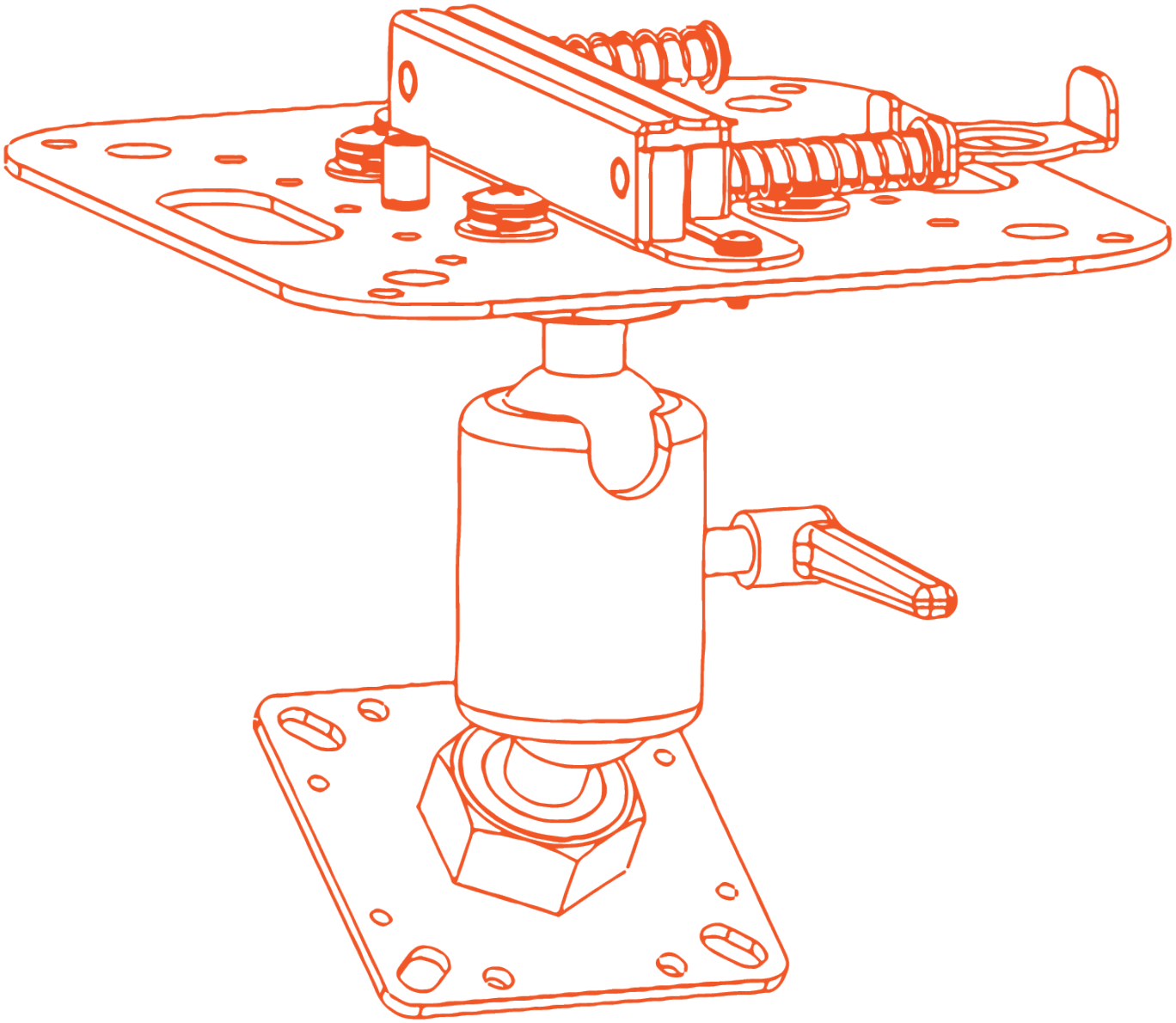
Installation & Mounting Manual

VenFlex™ Mount



Ventev's VenFlex™ Mount is patent pending

Rev. 050124

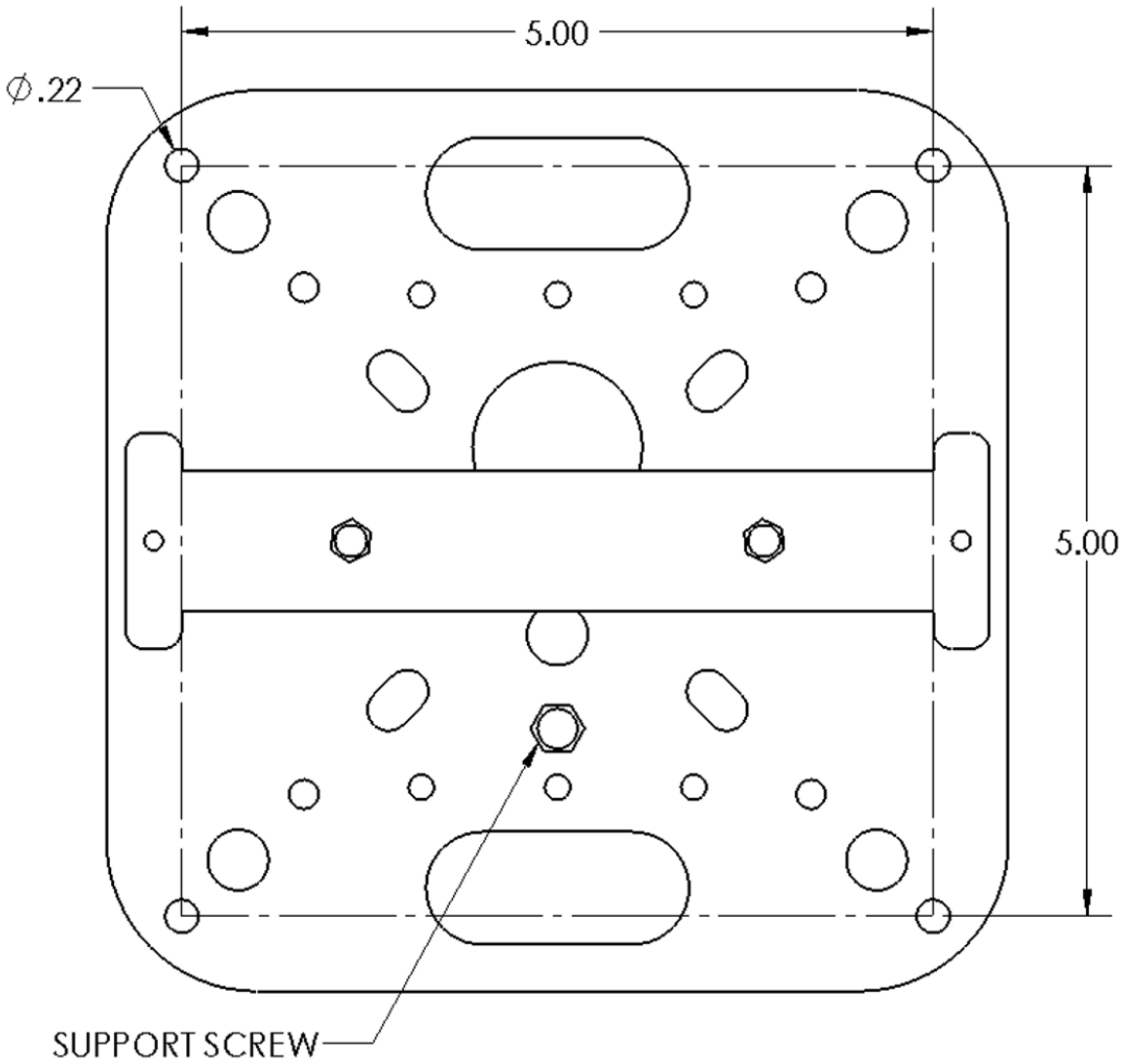
Ventev VenFlex™ Instructions

The Ventev VenFlex mount enables the mounting of either an access point or an antenna in a variety of ways, including I-Beam mount, flat wall/ceiling mount, outlet box mounting (single and double gang; 4 in. junction box), hanging conduit, and hanging all-thread. For more specialized use cases, accessories, such as articulating mounts, can be attached to the VenFlex mount.

Refer to the section below for the desired mounting configuration. After installing your VenFlex Mount, refer to the specific access point's documentation for mounting the access point to a 15/16 in. T-bar.

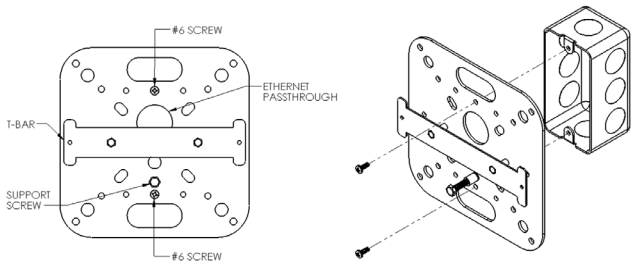
1. Surface Mounting (Flat Wall/Hard-Lid Ceiling Mounting)

Holes are located in the corners of the VenFlex Mount for basic mounting to a flat wall or ceiling. The holes are sized for #10 screws. Select the appropriate fasteners suited for the type of wall/ceiling material.

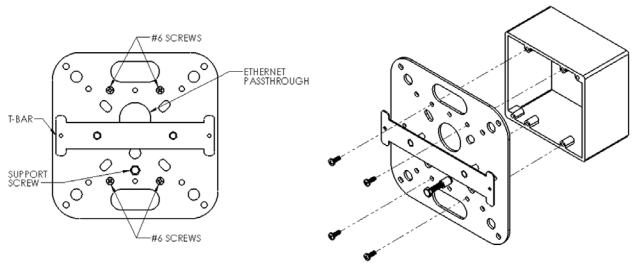


2. Outlet Box Mounting

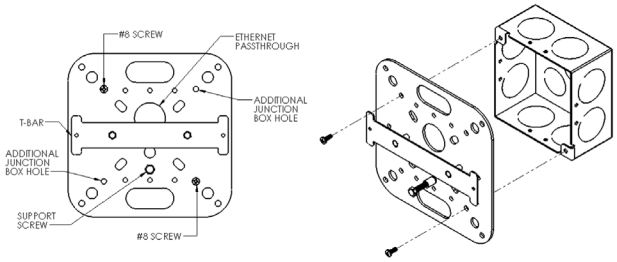
Install the mount using the specified hole patterns and faceplate screws (not included). Route the ethernet cord through the ethernet passthrough hole.



Single Gang Outlets



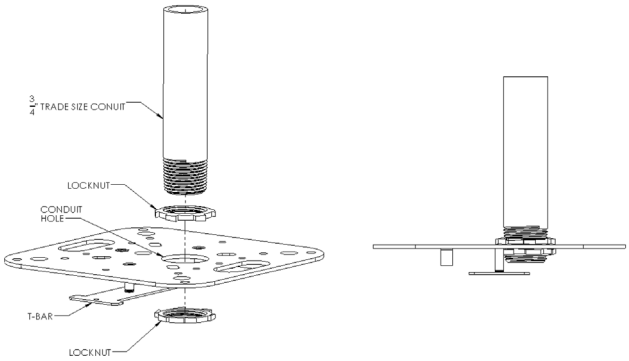
Double Gang Outlet Box



4" Junction Box

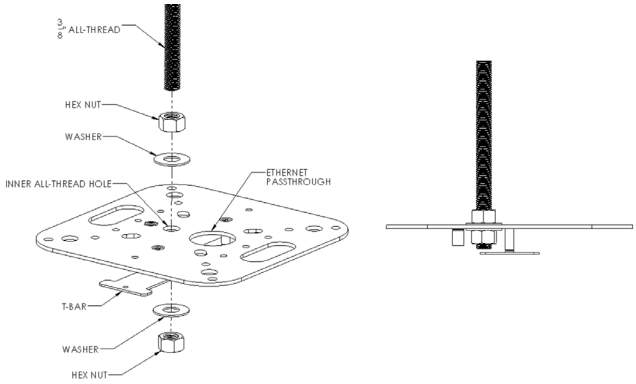
3. Hanging Conduit Mounting

With the ¾ in. Trade Size conduit inserted in the conduit hole, fasten two (2) locknuts (not included) on the top and bottom sides of the mount to secure. Route the ethernet cable through the conduit.

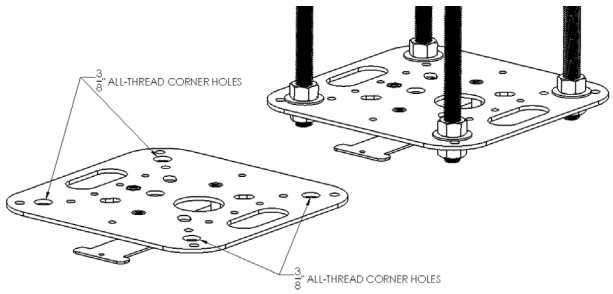


4. Hanging All-Thread Mounting

The VenFlex Mount contains five (5) holes for mounting from 3/8" all-thread rod. The mount can be hung using a single all-thread rod using the inner all-thread hole and up to four (4) all-thread rods using the corner holes. All-thread is secured by fastening a hex nut on the top and bottom sides of the mount.



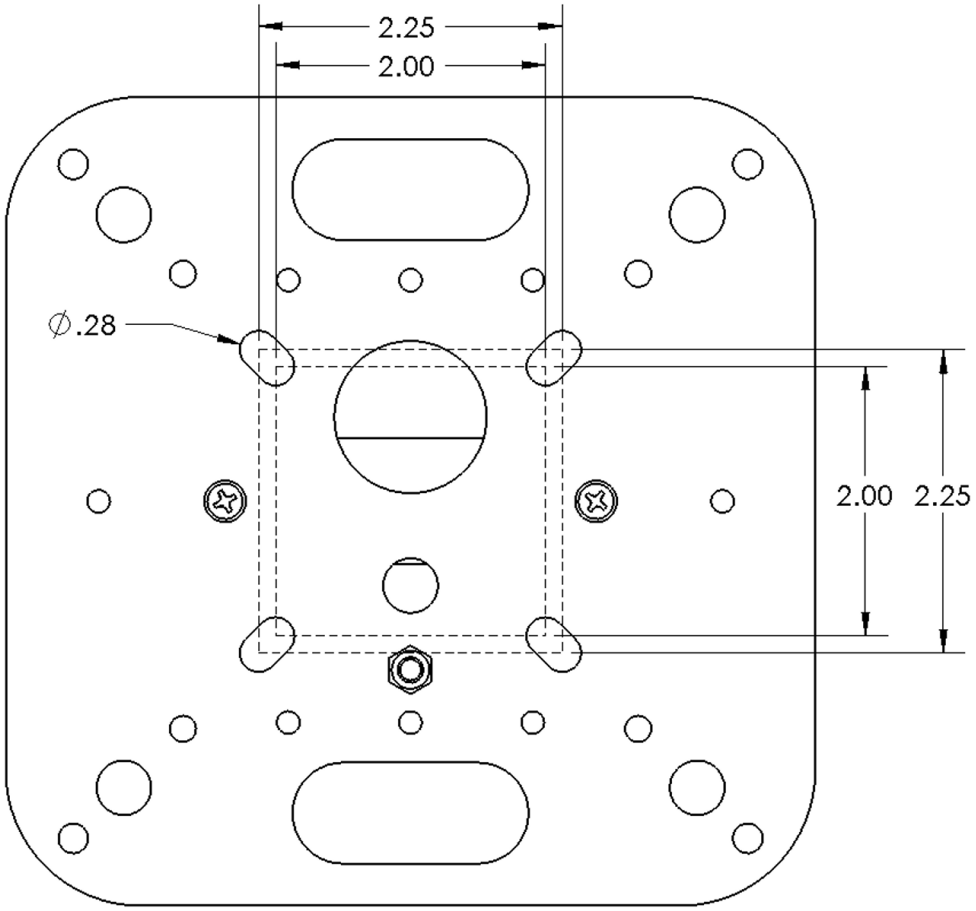
Single All-Thread



Four (4) All-Thread

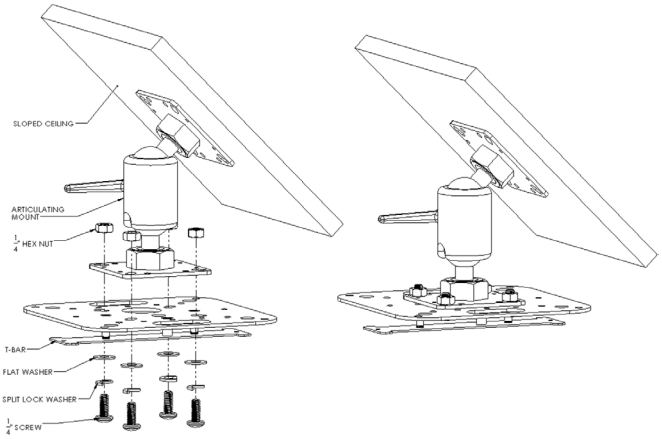
5. Attaching an Articulating Mount to the VenFlex Mount

Articulating mounts can be attached to the VenFlex Mount to articulate the access point in some scenarios as well as to all the mounting of an articulated antenna. In the figures pertaining to articulating mounts, Ventev's Universal Articulating Mount with Large Joiner (SKU 266277) is shown. Alternatively, any articulating mounts with a 2 x 2 in. square pattern up to a 2.25 x 2.25 in. square pattern can be substituted (SKU 266277, 511425, 384807, 387391, 377750). See sections below for specific configurations.



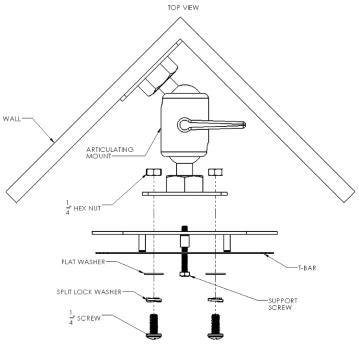
Mount to a Sloping Ceiling

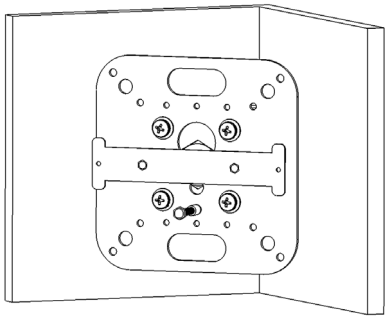
Attach the articulating mount to the ceiling with hardware suited for the ceiling material. Attach the VenFlex to the other end of the articulating mount using the specified hardware shown in the figure below.



Mount to Corner Wall

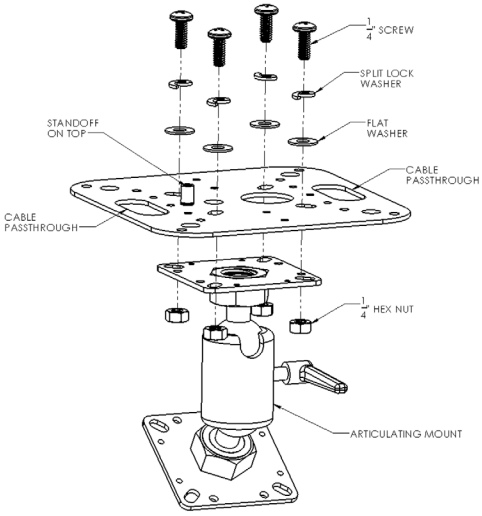
Attach the articulating mount to the wall with hardware suited for the ceiling material. Attach the VenFlex Mount to the other end of the articulating mount using the specified hardware shown in the figure below.

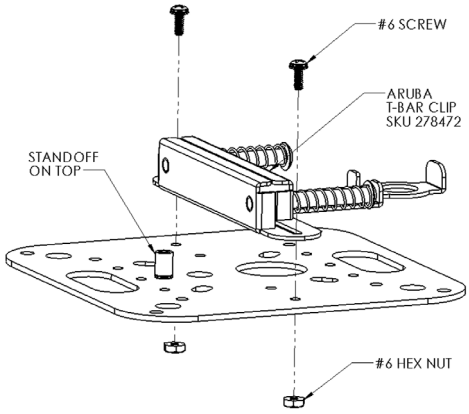


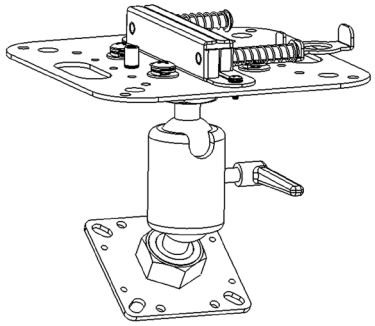


Installing VenFlex Mount with Antenna on T-Bar Drop Ceiling

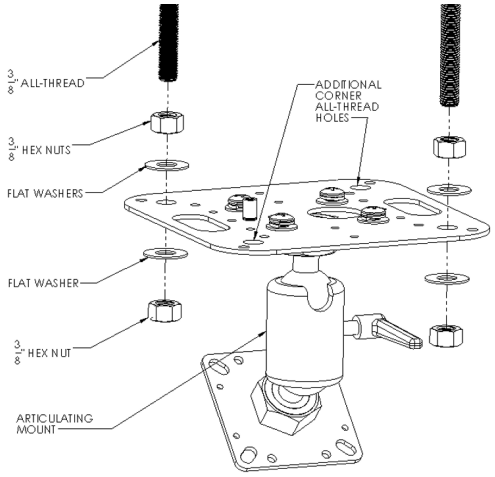
The VenFlex Mount with an articulating antenna can attach to the T-bar in a standard drop ceiling grid, by attaching the Ventev Aruba T-Bar Clip (SKU 278472).

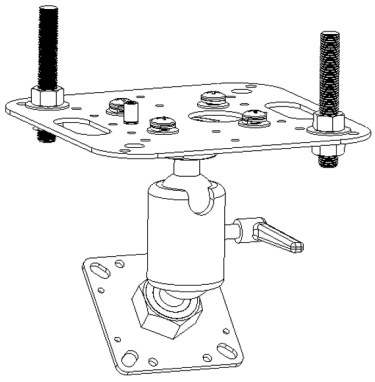


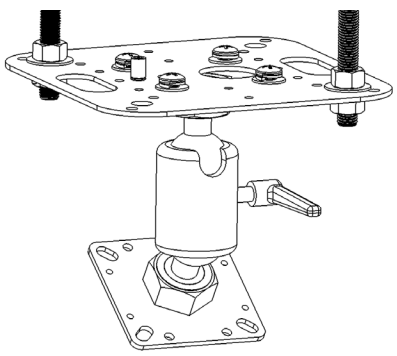




Installing Articulating Mount with Antenna Mounting on Hanging All-Thread



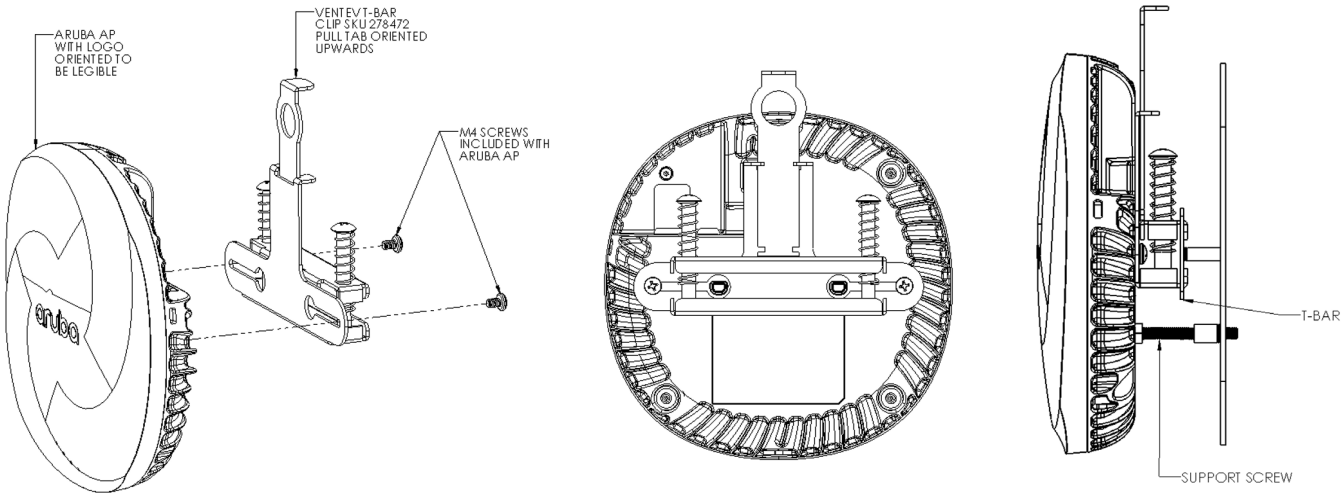




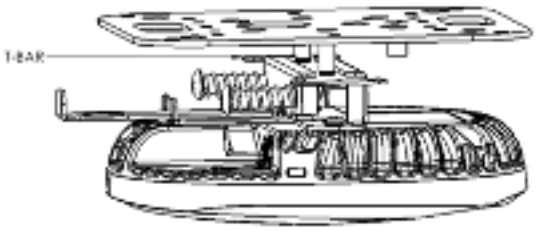
6. Attaching Aruba Access Points to the T-Bar with the Ventev Aruba T-Bar Bracket

The Ventev Aruba T-Bar Bracket (SKU 278472) is used to attach Aruba access points to the T-bar of the VenFlex Mount. As shown in the figure below, the two (2) M4 screws included with the access point are used to attach the Ventev Aruba T-Bar Bracket to the access point. **First, remove any factory brackets from the access point prior to Ventev Aruba T-Bar Bracket Installation.**

Orient the access point so that the logo is legible and orient the pull tab of the T-bar bracket so it is facing upwards. Pull the pull tab of the T-bar bracket and install the access point onto the T-bar of the VenFlex Mount. In wall mounted scenarios, a support screw on the VenFlex Mount can be adjusted by hand or using a wrench to make the access point parallel to the wall. See figure below. If the support screw extends beyond the back of the VenFlex Mount, drill a hole a hole in the wall or ceiling to allow it to pass through. Before drilling, the hole can be marked by removing the support screw from the threaded standoff and inserting a center punch through the standoff. Alternatively, the excess screw length may also be trimmed off.



Support screw is not needed when access point is hanging so it is facing the ground.

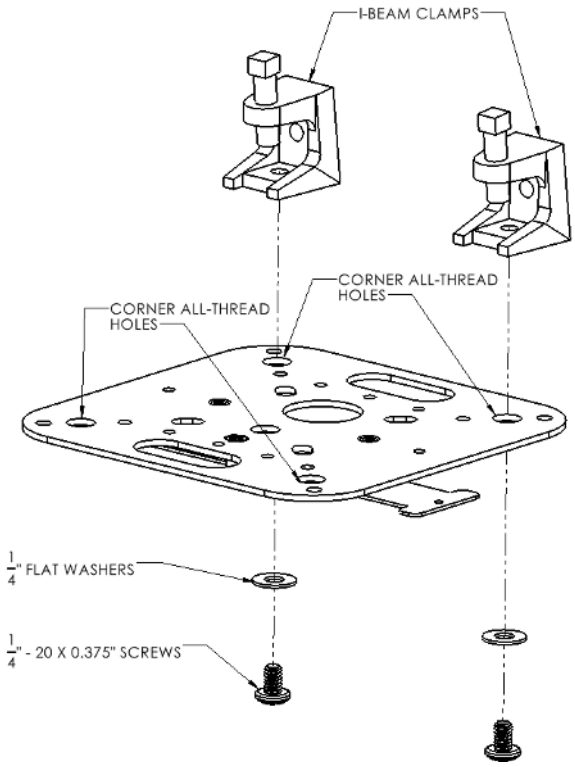


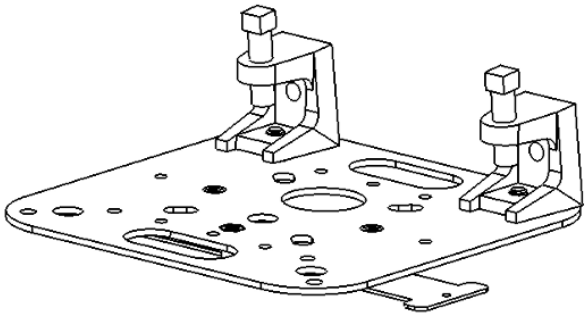
7. Attaching All Other Access Point Models to the T-Bar

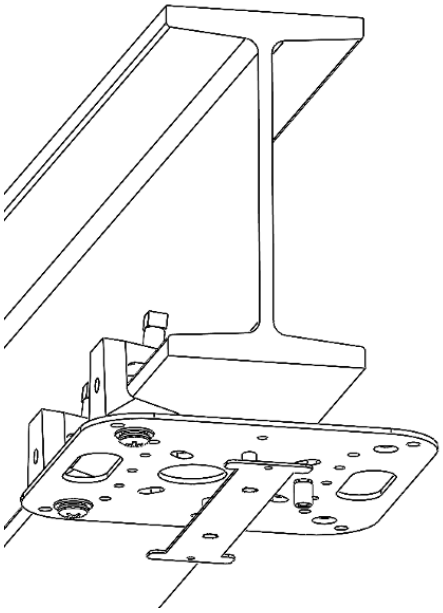
Refer to the specific access point's documentation for mounting the access point to a 15/16 in. T-bar. The support screw on the VenFlex Mount can be adjusted by hand or using a wrench to make the access point parallel to the wall. If the support screw extends beyond the back of the VenFlex Mount, drill a hole a hole in the wall or ceiling to allow it to pass through. Before drilling, the hole can be marked by removing the support screw from the threaded standoff and inserting a center punch through the standoff. Alternatively, the excess screw length may also be trimmed off See figure in Section 6.

8. Mounting to I-Beams

The VenFlex Mount can attach to an I-Beam, in either the horizontal or vertical orientations, by using the hardware in the I-Beam mount kits, SKU 608490 and 608496. The I-Beam kit SKU 608490 contains two (2) I-Beam clamps, two (2) ¼-20 x 0.375 in. screws, and two (2) flat washers. The I-Beam kit SKU 608496 contains the same hardware with the addition of a Ventev Aruba T-Bar Bracket. Install the I-Beam clamps to a pair of adjacent corner all-thread holes and then mount the AP mount full assembly to the I-Beam.

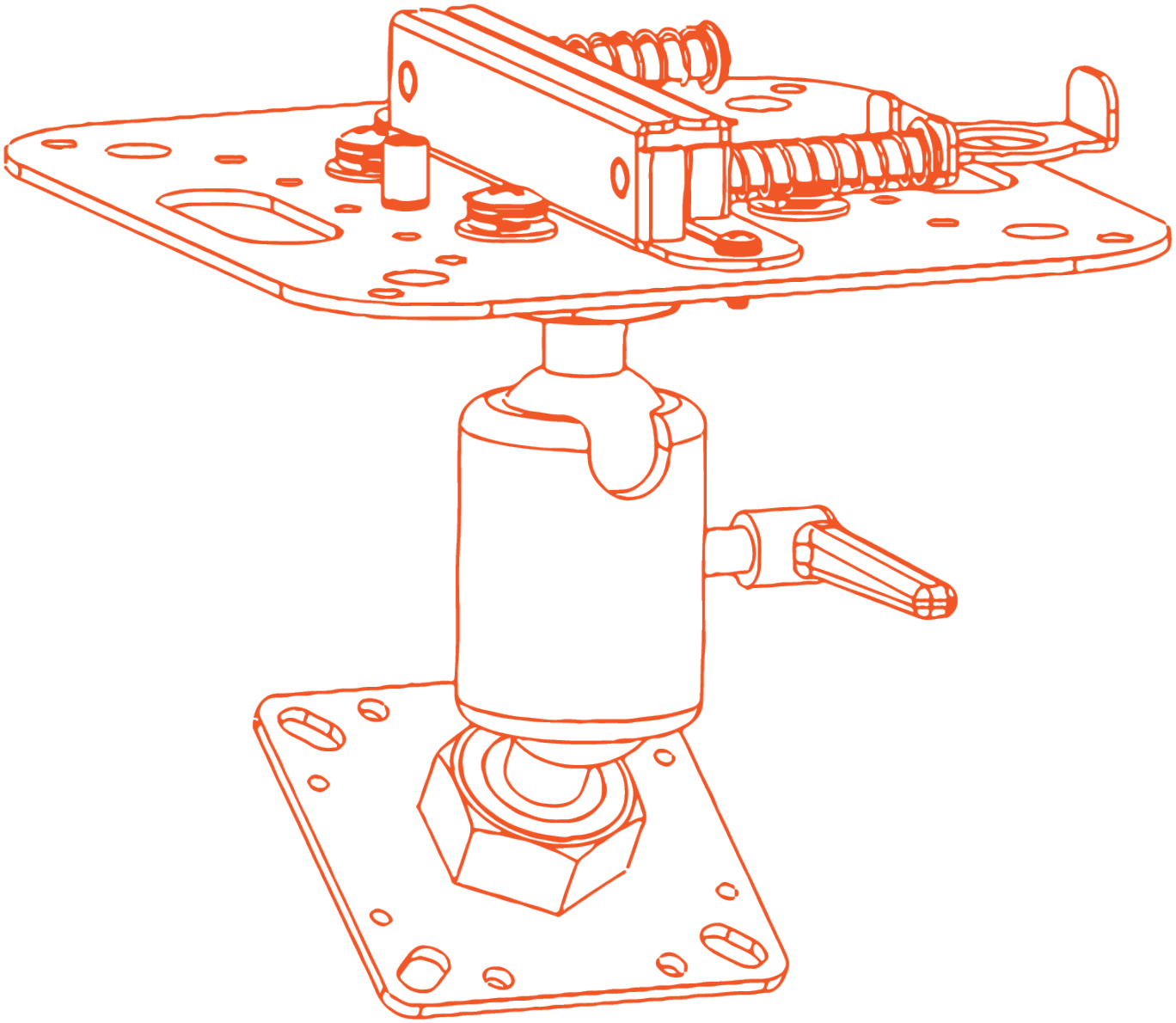






11126 McCormick Road,
Hunt Valley, MD 21031
800-851-4965
sales@ventev.com

ventevinfra.com



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