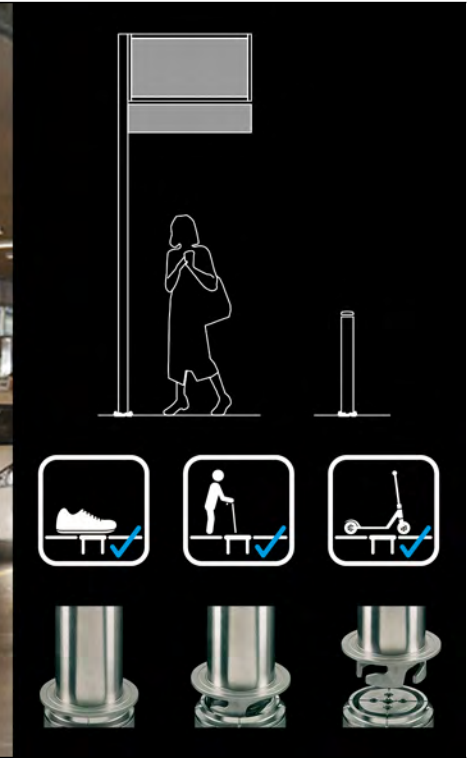


## BURRI Public Bollard System – Signage

Flexible, removable signage and barriers



In public squares, airports, railway stations and spacious public areas with high transit rates there is a wide range of regularly changing needs for barriers, traffic signs and signage. When traffic regulations are amended temporarily, these must be removed or complemented.

Burri's proven Public Bollard System now also answers these challenges. With little work, bollards can, for example, be replaced by signage poles for signposts, street signs or information panels. Thanks to their bayonet locking mechanism, these can be simply and stably fixed in the bollard ground element. Flush with the ground, the bollard foundations allow level passage for passers-by and other road users when no longer required.

### Standard design of masts

Square mast or tubular section mast  
- Stainless steel, polished  
- Steel, galvanised

### Bayonet locking mechanism

Consisting of cast stainless steel claws and a base element, the bayonet locking mechanism is designed to allow both signage and bollards to be easily removed and replaced. These removable Public Bollards can be easily combined with bollards of the same design that are set in concrete and are easy to replace if necessary by signage masts or information panels.

### Installation

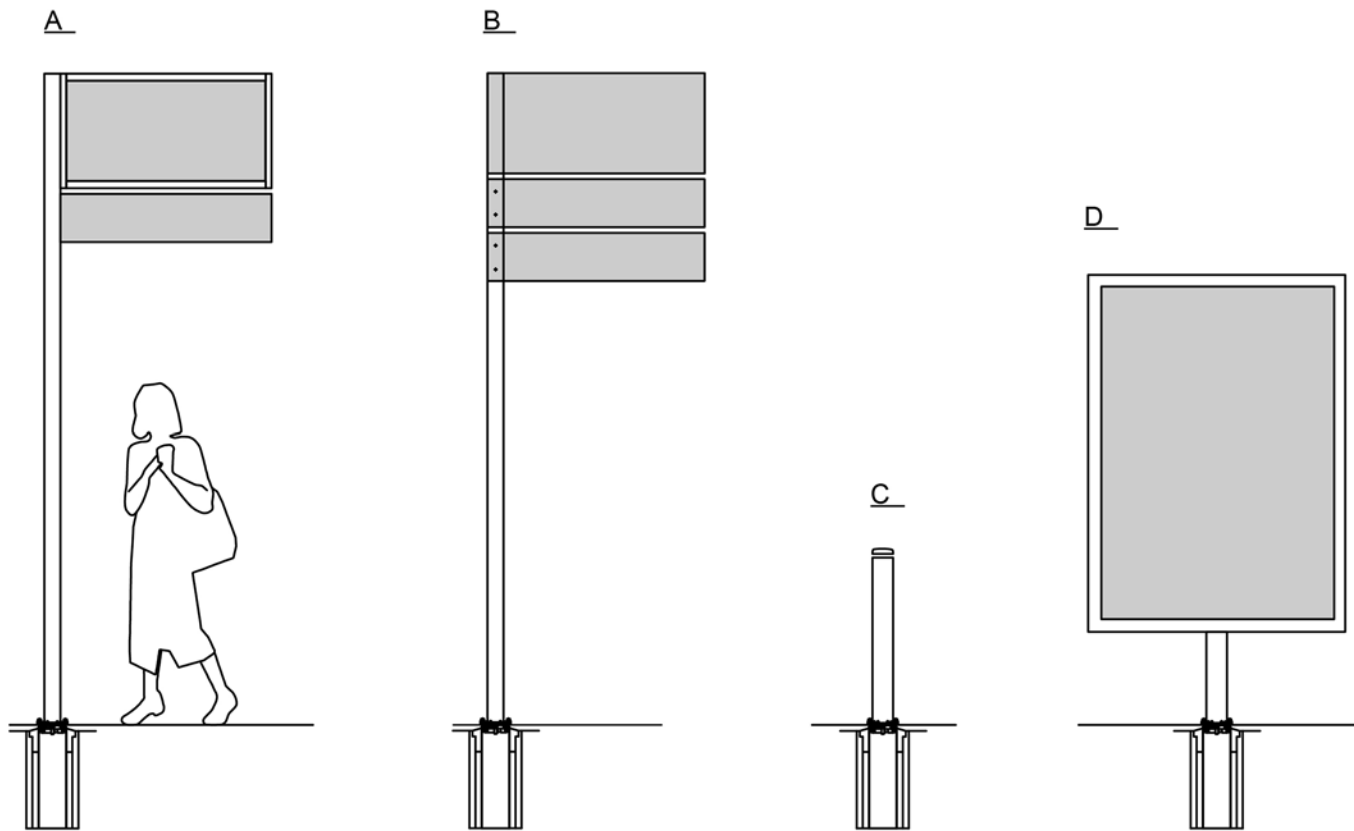
The Public Bollard is attached by extensive locking plan integration. Stability of the signage masts is guaranteed by a simple ground anchoring.

### Signage design

Displays, signs and flags can be added as desired.

Special designs and colours for masts and signage on request.

Variations see reverse.  
Prices according to price list.



**Variations**

- Square mast or tubular section mast with bayonet locking mechanism
- Displays, signs and flags can be added as required.

Special designs and colours for masts and signage on request.

Screws and installation materials on request.

**A**

Signage with optional extra sign

**B**

Information-bearing flag with optional extra signs

**C**

Public Bollard

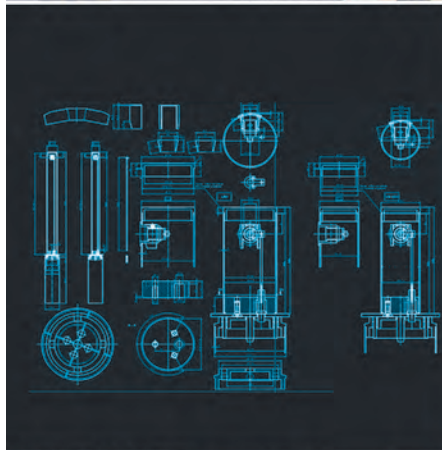
**D**

Information board /display cabinet

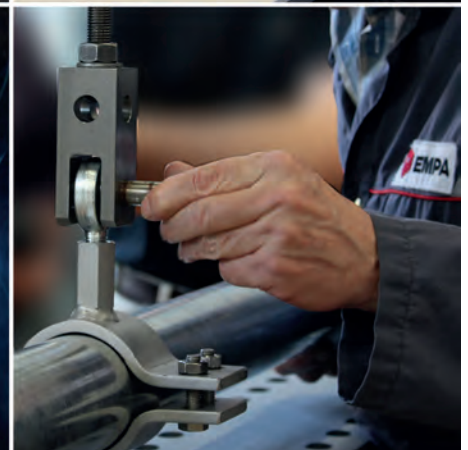
## Barrier post system: Twist-lock & predetermined breaking point

Design: Nicholas Grimshaw & Partners, Industrial Design, London

### BURRI Public Bollards – a durable, flexible bollard system



Designed by Nicholas Grimshaw & Partner, BURRI's Public Bollard system has been used successfully in many places. Developed in cooperation with authorities and police and fire department experts, the system combines safety and user-friendliness with low life-cycle costs. As a result of our many years' experience and collaboration with clients, a new safety screw has been developed for the predetermined breaking point. Upgrading the BURRI safety thread, approved by EMPA (Swiss Federal Laboratories for Materials Science and Technology), can be easily carried out on site. The BURRI Public Bollard is now also available with a two-sided lock. This double lock permits simultaneous integration into two different locking systems, i.e. a cylinder lock and a 3-sided lock.



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Barrier post system: Twist-lock & predetermined breaking point

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## project partner(s)

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### **Sophisticated design and resistant materials**

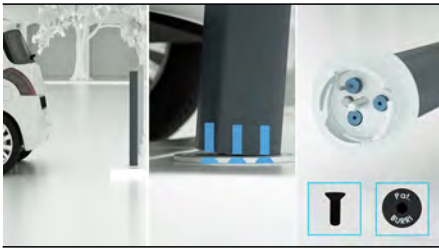
*Intensively tried and tested*

The special stainless steel castings were designed in close cooperation with Nicholas Grimshaw & Partners, Industrial Design, in London. BURRI's construction expertise and choice of durable materials are complemented by public service professional knowledge and guidelines. Feedback from municipal service departments and maintenance personnel was very important in the development of the predetermined breaking point. At the end of the development phase for the new predetermined breaking point, stress tests were carried out at EMPA (Swiss Federal Laboratories for Materials Science and Technology). The breaking point of the safety screws was tested in comprehensive tensile and stress tests.

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## technical innovation

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### **Patented predetermined breaking point and improved handling**

*Based on decades of experience*

Thanks to its predetermined breaking point, the knocked-over bollard can be restored on site with minimum handling. The drilling depth, diameter and number of notches of the patented BURRI safety screws are precisely tailored to the ideal breaking load range at bumper height. This is set at 350-450kg for bollards 76mm in diameter and 540-640kg for bollards 10cm in diameter. The bayonet locking mechanism, with its claw coupling and baseplate of cast stainless steel, is designed so that the bollard, after being released and rotated, can be removed and later reinstalled. An optional double lock now permits its integration into two different locking systems, e.g. a cylinder lock and a 3-sided lock.

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## economic efficiency

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### **Low life-cycle costs and flexible use**

*Long-term savings effect thanks to minimum surface impact*

If normal bollards are knocked over, high costs often ensue since not only the bollard needs to be replaced, but foundation and surface work are also involved. With the patented Public Bollard predetermined breaking point, foundations are not damaged. BURRI's new safety screws can be replaced directly on site and the bollard restored. Many older BURRI barrier posts with predetermined breaking points have been in use for more than 20 years, without any need to replace the baseplate or the foundations. Public Bollards with predetermined breaking points are easy to combine with cemented bollards in the same design. Flexible corridors can thus be created for rescue vehicles, deliveries and administration and sensitive areas near parking spaces and turning circles can be protected, as in the Olympic Village in London or various public installations in Switzerland and throughout Europe.