

# Gimbal Instruction Sheet

## 1.0 To mount Gimbal into Tripod

- 1.1 Remove cover from top of Tripod (SECO 5203-10), save Allen Wrenches inside cover.
- 1.2 Remove 5/8" x 11 thread spindle and cross brace from inside bottom of Tripod platform.
- 1.3 Unscrew hex head machine screws from base of Gimbal, one at side of base, one at center of bottom holding retaining plate.
- 1.4 Insert base of Gimbal into hole of Tripod platform.
- 1.5 From bottom of Tripod platform, fasten retaining plate to Gimbal base with hex head machine screw. Tighten screw, Gimbal should still rotate freely.
- 1.6 Align retaining plate with hole for other hex head machine screw in Gimbal base. Insert screw. Fasten loosely, this screw is the locking set screw to lock horizontal rotation of Gimbal.
- 1.7 Gimbal is now mounted into Tripod.



## 2.0 Install Pole Into Gimbal

- 2.1 Stand up Tripod to full extension of legs, each leg at 40 to 60 degrees from vertical. Platform should be about 5-feet above ground level.
  - 2.2 Ensure Set Screws in nylon ring are retracted such that tips are inside, clear of interior surface of nylon ring. White edge of nylon ring with set screws is at top in steel ring of Gimbal mount.
  - 2.3 Insert Pole (HV-240, EV, MV, EVG, or MVG-40) into bottom of nylon ring, with top edge of base segment 1-inch above top of the nylon ring, black rubber ring above (hose clamp may be added onto rubber ring to reinforce mount of pole against slipping out of gimbal).
  - 2.4 Tighten the (3) Set Screws snugly.
- NOTE: over tightening Set Screws may injure pole and prevent extension of nested segments. If need be, loosen Set Screws to extend next bottom segment and then re-tighten Set Screws as needed to hold pole securely.
- 2.5 Pole is now installed.

## 3.0 Applying Counterweights & Use of Pole

- 3.1 Attach tool or "payload" device to tip of pole.
  - 3.2 Extend pole segments horizontally to desired length for use.
  - 3.3 Immediately adjacent to Gimbal on the base segment of pole, begin attaching Counterweights estimated to be required to balance pole with tip loaded.
- NOTE: Fasten Velcro straps tightly so that counterweights will not fall off bottom of pole at rubber boot.
- 3.4 When all counterweights are on pole, carefully slide counterweights down to rubber boot at bottom of pole. Top of pole will rise in balance. If top does not rise, add more weights at base until it does. If too much weight is applied, pole will go immediately to vertical, remove some weight to achieve perfect balance.
- NOTE: For direct Vertical use and vertical pole extension only, skip 3.2; add counterweights directly to pole base. Then extend pole straight up. If insufficient counterweight was applied, pole will not automatically stay vertical, add more weight.
- 3.5 Pole Tripod System is now ready to use.
  - 3.6 Tighten hex head screw in Gimbal base to lock horizontal movement.
  - 3.7 Tighten handles at Gimbal sides to lock vertical movement.
  - 3.8 Tighten hex head screw in steel ring to lock nylon ring and prevent rotation of pole in the Gimbal mount.

NOTE: A perfectly balanced pole will not require setting of any lock, except to prevent movement from wind or other external forces. Never allow bottom end of pole to touch ground, this will undo Tripod stability; adjust Tripod legs to keep bottom of pole a few inches above ground when vertical.