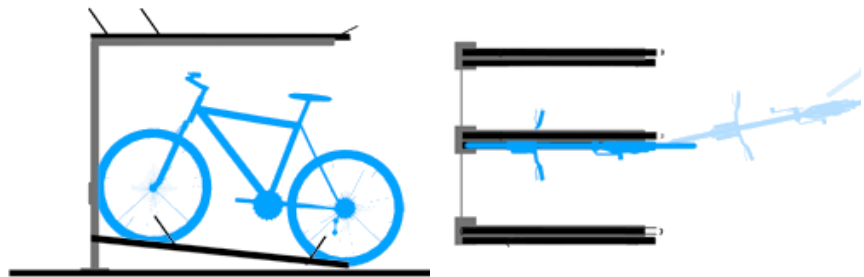


Design Resources > Design Responses > About Furniture > Typology > **Industrial: Public and Semi-public Use**

Two Tier Racks



Double tier parking systems are designed for dense cycle parking where space is limited and demand is high. They can be simpler to use than they look. Installation is by fixing bolts into ground and wall surface.



Typical Context of Use:

Semi Restricted Access. Workplace and Leisure sites, Car parks, Basements, Transport Interchanges etc. Typically used in off-street environments but occasionally found in on-street location.

Installation: fixing bolts into the ground and wall surface.

Typical Length of Stay:

Med-Long (2-8+ hours).

Number of Bikes per Unit:

2 bikes or 4 bikes.

Approximate Cost per Bike:

From £200 - £270 (and more for 4 bikes unit).

Locking Opportunities / Lock Compatibility:

Good: two wheels and frame. / All types.

Ease of Use / Time to Lock:

The lower track is of easier access, although generating some locking issues (very difficult to reach the front wheel). The upper tier is more complex to access and offers limited locking opportunities.





Locking times range between 2 and 6 minutes.

Strengths:

- The double tier parking system allows a near doubling of capacity of a bike parking area
- Available in single units or racks hence very versatile for different space layout solutions
- 10-20 years

Weaknesses:

- Time of use/access and locking opportunities are the main issues reported by users
- Height of ceiling and services often limit the installation of the system