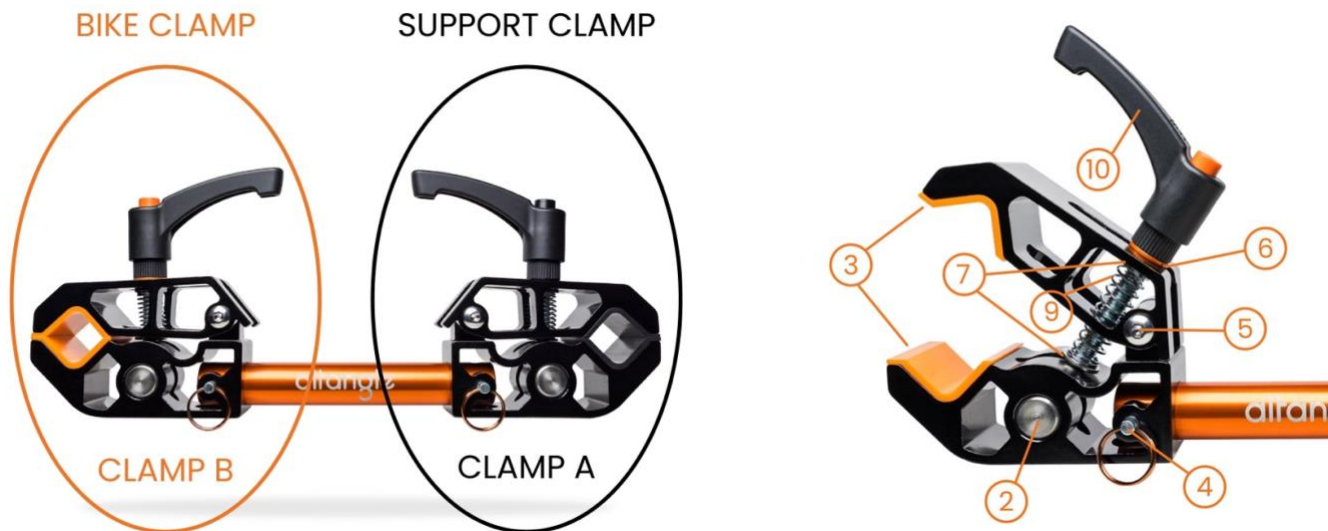


# Parts List



Part #	Description	Part #	Description
A/B 2	M10 Threaded Clamp Pin	A/B 6	Anodized Top Washer
A/B 3	TPU Jaw Inserts	A/B 7	Steel Spring Washers (X2)
A/B 4	QR Pull Pin	A/B 9	Clamp Spring
A/B 5	M6 Pivot Bolt	A/B 10	Ratchet Handle / M10 Threaded Rod

**A** = Support Clamp / Black Accents | **B** = Bike Clamp / Orange Accents | **C** = Anodized Offset Bar

## Tech Specs

- While both clamps function identically, we recommend using the clamp with black accents (Clamp A) for attaching to the structure and the clamp with orange accents (Clamp B) for attaching to your bike.
  - Keeping the clamps separate assures no grime or grease is transferred from a support structure / surface to your dropper post and or beautiful paint job.
- Simply rotate the handles clockwise / counterclockwise to open and close the clamp - use the ratcheting feature to make final adjustments to the handles position when tightening the clamp (this is especially helpful in tight spaces)



- With a jaw opening just over 3" the Connect is capable of clamping onto structures up to 2.7" in diameter
  - The ideal size for rounded structures is 1"-2" for the most secure attachment
  - Square and rectangular objects can provide a very sturdy attachment point even at the max 2.7" size.
- **The clamp features an integrated mechanical / visual stopping point** (pictured and highlighted above) - if you continue rotating the handle after the jaw has reached its widest point, the handle / threaded rod (Part #10) will disengage from the threaded clamp pin (part #2).
  - There is a buffer of about three full rotations after the jaws have reached their max width before it will become fully unthreaded.

- Integrating this feature into the clamp design (rather than the clamp hardware) allows all parts to be easily serviceable and replaceable by our customers.



- Use the QR Pull Pins (Part 4) to enable the four points of rotation and 2 attachment angles to get the clamp in the best position for the bike and or support structure.

## **General Upkeep**

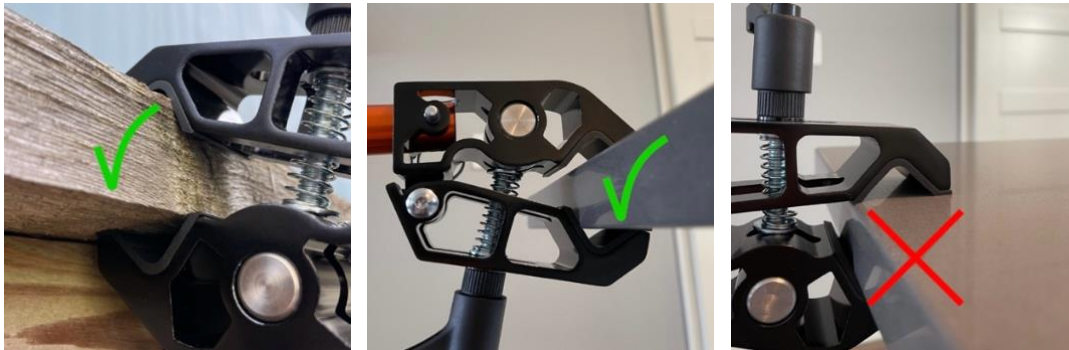
- Clamps can be easily disassembled, cleaned/serviced and re-assembled. All hardware is replaceable with readily available parts.
- Frequently use your Hangar Connect to wash your bike? While all our products are made from quality rust resistant material, we still recommend drying off your Connect just like you would your bike. WD-40 works great for displacing water and preventing rust/corrosion from forming on your Connect.

## **Clamp Assembly / Disassembly**

- To disassemble the clamp, rotate Clamp Lever (Part 10) counterclockwise to fully extend jaws to maximum position. Continue rotating the lever (approximately 3 additional rotations) to completely unthread the Threaded Rod (Part 10) from the Threaded Clamp Pin (Part 2). The Upper Spring Washer (Part 7), Lower Spring Washer (Part 7) and Clamp Spring (Part 9) can now be removed from the clamp.
- To re-assemble clamp, install Clamp Washer (Part 6) on Threaded rod (Part 10) and insert through the top notch on the clamp (A/B). Next, install the upper spring washer (Part 7), clamp spring (Part 9), and secondary (bottom) spring washer (Part 7) before threading into the Threaded Clamp Pin (A2) by rotating the adjustable lever (Part 10) clockwise.
  - Make sure the threads are aligned properly so you do not strip them. You should not feel any resistance when re-assembling these parts!

## Tips and Tricks

- **Don't be afraid to really tighten down** on the structural clamp when needed - we put a big handle on there for a reason. If the structure to which you are clamping to can handle the force, so can our clamp!
- **The same structure can often offer multiple attachments points.** If at first the Connect does not feel sturdy or is unable to suspend your bike, be sure to try re-positioning the Connect as it can often take a few tries.
- **When clamping to a flat surface** be sure the edges of the surface are contacting the inside of the TPU v-shaped Jaw Inserts (Part 3)



- Depending on the width of the surface, positioning the clamp with the handle facing up and or down can make all the difference in the grip it is able to achieve.
- The thicker the better when it comes to flat surfaces – If you are attempting to use the Connect on a flat surface less than 1.25” thick you may try positioning the Connect so that the Offset Bar (Part C) is inserted vertically into the bottom hole of both clamps.



- Using the Connect in this configuration is not ideal for carbon bikes as it would mean clamping the top tube (which we DO NOT suggest on carbon) – That said, if it happens to be your only options we have found that simply using the jaw of the clamp as a resting area to suspend your bike up right and in place for basic maintenance such as lubing a chain or airing up your tires is still better than nothing.

- **Flat Mount Insert**

- This Flat Mount Jaw Insert greatly improves the grip and stability that Connect is able to achieve when being used on flat surfaces (particularly those less than 1.5" in width) and objects with a OD less than 1".
  - While not imperative when using the Connect on flat surfaces, it does make finding that 'sweet spot' for a firm and stable grip that much easier.



- **Works in combination with existing V-Shaped Jaw insert** and can be placed in **either the top or bottom jaw of the clamp**.
  - Your choice of top / bottom jaw depends on the specific structure you are clamping to and the orientation of the clamp.
  - Inserting the flat mount insert into different jaws and experimenting with various clamp positions can significantly impact the level of grip and stability.
- As pictured above, the **Flat Mount Insert stows securely inside hollow cavity of clamp** (positioning is important – it fits inside the hollow cavity like a puzzle piece).
- **Only one Flat Mount Insert per clamp is necessary** - Retaining the original v-shape in one jaw enables the clamp to secure itself more effectively due to the angle at which the clamp opens and closes (unlike a vise grip, which features two parallel jaws that move toward or away from each other along a straight path)

#### **Using the Connect Without TPU Inserts:**

- While we generally recommend using the Connect with TPU inserts, there are exceptional cases where it can be utilized without them. However, this approach requires caution and should be pursued with careful consideration.
- The primary function of the TPU inserts is to safeguard the support structure from potential marring or damage during clamping. Removing these inserts will yield a direct metal-on-metal connection, particularly beneficial when dealing with substantial weight or objects such as large-diameter metal poles or beams. This configuration yields an exceptionally robust connection with zero sag or flex.
- It's imperative to exercise discretion when contemplating the removal of TPU inserts. This should only be attempted if you are confident that the support structure or object you are

clamping to possess the strength and durability to withstand the clamping force. It's crucial not to employ this method on anything that you wouldn't attach a vice grip to, as there is a heightened risk of damage or scratching when the inserts are absent.

- Always prioritize the structural integrity of the support and proceed with caution when considering the removal of TPU inserts to achieve a metal-on-metal connection with the Connect.

### **Disclosures**

To avoid injury and / or damage to the bike, or support structure:

- Ensure the Hangar Connect is resting securely on the support structure prior to suspending a load.
- Do not move or alter the support structure while the Hangar Connect is in use.
- Always remove the bike / load / object from the clamp before making any adjustments.

Some bike manufacturers recommend not clamping thin-walled or carbon fiber frames. Consult manufacturer for suggested clamping locations. Tighten the clamp lever carefully. Over-tightening may cause damage to your bike, object, or support structure.