

Safety meets design. Manufactured in the Black Forest.

- Fixed solution that blends into the urban landscape, featuring 4 high-security bollards, suitable for use as street furniture
- High deterrent effect due to solid system construction
- Shallow installation depth of 600 mm – underground utility lines are not affected
- Standard installation consisting of 3 elements: 1 concrete foundation box embedded in the ground and 2 concrete elements mounted on top, each with 2 stainless steel brackets (bollards)
- Installation within a few days thanks to prefabricated concrete elements
- Design variants with filled brackets possible
- Seamless extension of the row arrangement due to modular construction
- Low maintenance requirements thanks to wear-free, corrosion-free, stainless steel brackets
- Can be dismantled without leaving any residue

Dimensions

Foundation frame (underground):

- Dimensions (LxWxD): 2950 x 5900 mm x 400 mm

Per top module with double bracket:

- Dimensions (LxWxD): 2950 x 2950 x 1800 x 600 mm
- Bracket height above ground: 1200 mm

Weights

- Foundation frame: approx. 8,300 kg
- Per top module with double bracket: 8,900 kg



Certification

- Tested and certified:
DIN ISO 22343-1:2025: barrier V/7200
[N3C]/64/90/:4,9/29,6
- Impact test with a 7.2 metric-ton truck at 64 km/h
- Kinetic energy upon impact: 1,242 kJ

