



## 2-Tier Bike Rack Operating Comparison

This comparison looks at some of the popular high capacity systems available in the UK market.

It looks at the length of the top rack, the distance it travels back, how it drops down, then the distance it takes up when a bike is loaded onto the extended rack. Finally it shows the width of the walkway needed.

With most systems the top rack travels almost all the way out before pivoting to drop to the ground. This means that it needs about 2.5m for the rack, then a walkway of 2m to 2.5m, so about 4.5m to 5m overall.

The Josta system pivots less than half way out, then drops down. The rack does not go to the ground so the rack width is just over 2m, which allows a much narrower walkway. We recommend 2m but it does work comfortably at 1.7m.

Other systems have different methods of holding the bike in the rack, with most of them having a bar or similar that the bike has to be lifted over in order to be loaded on to the rack. This is easier if done on or near the ground, but it does need more space. In the Josta system the wheels are held in place by a patented wheel gripping device, operated by the weight of the bike. The wheel device and wide channel of the Josta system means it is very easy to load a bike, which is not near the ground.

This means that the walkway needed on the various systems is very different, as shown on the diagrams.

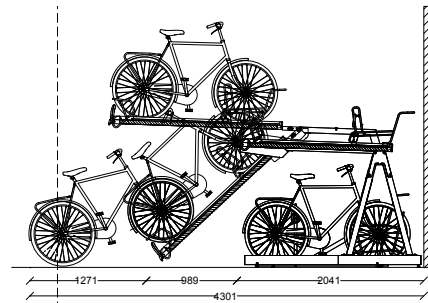


2m

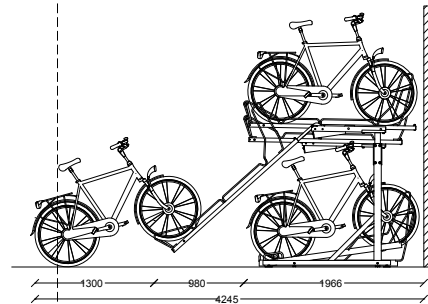
Location: The Post Building, New Oxford Street, London

2-Tier Bike Places: 344

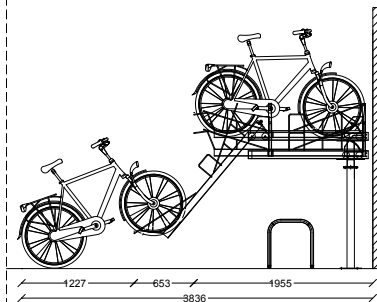
2-Tier Walkway Distance: 2m between racks



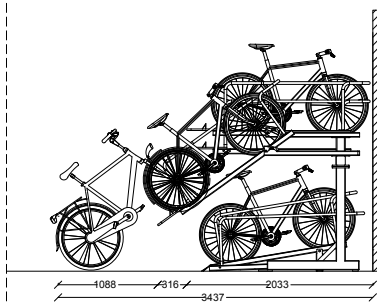
Dutch System 1



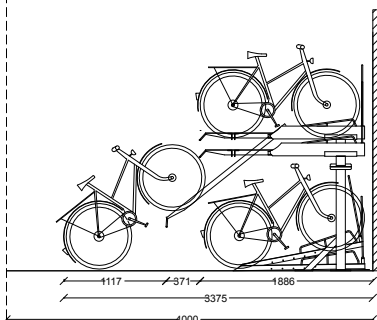
Dutch System 2



UK System



German System



Josta System  
3700 to 4000  
Overall  
recommended  
width