

Calculating space requirements for a Bicyclejack bike lift

Minimum space requirements where wall space is limited (bicycles are hung alternately at different heights).

One BicycleJack for storing one bicycle = width 70 cm x height 210 cm

Each additional BicycleJack = + 35 cm x 210 cm (W x H) (always staggered by 20 cm in height)

Example:

2 bicycles = 1 x width 70 cm + 1 x width 35 cm = wall space of width 105 cm x height 210 cm

3 bicycles = 1 x width 70 cm + 2 x width 35 cm = wall space of width 140 cm x height 210 cm

4 bicycles = 1 x width 70 cm + 3 x width 35 cm = wall area of width 175 cm x height 210 cm

5 bicycles = 1 x width 70 cm + 4 x width 35 cm = wall area of width 210 cm x height 210 cm

8 bicycles = 1 x width 70 cm + 7 x width 35 cm = wall area of width 315 cm x height 210 cm

10 bicycles = 1 x width 70 cm + 9 x width 35 cm = wall space of width 385 cm x height 210 cm

Minimum space requirement with ample wall space available (bicycles hung at the same height)

One BicycleJack for storing one bicycle = width 70 cm x height 190 cm; each additional BicycleJack = +70 cm x 190 cm (W x H)

Example:

2 bicycles = 2 x width 70 cm = wall space of width 140 cm x height 190 cm

3 bicycles = 3 x width 70 cm = wall space of width 210 cm x height 190 cm

4 bikes = 4 x width 70 cm = wall area of width 280 cm x height 190 cm

5 bicycles = 5 x width 70 cm = wall area of width 350 cm x height 190 cm

8 bicycles = 8 x width 70 cm = wall area of width 560 cm x height 190 cm

10 bicycles = 10 x width 70 cm = wall area of width 700 cm x height 190 cm

These dimensions are intended as a guide. They are based on standard bicycles with a handlebar width of 65 cm and a bike length of 180 cm. The BicycleJack bike mount can also be used in a higher position without any problems; several BicycleJacks can be mounted closer together or further apart depending on the dimensions of your bikes.

The room depth should be at least 240 cm when parking or removing the bicycle at a 90° angle to the wall; bicycles can also be parked or removed at any other angle to the wall without any problems – the required room depth can vary greatly in this case – down to 65 cm room depth (handlebar width) is theoretically possible.

If you would like to know how far the bicycle protrudes into the room when it has not been swivelled against the wall using the **BicycleJack**, please calculate as follows:

BicycleJack Basic: Bicycle height (from tyre contact point to top-most attachment point) + 0 cm.

BicycleJack Twist up to 61 mm tyre width: bike height (tyre contact point to top attachment) + 5.6 cm

BicycleJack Twist up to 130 mm tyre width: bike height (from tyre contact point to top attachment) + 11.6 cm