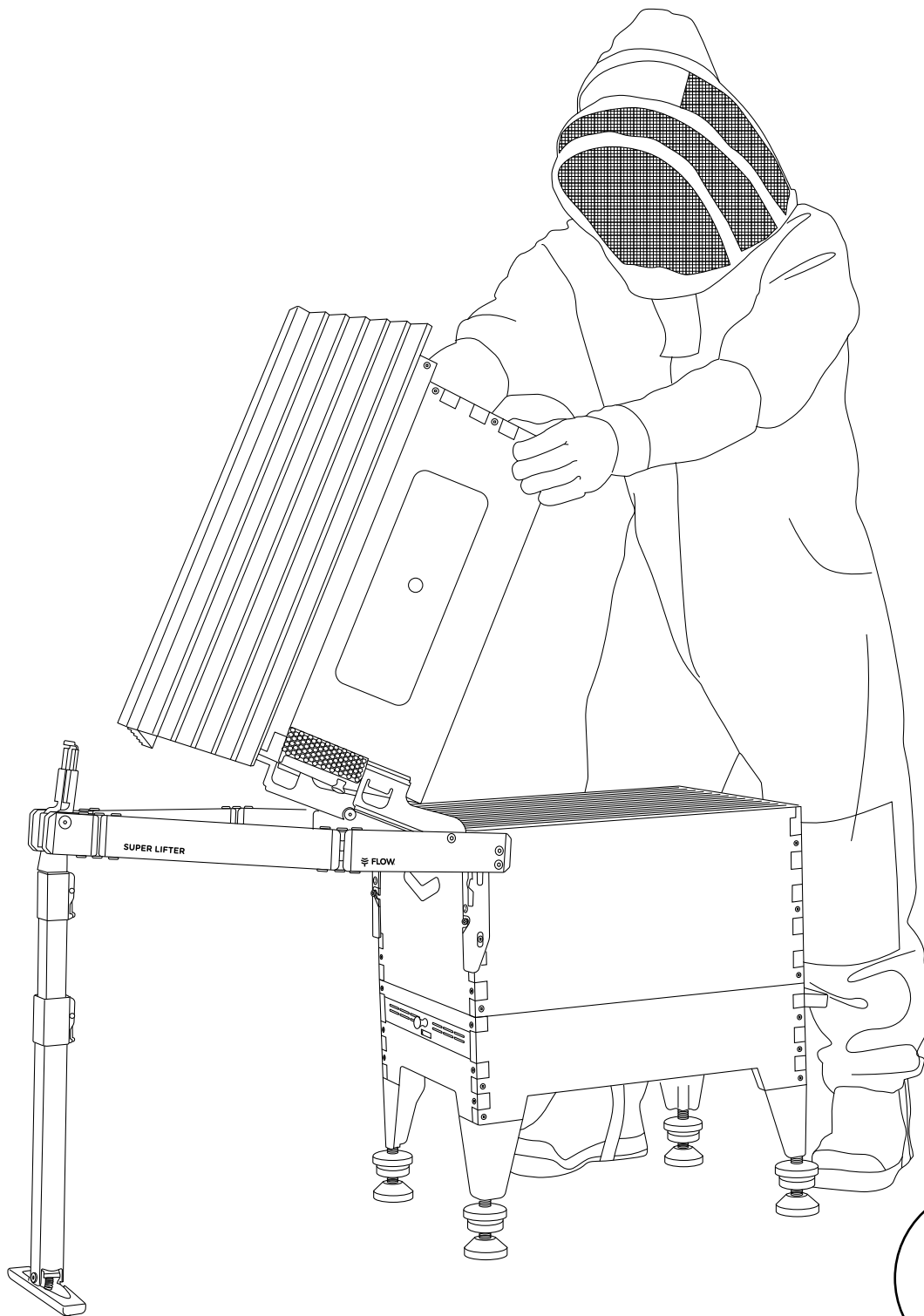




INSTRUCTION MANUAL

Super Lifter[®]



Brood inspections are one of the most fascinating parts of beekeeping and a crucial part of keeping your bees healthy. For many beekeepers, lifting a heavy honey super in order to access the brood box is something they'd prefer to avoid if possible.

With the Flow Super Lifter, brood inspections are easier than ever before. This innovative tool can be temporarily attached to a hive and allows you to tilt the super on a hinge, providing access to the brood box without any heavy lifting.

Thoughtfully designed for use with Flow Hives and Langstroth hives, the Flow Super Lifter can be used to lift one or two boxes at a time. Once you're ready to close the hive up, it minimises the chance of squashing bees as you easily align and replace the super.

The Flow Super Lifter has been tested and refined over many years to ensure its safety and reliability. Ergonomic handle extensions are available as an optional add-on to further reduce the force required.

IMPORTANT SAFETY INFORMATION - READ PRIOR TO USE

Before you use the Flow Super Lifter® please read the following carefully:

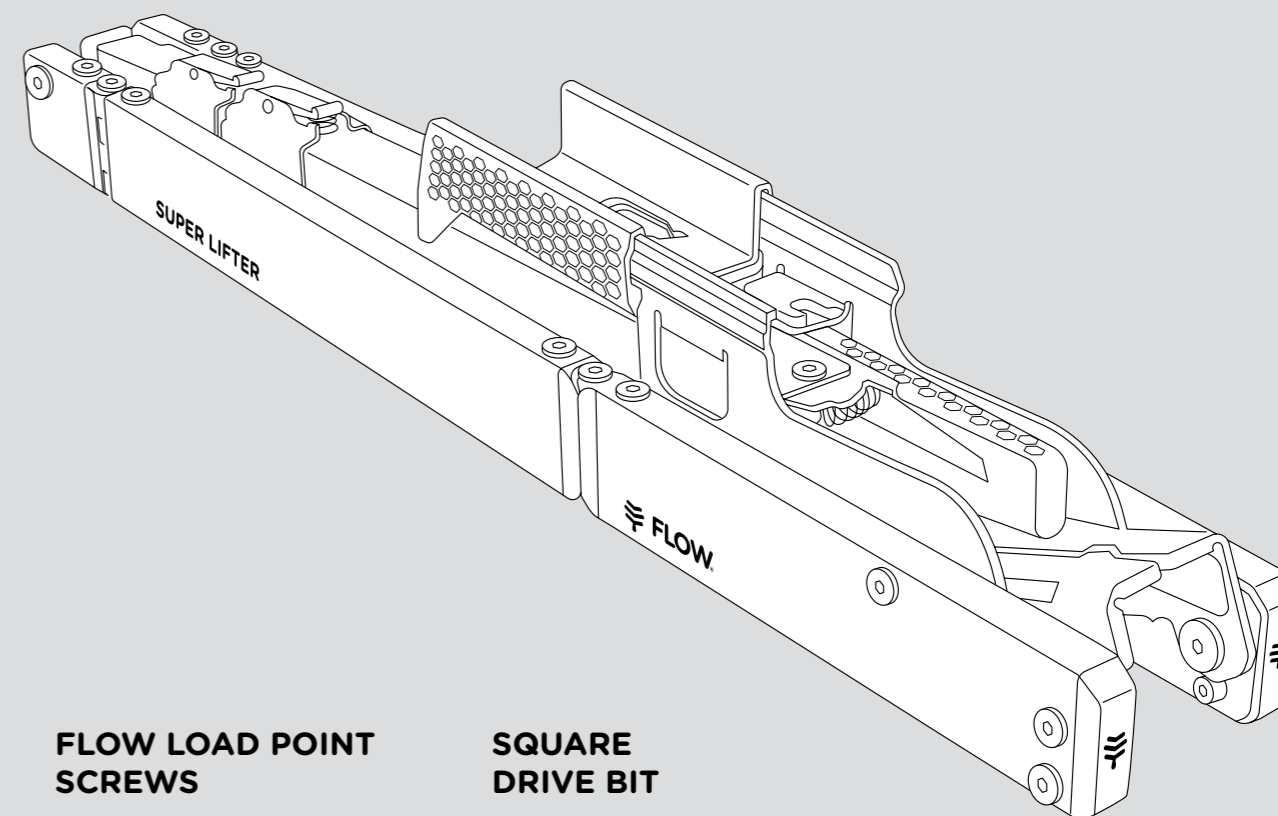
- **Use only on stable ground:** Ensure the hive is elevated at least 180mm off the ground to the bottom of the brood box, and that the ground around the hive is solid and level.
- **Wear protective gear:** Always wear protective beekeeping gear when operating the Super Lifter and working with bees.
- **Use a smoker:** Before opening the hive or moving the super, use a smoker to calm the bees.
- **Avoid pinch points:** To avoid injury, be mindful to keep fingers and clothing away from all moving parts and joints while operating the Super Lifter.
- **Check the bracket attachment points:** Ensure both the upper and lower brackets are securely engaged with the Load Point Screws before lifting the super.
- **Adult supervision:** Children must be supervised if using the Super Lifter.

The Flow Super Lifter® is only to be used by people who have read and understood all of the instructions and warnings in this manual.

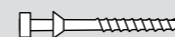
The Flow Super Lifter® has been carefully designed and rigorously tested for optimal ease of use and safety, however, there are inherent risks involved when working with bees and lifting heavy items. The Super Lifter must always be operated with careful consideration of potential risks relating to bees and manoeuvring heavy boxes.

WHAT'S IN THE BOX

FLOW SUPER LIFTER®



FLOW LOAD POINT SCREWS

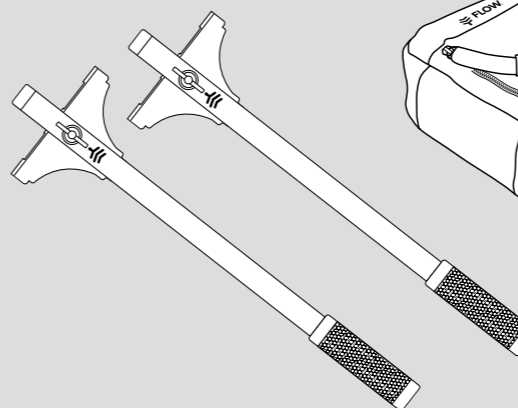


SQUARE DRIVE BIT

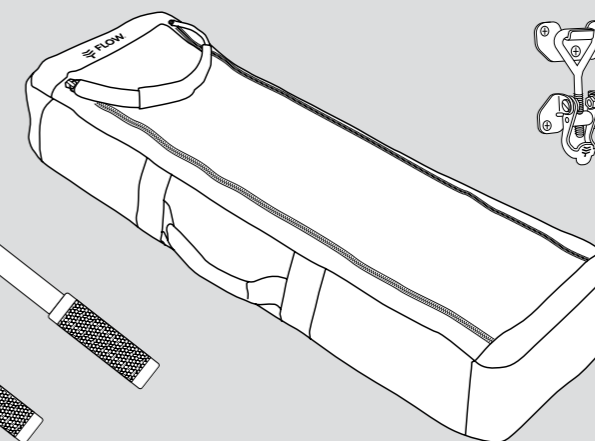


OPTIONAL EXTRAS

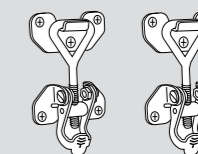
FLOW SUPER LIFTER HANDLES



FLOW SUPER LIFTER CARRY BAG

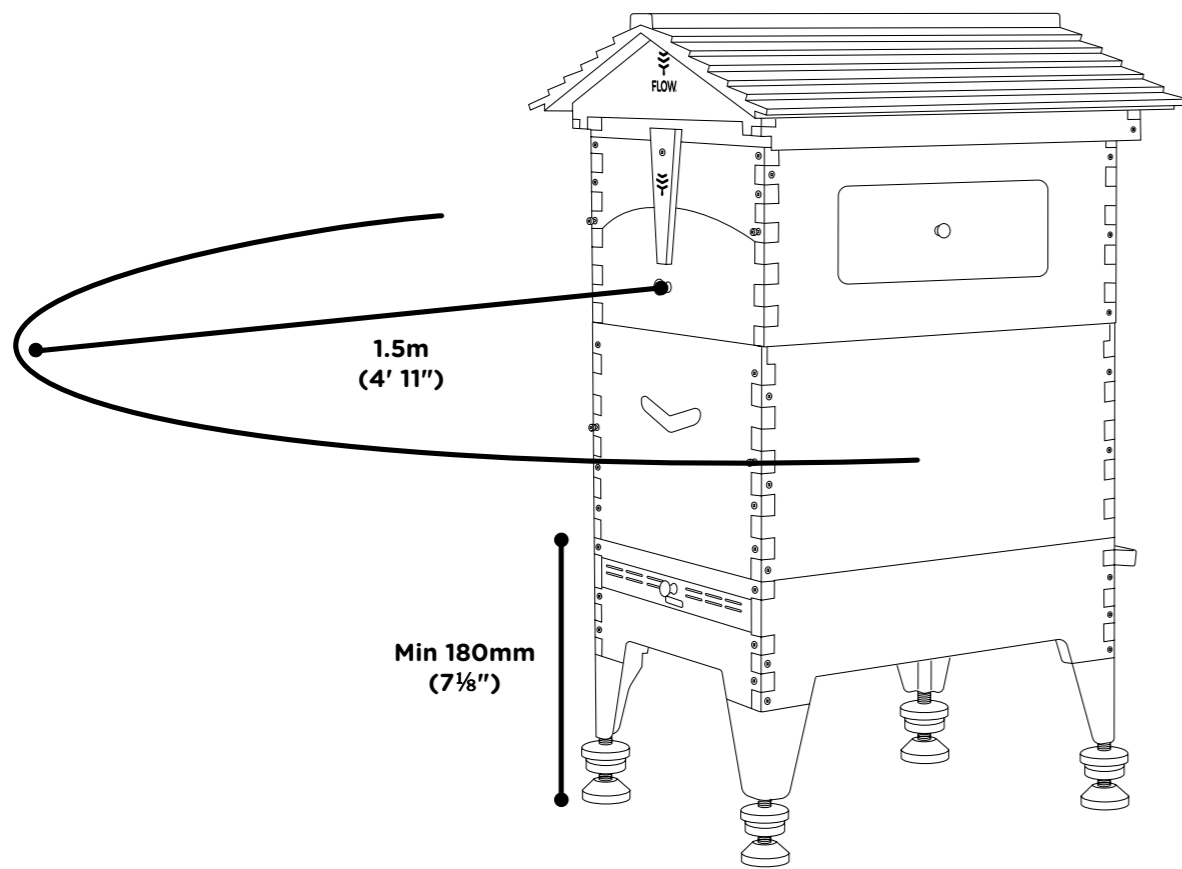


FLOW BRASS HIVE LATCHES



HIVE PREPARATION

- Ensure that your hive is firmly set on stable ground. The Super Lifter is designed for use when your hive is on a stand. If you do not have a hive stand, please make sure your lowest box is at least 180mm (7½") from the ground (see diagram).
- **The Super Lifter is designed to be able to work from either end of the hive.**
- On the end you are setting up your lifter you will need at least 1.5m (4' 11") of clear space around the hive.

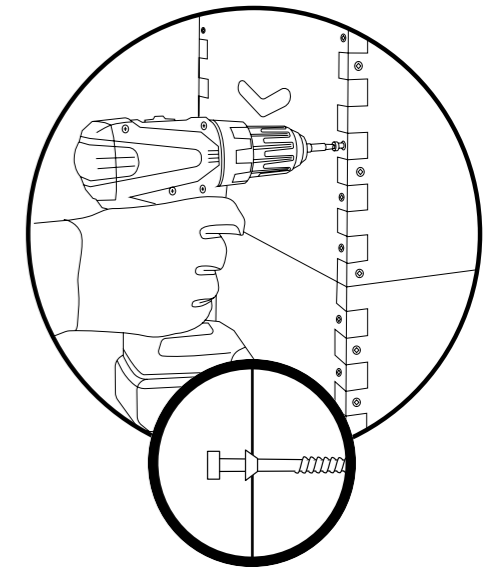


ATTACHING HARDWARE TO THE HIVE

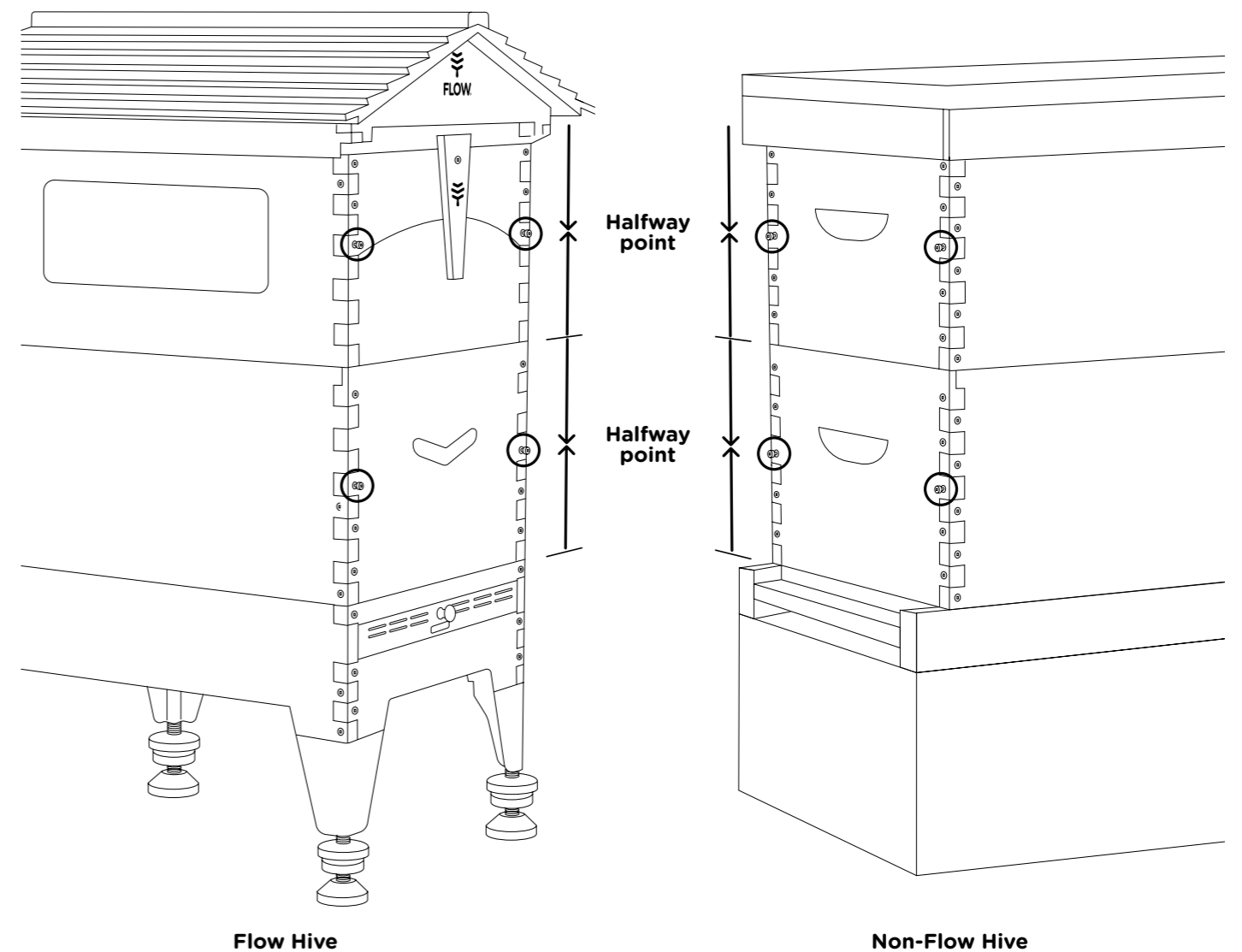
- Mount the Load Point Screws according to your hive configuration (see diagram).
- On Flow equipment, the existing screws on the end of the hive that you attach the Super Lifter to will need to be unscrewed and replaced with the Load Point Screws.
- On non-Flow equipment, holes may need to be drilled to locate the Load Point Screws in the correct position.
- With four Load Point Screws in place (1 in each side of each of the 2 boxes), you are ready to attach the Super Lifter.

- The Load Point Screws stay in place and do not have to be removed after use.
- NOTE** If you want to have the flexibility to open the hive at either end, or use the Flow Super Lifter Handles (see instructions on pg 11), you will need to add Load Point Screws to the other end of the super and brood box as well.

The diagram below shows the screw placement on deep boxes. For boxes of other sizes, see the video instructions.



Load Point Screws should be screwed in until the first screw collar meets the surface of the box.



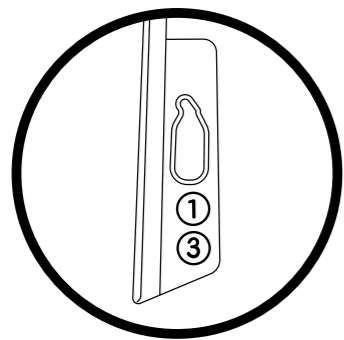
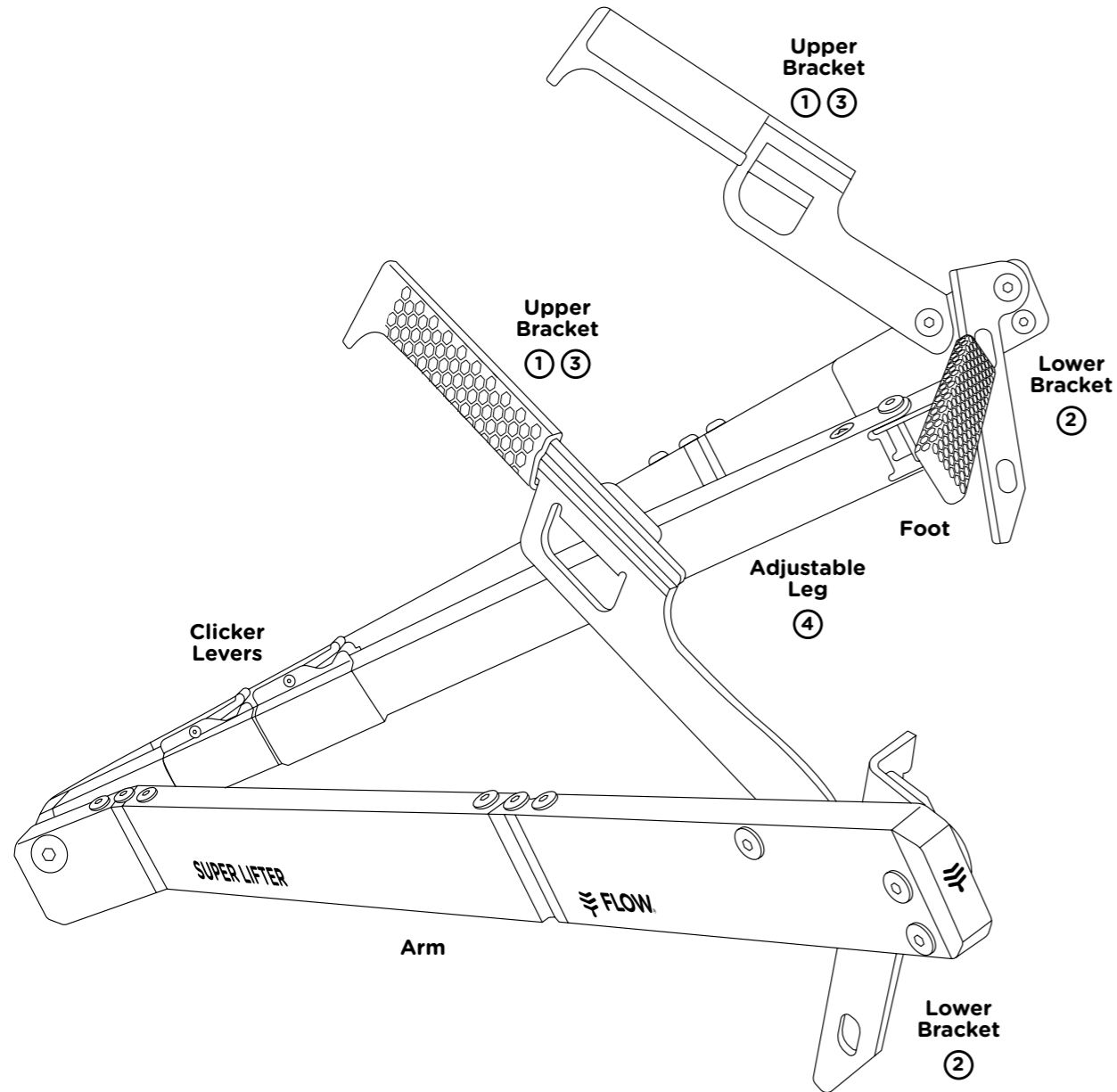
Go here for detailed video instructions:
go.honeyflow.com/super-lifter-guide



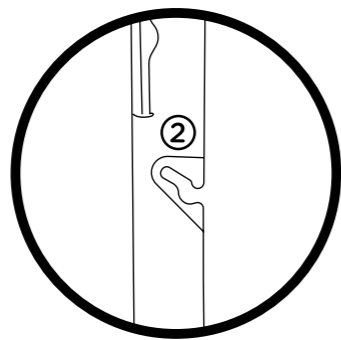
SUPER LIFTER MAIN COMPONENTS

Familiarise yourself with the tool

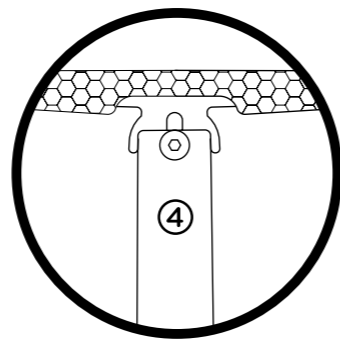
- The Super Lifter consists of two arms, an adjustable leg with a foot, and brackets. The brackets have slots which attach to the Load Point Screws on your hive.
- The major parts are numbered ① ② ③ ④ to help guide you through the steps.



Upper Bracket



Lower Bracket



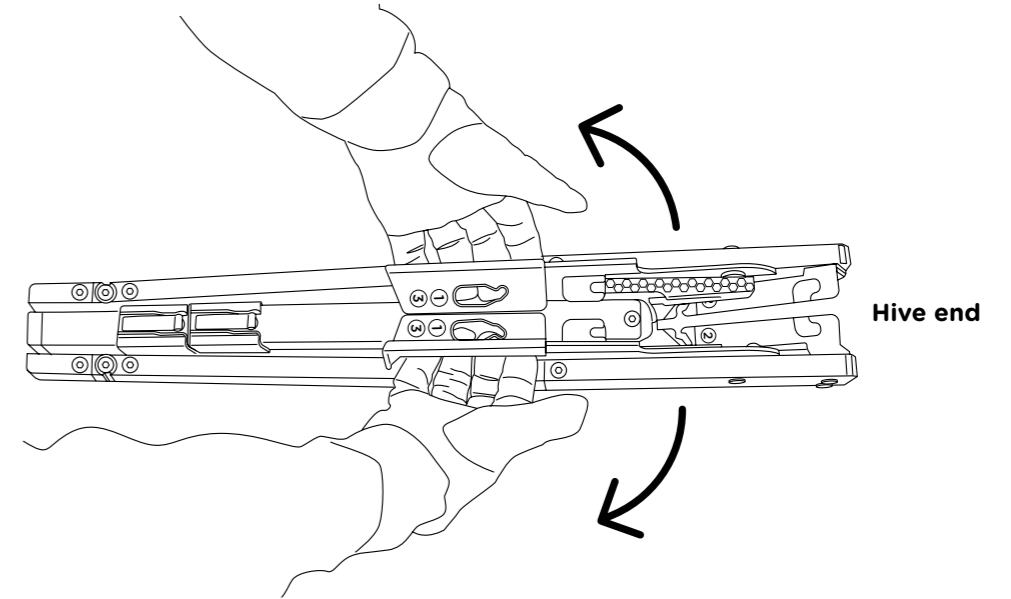
Adjustable Leg

OPERATING THE SUPER LIFTER

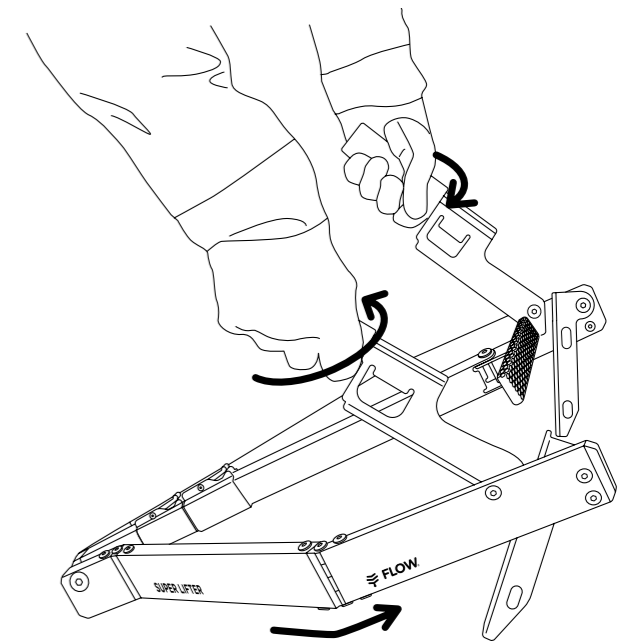
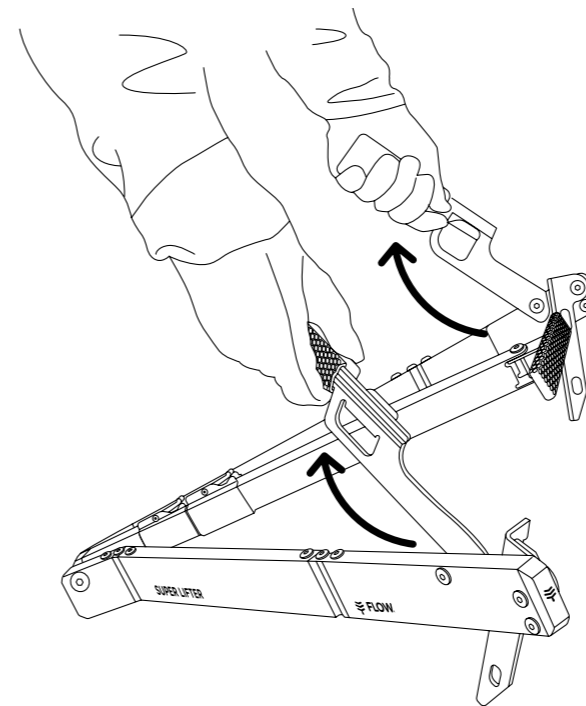
The following instructions are for lifting a single super. For lifting double boxes, see page 12.

STEP 1 Opening the Super Lifter

- Position the Super Lifter facing upwards with the "hive end" pointing away from you.
- Grasp the two upper bracket grips - each marked with a ①.

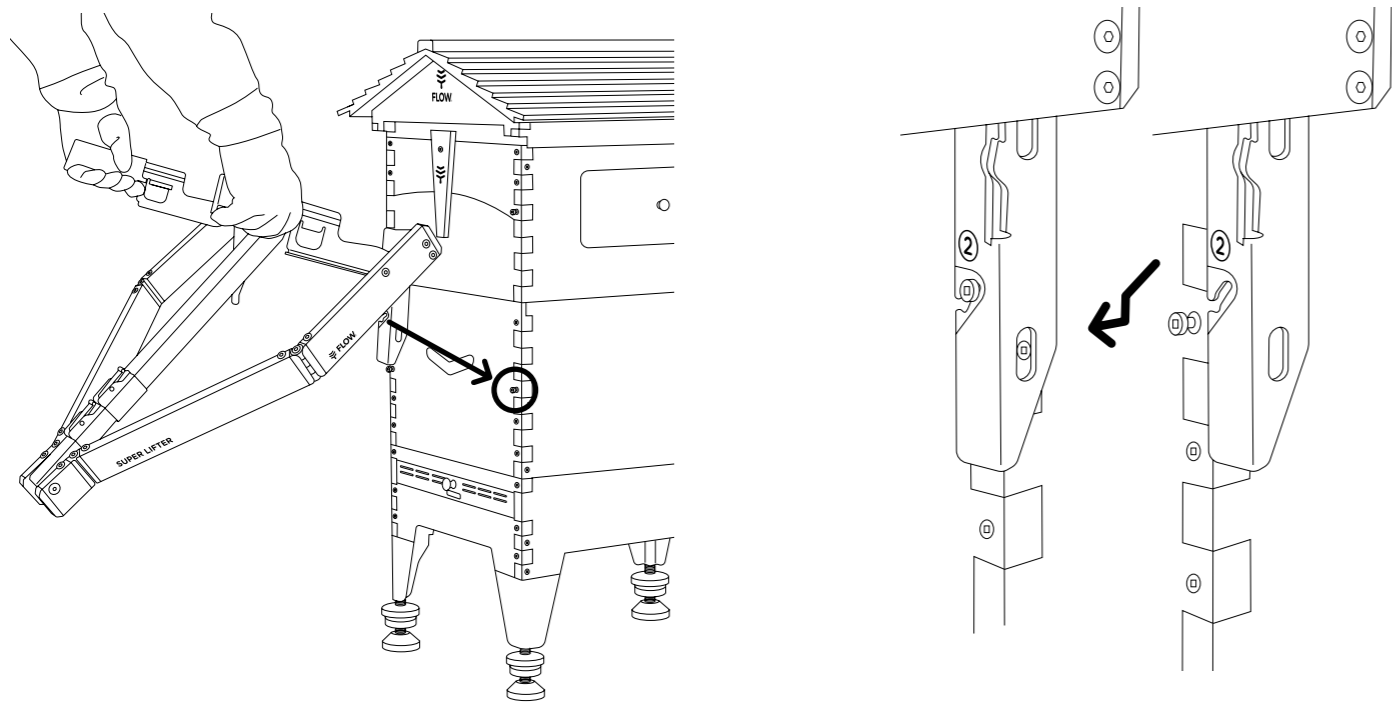


- Grasp the upper bracket grips and unfold the Super Lifter
- Lift the brackets upward and begin to unfold the Super Lifter arms. As you lift, roll your wrists slightly inward.



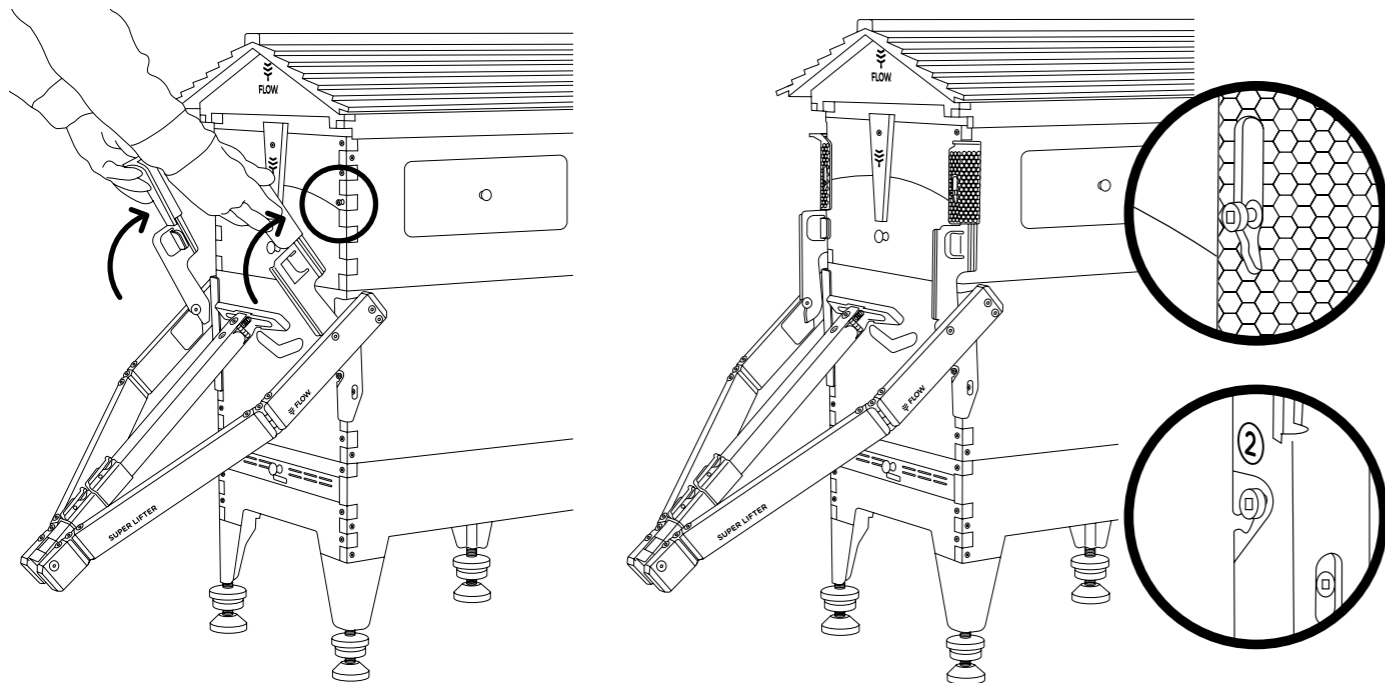
STEP 2 Connect the lower brackets

- Align the lower brackets - marked with a ② - with the Load Point Screws on the lower box of the hive.
- Slide the brackets onto the Load Point Screws, ensuring they are properly engaged.



STEP 3 Connect the upper brackets

- Raise the upper brackets - marked with a ③ - until they contact the super, ensuring the keyholes are over the Load Point Screws.
- Double-check that both the lower and upper brackets are securely attached to the Load Point Screws before proceeding.



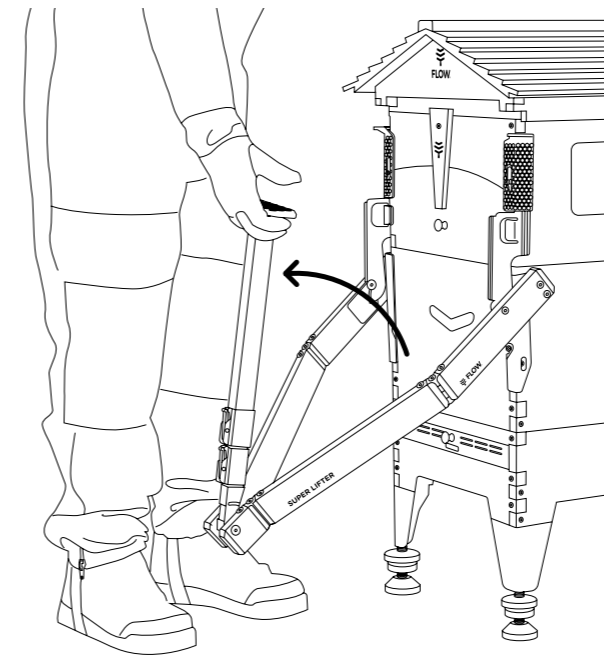
When the Super Lifter is correctly engaged on both sets of Load Point Screws it will support itself.

6

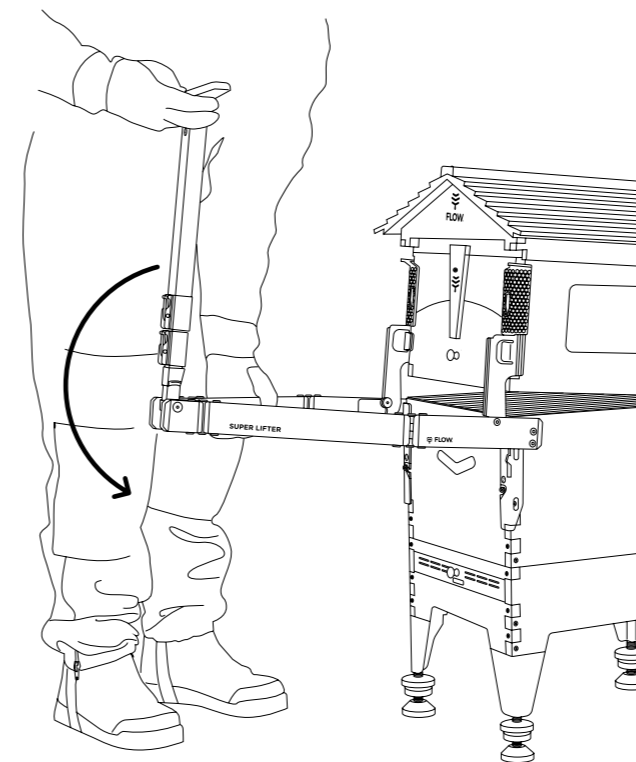
STEP 4 Set up the stand

NOTE this next step opens the hive. Ensure you use protective gear and a smoker when opening the hive.

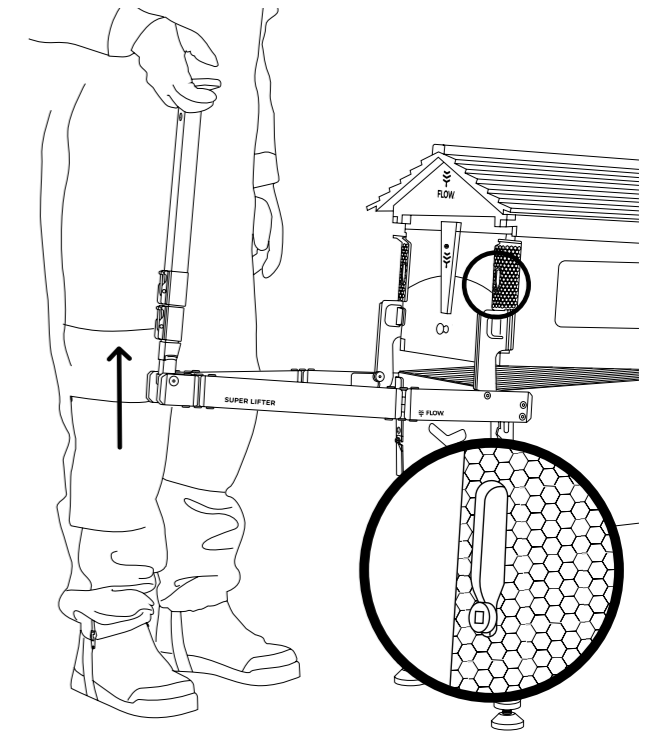
- Holding the foot - marked with a ④ - slowly raise the Super Lifter, making sure the upper brackets remain



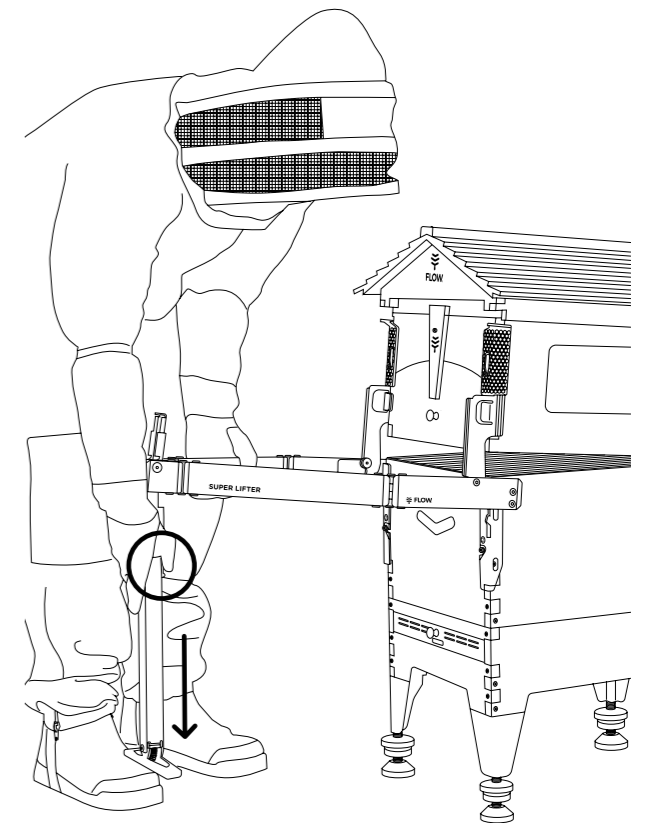
- While supporting the Super Lifter arms with one hand, rotate the leg away from the hive and toward the ground.
- Press the clicker levers to release the leg extensions until the foot reaches the ground and the Super Lifter arms are just above horizontal (see note page 9).



connected to the screws on the hive. The propolis seal between the super and lower brood box will crack, and the end of the hive closest to you will open.



- The leg should be roughly vertical - give it a nudge toward the hive until you feel the upper part of the leg 'lock' against the Super Lifter.
- TIP** Sometimes brood frames will lift with the upper box. If so, take a moment to use your hive tool to gently push them back down into the lower box.

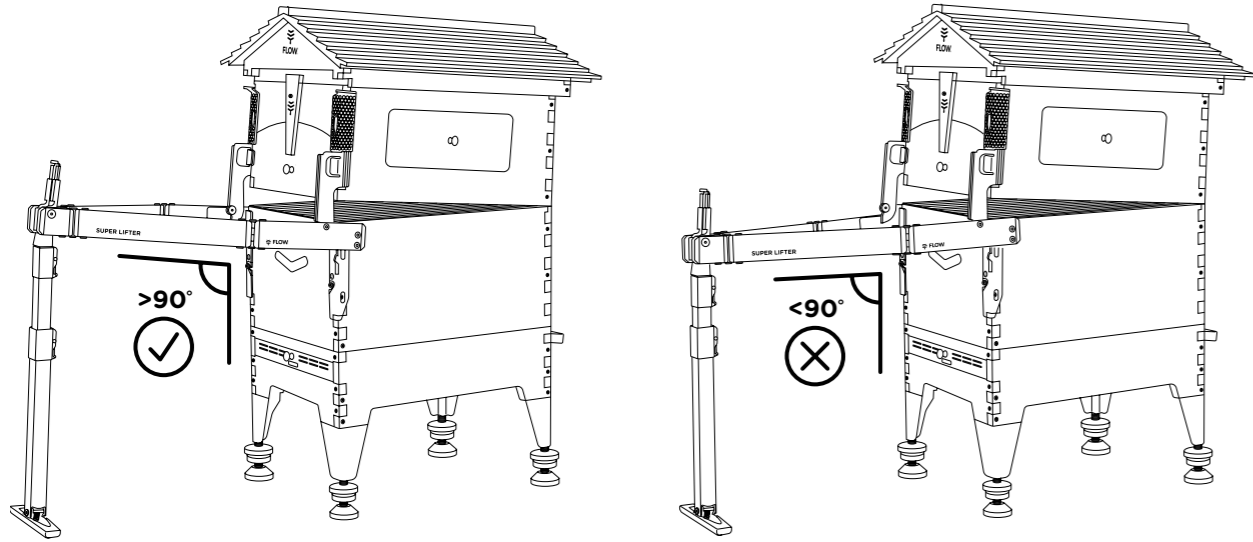


7

IMPORTANT

The point where the Super Lifter arms join should be slightly above the top of the lower box, so that the angle between the lower box and the Super Lifter is greater than 90 degrees.

If the point where the Super Lifter arms meet is lower than the top of the lower box, your hive could be at risk of tipping when you tilt the super.



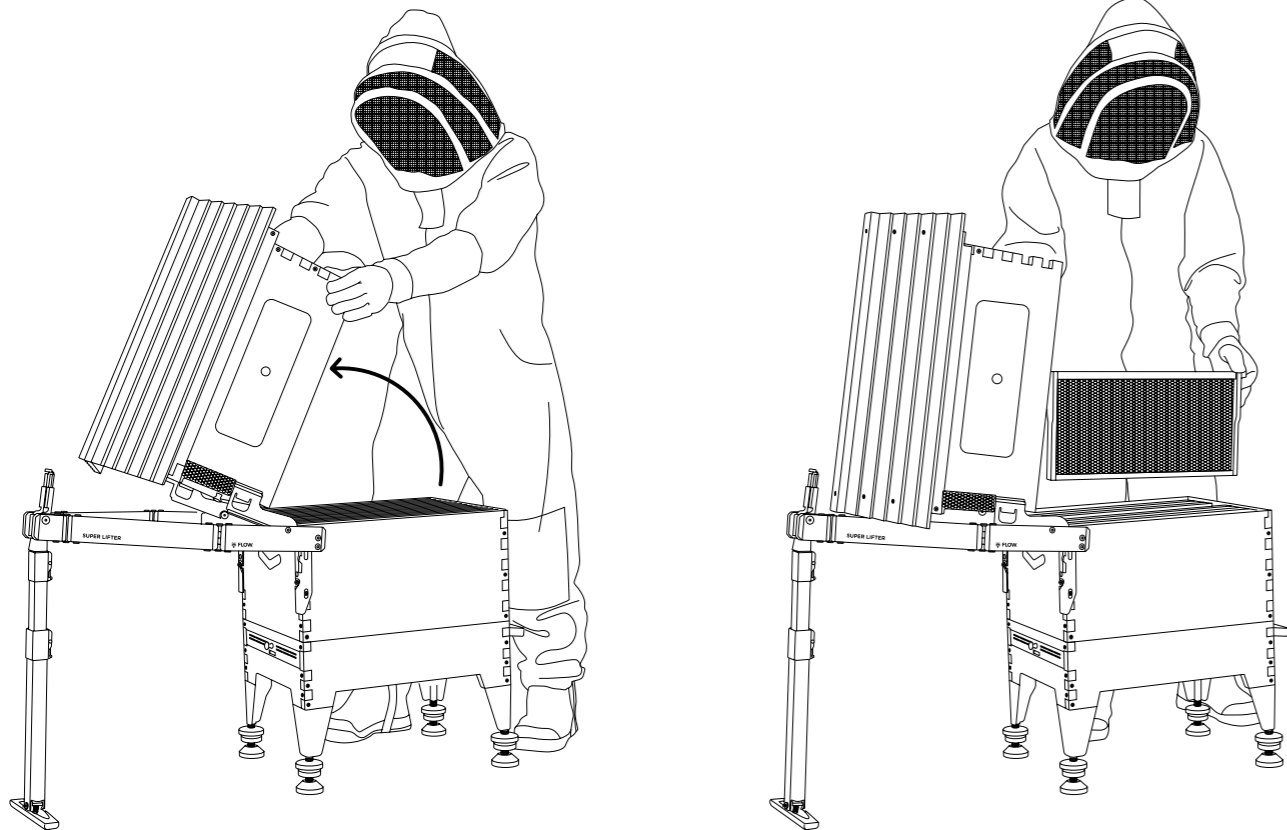
STEP 5 Lift the super

- Gently lift the super off the brood box, tilting it over until it rests on the Super Lifter stand.
- You can now inspect your brood or perform other beekeeping tasks.

NOTE If using the optional Flow Super Lifter Handles or lifting more than one super, see the specific instructions on pages 11 & 12.

USEFUL TIPS

- If you have a gabled Flow Hive roof, you can choose whether to leave it on or remove it prior to lifting. If you have a flat roof, take care to ensure it is attached to the super before lifting.
- It might be helpful to use your hive tool to crack the propolis seal at the end of the super that is resting on the lower box before lifting.
- Check the underside of your queen excluder for the queen. (The queen excluder may be on top of the brood box, or stuck to the bottom of the super.)

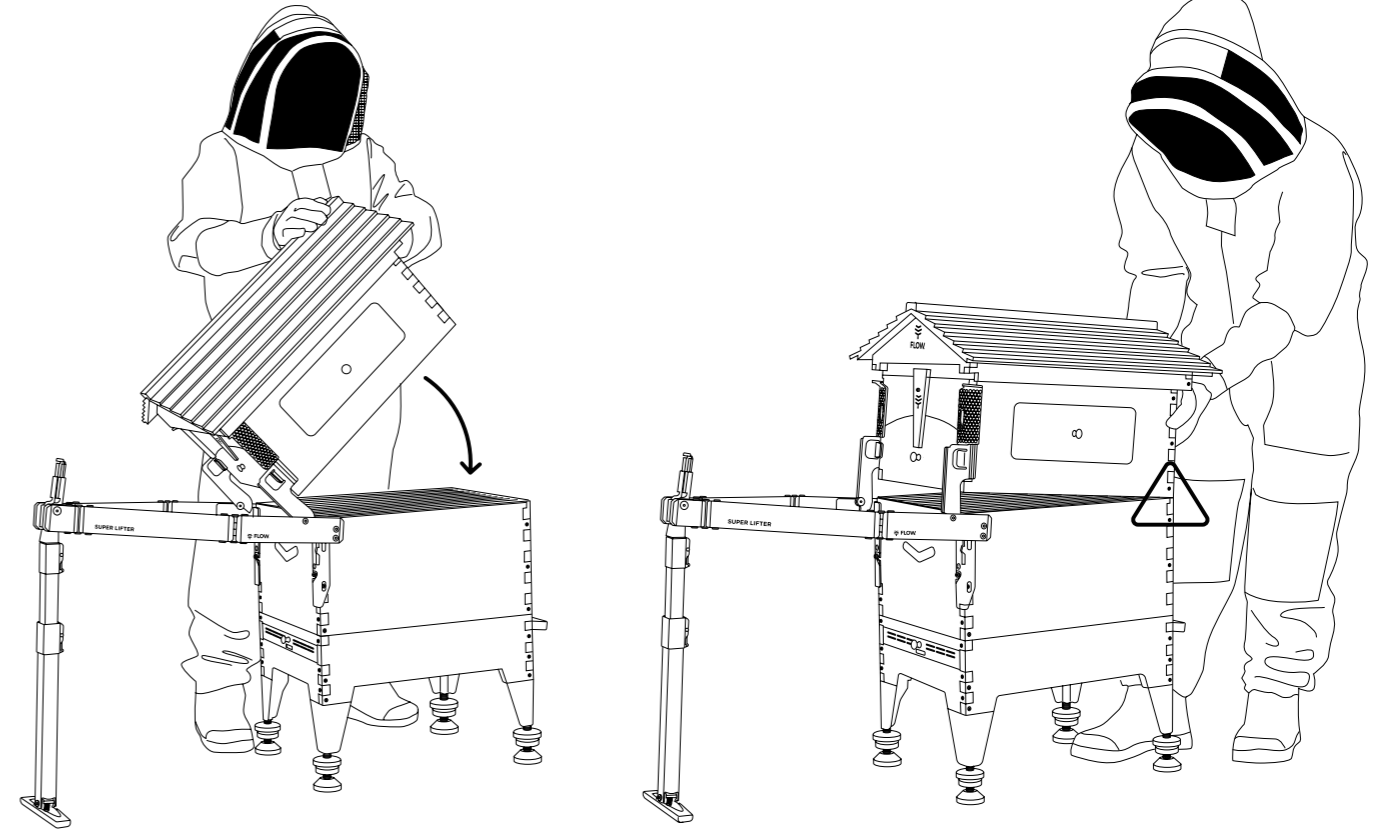


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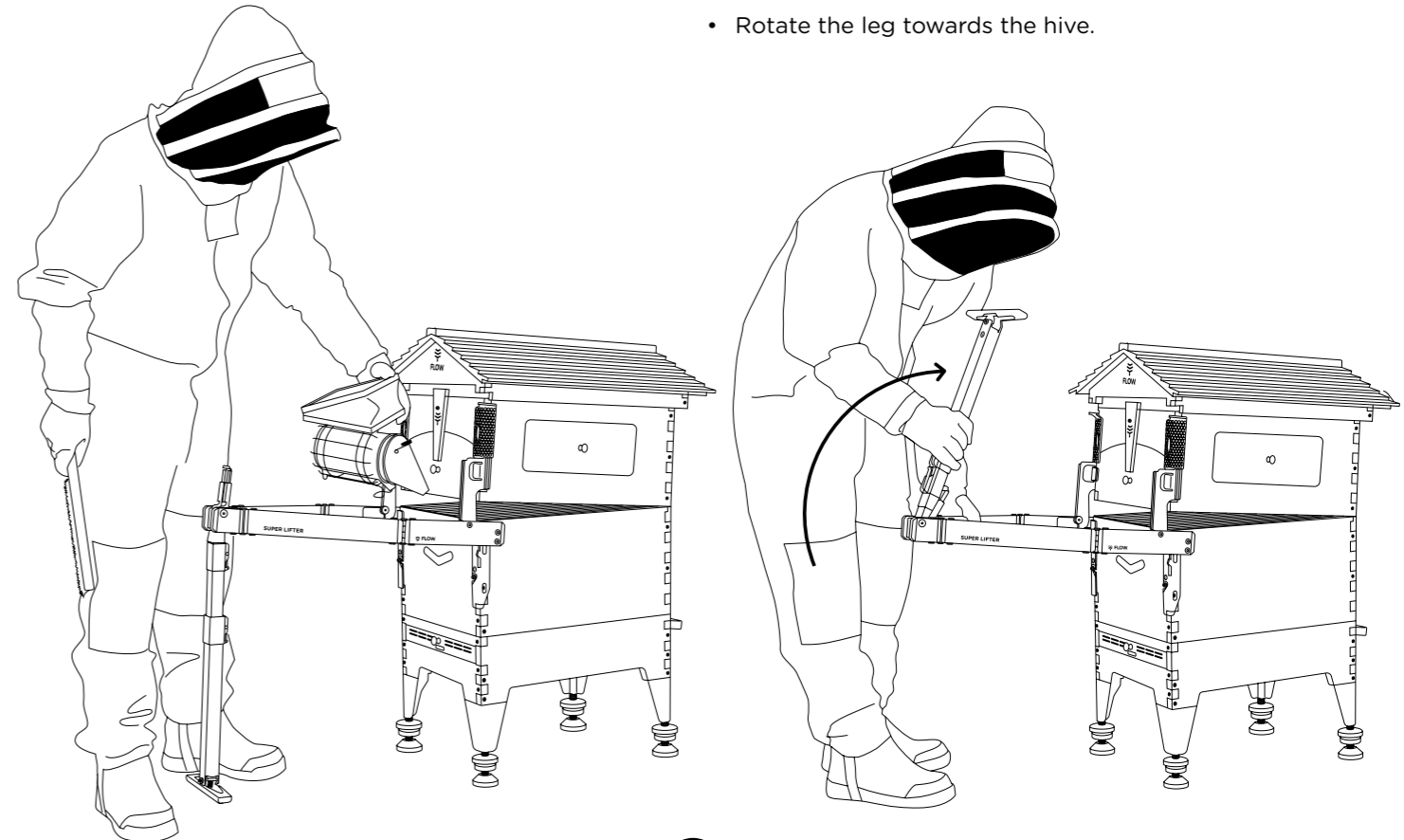
Closing the hive

- When you're ready to close up the hive (don't forget to replace the queen excluder) grip the super and begin gently lowering it back onto the lower box.
- Once the end of the super is resting on the lower box, ensure the boxes are aligned from side-to-side. (It may not line up perfectly end-to-end, but should correct itself as the super is lowered into place.)

NOTE Be careful to watch for pinch points and keep fingers and clothing away from all moving parts and joints.



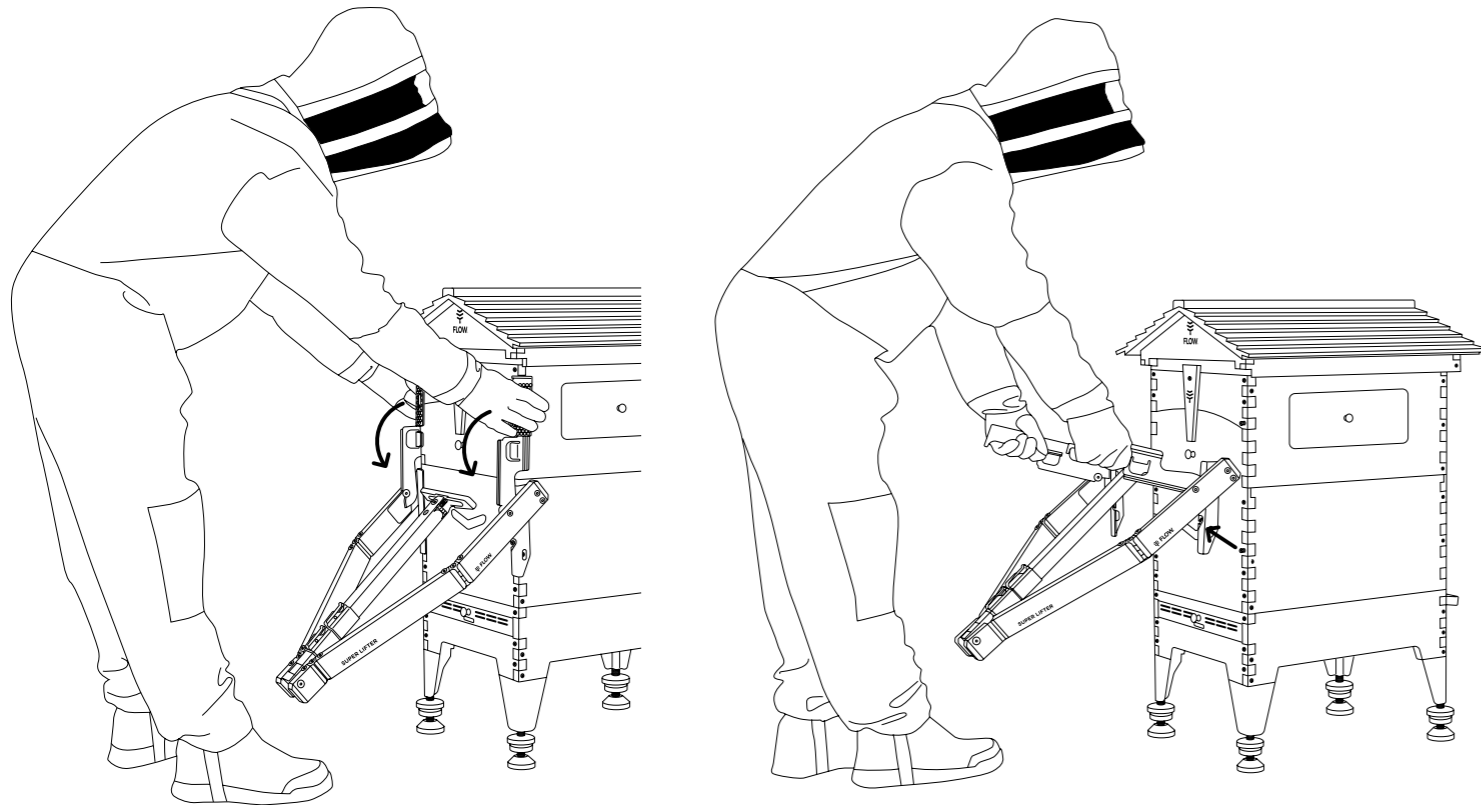
- Before closing the hive, smoke or sweep to clear bees from the box edges so that they don't get crushed.
- You can now retract the leg by using the clicker levers and then gently lower the arms to close the hive.
- Rotate the leg towards the hive.



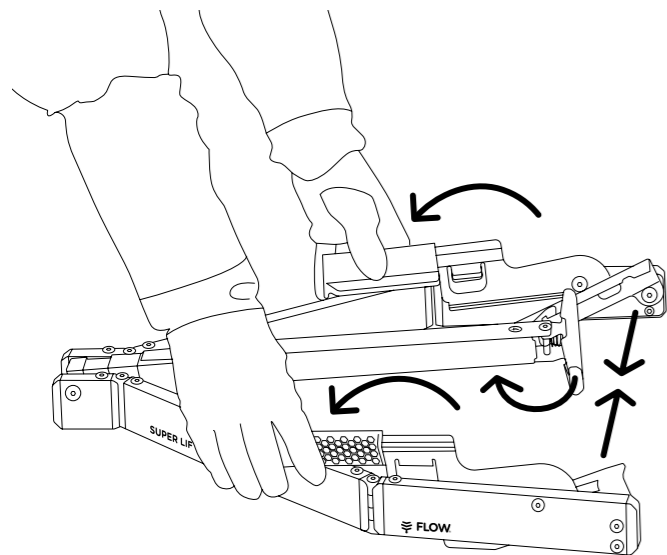
9

Removing the Super Lifter

- Rotate the upper bracket grips to a horizontal position, then lift them with a gentle outward movement to disconnect the lower brackets from the hive.



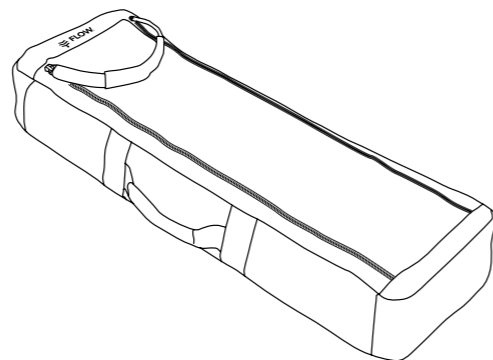
- The Super Lifter can now be folded back to its original position.



Care instructions

The Super Lifter can be easily spot-cleaned with a damp cloth. Avoid using abrasive materials or cleaners that could scratch the powder-coated surface. Minor wear and tear is expected and does not affect the product's performance.

When not in use, to minimise exposure to the elements and prolong its lifespan, store the Super Lifter in a dry, sheltered area - ideally in the Flow Super Lifter Carry Bag.

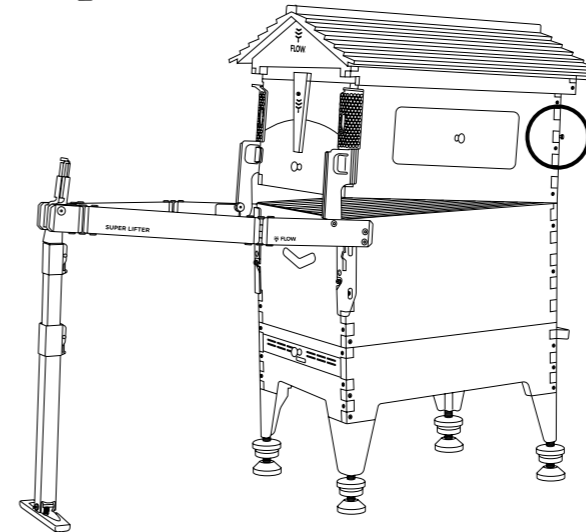
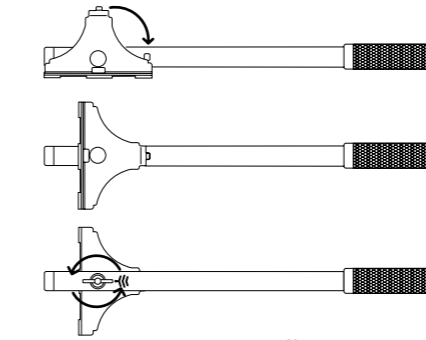


USING THE SUPER LIFTER HANDLES

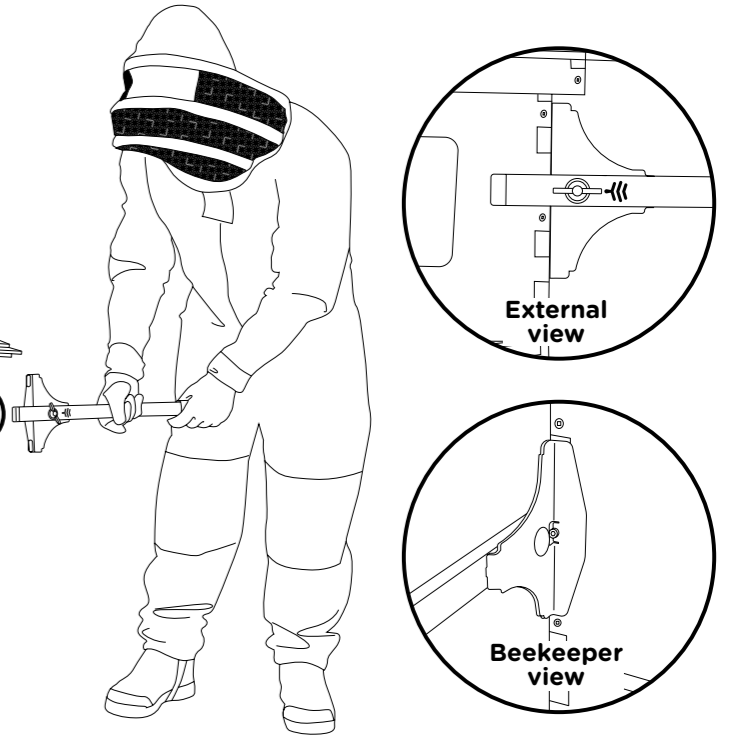
(OPTIONAL)

The Super Lifter Handles are an optional add-on, designed to further reduce the effort required when lifting one or more boxes.

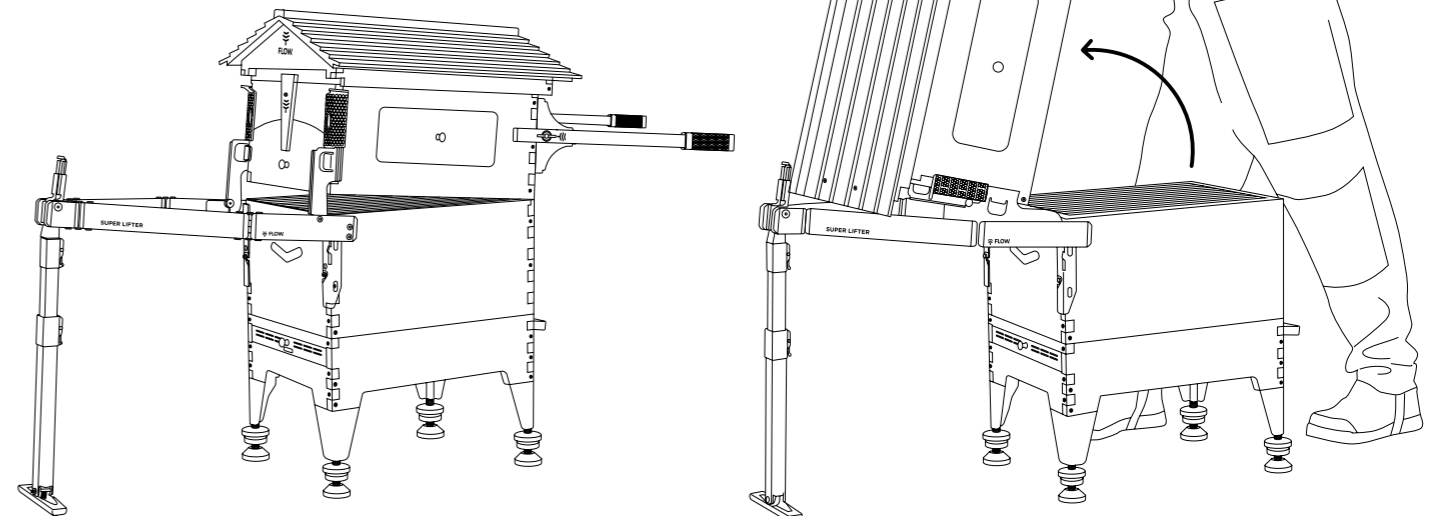
- You will need to add two additional Load Point Screws to the opposite end of the box you are going to lift. (In the case that you are lifting two boxes, the handles should be connected to the lower of the two boxes.)



- Rotate the handle bracket 90 degrees, then unscrew the wing nut far enough to allow the handle bracket's tongue to click into the slot on the handle arm.
- The bracket notch can now be fitted over the Load Point Screw, and the wingnut can be tightened until the handle is firmly connected.
- Repeat the process on the other side of the box so that both handles are attached.



- Once you've connected the Super Lifter to the hive as per the Super Lifter operation steps 1-4 above, the handles can be used to provide extra leverage when carefully tilting the box(es) over to rest on the Super Lifter stand.





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