



ADDITIVE SPEEDLIFT LITE

Status July 2024



The gas pressurised
assembly stand for bicycles and e-bikes

Instruction manual

Dear customer,

Thank you for purchasing our Additive Speedlift LITE. This is a transportable solution of our proven Additive Speedlift EVO, which is usually operated in specialised workshops. With our assembly stand, it is possible to work economically and ergonomically with minimal installation effort. We hope you enjoy using it.

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CONTACT FOR QUESTIONS AND REQUESTS

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SAFETY INSTRUCTIONS



The operating instructions must be read and understood in full by the operator before using the machine.

Observe the safety instructions and recommendations in the operating instructions. This will enable you to control the device safely and optimise its performance.



The Additive Speedlift LITE is designed exclusively for lifting bicycles. Do not lift any load other than bicycles and do not allow people to climb onto the Additive Speedlift.

The maximum load is 40kg; this is also shown again on a type plate (max. 40kg).

Exceeding this maximum load is prohibited as it can lead to damage and breakage.

Wheels weighing more than 35kg can cause physical overload for the operator - this is therefore not recommended for one-man operation. Additional loads that cause the stand to tip over are not permitted. If an unstable condition (tipping) is indicated by special frame shapes or wheels with excess dimensions, this must be avoided.

A locking bolt in the operating unit must be unlocked for commissioning ("lock open" symbol). To prevent unintentional actuation and incorrect operation, this should be re-engaged if it is not used for a longer period of time ("lock closed" symbol).

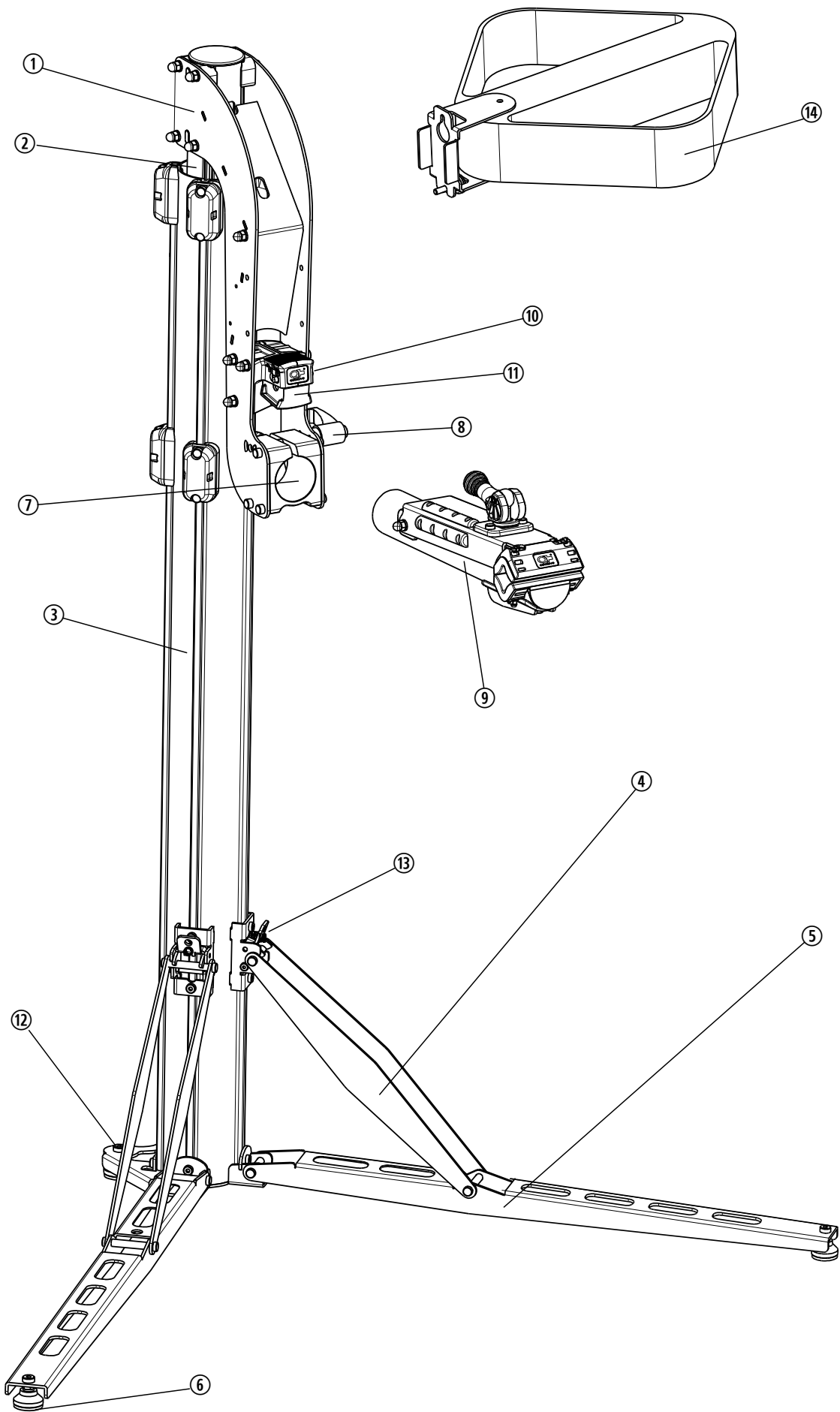


When the release button is pressed, the holding arm moves vertically upwards with the entire head section at a relatively high speed (approx. 0.3m/sec = 1.2km/h). Do not hold body parts - especially the head and face - over the moving parts.

Additive Sportartikel GmbH accepts no liability for damage caused by improper use of the products. Failure to observe the operating instructions, in particular the safety instructions, technical modifications not agreed with the manufacturer and the use of non-original spare parts will automatically invalidate the warranty. The manufacturer accepts no liability for any resulting damage.

LEGAL NOTICE

The operating instructions may not be reproduced, distributed, modified, transmitted, translated into another language or used in any other way, either in whole or in part, either electronically or mechanically, without the express written authorisation of Additive Sportartikel GmbH.



PRODUCT DESCRIPTION

a. An overview of your Additive Speedlift LITE

- | | |
|--------------------|--|
| ① Head section | ⑧ Clamping lever (claw holder) |
| ② Inner guide tube | ⑨ Holding arm/ holding claw with protective jaws |
| ③ Outer guide tube | ⑩ Actuation unit/ locking pin |
| ⑤ Diagonal brace | ⑪ Release button |
| ⑤ Folding foot | ⑫ Base plate with rubber feet |
| ⑥ Device foot | ⑬ Locking hinged feet/ diagonal brace |
| ⑦ Claw holder | ⑭ Tool tray (optional) incl. cord handles |

b. Scope of application

The Additive Speedlift LITE is an assembly stand for bicycles and e-bikes for specialist workshops and their trained staff as well as for experienced private mechanics. With the help of our Additive holding claw or standard holding arms/holding claws, bicycles or e-bikes can be clamped and raised to the desired assembly height with little effort; a lifting height of 800 mm is possible.

The base plate with the two folding feet is designed for installation on industrial floors or rubber mats. For scratch-sensitive floors, use a suitable underlay if necessary.

c. Scope of delivery

The Additive Speedlift LITE is delivered fully assembled in a parcel and can therefore be sent using conventional postal services. The total weight is approximately 18kg.

Content:

- Additive Speedlift LITE mounting stand
- Additive holding claw
- Instruction manual

d. Optional accessories

Tool tray (not included in the price; additional package)



Tip: There are threads in the outer guide tube for attaching a bottle holder. An old drinking bottle - cut in half in the centre - can also be used as a "tool tray".

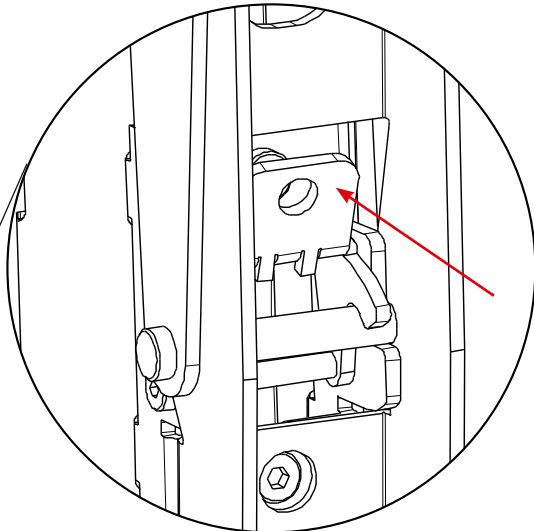
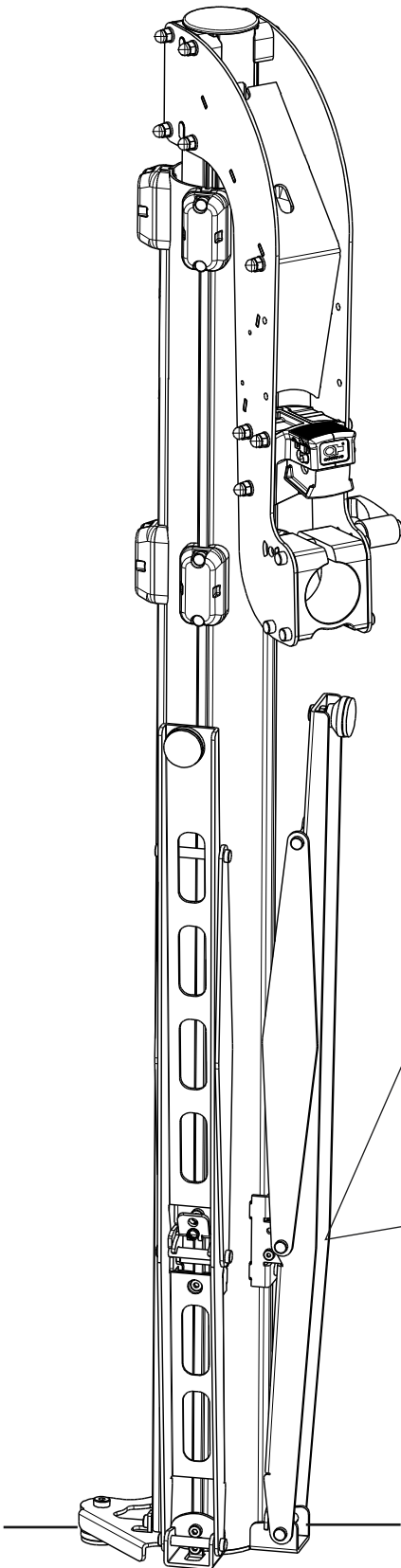
ADDITIVE SPEEDLIFT LITE - THE FIRST STEPS



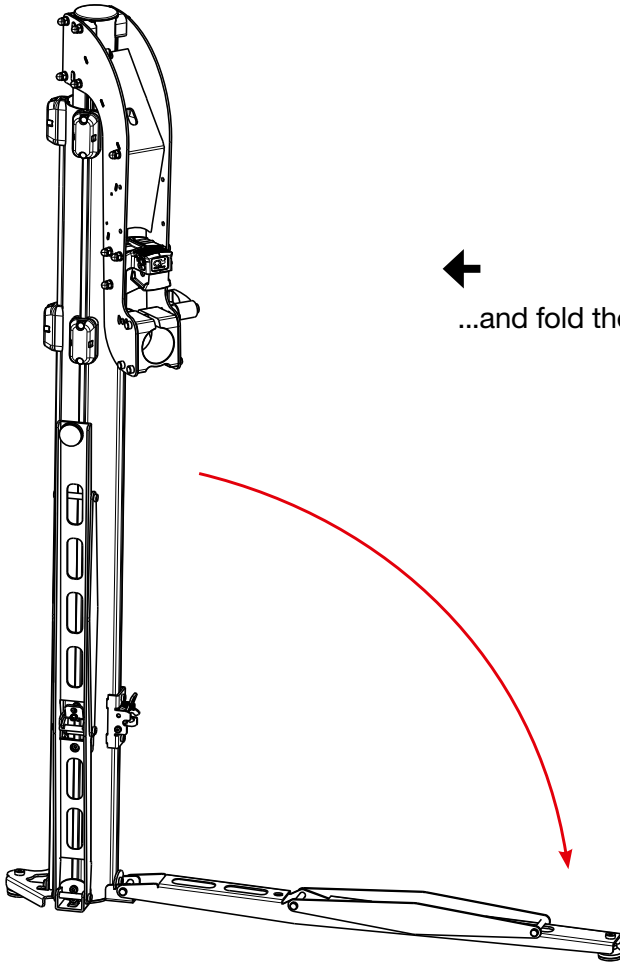
Remove the stand from the packaging and on a solid/robust surface.



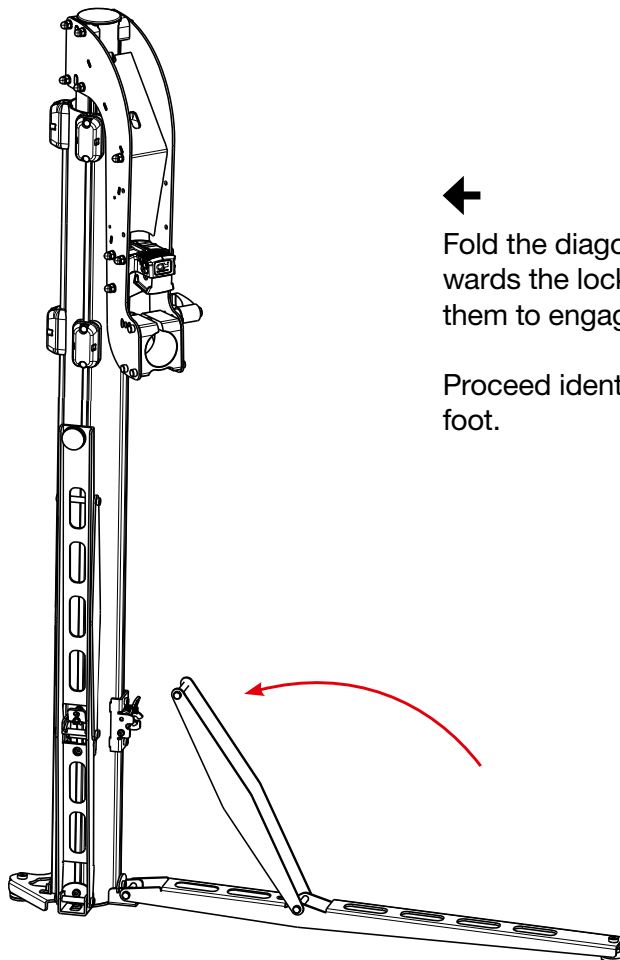
Piston rod extends a maximum of 0.8 m; (total height of the stand then approx. 2.1 m). Select the installation location so that the assembly stand can unfold completely.



To unlock the folding feet, press the button on the button in the direction of the arrow...

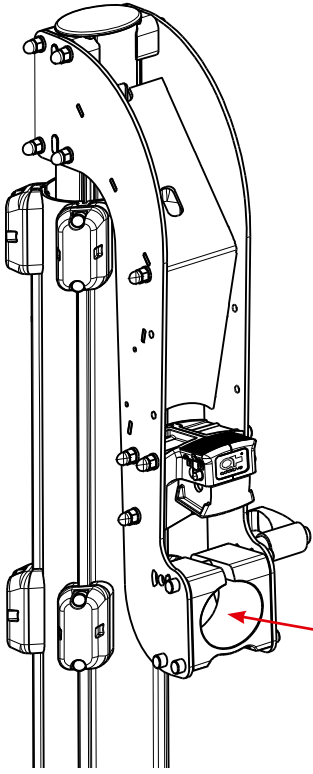


...and fold the folding foot onto the floor.

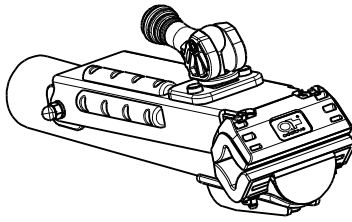


Fold the diagonal braces upwards towards the locking mechanism and allow them to engage with an audible click.

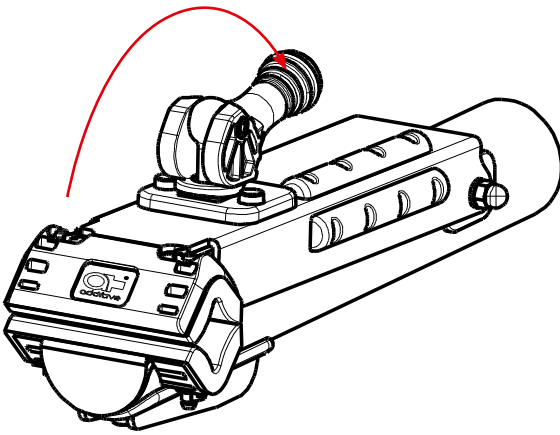
Proceed identically for the second folding foot.



Slightly turn and push the retaining claw into the and pushing into the claw holder. The claw holder must be greased to prevent the holder from prevent the mount from "seizing".



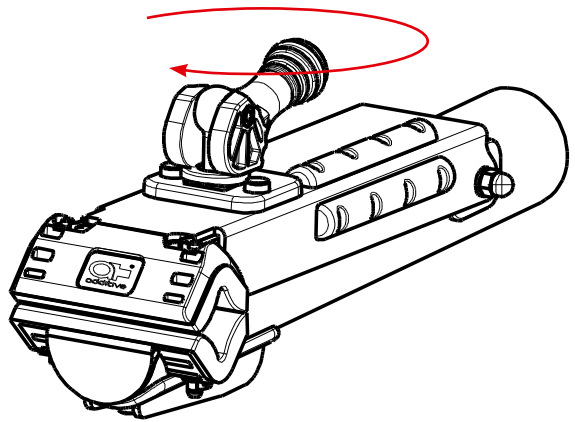
Functionality Additive holding claw with quick adjustment:



The illustration shows the position for clamping the seat post by turning the clamping lever. Turning the clamping lever in the direction of the arrow causes a rough presetting of the clamping range.



The seat post is firmly tensioned by turning the tensioning lever. Only then is the bike fixed and can be lifted.



Do not operate the clamping lever when the bike is raised; the bike could fall out of the holding claw.

START-UP/ OPERATION:

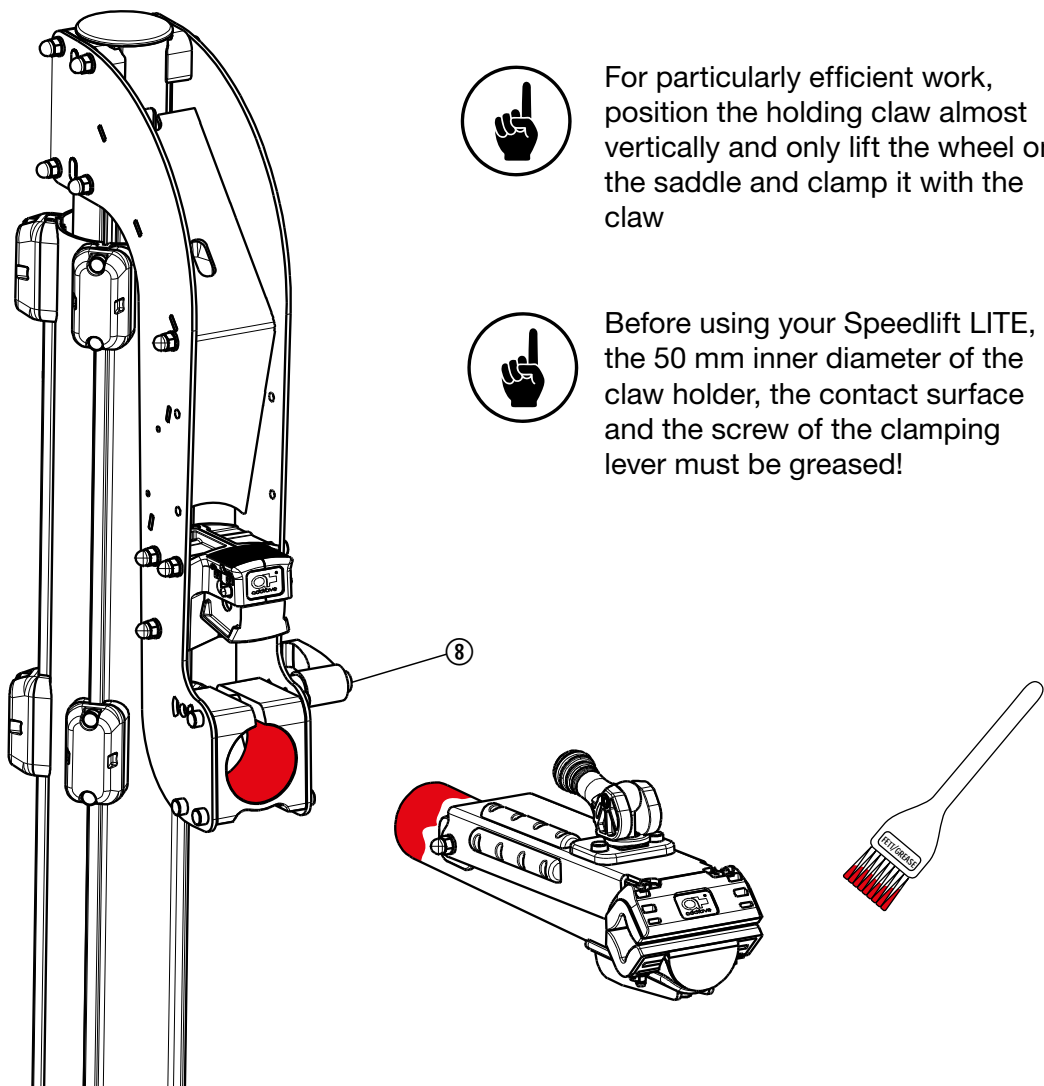
It is operated in a standing position, facing the Additive Speedlift LITE assembly stand. The force of the gas pressure damper is released with one hand by pressing the operating unit.

Depending on whether a low or high load is to be lifted, additional force must be applied to lift or lower the load.

This is achieved by gripping the frame or the claw with the second hand; force can also be applied for lifting or lowering via the actuating unit.

To activate the unit, unlock the locking pin in the operating unit. If the head section of the upright has moved upwards without a load, the unit must be brought into the start position with the holding claw by pressing the operating unit and pulling downwards firmly. To familiarise yourself with the working speed of the unit moving upwards linearly, move upwards again without a load. Then return to the start position by pulling downwards firmly.

For the normal case - up/down with wheel - open the clamping lever i and adjust the position of the clamping jaws to the position of the seat post. Now open the clamping jaws of the retaining claw and clamp the bike to the seat post. Press the release button and, depending on the weight of the bike, move upwards to the desired position with more or less support.



Instructions for working with holding claws:



The clamping force of retaining claws is high. Ideally, the bike should be clamped to the seat post; this also applies to dropper posts. The area on the seat tube (where the seat post retracts) is also very robust.

Clamping on the top tube or down tube is not recommended, especially for carbon frames, as this can cause damage.

In general, no compensation can be claimed from Additive for damage caused by the retaining claw.



When loosening bottom brackets or other work involving high forces, we recommend lowering the bike to the ground and using so-called impact wrenches. This allows the components to be loosened with minimal load on the frame and other components.

After removing the wheel, secure the release buttons with the locking pin a to prevent accidental actuation.



Safety note! Holding claws usually do not have an axial lock! This means that when the clamping lever is released (to swivel the wheel), the retaining claw is released and may also slip out forwards. During each clamping process, ensure that the claw is inserted into the claw holder as far as it will go and only then lock it again with the clamping lever.

MAINTENANCE



Generally do not use any lubricants on the piston rod. This is maintenance-free! This could result in damage to seals and plastic rollers.

Carry out the following steps to check that the device is in perfect condition:

a. Monthly maintenance

- Check the rubber sleeve / protective jaws of the retaining claw for damage (to prevent damage to the bike).
- Grease claw holder and clamping lever/thread.

b. Annual maintenance

- Check all screws for tightness and tighten if necessary.

GENERAL INFORMATION

- Ensure that all operators are familiar with the intended use and have understood the operating instructions.
- If unsafe conditions occur during work, stop work and find the cause. If you need help, please contact your service partner or Additive directly.
- When replacing components, always clarify the corresponding work steps with the service partner or the Additive company or follow the corresponding written instructions.

OWN NOTES

TYPE PLATE DECLARATION

ADDITIVE **SPEEDLIFT** **LITE**

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max. Belastung 40 Kg



max.
load
40 kg

Conformity
with relevant
standards

Read the
operating
instructions

dispose of
via recycling
centre

Link to the
service website

IMPORTANT INFORMATION ABOUT OUR GAS PRESSURE SPRINGS

1. Gas springs have a very high internal pressure (up to approx. 300 bar). They must under no circumstances be opened without instructions!
2. Our gas springs are maintenance-free! Do not grease or oil the piston rod, etc.
3. Our gas springs are designed and tested for the highest requirements and maximum reliability.
4. All gas springs are labelled at the factory with the warning "Do not open, high pressure", the part number and the date of manufacture. If this data becomes illegible (removal of the label, overpainting or other external influences), the warranty for any resulting damage becomes void.
resulting damage. Warranty services are no longer possible.
5. Damping properties can generate vibrations that find a resonating body in the application and cause noise.
6. Our gas springs can be used at ambient temperatures from -30°C to +80°C. The ambient temperature has an influence on the gas spring characteristics. Do not overheat gas springs or place them in an open fire! Other ambient conditions can also have a significant influence on the service life.
7. If gas springs are visibly damaged due to external influences (accident, collision, extreme overload...) (broken or deformed connecting parts, bent piston rod, dented cylinder...), the pressure must be released before dismantling or other handling. Please ask for our disposal instructions.
8. Only our gas springs have an integrated grease chamber, which also allows installation in any position.
9. The piston rod is optimally protected in our assembly stand. In general, however, it must be protected from impact, scratches and dirt - especially paint - as well as from aggressive and corrosive media.
The cylinder barrel must not be deformed. Damage to the surface will destroy the sealing system.
10. Our gas springs can be stored in any position. Pressure loss due to long storage periods is not to be expected. No negative empirical values are available. However, sticking effects may occur, which require more force after a longer period of inactivity (breakaway force).
11. Disposal/recycling:
Gas springs are mainly made of metal and can be recycled, but the gas springs must first be depressurised.
Please ask for our disposal instructions.

EG DECLARATION OF CONFORMITY

The manufacturer Additive Sportartikel GmbH hereby declares that the machine described below complies with the relevant safety and health requirements of the relevant EU directives due to its design and the version placed on the market by us.

In the event of any modification to the machine not agreed with us this declaration loses its validity.

Product designation:

Additive Speedlift LITE

Model year:

2024

Relevant EU directives:

2006/42/EC

Applied harmonised standards:

EN ISO 12100:2011-03

DIN EN 1494:2009-05

**Authorised representative for the compilation
of the technical documentation:**

Christian Hefter,
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Prien am Chiemsee, 2nd April 2024



Christian Hefter
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MANUFACTURER'S DECLARATION

The manufacturer Additive Sportartikel GmbH hereby declares that the machine described below complies with the relevant safety and health requirements of the respective EU directives due to its design and the version placed on the market by us.

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The technical documentation was prepared in accordance with 2006/42/EC Annex VII/B.

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Prien am Chiemsee, 2nd April 2024



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ASSEMBLY STAND FOR BICYCLES & E-BIKES

Powerful and compact

The Additive Speedlift LITE is a gas pressure-supported assembly stand with holding claw. At the push of a button a force of approx. 180 N is released and heavy heavy e-bikes are lifted into the bikes are brought into the desired desired position with little effort. Light bikes, on the other hand, even float upwards on their own - all that is needed to only a slight downwards is required.

Keyfacts:

- Very fast speed for efficient working
- no energy costs, no disturbing connections, no annoying foot pedals
- XL lifting height 800 mm infinitely variable → Clamping height approx. 1800 mm for ergonomic working.
- Powerful design; for wheels up to 30 kg; maximum load 40 kg;
- insensitive to dirt →Lowest maintenance requirements
- Largely pre-assembled; Installation in 3 min.
- Made in Prien am Chiemsee, Germany



ADDITIVE BIKES + PARTS

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