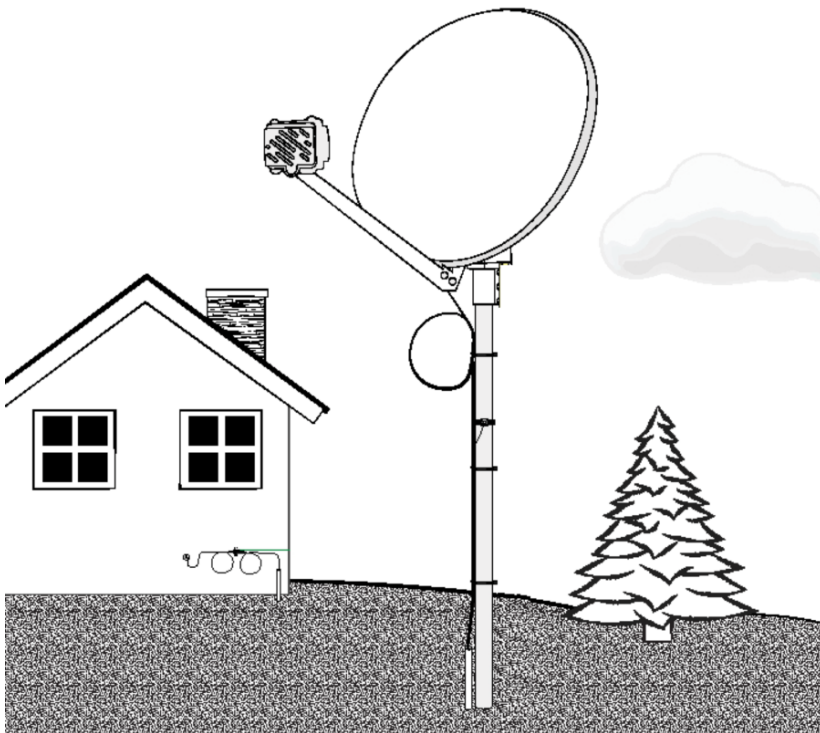


# 250/750 Foam Pole Mount Job Aid

This job aid provides details for the preparation and installation of a Pole Mount with ***Q-Set 250-750 Satellite Dish Post Setting Cement***.

View: [Pole Mount Job Aid – Concrete Mix](#)



## *Surfaces*

The only approved location for a pole mount is in firm ground, with no danger from flooding.

## *Structural Elements*

None

## Important considerations

**DANGER!** Locate power lines before you start the installation. These include overhead and underground power lines, electric lights, and power circuits.

- The Pole Mount installation requires additional materials not provided with the equipment
- This installation type may also require building permits. Technicians are required to check the local building codes
- Only use Viasat-approved poles listed in the [Viasat Approved Materials](#) List.
- Extend at least 3 feet below the ground surface, depending on the frost depth, and be set using the approved foam product.

## *Other Considerations*

- The ground block must be within 20 feet of the NEC-approved ground
- The total cable run from the modem to the TRIA must be less than 150 feet
- All antennas must be located at least 20 feet from any overhead power lines and 3 feet from any standard power circuit or electric light

- Mount the antenna so that the antenna does not impede foot traffic

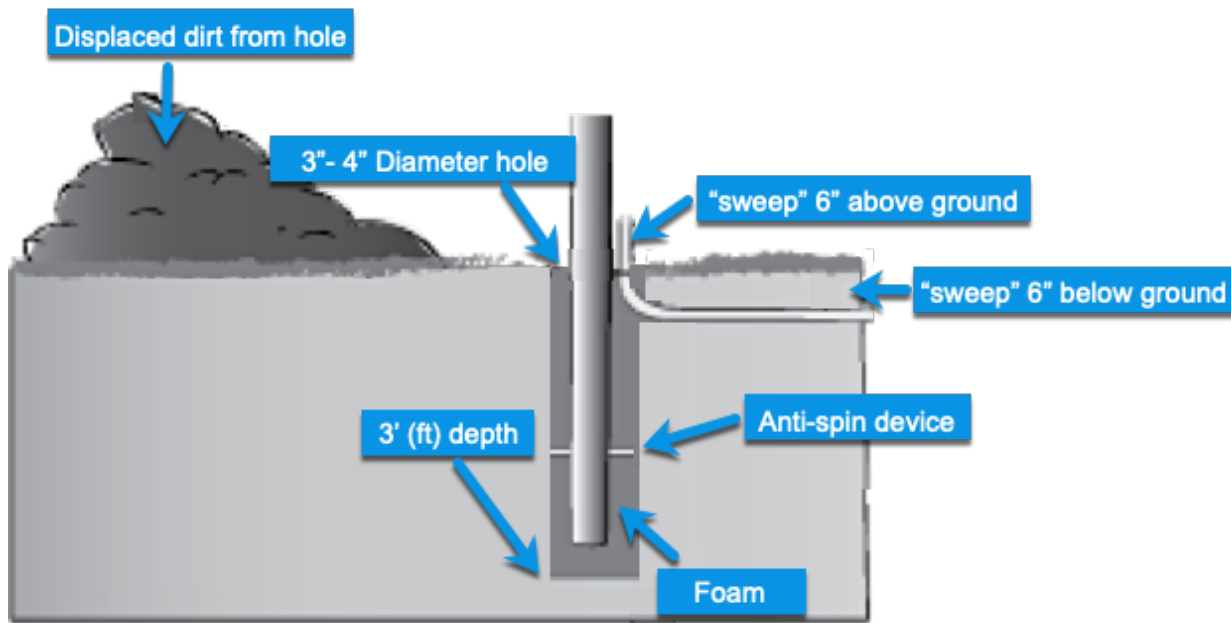
### *Mounting Materials for Pole Mount*

- The pole – must be listed on the Viasat Approved Materials List
- 1 – 16 oz bag of foam
- PVC sweeps – for every cable type
- If anti-spin pole is not used – an anti-spin device
- If using non-flooded COAX cable – PVC conduit

## **Installing a Pole Mount**

**Note:** All cables must be on the Viasat Approved Materials List, or, meet the specifications listed in COAX Cable Specification job aid.

Using an auger or core drill, bore a 3-4 inch diameter hole, 3 ft deep.



- The Pole must not extend, more than 5 ft above ground level.
- If needed: Install an anti-spin device through the base of the pole to prevent rotation

Install the sweep exposing 6 inches above ground using zip ties to attach to the pole, or if using non-flooded cable conduit install all conduits prior to adding the foam, and pull cable through later.

Run the cable through the sweep and attach the cable running up the pole with sufficient excess to form a service loop and reach tria.

Secure the pole base by pouring in one 16 oz bag of foam product into the hole. Follow the Q-set instructions on the bag.

- Make sure you wear safety glasses and gloves when using the Q-Set 250-750.

Level the pole while the foam cures (1-4 minutes). After 15 minutes of cure time, perform a quick tug test on the mount to verify that it is stable.

Dig a trench at least 6 inches deep from the pole to the house or building.

***Considerations: The step sequence may change based on the cable used***

Preferred: Place flooded COAX cable at the bottom of the six-inch deep trench from the pole sweep to the structure sweep.

- Ensure there are no 90-degree bends
- Each cable end (at the pole and at the structure) must be protected with conduit sweeps that extend from the bottom of the trench to at least six inches above the ground surface

If using non-flooded COAX cable, install conduit at the bottom of the six-inch deep trench from the structure, prior to installing foam and place the COAX cable inside this conduit.

- Ensure there are no 90-degree bends
- Each conduit/cable end (at the pole and the structure) must be protected with conduit sweeps that extend from the bottom of the trench to at least six inches above the ground surface
- Add silicone-based sealant to the top of each sweep