



designed for security

ARMIS ONE Mobile vehicle barrier

Temporary access control and hostile vehicle mitigation

>> New version 2024 <<

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 – the original: proven and reliable safety since 2019.



Design & Engineering by Consel Group.

ARMIS ONE mobile HVM barrier: even better now!

Armis ONE controls access routes and provides robust protection against hostile vehicle attacks, while ensuring that access and escape routes remain open at all times.

Placed on the floor

ARMIS ONE is simply placed on the floor without any additional floor connections – on non-slip, integrated supports. The barrier modules can be used both individually and in combination with other modules and can be easily connected to each other if required.

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 and unevenness. In order to minimise driving and impact noise, the basic elements are fitted with rubber pads – the ramps are made of solid rubber.

Maximum flexibility thanks to fold-down blocking segment

The manually lowerable barrier segment enables controlled passage in a matter of seconds.

Extremely fast assembly

Thanks to integrated fold-down ramps and individually tested modules, installation is completed in a flash. An access road of 6 meters can be closed off in around 15 minutes.

Long service life

ARMIS ONE does not require regular, expensive maintenance. The robust design and manual operation guarantee long, trouble-free operation. We recommend cleaning the moving parts after intensive usage cycles or when exposed to severe weather conditions.



Effective protection – easily foldable

The ARMIS ONE's easily foldable barrier element is 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 4.8 metres – suitable for HGVs and fire engines.

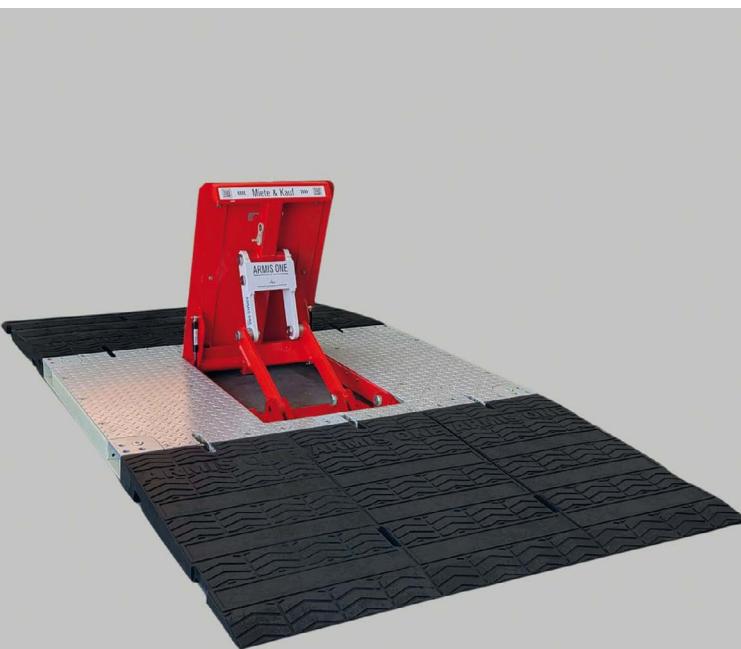


Modular system

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

Certification

Certified to ISO 22343-1 and DIN SPEC 91414-1 with 7.2t@48km/h, incl. displacement and manipulation tests (MK2) with a penetration depth of just 8.3 metres.

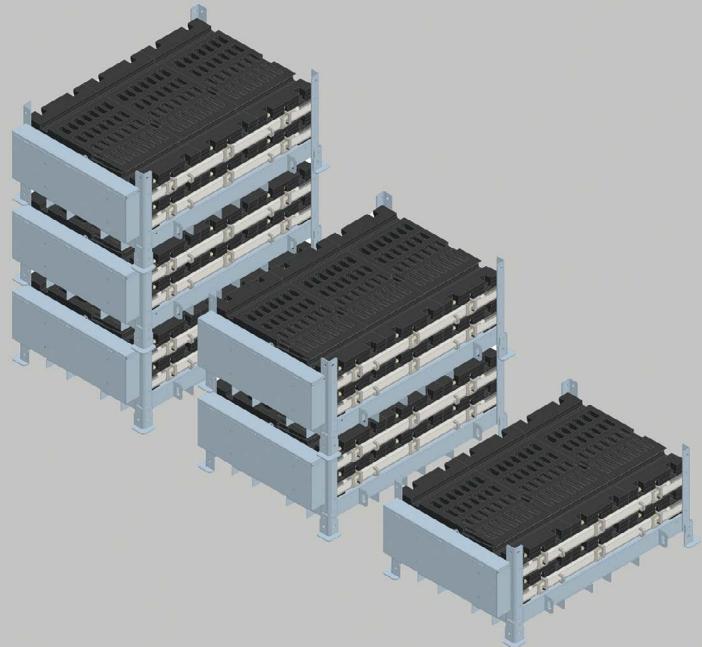


Advantages

- No assembly work: barrier element consists of one piece including integrated ramps
- Folding ramps for easy logistics
- Swift assembly: a road in under 15 minutes
- 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)
- Better passability with vehicles with low ground clearance
- Space-saving, stackable and easy to transport
- No additional fixing to kerbs or other fixed points required
- Supervision- and by and large maintenance-free
- Vandal-proof and can be used repeatedly
- Double lock for raised and lowered positions of the barrier (easy and convenient to operate while standing)

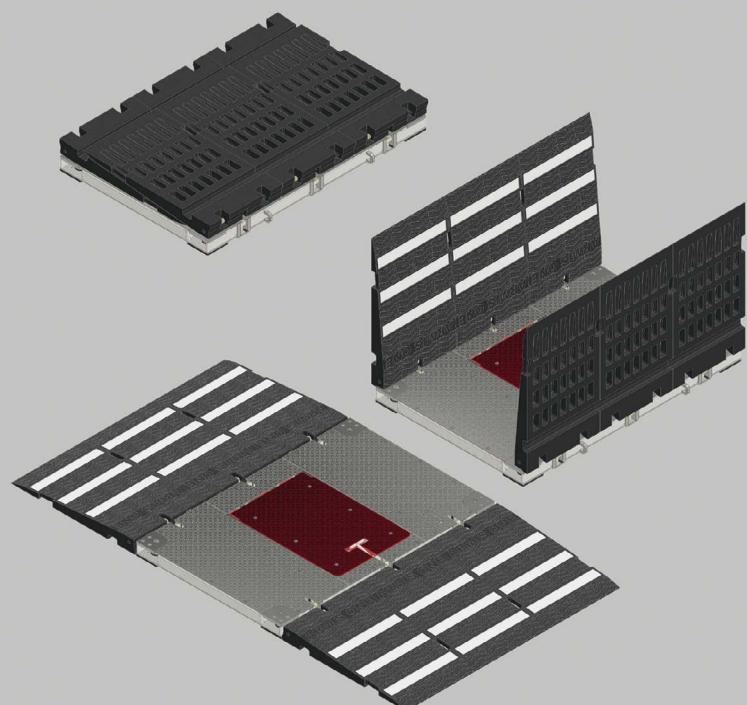
Clever logistics with heavy duty pallets

The optional heavy-duty pallets, which can be stacked on top of each other, enable safe transportation and space-saving storage. The pallets can be lifted on both sides with forklift trucks or lifting forklifts or pallet trucks. All accessories such as connectors, cover plates and tools can be stored in the pallets.



Extended ramps for improved passability

ARMIS ONE ramps are engineered to enable vehicles with low ground clearance, like sports cars, and longer vehicles, such as buses, to pass safely without contacting the underbody.



Covers

Covers for the barrier segments are included as standard. 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.

Quick assembly

Is it possible to secure a six metre-wide road in just 15 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. Just fold out the ramps and you're 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.



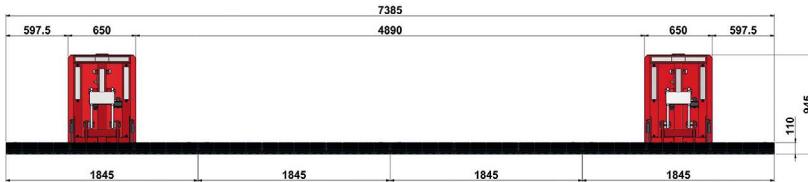
Guaranteed non-slip

The standard walking surfaces are made of galvanised tear plate with a slip resistance of approx. R10. If a higher slip resistance (approx. R12) is required, there is the option of an anti-slip coating with sand additive. This means that the surfaces are non-slip even in wet weather and can be walked on with any footwear.

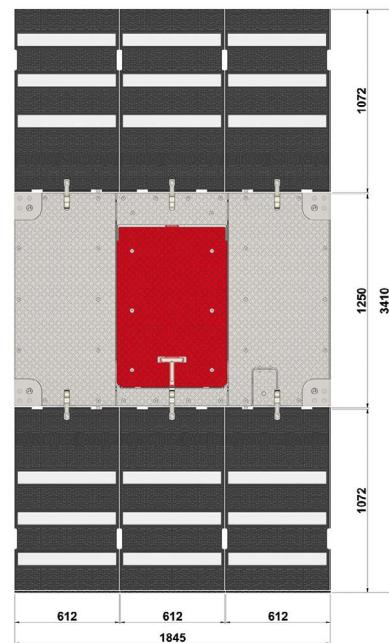


Maximum flexibility

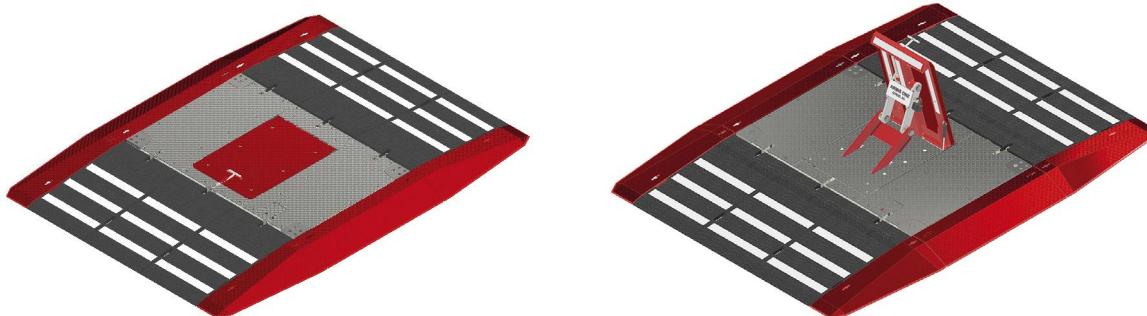
The ARMIS ONE barrier module can be used individually or as a chain with several modules. Depending on your requirements, vehicle barriers of different widths and variable access widths can be made.



Dimensions of a barrier element with ramps:



Barrier with optional side ramps



Heavy duty pallets

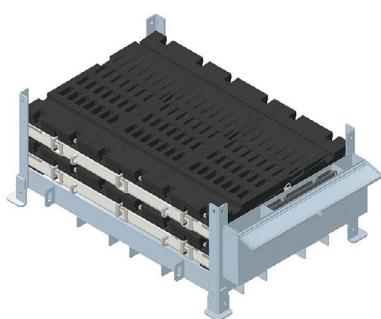


Illustration:
two barriers stacked

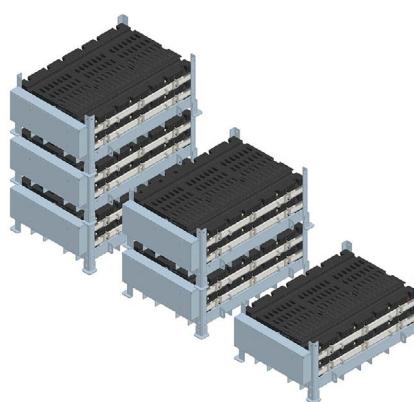


Illustration:
multiple stacked
pallets

Technical specifications

Elements:	Base module with foldable ramps
Type of construction:	Galvanised steel construction with interchangeable non-slip supports and four connection points for linking the modules (not mandatory) or for attaching the handrails or Access connection modules, non-slip, integrated and foldable ramps made of solid rubber.
Width:	1'845 mm
Length with ramps folded in:	1'320 mm
Length in walking/driving direction incl. ramps:	3'410 mm
Height from floor:	110 mm
Weight of the module, with ramps:	740 kg
Accessibility (weight):	40 t (D400)
Axle load per module:	10 t
Impact resistance / impact load:	750'000 Joule (breakout resistance)
Certifications (planned):	ISO 22343-1 and DIN SPEC 91414-1 with 7.2t@48km/h, incl. displacement and manipulation test (MK2)
Options:	<ul style="list-style-type: none"> ■ Individual colour design ■ Special non-slip covers ■ Handrails (short/long) ■ Heavy duty pallets for storage and transport of the elements ■ Cover sheets for heavy duty pallets ■ Additional protection against manipulation ■ LED illumination ■ Reflective strips for ramps



Website



Crash-test video



Product video

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Safe, reliable,
functional and
economical.