

Minimal cost –  
maximal safety



# MINI-GUARD<sup>®</sup>

Containment Levels T1, T2 and T3 according to EN 1317-2

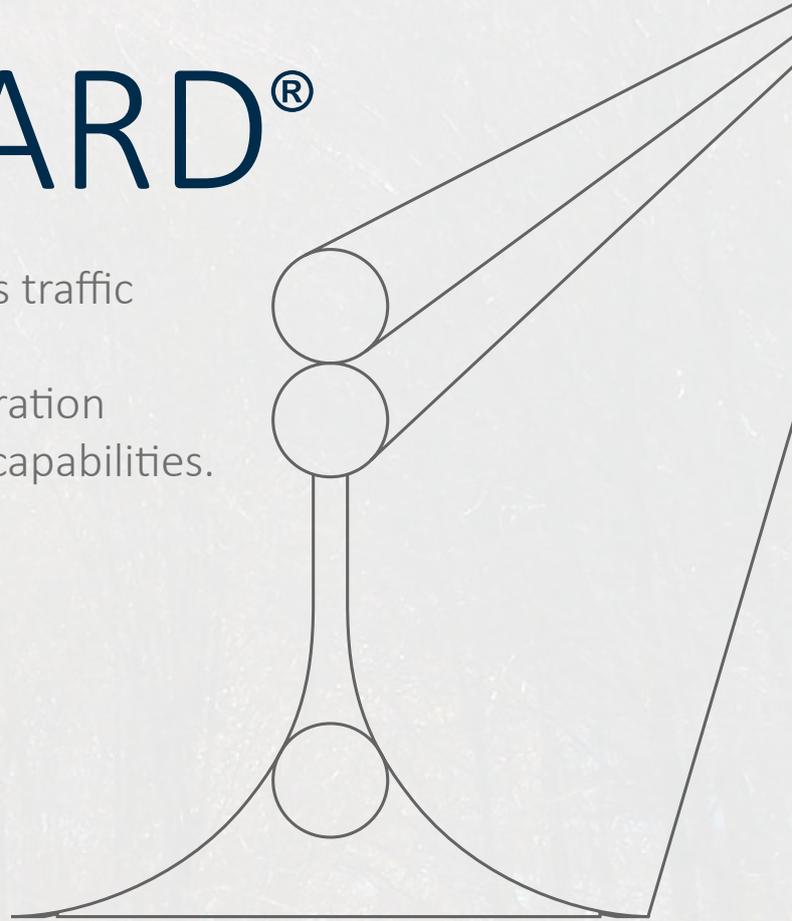


- ▶ The human being stands in the centre of traffic and environmental policy and in the focus of all our actions
- ▶ The road network has become an indispensable part of our living standard
- ▶ Road safety equipment has an important influence on the consequences of accidents
- ▶ The development of road safety systems helps to continuously reduce the number of road casualties
- ▶ Our road restraint systems that have proven their quality in various tests and in many years of practice make an important contribution to this
- ▶ EN ISO 9001 certification is the basis for the quality of our production

# MINI-GUARD®

the mobile steel safety barrier guides traffic and safeguards work locations.

MINI-GUARD® combines traffic separation with extraordinary optical guidance capabilities.



# MINI-GUARD®

The MINI-GUARD® temporary steel safety barrier is relatively light, but provides a very high level of traffic safety. It is simply positioned on the road and only requires anchoring at the beginning and the end.

MINI-GUARD® has proven itself for work zone protection in many countries around the world over many years. It is particularly suited for locations where frequent changes to traffic flow are required. MINI-GUARD's flexibility makes reconfiguration easy.



## Protective function

The flat, broad base of the barrier is designed for vehicles to drive over it. In the event of an impact, the vehicle's own weight creates additional barrier stability. This helps to optimise protection with a very narrow barrier (planned relevant width 200 mm) maximizing available traffic space.



## Guiding function

Work zones frequently have narrow and winding traffic lanes, which require clear delineation and guidance, especially for night time or periods of poor visibility.

MINI-GUARD® is equipped with barrier reflectors at top and bottom, making further road markings unnecessary.



## Tested to DIN EN 1317-2 at T1, T2, T3

MINI-GUARD® was originally tested in 1992. It was one of the first temporary barriers tested and approved by Germany's Federal Road Safety Institute (BAST). MINI-GUARD® has a proven track record of service at numerous work sites around the world.



# MINI-GUARD®

A standard flatbed truck can deliver to site 336 m of MINI-GUARD® (224 elements). It can be quickly assembled by hand. The traffic flow disruption is minimal. A team of three or four can install 2.000 m per day. Assembly is achieved by sliding the elements into each other. Connecting tubes are inserted from the top locking them in place.



## Maintenance

Usually, there is minimal damage to MINI-GUARD® in typical work site accidents. If repairs are required, they are simple and take very little time. Normally, it is only necessary to realign the barrier.

## Storage

MINI-GUARD® is easy to stack and one can store about 2.700 linear metres in 100 m<sup>2</sup>. This is achieved by MINI-GUARD's special packing.



# MINI-GUARD® Test results

| Containment level | Working width | ASI | Dynamic deflection | Test length | Anchorage end terminal |
|-------------------|---------------|-----|--------------------|-------------|------------------------|
| T1                | W3            | A   | 0,47 m             | 94,5 m      | yes                    |
| T2                | W4            | A   | 0,70 m             | 159,0 m     | yes                    |
| T3                | W6            | A   | 1,30 m             | 159,0 m     | yes                    |

All versions are tested according to DIN EN 1317-2.



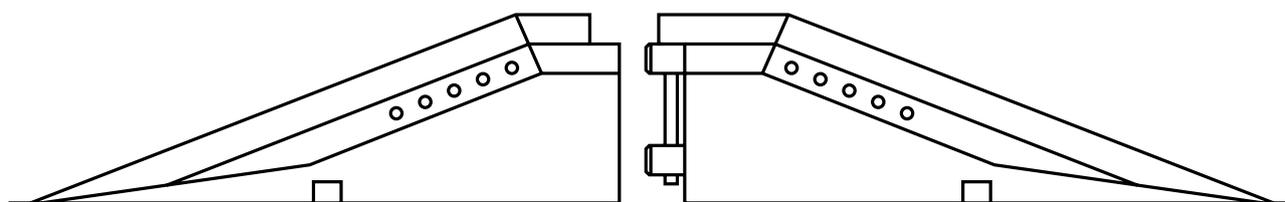
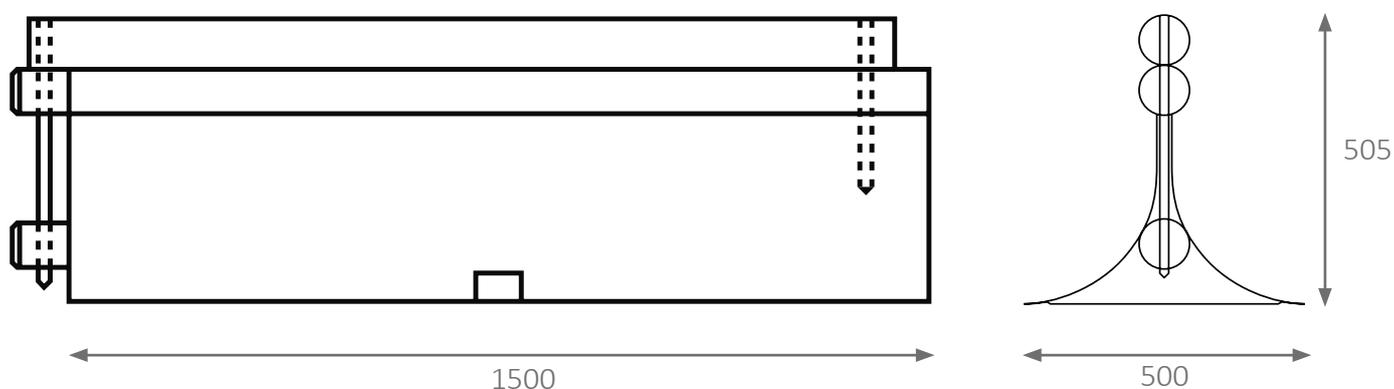
# MINI-GUARD® Constructions

MINI-GUARD® consists of 1.500 mm long single elements. The main body is 500 mm wide and 420 mm high. The base is curved on both sides and has an integrated water channel.

1.500 mm long tubes connect the elements and give the completed construction a height of 505 mm. One complete standard element weighs 60 kg. All parts are galvanized to EN ISO 1461.

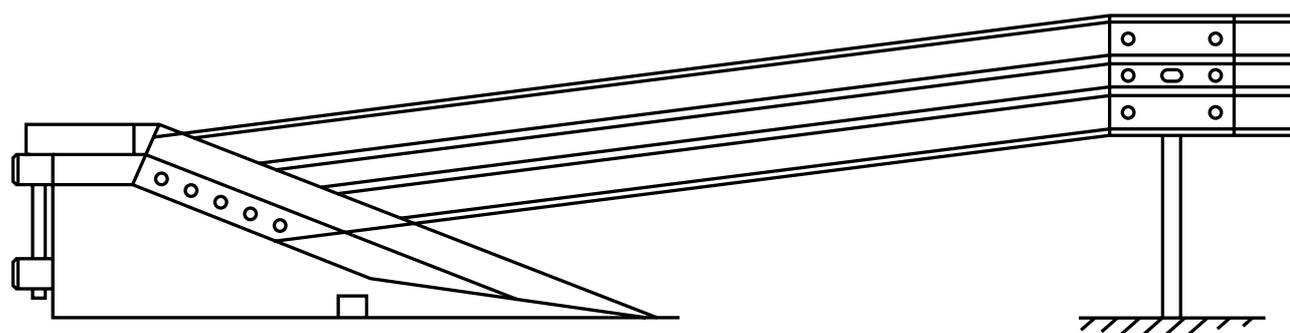
If requested, Mini-Guard® can be supplied in 13,5m long pre-assembled sections.

Transitions to Vario-Guard® or any other guardrail systems are available as well as elements for tilt and turn protection, dilatation and angle elements.



sloped start terminal

sloped end terminal



transition to standard guardrails



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