

elkosta Wedge II

State of art foundations designed to stop all threats

- certified PAS 68:2013 and IWA 14-1:2013



elkosta Wedge Barriers offer maximum security against unauthorised wheeled vehicles of all sizes and weights for highly sensitive entry points. The elkosta Wedge II is designed to guarantee the full level of security. Typical areas of application are

embassies, government seats, research and development centres, power stations, industrial plants, military sites, airports and other high security areas. It can be installed as a single unit or in combination with other products (e.g. barriers, gates, tyre killers

or bollards) in order to realise a sluice arrangement forming a vehicle check point. The Wedge II is also suitable for installation in city centres due to its shallow foundation depth of only 300 mm.



elkosta Wedge II - state of art foundations

The new elkosta Wedge II was successfully tested to PAS 68:2013 and IWA 14-1:2013 standard stopping a 7.5 t vehicle travelling at 80 km/h with ZERO penetration. With its decreased installation depth and foundation footprint combined with the lowest foundation thickness in the world, the new Wedge II reduces installation costs significantly and allows installation in areas where

foundation depths are limited due to underground utilities. Compared to the previous model, the Wedge II features many technically innovative details, like state of art foundation and reinforcement. It offers high energy efficiency due to employment of pressure spring pistons. Starting power and lifting power for raising of blocking element due to energy stored in pressure

springs have been optimised as well. Further improvements are the scaledown versions of accumulator for EFO and RO3 function. The Wedge II effectively blocks the road within 3 sec., decreasing to 1 sec. (via optional accumulator). The working oil volume was reduced due to use of a single hydraulic cylinder. This means lower costs for higher security.

Advantages of the elkosta Wedge II

- ☞ Certified with a blocking width of 4 m according to PAS 68:2013 and IWA 14-1:2013 achieving the following performance classifications:
 - ☞ PAS 68:2013 V/7500[N3]/80/90:0.0/20.7
 - ☞ IWA 14-1:2013 V/7200[N3C]/80/90:0.0
- ☞ Extremely fast operation (approx 1 sec EFO option)
- ☞ State of art foundation and reinforcement
- ☞ Only 300 mm installation depth (200 mm foundation thickness + 100 mm below road covering)
- ☞ With or without safety skirt - one version for all requirements
- ☞ Reduced working oil volume due to single hydraulic cylinder
- ☞ Scale-downed versions of accumulator for EFO and RO3 function
- ☞ Compact and easy to install assembly unit
- ☞ Easy assembly for effortless maintenance
- ☞ LEDs available as optional extra



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