

Bicycle Garage FULLERTON-E

Secure, flexible, and convenient bicycle storage

This single-bike garage is ideal for individual storage of bicycles, providing excellent protection against weather, vandalism, and theft. Certified according to **DIN 79008**, it meets the highest standards of safety and user-friendliness. The robust model is available in single- or double-tier versions and can be easily expanded thanks to its modular design. Integrated gas springs allow bikes to be parked or removed from the upper level effortlessly. With a variety of design options, this high-quality bicycle box integrates harmoniously into any environment. At the end of its lifecycle, the materials can be separated and reintroduced into the circular economy following the **Cradle-to-Cradle** principle.

The **FULLERTON-E** can be combined with various electronic control solutions, including ZIEGLER's own **SmartBikeBox** access control system, making it an optimal bike parking solution for a wide range of (semi-)public operators.

Advantages:

- Single-tier version can be retrofitted into a double-tier garage at any time
- Upper parking level equipped with gas springs for effortless bike handling
- Modular design allows easy expansion or replacement of individual components
- Sustainable solution with optional green roof and recyclable components
- Versatile side wall design options
- Certified according to **DIN 79008**

Side walls:

The **FULLERTON-E** bicycle garage comes standard with steel sheet side walls. Additional side wall options are listed in the table below.

Roof:

The **FULLERTON-E** bicycle garage can be upgraded with a green roof tray, gutter and downpipe, or an optional canopy. A green roof provides significant added value: it is not only an aesthetic highlight that brings a touch of nature into urbanized environments, but also offers additional benefits. The plants on the roof absorb CO₂, retain water, and, with their structurally rich vegetation, act like a fine dust filter, contributing positively to the environmental footprint.

The green roof system is highly durable and protects against extreme weather conditions such as storms, hail, UV radiation, and temperature extremes, which are increasingly

common. Furthermore, the use of sustainable green roofs is already incorporated into the building regulations of many municipalities.

Access Authorization:

The **FULLERTON-E** bicycle garage is designed for electronic access authorization. When combined with the proven, optionally available **SmartBikeBox** access control system, it provides a practical and fully integrated solution.

Lighting and Charging Options:

The FULLERTON-E bicycle garage can be equipped with energy-efficient LED interior lighting for each compartment. For the double-tier version, autonomous exterior lighting is available via an optional solar module with LED panel and motion sensor. Additionally, the lower compartment can optionally be fitted with a secure charging socket.

Technical Details – FULLERTON-E Bicycle Garage

Construction:

Modular system available in single- or double-tier configuration, manufactured according to **DIN 79008**. Folded steel panels, 1.5 mm or 2.0 mm thick. Bicycle entry rail with front wheel holder accommodates tires up to 60 mm in width. The double-tier version additionally features an extendable and tiltable bicycle entry rail, including backstop, wheel holder, and integrated gas spring to reduce effort. Front wheel adjustment height: 330 mm. Optional charging station in the lower compartment, including storage, grounded 230 V socket with residual current (FI) protection, and LED interior lighting (additional cost).

Surface / Color:

All steel parts are galvanized and powder-coated in ZIEGLER standard colors.

Roof:

Flat roof made of robust 1.5 mm steel with internal reinforcement profiles. Optional solar LED exterior lighting for the double-tier version, as well as a green roof tray (additional cost).

Rear, Intermediate, and Side Walls:

Galvanized and profiled steel panels, 1.5 mm thick, with ventilation slots to prevent condensation and allow airflow. Burglar-resistant, fastened internally with screws or

rivets. Optional side wall finishes: perforated sheet, aluminum strips with wood decor, WPC, or glazed spruce cladding (additional cost).

Door:

Robust, reinforced door frame made of 2 mm folded steel with additional vertical reinforcement bar and gas spring for assisted opening. Includes coat/helmet hooks inside the doors (for double-tier version, only in lower compartments). Emergency unlocking; door hinge optionally DIN left or DIN right (please specify when ordering). Includes cable set for internal wiring to the connection box for customer-supplied control line.

Electromechanical locking system with door sensor (operating voltage 12 V DC, operating current < 200 mA, max. working current 1 A), mechanical emergency release from inside, lock status signaled via microswitch, door status via REED contact. Door can be opened using various access authorization methods. Access, booking, and reservation software available on request (additional cost). Labeling and numbering also available at extra cost.

Drainage:

Free-draining over the rear roof edge. Optional gutter with downpipe (additional cost).

Installation:

To be bolted to a concrete slab with adjustable feet for leveling at ± 0 mm according to our foundation plans. Includes floor fastening materials. The installation area should be level, even, and correspond to the footprint of the product. The surface must be load-bearing and can consist of slabs, interlocking pavers on a well-compacted, load-bearing subbase, or foundation.

Delivery:

Single compartments pre-assembled at the factory. Assembly instructions included. Installation by our professional team recommended (available at additional cost).