



## OPTIONS

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### Methods of installation

- embedded in concrete

### Bollard handle

- none
- 1 chain (both sides)
- 1 chain (one side)
- attachment of 2 chains (double-sided)
- attachment of 2 chains (final)

### Fence mounts

- single sided
- double sided
- none

## DESCRIPTION

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Avaro 01.061 bollard has a simple, elegant and unpretentious style. It was designed in universal retro style, which is perfect for every historical, as well as contemporary city surroundings. Presented 01.061 bollard is made of black steel- durable and low- maintenance material. What is more, it can be also concreted in to the ground. Avaro 01.061 bollard can have one or two bollard chains. Presented bollard it's absolutely a multifunctional project. It provides ultimate protection. The 01.061 steel bollard has a 100cm height and 90 mm diameter of the steel pipe. The base of this bollard was made of cast iron. 01.061 steel bollard provides protection also adding contemporary style and elegance to the surrounding landscape. It is ideal for a variety of applications, f.e.g.: pedestrian walkways, parking etc. This bollard is available in all RAL palette standard colours.



## GENERAL TECHNICAL DATA

### Dimensions

- height from ground surface: 100 cm
- height with anchoring section: 130 cm

### Materials

- cast iron
- steel tubes

ZANO



Product: Avaro Bollard  
Catalog number: **01.061**  
Designer: Tomasz Szpytma

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**NOTE:** The drawings do not reflect the actual dimensions of the foundation. They are only exemplary assembly schemes taking into account the type of anchoring and the substrate material to which the furniture is to be fixed.

The size of the foundation depends on the local foundation conditions.



### INSTALLATION INTO PAVING WITH FOUNDATION

#### Description of the assembly

1. ZANO product
2. Stone paving / concrete paving / stone slabs / concrete slabs
3. Sand ballast (approx. 2 - 4 cm)
4. Concrete foundation, class C16/20 (top surface concrete 10 cm below paving surface)
5. Ground



### MOUNTING TO CONCRETE FOUNDATION

#### Description of the assembly

1. ZANO product
2. Concrete foundation, class C16/20 (top surface concrete 10 cm below paving surface)
3. Ground



### MOUNTING TO CONCRETE FOUNDATION

#### Description of the assembly

1. ZANO product
2. Fixed hardened surface e.g. concrete or asphalt
3. Concrete foundation, class C16/20 (top surface concrete 10 cm below paving surface)
4. Stone aggregate substructure
5. Sand ballast (approx. 2 - 4 cm)
6. Ground