User Manual

Installation and maintenance instructions

ABES PUBLIC DESIGN

ABES Bicycle-Stand 480

with one-sided bike support

3-rack-system – wheel position low/low
4-rack-system – wheel position low/high

Version: 2021.V.2

Fahrradparker 480
Q2103, 04/2021
Geprüft nach DIN 79008
Empfohlene adfc Qualität

After technical testing according to DIN 79008, ABES Bicycle-Stand 480 with one-sided bike support is recommended by the ADFC (Allgemeiner Deutscher Fahrrad-Club e.V.).

Quality Label Test Number Q2103, 04/2021.

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Manufacturer data

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Aut. d'Etablissement: 75207
R. C. S. Luxembourg: B 48944
CEO: Rotger Barich

Design: *Christoph Marzi*

Planning sketch

The space requirements for the setup, with recommendations relative to the depth setting and the lateral spacing between two parking slots, as well as information on the maneuvering area for the easy parking and retrieving of bikes, are the topics of *appendices 1.1* and *1.2*.

Technical data

Dimensions

See *appendices 2.1 and 2.2*: Technical drawing with detailled measurements.
The dimensions give evidence of the bicycle stand system's perceptibility in a vacant state.

Material certifications

The bicycle stands are manufactured in Germany; their materials originate in the European Economic Area.

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Main rack

Round tube (Ø 42,4 x 2 mm), stainless steel 1.4301, polished (grain 240), noncorrosive. Tolerance according to ISO 1127 D2/T3.
ID No 50166608710002, Heat Number 01/459673.

Wheel rack

Round tube (Ø 12 mm), stainless steel 1.4301, polished (grain 240), noncorrosive. Tolerance according to ISO 1127 D2/T3

Chain lock and U-lock eyelet

Round tube (Ø 12 mm) stainless steel 1.4301, polished (grain 240), noncorrosive. Tolerance according to ISO 1127 D2/T3

Flanges plates

Plate (50 x 120 x 8 mm), stainless steel 1.4301, polished (grain 240), noncorrosive. Tolerance according to ISO 1127 D2/T3

Floor rails

Trapezoidal rail (3 mm), stainless steel 1.4301, polished (grain 240), noncorrosive. Tolerance according to ISO 1127 D2/T3

Screws and small parts

A list of all screws and small parts included in the delivery as well as their materials and quality can be found in *appendices 3.1 and 3.2.*

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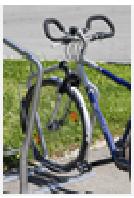
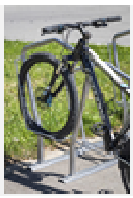
Assembly

The bicycle stand is designed to be set up on a flat concrete surface (C25/30), or any other underground with an equivalent bearing capacity, with a level value of +/- 0 mm. A list of the components and the assembly instructions are summarized under *appendices 3.1 and 3.2*. The disassembly happens in reverse order.

Handling

Parking the bike

Place the bike with its front wheel in a vacant slot. The construction holds the bike by itself and is gentle on the frame.

Fastening an anti-theft device


Connect the bike with a chain or U-lock to the provided inward looking eyelet, thus protecting it against theft.

Retrieving the bike

Take off the chain or U-lock and remove the bike from the slot.

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Notes

Weather protection

The bicycle stand is designed for outdoor use. No particular protection measures are required.

Concerning the perceptibility of a vacant bicycle rack system

Visually impaired or blind persons can identify the bicycle stand system by touching it with a cane. The front wheel rack functions as ground level crossbar (tactile bar). There is no (tripping) hazard even though its lower edge is not set exactly 150 mm above ground. Also, passers-by and users do not risk to hit their head as there is no component at a height between 1.350 and 2.000 mm to pose any danger.

Stability and equilibrium

The bicycle stand offers secure positioning if assembled and mounted as indicated by the guidelines in chapters *Planning sketch*, *Technical data* and *Assembly*.
The construction's components have been given sufficiently large dimensions to guarantee adequate theft prevention. Their preservation is subject to the condition of correct use (see chapter *Handling*) and appropriate care (see chapter *Cleaning*). For the replacement of damaged parts refer to chapter *Repairs*.

Cleaning

In spring and in autumn, the construction must be cleaned from major dirt, deposits, and other impurities with water or a damp cloth. The use of corrosive or abrasive cleaners can damage the surface permanently. Only cleaners specifically suited for stainless steel may be used. The impact of dissolved dirt and cleaning agents on the environment should also be considered.

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Maintenance, repairs and disposal

In summer and in winter, every screw joint has to be checked and, if need be, tightened to ensure the stable connection between all the components.
The bicycle parker has a modular structure. Depending on the damage extend, affected components can be removed and replaced. Spare parts can be requested and ordered from the manufacturer. To contact the manufacturer, refer to chapter *Manufacturer Data* or T*echnical Support*.

The disassembly happens in reverse order (see chapter *Assembly*).

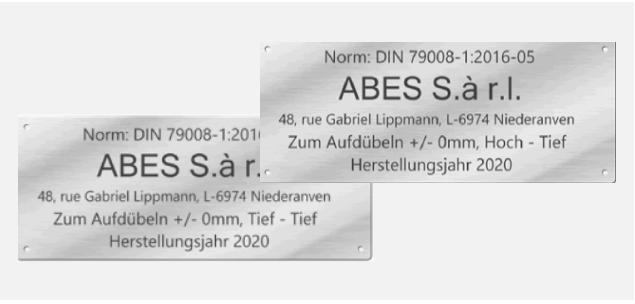
The construction is made entirely of metallic components that can be disposed of at the scrap metal collection and then recycled. Ask your local waste disposal company for the location of collection sites near you.

Transport and storage

The construction is delivered disassembled. It can be stored and transported in a loose or in an assembled state. Bicycle stands packed ex factory are not stackable. For the product's dimensions refer to chapter *Dimensions*.

Identification

Every bicycle stand bears a factory label with the following information:



Technical support

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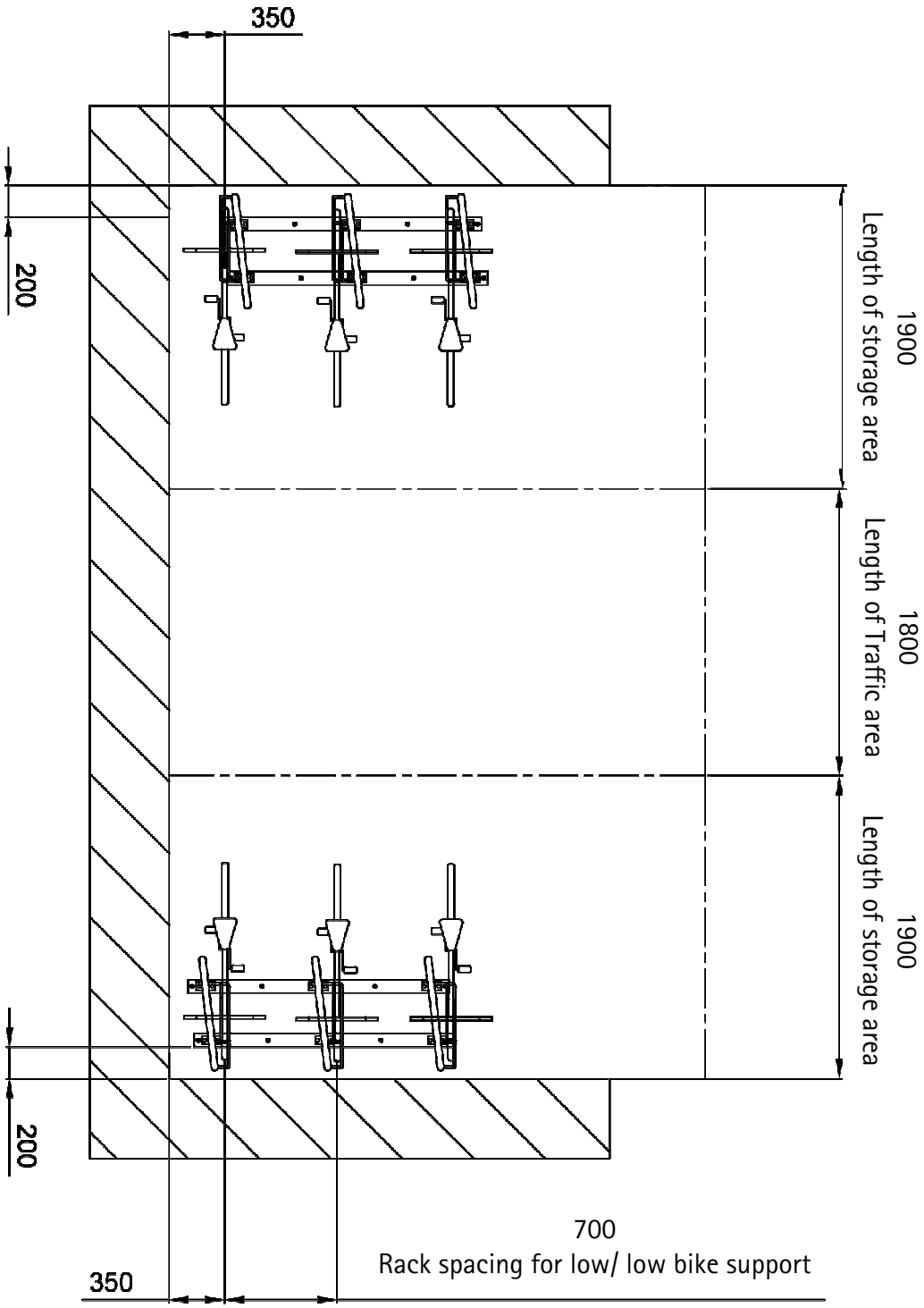
Appendices

Appendix 1.1 – Planning sketch 3-rack-system (low/low)



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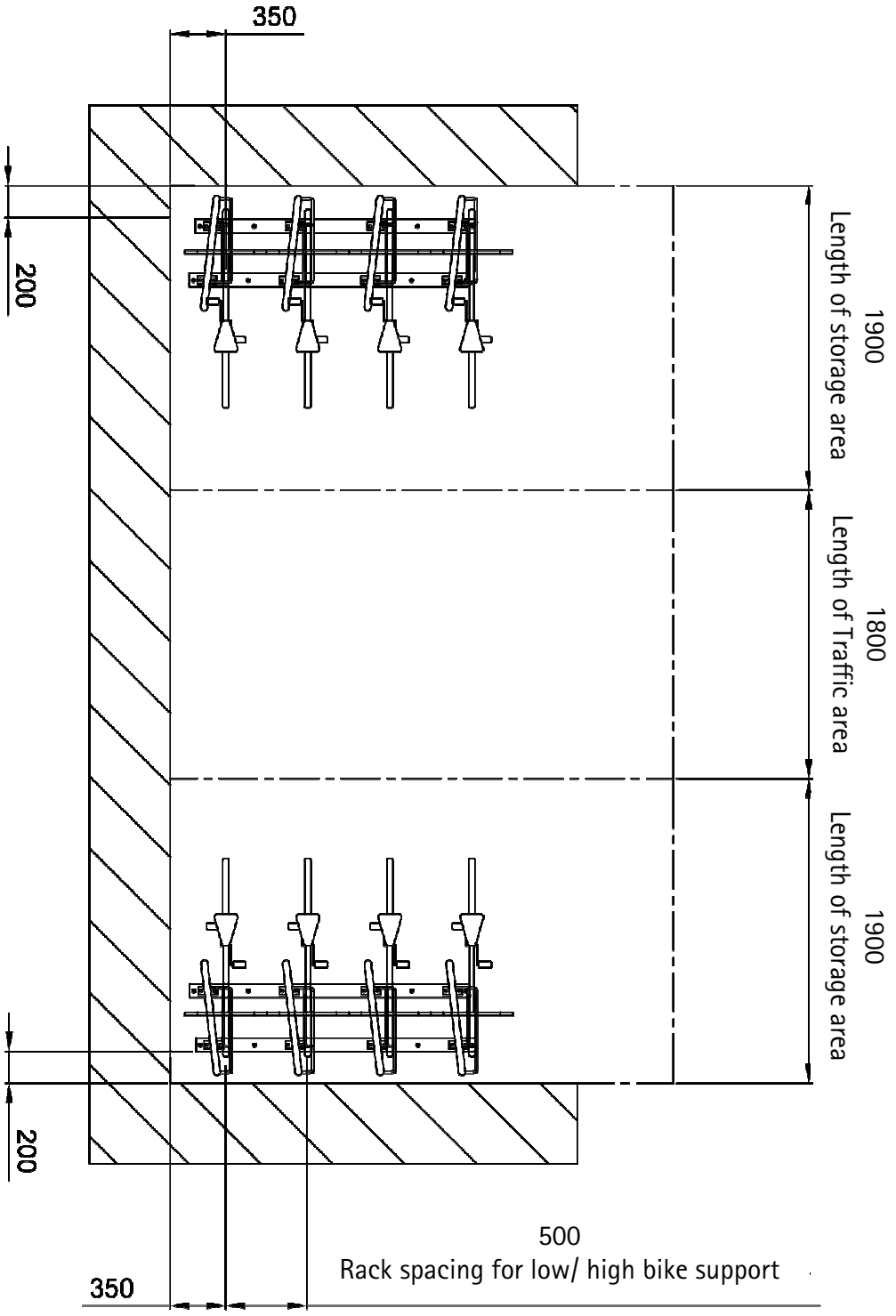
Appendix 1.2 – Planning sketch 4-rack-system (low/high)



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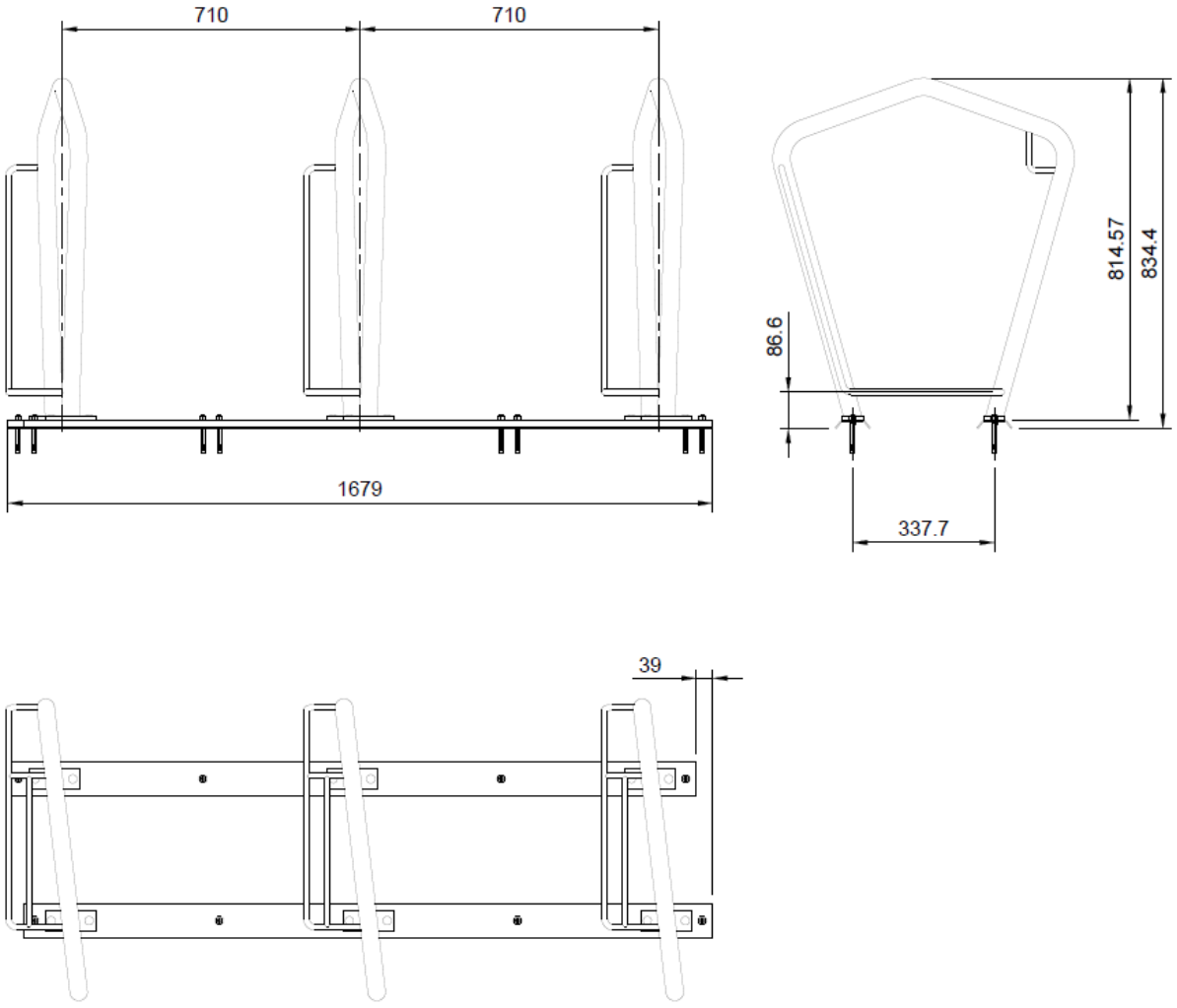
Appendix 2.1 – Technical drawing 3-rack-system (low/low)



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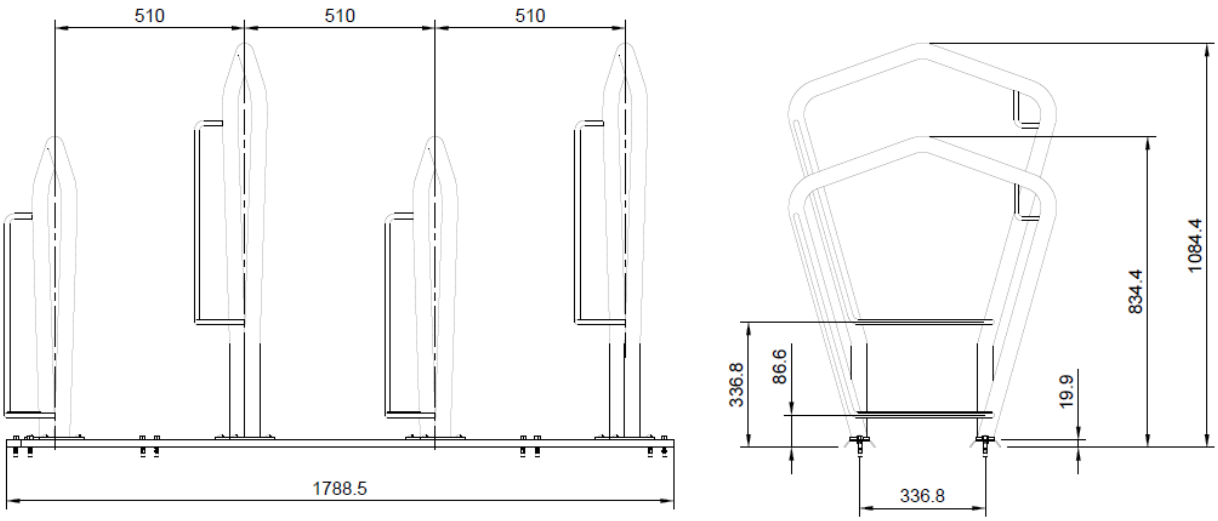
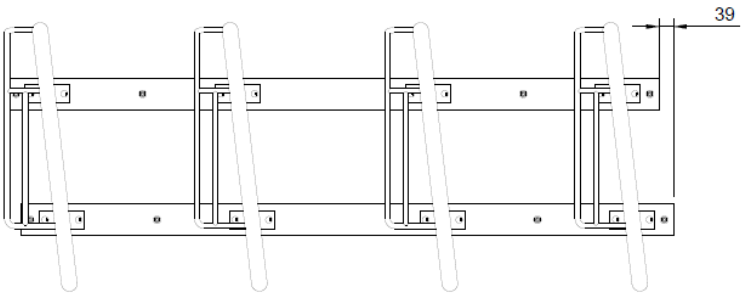
Appendix 2.2 – Technical drawing 4-rack-system (low/high)





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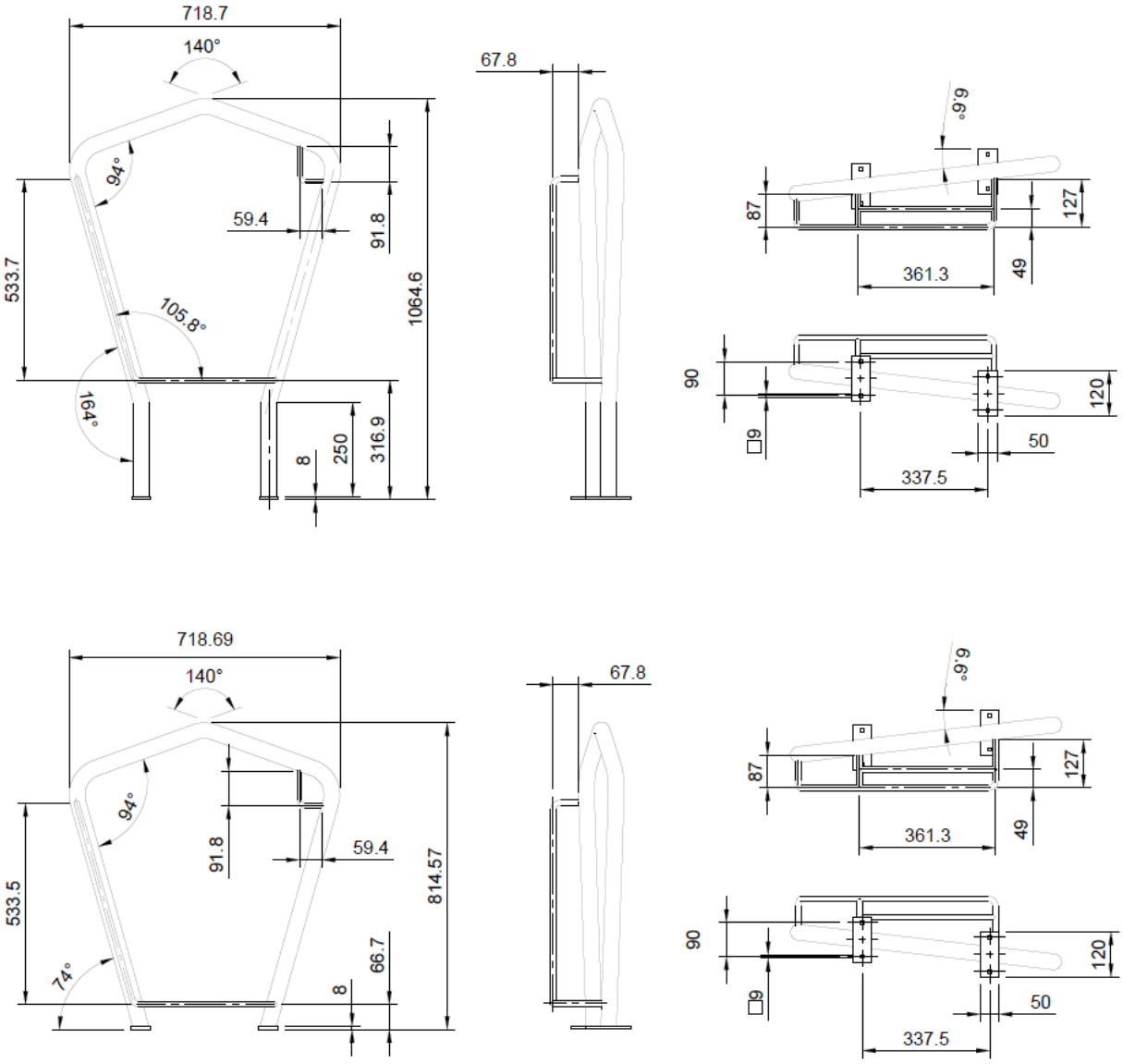
Appendix 2.3 – Technical drawing single racks high and low



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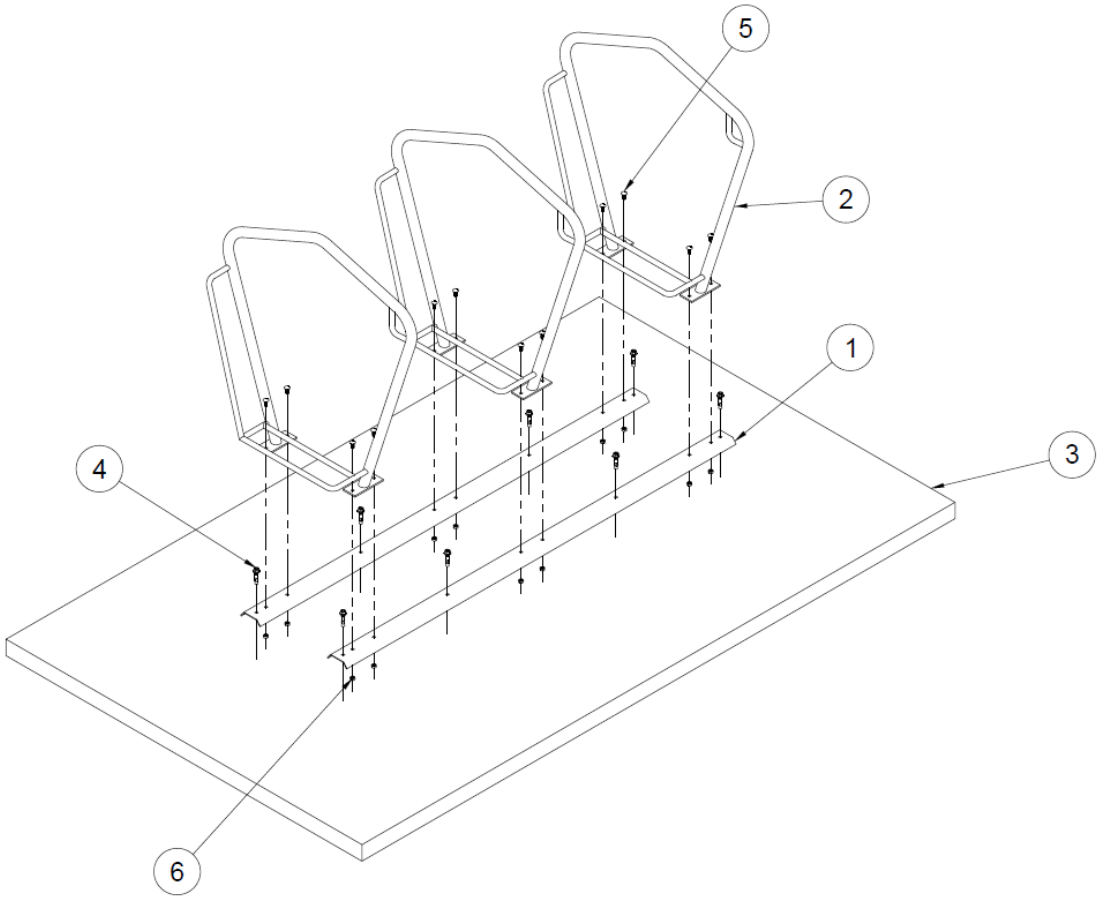
Appendix 3.1 – Assembly instructions 3-rack-system (low/low)



Components

Nr.	Units	Designation
1	2	Trapezoidal rail for Bicycle-Stand 480 3-rack-system (low/low)
2	3	Bicycle-Stand 480 with flange (wheel position: low)
3	(floor)	concrete (e.g.: C25/30)
4	8	Heavy duty anchor W-TM M8 x 60
5	12	Round head screw DIN 603 M8 x20
6	12	Hexagon nut DIN EN ISO 4032 - M8

Assembly and mounting

Use the round head screws (5) and the hexagon nuts (6) to connect the Bicycle-Stands 480 (2) to both trapezoidal rails (1). Adjust the construction (see *Planning sketch*) and fix the rails (1) with the heavy duty anchor (4) to the floor (3).
The disassembly is done in reverse order.

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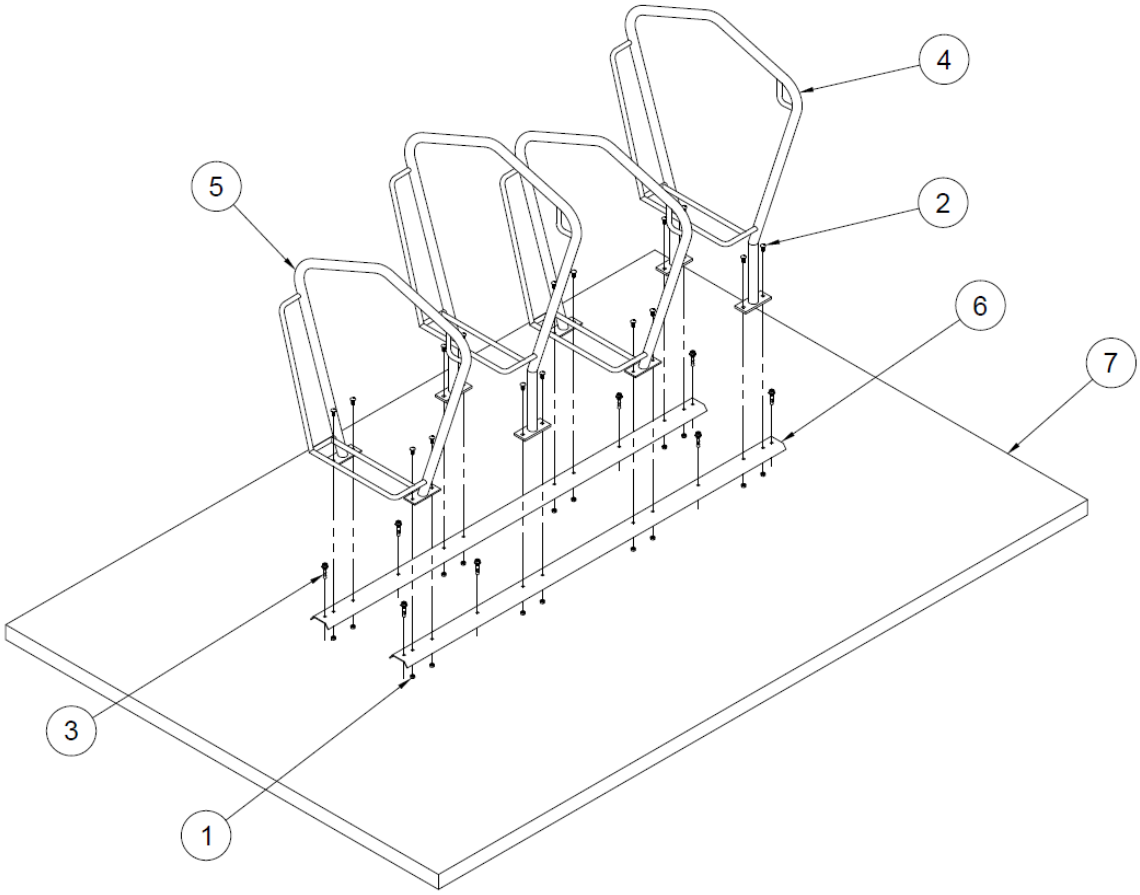
Appendix 3.2 – Assembly instructions 4-rack-system (low/high)



Components

Nr.	Units	Designation
1	16	Hexagon nut DIN EN ISO 4032 - M8
2	16	Round head screw DIN 603 M8 x20
3	8	Heavy duty anchor W-TM M8 x 60
4	2	Bicycle-Stand 480 with flange (wheel position: high)
5	2	Bicycle-Stand 480 with flange (wheel position: low)
6	2	Trapezoidal rail for Bicycle-Stand 480 4-rack-system (low/high)
7	(floor)	concrete (e.g.: C25/30)

Zusammenbau und Montage

Use the round head screws (2) and the hexagon nuts (1) to connect the Bicycle-Stands 480 (4+5) to both trapezoidal rails (6). Adjust the construction (see *Planning sketch*) and fix the rails (6) with the heavy duty anchor (3) to the floor (7).
The disassembly is done in reverse order.

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