



ParkAbikeZ

ALLIANCZ INTERNATIONAL PTE LTD

# PRODUCT CATALOGUE



AlliancZ International Pte Ltd



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## PSB 100,000 CYCLIC TEST



## PSB Singapore

PSB SUD TUV is a service provider for a comprehensive and integrated suite of product testing, inspection, auditing, certification, training, and knowledge services. Their 100,000 cyclic test is designed to monitor how a machine operates after continuous usage. Our double tier bicycle rack was tested by PSB and it was found after 100,000 uses (the top tier being pulled down and put back up 100,000 times) the rack was still working perfectly and there was no visible damage or malfunction. If the rack was to be used 2 times a day by someone parking their bike, this gives the double tier bicycle rack years of worry free functioning, providing peace of mind to users and developers.



Since 2006, ParkAbikeZ double tier bicycle rack system has been providing cyclists with a safe, secure and reliable parking space for their bicycles. By incorporating a double tier system, we create more parking options where space is limited, creating a neat, organized parking area. While this also encourages more people to ride and exercise, it also helps encourage less driving which is better for roads and better for the environment. By combining a strong steel body with state of the art hydraulic assistance technology, ParkAbikeZ creates a sturdy and yet user friendly experience.

# ATTRIBUTES

- ✓ Gradient in the top tier pocket allows rainwater flow out to prevent water retention. Special gaps and perforated holes are provided to allow proper drainage and prevent trapped debris and mosquito breeding.
- ✓ The rollers are in-built with hidden bearings to enable smooth retraction. Less friction is required for usage.
- ✓ ParkAbikeZ racks use a SOTA Made-in-Japan heavy duty hydraulic system to prevent damaging the surface of the ground and for better ease of use.
- ✓ Contact points are painted with luminous colour to attract pedestrian's attention. All potential contact point edges have been de-burred and rounded in order to avoid possible injury with use.
- ✓ Publically tested and installed at many MRT stations and confirmed to be suitable for both senior and younger users. The height of the second tier has been ergonomically adjusted to prevent health issues.
- ✓ After discussions with LTA we have added a heavy-duty 50 mm "L"-shaped Galvanized Steel bar to provide more safety to the lower tier.
- ✓ All of our bicycle racks are made with Hot-dip Galvanized steel to BS ISO EN 1461:1999 or equivalent. In addition, Polyester powder coating for anti-rust. Stainless steel options are also available.







# *MATERIALS AND FINISHES*

ParkAbikeZ is offered in different materials and finishes catering to clients' need which can be used for any type of bicycle rack provided. The following table outlines the available materials and finishes for your bicycle rack:

<b>Material</b>	<b>Finishes</b>
Galvanised Steel	Powder Coating
Stainless Steel (SS304)	Polished finishes
	Satin finished
	Polished finishes
Stainless Steel (SS316)	Satin finished

# *PARKABIKEZ DOUBLE TIER SERIES*

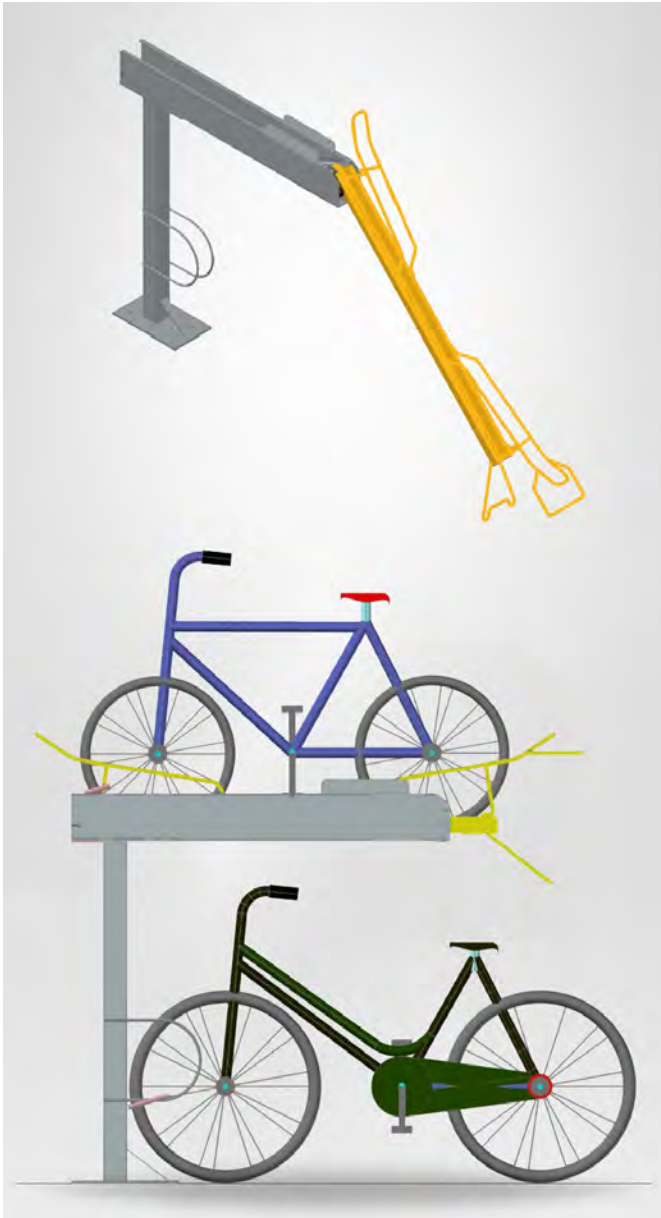




# *DOUBLE TIER U SERIES*







Our U series bicycle rack is our timeless series, first being installed at Pasir Ris station in 2006. Our racks are made completely of hot-dipped galvanized steel, this means steel dipped in a special zinc coating to improve it's resilience against rust and wear. It is then powder coated in grey to give it both a smooth finish and further protection against rain and sunshine.

The racks are secured to the ground using 4 HILTI expansion bolts, which are pull out tested upon installation.

The top tier uses a heavy duty hydraulic system to allow the top tier to be pulled down slowly and safely, and additionally assists to lift the bicycle once it is loaded to it's top resting position. This assists elderly and younger users of the rack.

Requirements:

Headroom = **2300mm**

Pull down allowance = **3500mm**

Distance between racks = **650mm (center to center)**



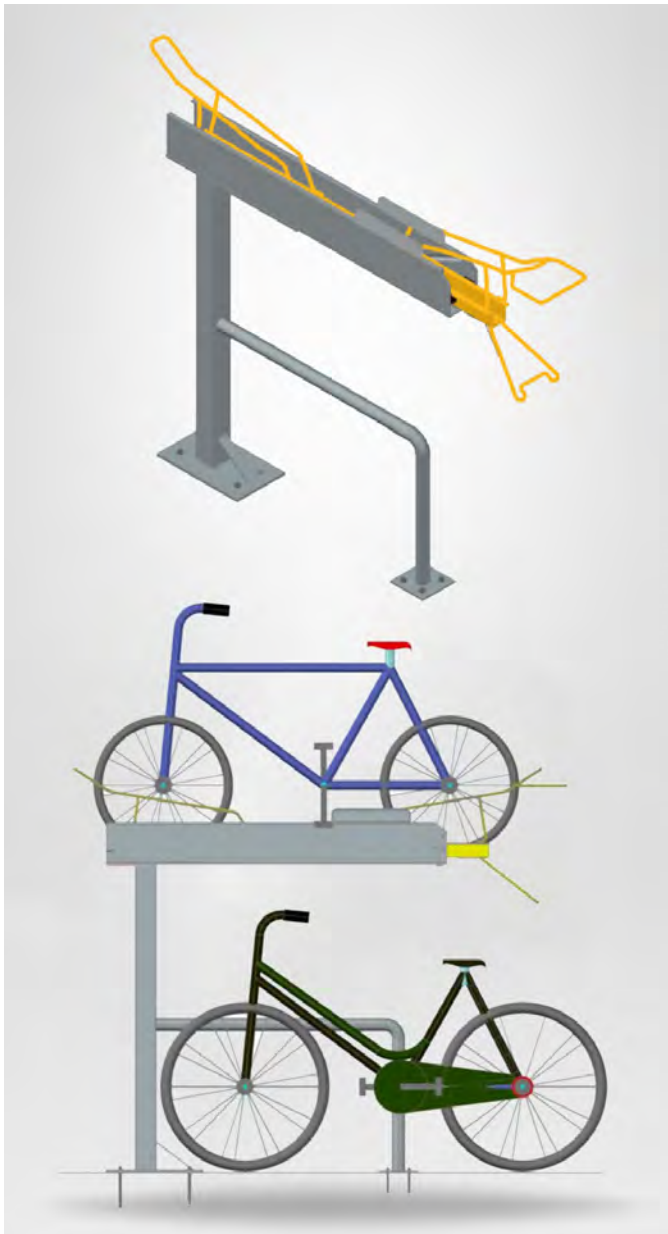
# *DOUBLE TIER L SERIES*











The L Series bicycle rack is our newest addition to the double tier family. After feedback from government bodies and research within Alliancz International, it was decided the L-shape bar should be incorporated as an option.

This bar provides added security to the bicycle parked at the bottom tier, as it allows the body of the bicycle to be attached rather than just the single front wheel.

It also provides more stability as 4 more smaller HILTI anchor bolts are used at the end of the L bar, creating another point of stability.

This rack also utilizes hot-dipped galvanized steel as well as the heavy-duty hydraulic system for continual quality.

Requirements:

Headroom = **2300mm**

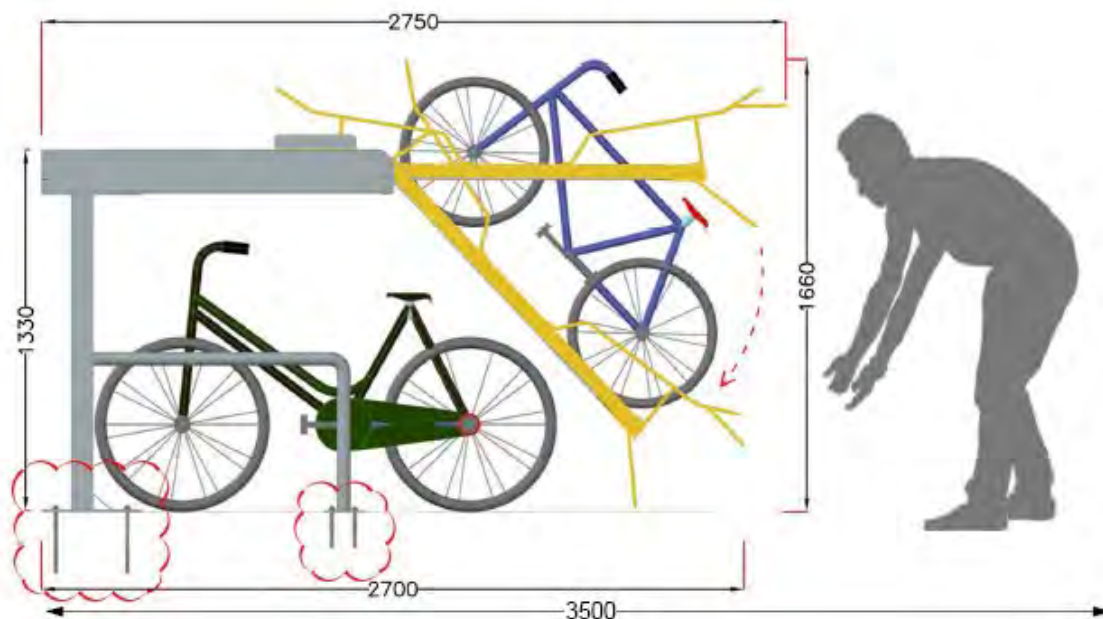
Pull down allowance = **3500mm**

Distance between racks = **650mm (center to center)**

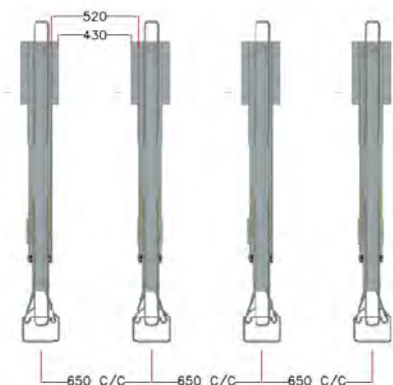
# DOUBLE TIER REQUIREMENTS

ParkAbikeZ double tier racks require correct spacing during planning and installation stages to ensure they can work as intended without hindrance to the user or damage to the bicycle.

With bicycles parked on both tiers, the rack takes up approximately 1.9 meters of width and **requires 2.3 meters of headroom**, when the top tier is pulled out this distance will extend to 2.7 meters. For this reason we always recommend another 800mm of space for the user to pull the bicycle out and off the rack. All together this creates a **pull out requirement of 3500mm** from the first base plate of the rack.



Additionally, Parkabikez must be installed with **650mm between the center of each bicycle rack** (650mm C/C). This allows space for adjacent handlebars and pedals to not clash with one another. For a closer space saving solution check out our staggered series on page 33.





# *PARKIS*



# PARKIS

PARKIS is a simple and smart space saving solution for bicycles. It is completely mechanical and magically lifts your bike without any physical effort. It is an ideal bike rack that saves space at home, in the office, garage, balcony or under any shelter. It is easy to install anywhere and fun to use every day!

PARKIS is unique in that it does not use any electricity, is maintenance free and is a stylish addition to any home, office or residential block. It can be used with all the most popular bikes and is a greatly efficient way to store bicycles and save space.



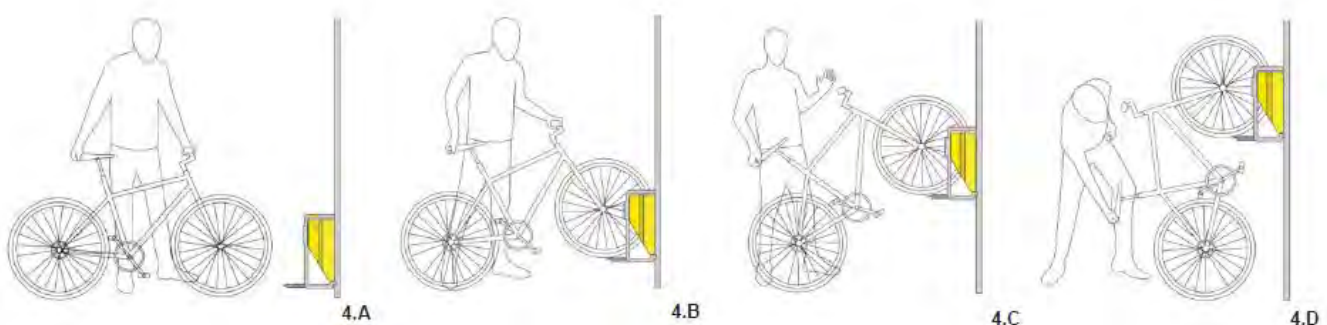
Tire Width Maximum: 61mm / 2.4 inches

Weight Allowance on front axis: 15kg

Rim + tire height max 77mm

Dimensions: 170 x 25 x 16 cm, weighs 6 kg

Mud flaps must end above the wheel axis



# *PARKABIKEZ SINGLE TIER SERIES*

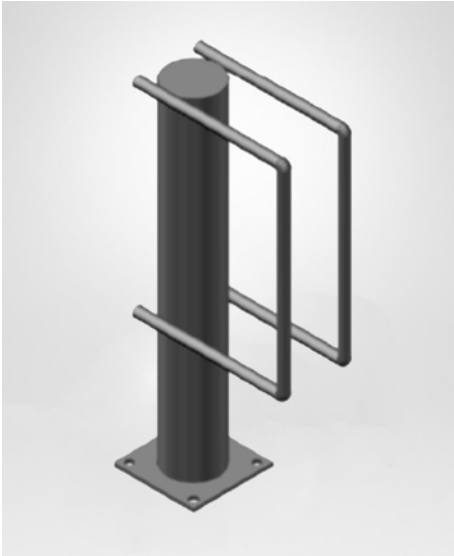




# *SINGLE TIER P SERIES*



Bicycles parked without racks can usually lead to chaos, as they fall over, lock together and become damaged. The best solution to this issue is with an organized bicycle parking system, by allocating spaces and stands for bicycles this creates order and allows better use of space in offices, condominiums and shopping centers alike. Available in both galvanized and stainless steel options, these racks provide longevity and organization in all areas.



## P1 - The All-Rounder

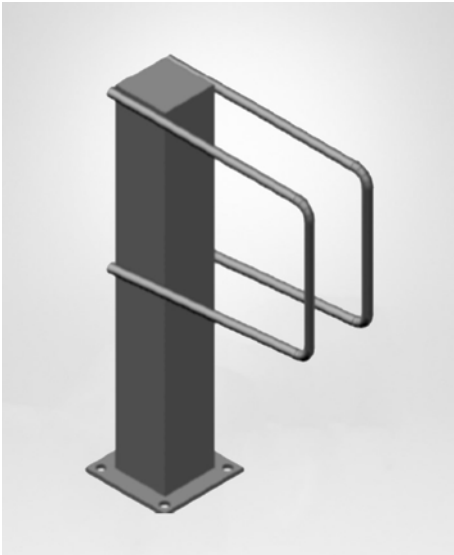
**Model:** AZ Single-Tier Bicycle Rack

**Installation:** Floor Fixed

**Height:** 500 mm

**Width:** 120 mm

**Length:** 200 mm



## P2 - The Solid Square

**Model:** AZ Single-Tier Bicycle Rack

**Installation:** Floor Fixed

**Height:** 500 mm

**Width:** 120 mm

**Length:** 300 mm



## P3—The Wall & Floor

**Model:** AZ Single-Tier Bicycle Rack

**Installation:** Floor & Wall Mounted

**Height:** 500 mm

**Width:** 230 mm

**Length:** 300 mm





## R1—AZ Round Head

Model: AZ Single-Tier Bicycle Rack

Installation: Floor Fixed

Height: 850 mm

Width: 150 mm

Length: 353 mm



## B1—AZ Bollard

Model: AZ Bollard Stand

Installation: Floor Fixed

Height: 1004 mm

Width: 250 mm

Length: 250 mm



## B2—AZ Collapsible Bollard

Model: AZ Bollard Stand

Installation: Floor Fixed

Height: 1004 mm

Width: 250 mm

Length: 250 mm

Collapsible Stainless Steel Padlock  
secured pins for safety and reliability



## R2—The Round and Out

Model: AZ Single tier Bicycle Rack

Installation: Floor Fixed



## A1—Deluxe Floor Pump with Gauge

Model: AZ Bicycle Accessory Item—MADE IN USA

Installation: Floor Fixed

Height: 700 mm

Width: 200 mm

Max Pressure: 160 psi

Hose Length Options: 460mm / 890mm

Solid Stainless Steel piston rod, alloy handle with smash proof gauge.



## A2—Bicycle Work Repair Station

Model: AZ Bicycle Accessory Item—MADE IN USA

Installation: Floor Fixed

Height: 1260 mm

Width: 406 mm

Material: Laser-cut steel DOM tubing

Tools Included: Deluxe Public Work Stand Tool Set, Philips & Standard Screwdriver, Steel Core Tire Levers, Headset/Pedal Wrench, 8/10mm core wrench, 9/11 cone wrench, Torx T-25, Hex Key Set, Outdoor Pump with gauge.



# *SINGLE TIER O SERIES*



For a more stylish and modern looking solution to your bicycle parking, there is the O-series. These single tier racks combine sleek design with fresh ingenuity, provided more options for cyclists to park and securely lock their bicycle. Available in both galvanized and stainless steel, these racks add a touch of class to your bicycle area.



## O1 - The Crest Wave

**Model:** AZ Single-Tier Bicycle Rack

**Installation:** Floor Fixed

**Height:** 800 mm

**Width:** 600 mm

**Thickness:** 50Ø 2mm THK. G.S Circular Hollow Section



## O2 - The Hulla Hoop

**Model:** AZ Single-Tier Bicycle Rack

**Installation:** Floor Fixed

**Height:** 860 mm

**Width:** 940 mm

**Thickness:** 50Ø 2mm THK. G.S Circular Hollow Section



## O3 - The Horizontal Sphere

**Model:** AZ Single-Tier Bicycle Rack

**Installation:** Floor Fixed

**Height:** 860 mm

**Width:** 940 mm

**Thickness:** 50Ø 2mm THK. G.S Circular Hollow Section



# *SINGLE TIER*

# *MULTI SERIES*



Our multi series combines our two goals that we aim to achieve with all our bicycle parking systems. The first is to provide a safe and secure parking area for bicycles, while also keeping this space organized and user friendly. The multi series combines a variety of space solutions to match a variety of areas, and by offering both vertical, slanted and ground options, there is sure to be a multi rack to meet your needs.





## MS1 - The Spiral Saver

Model: AZ Spiral Bicycle Rack

Parking: Multiple Bicycle

Installation: Floor Mounted

Height: 700 mm

Length: 1200 mm



## MS2 - The Secure Slanted

Model: AZ Slanted Bicycle Rack

Parking: Multiple Bicycle (6)

Installation: Floor Fixed

Height: 1829mm

Width: 1143mm

Thickness: 50Ø 2mm THK. G.S Circular Hollow  
Section



## MS3 - The Stylish Vertical

Model: AZ Vertical Bicycle Rack

Parking: Multiple Bicycle (6)

Installation: Vertical Wall Fixed

Height: 340mm

Width: 91mm

Depth: 580mm



## MS4 - The Space Expand

Model: AZ High-Low Tier Multi

Parking: Multiple Bicycle

Installation: Floor Mounted / Free standing

Height: 450 mm

Length: 2000 mm



## MS5 - The Space Extreme

Model: AZ High-Low Tier Multi

Parking: Multiple Bicycle

Installation: Floor Mounted / Free standing

Height: 830 mm

Length: 2740 mm



## MS6 - The Space Explore

Model: AZ High Capacity Single Unit

Parking: Multiple Bicycle

Installation: Floor Mounted / Free standing

Height: 800 mm

Length: 4350 mm

# *BICYCLE LOCKER SERIES*





# *BICYCLE LOCKER SERIES*



For many of us a bicycle is a travel companion, it is our trusted vehicle to get us everywhere we need to go. For those who have cared for their bicycle and invested in its design and function, we understand the importance of keeping your investment safe and secure. So, for when a bicycle chain lock is simply not enough, we have our ParkAbikeZ Bicycle locker, a safe haven for your bicycle as well as your riding equipment. Designed with the rider in mind, our locker system is not only secure, but ergonomically tailored to also secure away your helmet, gloves, riding shoes, and any other items you carry with you.



Inside the ParkAbikeZ locker you will find the vertical parking area for your bicycle, the wheel tray below helps to guide your bike along while also making sure it stays upright and will not fall to the side once the door is closed.

The hooks at the top are perfect for helmets and riding gloves, and also coat hangers if you wish to hang your riding shirt or other gear.

The perforated middle tray can be a platform for any GPS or riding light, as well as a cool area for riding shirts. The perforated design aids in making sure the shirt and clothing does not become damp.

The bottom deep tray is designed to hold riding shoes, also perforated to allow breathing space.

Every ParkAbikeZ Bicycle Locker is equipped with a TESA—ASSA ABLOY Digital Push Button door lock. This high security lock is easy to set up with a 4 digit code, but provides maximum security.





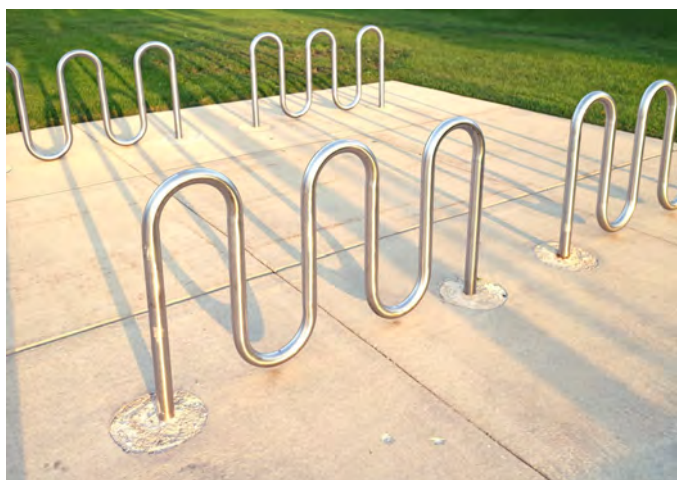
# *CUSTOM BICYCLE RACK STYLES*

Customisation is always at the fore-front of all of our products, and our bicycle racks are no different. No one person is the same, so we offer options that will cater to everyone's needs. All of our double and single tier racks are available in both galvanized and stainless steel, with powder coating finishes available as standard.

We also offer colour customization for those who wish to add a touch of vibrancy to their project. We can also listen to your design intent and offer small, intricate changes that will make your bicycle parking feel truly suited to you. If you wish to learn more, please contact us.



# *CUSTOM STYLE SINGLE TIER*





# *CUSTOM STYLE DOUBLE TIER*



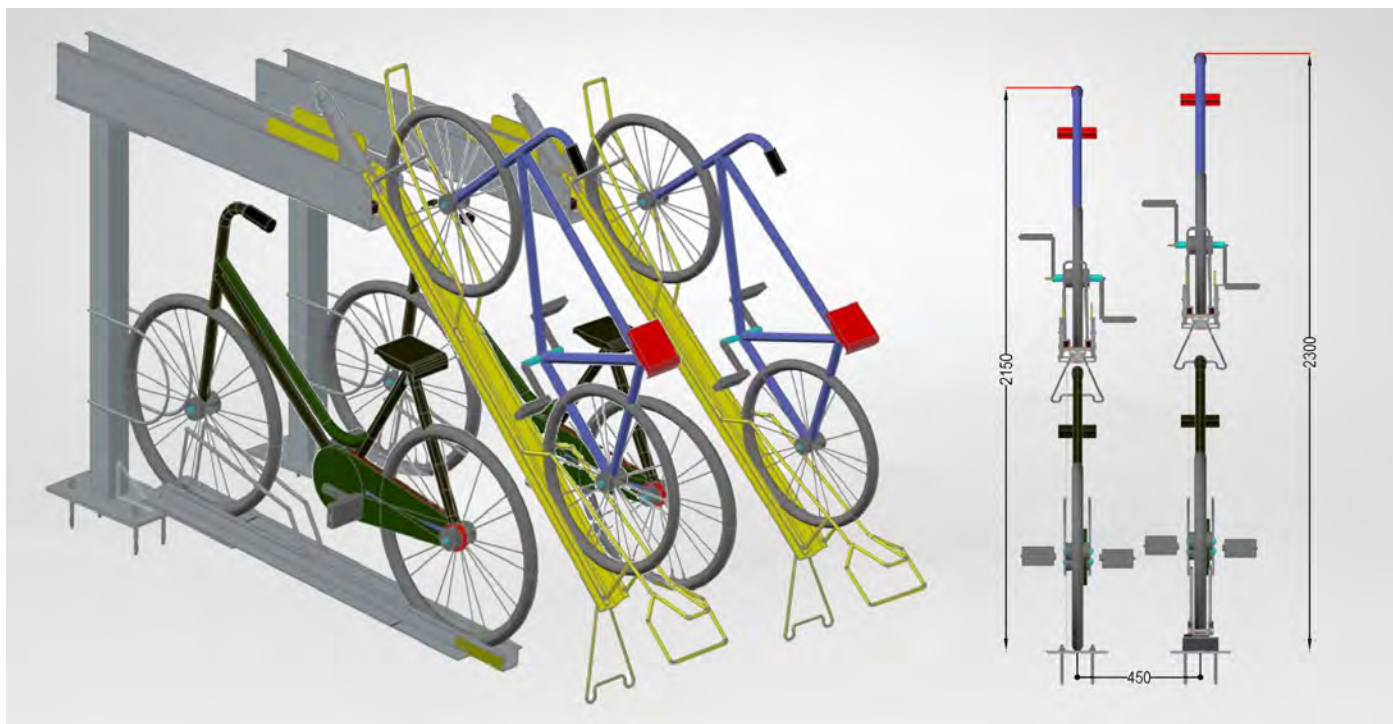


# *CUSTOM STYLE STAGGERED TIER*



For when space is very limited we have our custom style staggered tier range. Usually we allow at least a 600mm gap between each rack to make sure neighboring bicycles do not collide, but using our staggered system you are able to shorten that gap to 450mm! By subsequently altering the height of rack to differ from the last, we can have each bicycle closer together without danger of them colliding.





## CS – Staggered Tier Bicycle Rack

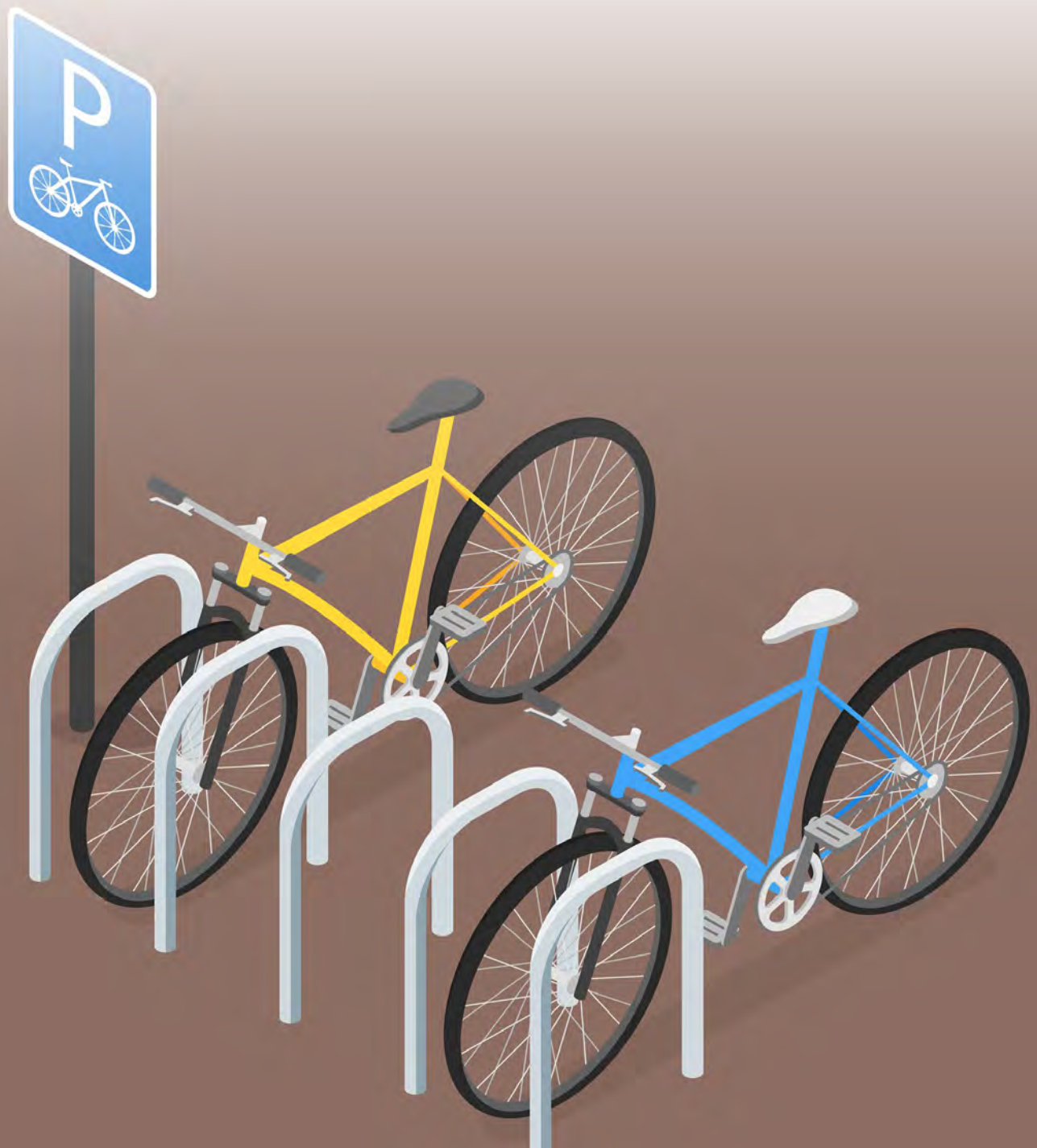
**Model: AZ Double Tier Staggered System**

**Installation: Floor Fixed**

**Height: 2150/2300 mm (with bicycle)**

**Length: 1912 mm (Top Tier up)**

# *SPECIFICATION & WARRANTY*



# *SPECS & WARRANTY*

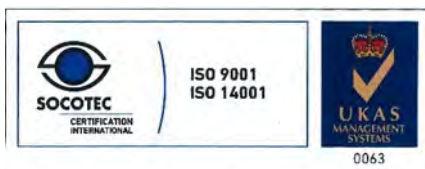
AZ 2 Tier Bicycle Rack stand requires a minimum of 2.3 meters of clear headroom (650 apart from C2C). 2.6 meters headroom allows the decks to be closer together and thus allows higher capacity. 2.5 meters of access is required in front of units.

The steel material of our racks is Hot-dip Galvanized steel to BS ISO EN 1461:1999 or equivalent. The finish is a Polyester powder coating for anti-rust.

Double Tier racks have all been tested to 100,000 cycles by TUV SUD PSB, Singapore. Even at 100,000 times of pulling and returning of the second-tier, there were no visible damages observed. TÜV SÜD PSB is accredited under the Singapore Accreditation Council Singapore Laboratory Accreditation (SAC-Singlas) Scheme to ISO/IEC Guide 25 (ISO/IEC 17025) and ISO Guide 65.

All HILTI expansion bolts used with our racks are approved by LTA, specifications can be furnished upon request.

All bicycle racks are provided with a one year warranty against manufacturing defects.







## **CONTACT US**

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