



OPTIONS

Methods of installation

- embedded in concrete

Bollard handle

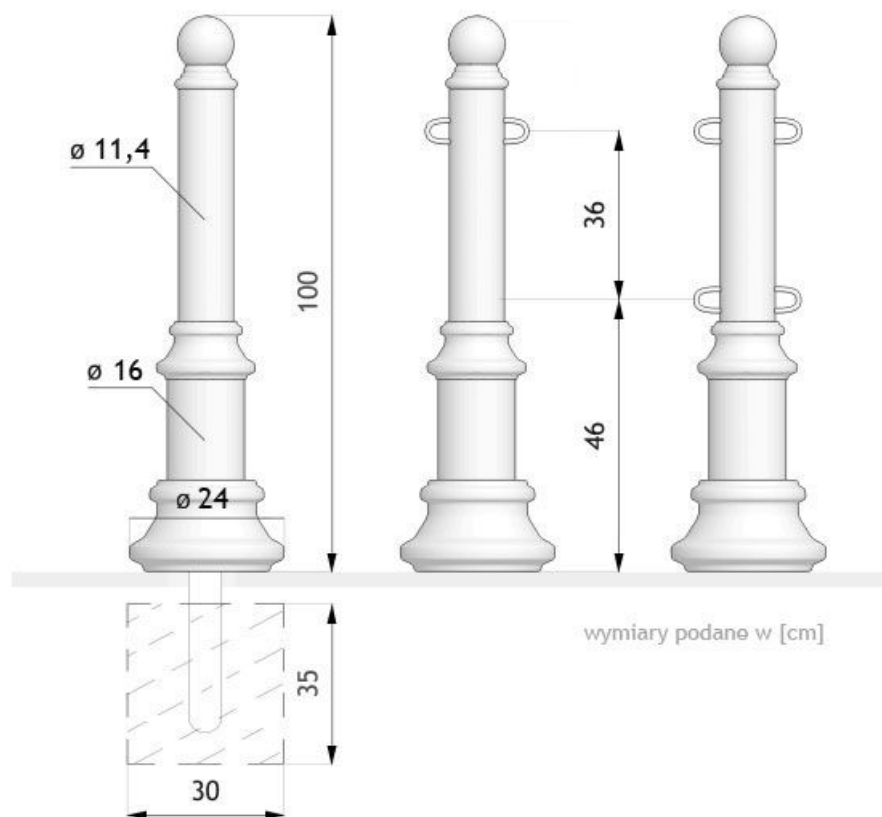
- none
- 1 chain (both sides)
- 1 chain (one side)
- attachment of 2 chains (double-sided)
- attachment of 2 chains (final)

Fence mounts

- single sided
- double sided
- none

DESCRIPTION

Massive, static bollards are made of three **iron castings** and two pipes (fi 11.4 and fi16). There is a possibility to install special **bollard chains**. They are remarkable to separate public places, such as: squares, fountains or monuments.



GENERAL TECHNICAL DATA

Materials

- cast iron
- steel tubes

Dimensions

- height from ground surface: 100 cm
- height with anchoring section: 135 cm

ZANO

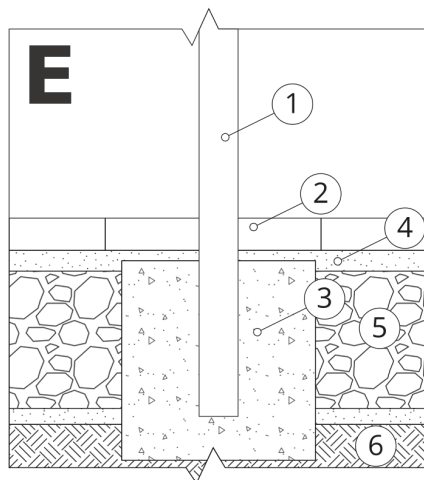


Product: Largo Bollard
 Catalog number: **01.057**
 Designer: Tomasz Szpytma

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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.

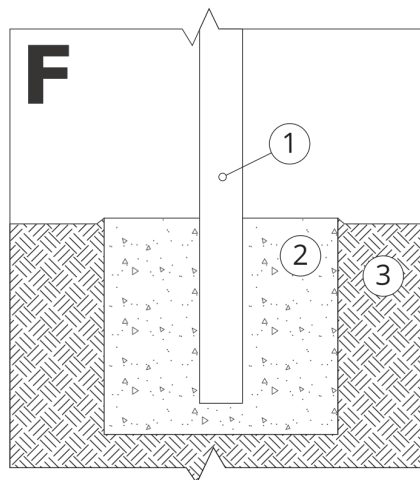
The size of the foundation depends on the local foundation conditions.



INSTALLATION INTO PAVING WITH FOUNDATION

Description of the assembly

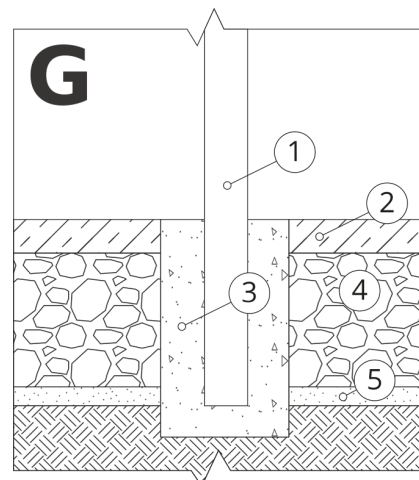
1. ZANO product
2. Stone paving / concrete paving / stone slabs / concrete slabs
3. Sand ballast (approx. 2 - 4 cm)
4. Concrete foundation, class C16/20 (top surface concrete 10 cm below paving surface)
5. Ground



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