

# QUICK RELEASE CAMERA MOUNT

[www.ColletteTech.com](http://www.ColletteTech.com)



## DISCLAIMER

Skydiving is a dangerous sport. This product does not eliminate the dangers or risks associated with skydiving, particularly skydiving with a helmet mounted camera. Collette Tech LLC does not make any guarantees of performance. The user of this product accepts all risk of all activities associated with this product. Furthermore, Collette Tech LLC accepts no responsibility for loss or damage of property or loss or damage to persons when using this product. Users accept all risk of personal injury or death.

# What's in the Kit



Camera case not included

1. Camera Mount (case not included)
2. Locking lug with set screws
3. Release cable with stainless steel locking pin
4. Grease packet , approved for use on ABS plastic
5. 5/32" hex wrench
6. 5/64" hex wrench
7. 13/64" Drill bit
8. 5/8" Drill bit
9. (2) temporary alignment bolts
10. Disposable Drill Jig
11. Removable adhesive template for aligning drill jig (not shown)
12. Soft cap (goes inside the top of the helmet)

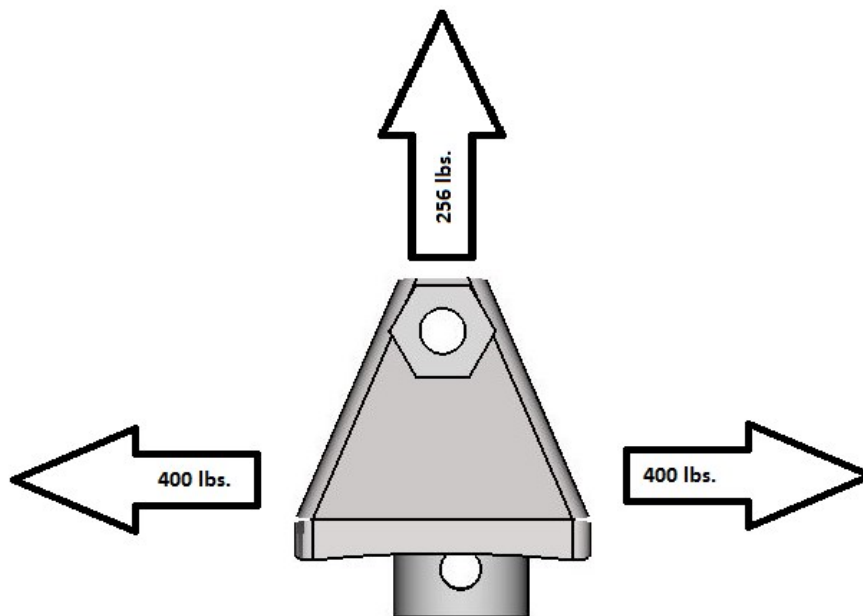
# SAFTEY AND TECHNICAL DETAIL

## The dynamics of a pilot chute entanglement

A pilot chute that has become entangled with something (i.e. a camera) can exert a lot of force. It will vary from one pilot chute to another. It is important, however, to have a baseline with which to test functionality against to ensure the safety of our products. When approached as a dynamic pressure problem, one can calculate the force created by a pilot chute that is snagged. We have generally accepted 110 pounds to be a typical force that can be created by a pilot chute below 6000' AMSL. To this end, our products are designed and tested to release with less than 22 lbs of pull force while under a 110 pound load.

## Mounting point failures

Our mounts are constructed of ABS plastic and treated with a post processing method which enhances aesthetics and increases strength. Mounts have undergone rigorous testing on a 20 ton hydraulic press to understand break points, materials, and design strength. While we are not responsible for lost camera equipment, we certainly don't want anyone unintentionally losing their cameras. The G3 camera mounts will fail under 256 pounds of tensile stress or 400 pounds of shear stress. In time, we will test this against traditional adhesive mounts. Adhesive mounts have typically been advertised however as holding up to 100 pounds. We feel confident that, under normal conditions, you will not lose your expensive camera unless it is time to intentionally part ways.



## Additional Recommendations:

1. Mounting Side—the mount is ambidextrous so the release handle can go on either side of the helmet. We recommend placing it on the NON-RSL side. This will help avoid any interference with the operation of an RSL extraction should occur while the head is tilted toward the RSL side of the harness
2. Emergency Procedures (EP)—This mount adds another handle. Make this handle part of your practice touches when rehearsing your EP's before each jump.
3. Use only the provided grease to lubricate the release pin per the installation instructions. Other greases may interact with the ABS plastic and cause it to weaken or fail over time.
4. Not for use with Hypoxic Turned On products. Due to the wire associated with the indicator, it is not recommended to use our mount with this product. We love the Hypoxic products and are current working on solutions to use these two products together.

# G3 Installation Instructions

For a video tutorial of installation, please visit [www.ColletteTech.com/support](http://www.ColletteTech.com/support).



1. Ensure visor is closed and remove the top foam piece from the inside of the helmet.



2. Place the removable adhesive template in the center as shown making sure the front touches or is close to the visor. Find the center of the helmet by pulling a piece of string across the helmet, using the vents as a guide.



3. mark the center of the helmet on the provided removable template as shown. This will put the mark about 4.25" from the top of the visor with the visor closed.



4. Place the plastic drill jig on top of the helmet so the the front center of the jig aligns with the mark you made in step 3 and the line on the template. Be sure middle hole is towards front as shown.



5. Drill the center hole using the provided 13/64" drill bit..



6. Place a disposable bolt in the new hole to keep the jig aligned while you drill the next hole. A wing nut can be used to hold the bolt in place.



7. Drill the next hole on the left or right side using the 13/64" bit. Place a disposable bolt in the hole to keep the jig aligned while you drill the 3rd and last hole . Use a wing nut to hold the second bolt in place.

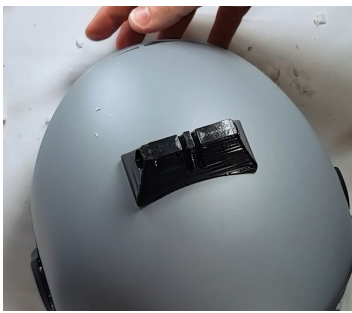


8. Drill the remaining hole using the 13/64" bit



9. Remove the jig and use the provided 5/8" drill bit to enlarge the MIDDLE hole only. Be sure to use LIGHT pressure to prevent the drill from "biting" the plastic and taking a big chunk!

NOTE: Newer kits now come with a spade bit which provides a better finish and won't "bite" the plastic. Light pressure is still recommended.



10. Place the mount on top of the helmet. Ensure the mount can move freely in the holes that were drilled. If it cannot be extracted by hand, you may need to smooth out or slightly enlarge your holes a bit depending on how far off they are. With proper use of the drill jig, a simple cleaning of the holes provides a good fit.



11. Grease the collar and locking lug. Place the locking collar over the locking lug on the inside of the helmet. Ensure that the flat surface is facing toward bottom of helmet and the slightly curved surface of the collar is facing towards top of helmet. Leave enough grease



12. **IMPORTANT!!!**: Use the provided grease to lubricate the entire surface of the locking pin. The more the better but you don't need to make a mess. Use only the supplied grease or grease approved for use on ABS plastics. **No lubrication can cause the pin to bind.**



13. Insert the handle into the space between the helmet shell and the foam, on the side of the helmet that you want the handle to be on. Point the loop towards the back of the helmet.



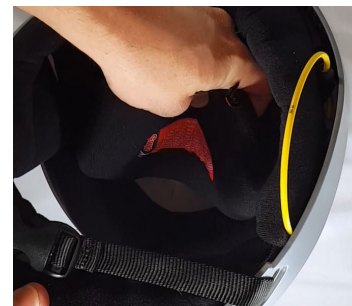
14. Pull the pin all the way through and insert the pin into the locking collar and locking lug. Ensure that the pin goes all the way through but do not allow the yellow RSL cable to enter the collar, doing so could cause a hard pull or no pull if a camera cutaway is necessary.



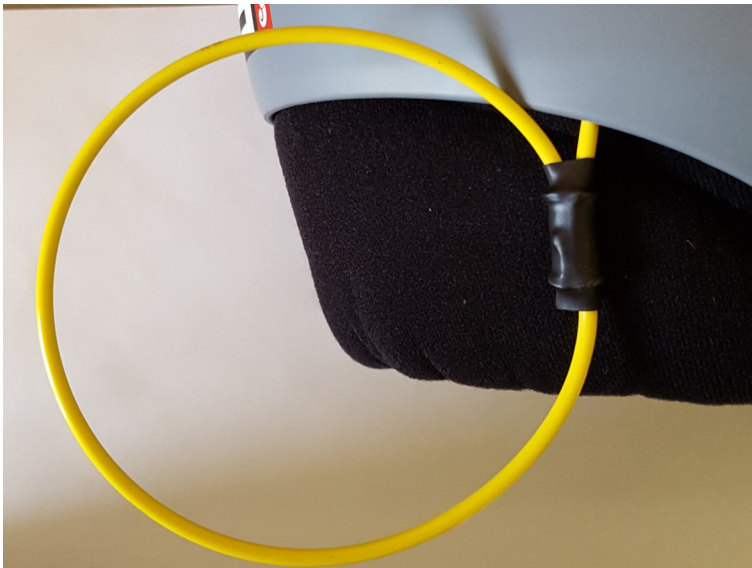
15. Use the provided hex wrench to **SNUG** the set screws in the locking collar. **DO NOT TIGHTEN.** These set screws only keep the camera from shaking. Too tight, and the locking pin will be locked in place. **You should still be able to move the locking pin by hand once the set screws are snug!**



16. Place the rubber cap over the mount hardware by aligning the holes in the pad with the pins from the mount.



17. Place the foam piece back into the top of the shell.



18. Use the Velcro tabs on the handle to secure it in a convenient location for you and your preference. To reduce snagging and losing a camera unintentionally, tuck as much of the handle into the helmet as possible while still leaving enough to be able to find it quickly. **It is required to point the handle loop towards the back of the helmet** to reduce snagging of the handle on the hinge hardware for the visor.



19. To operate, simply pull the release handle and allow the camera to fall away or be pulled away. We recommend a practice pull to ensure function.