mm
Length in driving direction incl. ramps:	3'008 mm
Height from floor:	110 mm
Weight of the module, complete with ramps:	815 kg
Weight of the module, without ramps:	549 kg
Passability (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, stainless steel cover ■ LED lighting ■ Handrails (short/long) ■ Heavy duty pallets for storage and transport of the elements ■ Additional manipulation protection ■ Advertising and sponsoring banners, flags ■ People counting systems

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Safe, reliable,
functional and
economical.