



VELOPARK COLLECTIVE BICYCLE GARAGE

Data sheet

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1. Velopark Collective Bicycle Garage - Description



The Velopark bicycle garage has been specially developed to meet the growing needs of local public transport and the tourism industry. Modern access technology and high product quality ensure maximum flexibility and security. Examples of applications include cities and municipalities, residential complexes, railroad stations and many others.

A system consists of the actual bicycle storage garage made of powder-coated, galvanized steel with two sliding doors, the device for storing 20 bicycles and a separate user station. The user station serves as the central control unit for calling up information via a touchscreen monitor or for payment processes. The trapezoidal sheet metal roof is pitched to ensure optimum water drainage. Drainage takes place via a drain on the rear wall. The monopitch roof can also be greened.

With the Velopark collective bicycle garage, you can offer your customers a round-the-clock service without having to provide staff. The modern Velopark collective bicycle garage enables space-saving and secure parking of bicycles.

The housing of the bicycle storage garage and the operating station can be designed in almost any color combination.

One RAL classic color from the LockTec list PG 1 is included free of charge. Other or additional RAL colors are available on request at an extra charge. The systems are aligned on site to compensate for any unevenness in the surface and to ensure that all components function perfectly.

Safety concept - confirmation from external experts (engineering office for construction and plant technology) available.

The Velopark is a mobile system that is transported directly to the installation site in its assembled state on a low-loader and set up directly using a crane. This keeps assembly times to a minimum.



Complete system, closed with user station

2. Velopark Collective Bicycle Garage - User station



User station

Installation	Flexible, either directly next to the collective bicycle garage or separately.
Functionality	The touchscreen monitor enables menu navigation, the entry of access codes and retrieving information.
Optionale features	Cashless payment system RFID-Card reader 2D Scanner for QR-codes or barcodes UPS (Uninterruptible power supply) Antenna and router SIM card (monthly fee) with Hosting

Dimensions	
Width x Hight x Depth	5448 mm (with user station 5810 mm) x 3172 mm x 2300 mm

Touchscreen Monitor (Standard)*

Display	10.1" Touch Display**
Resolution	1280 x 800 x 60Hz
Response time	25ms
Colors	16.7M
Temperature range	0 to +40°C
Vandalism resistant	Breakage-tested touchscreen UL-60950 and IK-07 tested

*Optional LockTec depending on availability. **Any required keypad is integrated in the display.

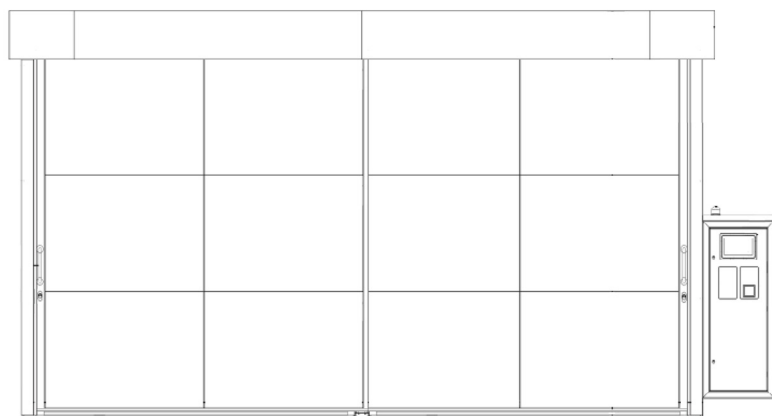
Touchscreen Monitor (Optional)*

Display	10.1" Dust-proof Touch Display**
Resolution	1280 x 800 (WXGA) 16:10
Contrast	1000 : 1
Colors	16.7M
Temperature range	-20 to +70°C; 20-90% humidity
Vandalism resistant	Break tested Touchscreen IK-08 tested

*Optional LockTec depending on availability. **Any required keypad is integrated in the display.

3. Velopark Collective Bicycle Garage - Dimensions

Front view

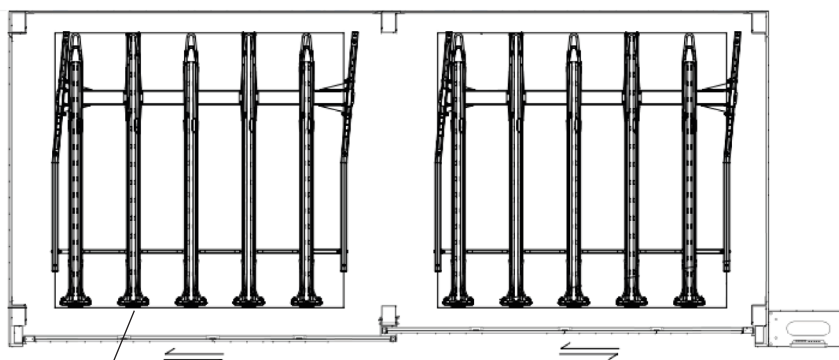
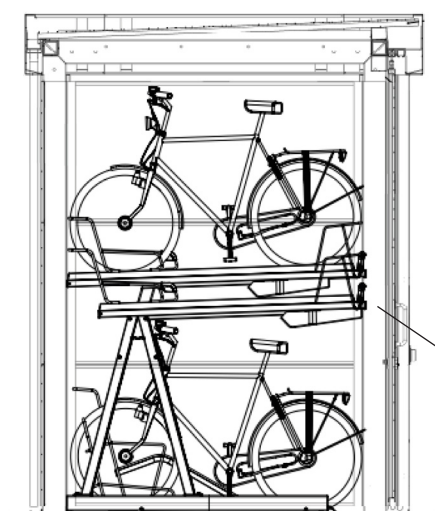


User station:

- Width: 550 mm
- Height: 1600 mm
- Height including Antenna: 1660 mm
- Depth: 250 mm

Side view

Top view



2 x Two storey parking system

Outer dimensions

Width Velopark	5260 mm
Width with roof	5448 mm
Height	3172 mm
Depth	2300 mm
Depth with roof	2516 mm

Two storey parking system dimensions

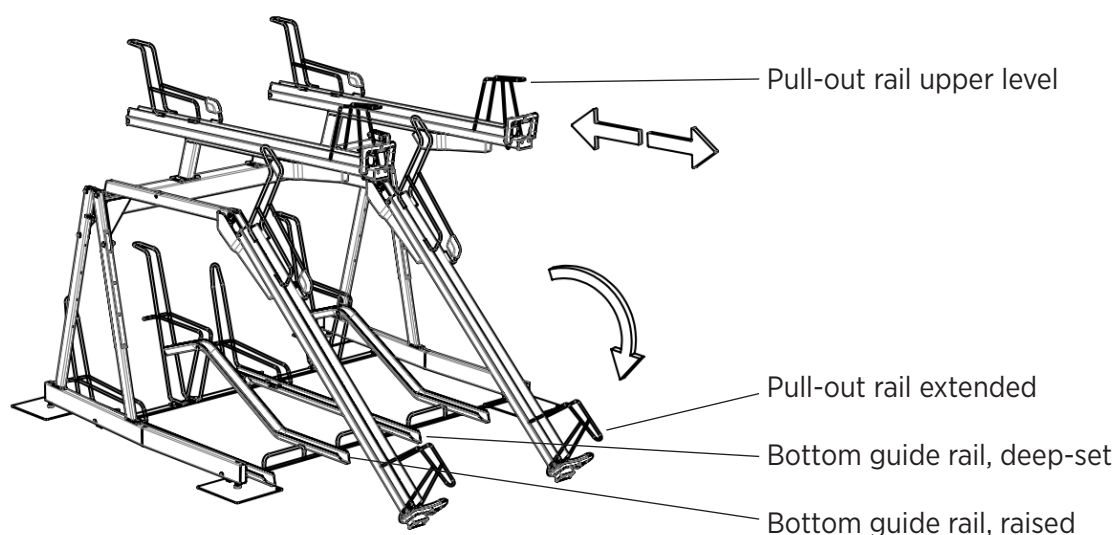
Width	2 x 2000 mm
Height inside the box	2792 mm
Minimum height for upper level	2750 mm
Depth	1900 mm
Load capacity of the pull-out rail	25kg

The bicycle storage garage was designed and manufactured in accordance with the specifications and requirements of DIN EN 79008-1:2016-05. The tire width of the parking system is therefore 23-55mm. Other widths and depths of the parking system can also be realized on request. Please contact us.

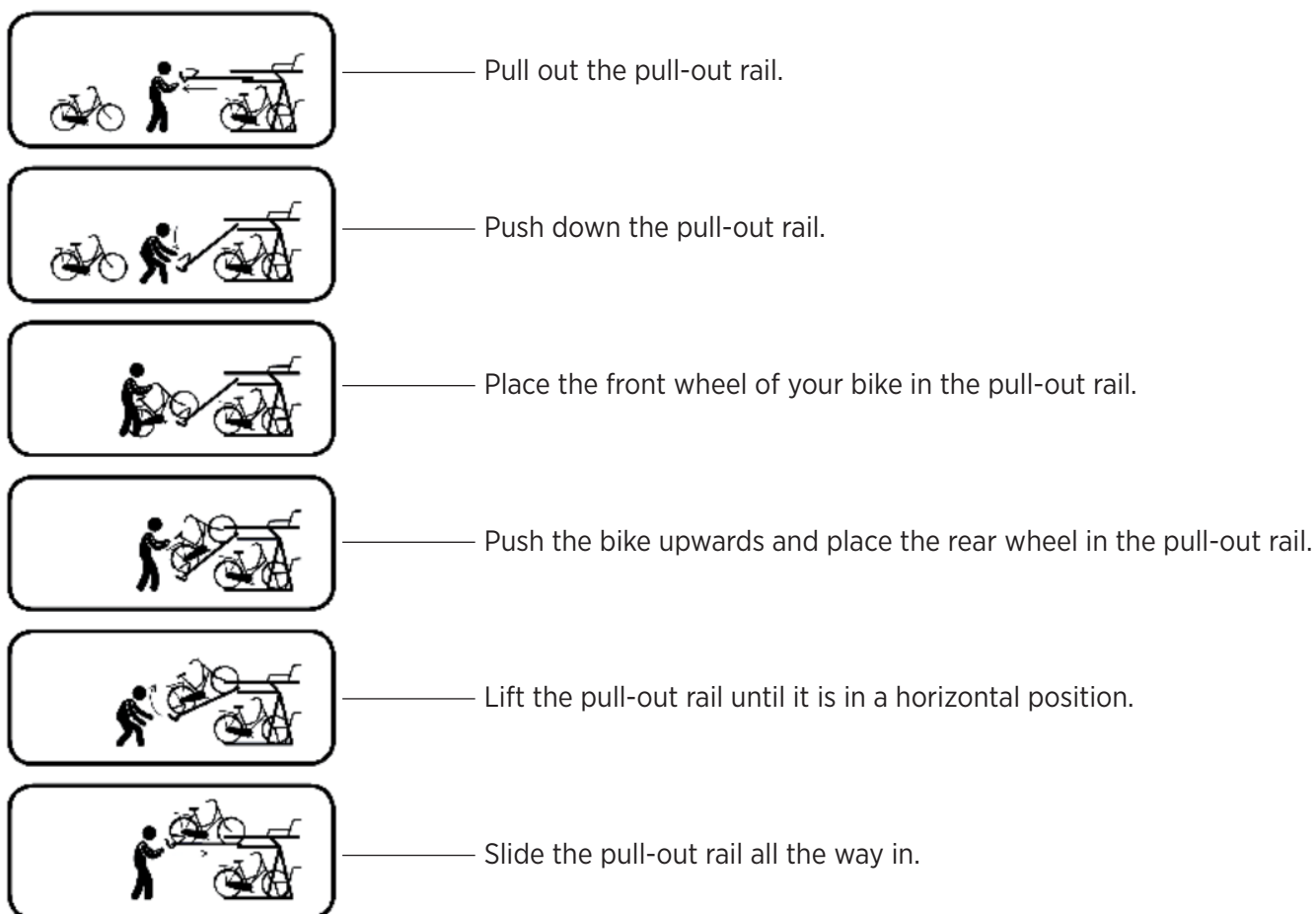
4. Velopark Collective Bicycle Garage - Functionality

The different height arrangement for the front wheel of bicycles on the lower level enables space-saving parking of up to 20 bicycles at the same time. On the upper level, bicycles can be parked quickly and conveniently using a pull-out rail.

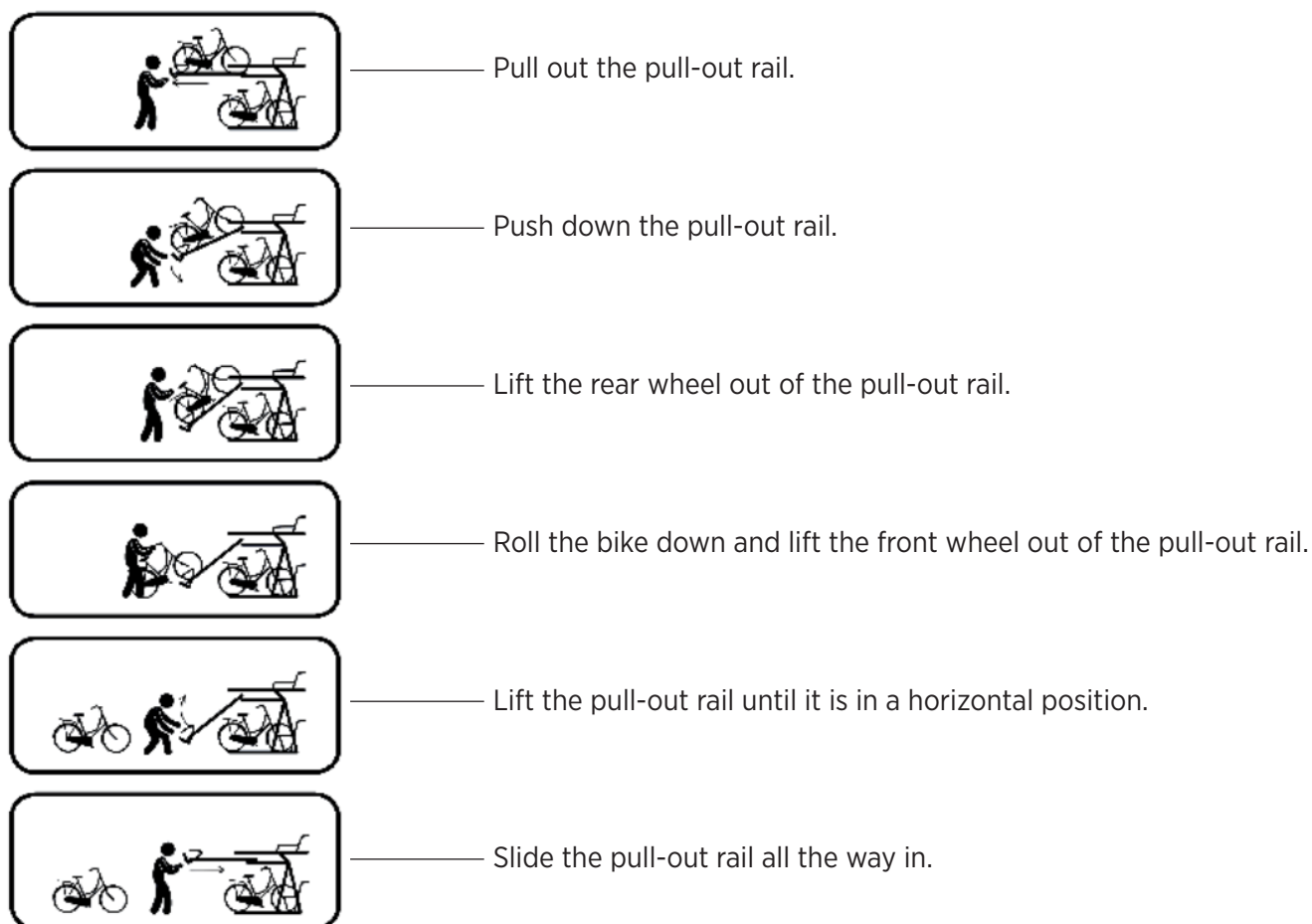
Isometric view of the bicycle parking system inside the Velopark-system (exemplary representation)



Bicycle parking upper level (exemplary representation)



Collecting the bike from the upper level (exemplary representation)



Bicycle parking lower level

If you are using a guide rail on the lower level, simply place the front wheel in the guide rail and push the bike all the way in until the front wheel is firmly seated in the holder.

Collecting the bike from the lower level

To retrieve a bike from a guide rail on the lower level, simply pull the front wheel out of the holder and pull the bike out of the guide rail.

4. Velopark Collective Bicycle Garage - Material overview



Collective Bicycle Garage - Material

Frame element front and back:	Stainless steel construction, powder coated
Frame element, Stiffeners:	Stainless steel construction
Back panel, Side panels:	Aluminum, powder coated
Sliding doors:	Stainless steel construction, powder coated
Guide rail:	Stainless steel construction
Pitched roof:	Aluminum, powder coated

User station - Material

User station:	Stainless steel construction
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Material and material processing methods

The steel structures are made of stainless steel-aluminum and powder-coated as standard.

Our systems fulfill the corrosion protection requirements according to „C3“, moderate, protection duration „high“. Corrosion protection requirement „C4“ is possible on request.

NOTE The steel structure can be connected to the on-site earthing system.

5. Velopark Collective Bicycle Garage - Extension options



Extension options

- Anti-graffiti coating
- Roof greening
- Integration of third-party booking portals (Dein Radschloss, NVR, NWL)
- Management server
- Booking portal Lockport Online
- Labeling: Door numbering, operating instructions, pictograms, lettering and logos,
Notes: Conditions of use on site

Powder coating

Our powder coating partners are all certified in accordance with the quality mark of the Quality Management Community (QIB) or ISO 9001. Therefore, we can offer various powder coatings, life expectancies and corrosivity categories (derived from DIN 55634/ ISO 12944).

NOTE! The life expectancy does not correspond to the warranty period!

Type of surface characteristics

The locker systems are based on the standard level and may show various visual features. The surface characteristics are listed in the QIB-leaflet 3-1 „Visual assessment of coated, decorative surfaces“. The most significant points are shown below.

Crater, Bubbles and Inclusions

max. 30 pcs. $\leq 1,0 \text{ mm}^2$ per m^2 ; max. 8 pcs. $\leq 1,0 \text{ mm}^2$ per 100 cm^2

max. 5 pcs. $\leq 1,5 \text{ mm}^2$ per m^2 ; max. 3 pcs. $\leq 1,5 \text{ mm}^2$ per 100 cm^2

Paint tears and Accumulations

Approved and partially max. triple layer thickness allowed.

Gloss differences

Approved if within the following tolerances.

For metrological evaluations of industrial coatings by reflection measurement according to DIN EN ISO 2813 (60° measurement geometry) the following tolerance limits usually apply for:

- Glossy surfaces: 71 to 100 E (± 10 E)
- Silk-glossy surfaces: 31 to 70 E (± 7 E)
- Matt surfaces: 0 to 30 E (± 5 E)

Color deviation

Approved, if not to noticeable. Reference lighting is the diffuse daylight (view distance in accordance with explanations must be respected).

A metrological evaluation is based on DIN 6175 Table 1 with the tolerance limit of a Maximum of 1.5 times the permitted color deviation.

The numerical value of the metamerism index (according to DIN 6172) of subsequent deliveries must not exceed the numerical value of the color distance ΔE_{ab} .

For different delivery batches of an order the color shades that may occur should not exceed 2 times the value of the tolerances specified in DIN 6175 Table 1. If components of several paint batches are joined together, the above mentioned 2-fold tolerance may be doubled if joints, mitres, corrugations, ornamental strips, cavities or the like are present.

Attention: Color deviations and discolorations are no base for warranty claims!

Sanding marks

Sanding marks of max. roughness of $R_{\text{max}} < 9 \mu\text{m}$ (equals abrasive paper with grain size 180 used with an extender orbital sander) are normally covered by conventional powder coating systems.

Attention! In the material processing and welding methods we use, we deliberately work with visible weld seams. These do not constitute a defect.

7. Velopark Collective Bicycle Garage - Interesting facts



Experience:

LockTec GmbH is the founder of the concept of using locker systems for the transfer of goods.

Patent lodged in Germany 1999 for the technology of delivering parcels to an automated locker system. International patent was confirmed on December 19th, 2007.

LockTec is a reliable and very experienced partner and produces a wide range of different locker solutions for various use cases, such as Luggage lockers for train stations, airports, shopping malls..., Cool Lockers for the unattended handover of food and medicine... for butcher shops, supermarkets, drugstores..., Servicebox for the unattended handover of tools, documents, packages and more for companies, residential complexes...

Quality features:



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