

Safety instructions

Attention: Please read the following safety instructions carefully before using the Bicyclejack for the first time and make these instructions available to any further operator accordingly!

- ! Do not hold your head or other parts of your body above the lever arm which swings upwards!
- ! The Bicyclejack is designed exclusively for bicycles with the corresponding weight indicated on the Bicyclejack. It may only be handled by instructed persons - do not let children play with it!
- ! Make sure that the handlebar ends or other protruding bicycle parts cannot get caught in your clothing during the lifting process!

Operating instructions

Parking a bicycle:

The bicycle can be parked at any angle (variant "Bicyclejack Basic": only at right angles to the mounting surface).

The lever arm must be in the lowered position (for initial operation: see assembly instructions step 6). Important: it must be ensured that the lever arm is secured against unintentional raising by the existing lifting safety device!

The front wheel of the bicycle is lifted and hooked into the pick-up hook. Make sure that there is no bicycle valve at this position. With the left hand, gently lift the lever arm, releasing the lock by pulling the black ball knob towards the operator (variant "Bicyclejack Basic": only pull out the locking knob and twist it so that the locking of the lever arm is released). Balance the bicycle with the right hand. Then, with the left hand, lift the lever arm together with the front wheel approx. 5 cm (keeping the body out of the lifting direction). The Bicyclejack will now automatically continue the lifting process and lift the bicycle into the vertical position. The bicycle is guided until the end position is reached. Both bicycles should finally be stored in the wheel recesses (optional). The bicycle can be secured against theft with a bicycle lock at the steel eyelet in the lower area of the Bicyclejack (variant "Bicyclejack Basic": oval opening in the central frame).

The bicycle and the Bicyclejack can then be swivelled sideways in both directions (not with the "Bicyclejack Basic" version).

Parking out a bicycle:

The bicycle can be parked out at any angle (variant "Bicyclejack Basic": only at right angles to the mounting surface).

The bicycle lock is first removed.

The operator positions himself at some distance (approx. 0.5m) behind the hanging bicycle. Reach under the bicycle saddle with the right hand. Then the bicycle is pulled backwards into the free space with the appropriate momentum and feeling, and the second hand is used to guide the bicycle by the handlebars during the process. This requires a certain amount of practice, but should work without problems after 5-10 attempts. When the lever arm is in the lowest position, the lock engages (variant "Bicyclejack Basic": engage manually by turning the locking button in the lever arm!) This should always be checked! The bicycle can now be safely removed from the hook.

Installation Instructions

Mounting the Bicyclejacks on a wall (replacing the gas cylinder on the last page):

Tip: One Bicyclejack can be mounted in a higher position without problems (a higher mounting favours the power lever travel, the bicycle can thus be parked out even more easily), several Bicyclejack can also be mounted closer or further apart. The following mounting instructions reflect recommended dimensions.

These are based on standard bicycles with a handlebar width of 65 cm and an overall length of 180 cm. If your bicycles differ from this (larger), you may need to adjust the following specifications.

The asymmetrical design of the **Bicyclejack** results in the following distance dimensions to lateral objects:

Top mounting hole of the **Bicyclejack** to obstacle on the left (wall, cupboard etc.): **≥ 28 cm**

Top mounting hole of the **Bicyclejack** to obstacle on the right (wall, cabinet etc.): **≥ 45 cm**

Top mounting hole of **Bicyclejack Basic** to obstacle left & right (wall, cabinet etc.): **≥ 35 cm**

Distance dimensions from bicycle lift to bicycle lift see below

Step 1:

Measured from the floor, mark the first fixing point for the top screw hole of the Bicyclejack wall spacer at a minimum of 130 cm (preferably at 150 cm). Distance top screw hole to ceiling for Bicyclejack variant for tyre width up to 61 mm: **≥ 60 cm** / for Bicyclejack variant for tyre width -130 mm: **≥ 63 cm**.

Preferably mount the Bicyclejacks at an identical height with a recommended minimum distance of 70 cm

Attention: If several Bicyclejacks are to fit in a confined space, the Bicyclejack should be mounted alternately at a height offset of 20 cm, whereby the minimum dimensions from the floor to the top screw hole are 130 cm / 150 cm (distance top screw hole to ceiling for Bicyclejack variant for tyre width up to 61 mm: **≥ 60 cm** / for Bicyclejack variant for tyre width -130 mm: **≥ 63 cm**). The side distance from Bicyclejack to Bicyclejack should not be less than 35 cm.



Step 2:

Drill a hole depending on the surface and the choice of screws. A Bicyclejack is fastened with a total of 6 screws \varnothing 8 mm.

If you have chosen a Bicyclejack fastening set, you will need a 10 mm masonry drill for setting the dowels.



Step 3:

Align the Bicyclejack frame: the lettering is on the left.

Now fix the Bicyclejack to the corresponding wall with a screw in the uppermost fixing hole (do not tighten yet).



Step 4:

After the Bicyclejack was aligned perpendicular with a spirit level, the positions of the other 5 fixing points are marked.



Step 5:

Make the remaining hole depending on the background and bolts choice now.



Step 6:

The Bicyclejack is now fixed with another 5 screws \varnothing 8 mm. Then tighten all 6 screws. Finally, pull the lever arm down by hand until it engages in the groove of the side plate (variant "Bicyclejack Basic": engage manually by turning the locking knob in the lever arm). **Depending on the force level selected, a greater or lesser force of the gas pressure spring must be overcome here.** This work is now largely taken over by the weight of your bicycle.

The transport edge protector on the lower wheel recess (not the "Bicyclejack Basic" version) can be removed (however, based on many customer photos, we suspect that people often do not read this far 😊).



Finish the Bicyclejack is immediately ready for action:



Replacing the gas pressure cylinder:

Basically: A necessary exchange of the gas pressure spring due to a change of bicycle (bicycle is heavier or lighter than the weight range of the already mounted **Bicyclejack**) is possible without great effort. It does not matter which gas pressure spring is to be used, all gas pressure springs offered by us are compatible with all **Bicyclejacks**. The gas spring must always be mounted with the piston rod pointing downwards. This protects the internal seals from premature embrittlement.

To remove the gas strut, the lever arm must be in the upper position. First secure the lever arm against falling down. Then loosen the locking ring on the bolt of the lever arm/gas cylinder attachment. The gas pressure spring is supported and the bolt can be removed. Now lift the lever arm a little upwards, the eye of the gas strut slips out of the holder. The gas strut is now exposed on one side. Loosen the nut for fastening the gas pressure cylinder / "**Bicyclejack** central frame" and then remove the screw, the old cylinder is now free and the new cylinder can be inserted - the assembly procedure is the opposite of the previous description.

Details and disposal instructions for the gas spring:

CONDITIONS OF USE

Working temperature range from -30 to +80 ° C

Permissible number of strokes (full strokes) 6 per minute; at higher frequency, please consult us.

Endurance behavior after 30,000 strokes: Pressure loss up to 15%. The endurance behavior varies depending on stroke length and extension force.

Nominal temperature: 20 ° C.

Example of force $F_1 = 500 \text{ N}$ at 20 ° C:

+ 35 ° C + 5% = 525 N

- 16 ° C - 12% = 440 N

DISPOSAL INSTRUCTIONS

Gas springs are filled with a pressure between 20 and 250 bar and must therefore be depressurized before scrapping.

For security reasons, must be taken as follows:

- The pressure pipe easily clamp in a vice.

- The pressure tube perpendicular to the axis in a range between 30 and 35 mm Saw open by the pressure tube sheet.

Individual steps:

1- WEAR SAFETY GLASSES.

2- Use a suitable for metal handsaw.

3- Put a protective cloth over the blade.

Complete the sawing as soon as you hearest hissing noises.

The degassing is completed when the piston rod by hand can be moved freely.

7. ENVIRONMENTAL PROTECTION

The filling fluid used (nitrogen) is neutral and part of Earth's atmosphere. Therefore its release does not constitute chemical hazard.