

CityProtector M50



CityProtector M50 – market innovation to protect area for public life

Bollards in tube form have been used for centuries. The R&D team from Perimeter Protection Group questioned this and entered completely new paths. For the new bollard design, they were inspired by the biomechanics of nature, especially the shark tooth.

Incredible Penetration

Prior to the market launch, the new bollard was crash tested. The CityProtector M50 passed the impact almost unscathed with complete destruction of the vehicle. The penetration distance is an incredible result and unrivalled in the high security market. The less the penetration, the safer the area for public life.

The CityProtector M50 achieved the following certifications:

IWA 14-1 V/7200[N2A]/80/90:4.3



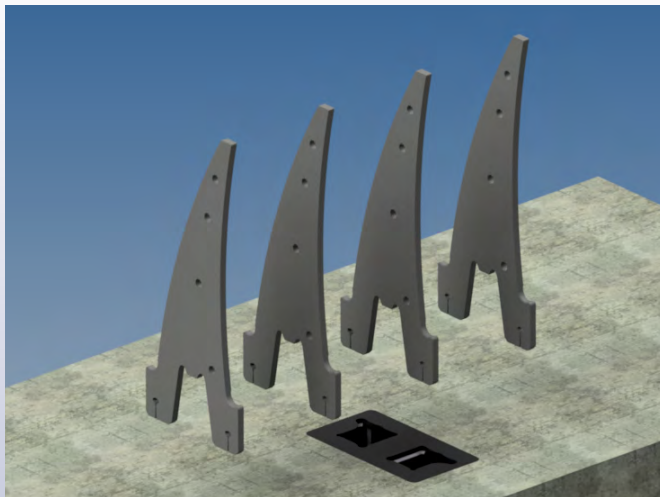
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Shallow foundation

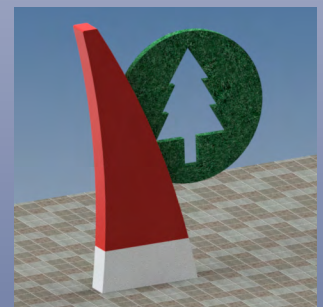
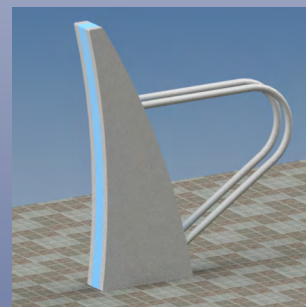
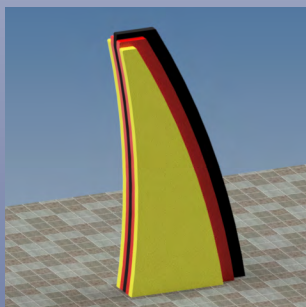
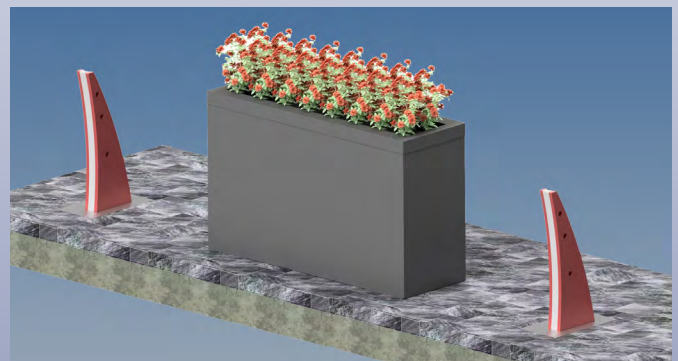
The shallow foundation depth of only 220 mm is particularly important. Especially in inner cities, where pipes, underground garages and other structures run underneath the surface, every millimeter counts. This makes it easier to carry out construction projects.

Easy to mount

During development, it was ensured that the CityProtector can be assembled and disassembled manually by only one person. This means that heavy machinery such as cranes or forklifts are no longer required.

Individual design and Streetfurniture

A unique feature is the individual design, which can be adapted to the cityscape. Our CityProtector has a multi-layered structure and can be customised in colour and shape. The integration as street furniture invites the citizens to interact and thus helps to increase the acceptance enormously. Popular solutions are benches, planters, bicycle racks, rubbish bins and more.



CityProtector M50 – technical data

Design	removable blocking bollard(s) with blocking elements in layered construction, mounted in an underground housing for installation with shallow foundation
Kinetic Impact Energy	1,778 kJ (7.2 t @ 80 km/h)
Certification	crash test certified according to IWA 14-1 V/7200[N2A]/80/90:4.3 (triple unit)
Foundation Depth	220 mm (shallow foundation)
Blocking Width/Blocking Height	100 mm/900 mm
Foundation Size	3,900 x 1,750 mm (triple unit)
Weight	approx. 45 kg per blocking element approx. 325 kg per bollard
Options	100 mm lowered foundation, warning strip red/white – VZ 600 – RA 2B, project-specific adaptation of blocking element, stainless steel shroud, complementation with accessory components for street furniture solutions
Colour Blocking Element	standard: RAL 7016 anthracite grey or RAL 7035 light grey other RAL colours or DB colours as well as colour combinations on request