

FLAG OUTLET

www.flagoutlet.ca
www.flagpole.ca

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35' Flagpole Installation Instructions

Tools:

- Level 24" & 6"
- Concrete 4.5'x18" below ground
- Form-a-tube 1'x18" (Auger)
- Loctite for ball (supplied)
- Wrenches 9/16", 5/8", 1-1/8"
- Form-a-tube 6'x18" (backhoe)

Part 1:

1. Ensure that the flagpole is installed at a reasonable distance from any other obstruction. Add the length of the flag plus a foot to give a minimum distance between the flag & any other flagpole or surrounding structure.
2. Phone call to arrange meeting with utility companies for site inspection (Call One).
3. Remove 4.5' deep x 18" diameter of earth material: If you use a backhoe you must compact the soil around form-a-tube. Using an auger or Hydrovac is another method of digging a hole, this method does not require compacting of soil.
4. Place 6" of 1/2" aggregate at the bottom of hole (improves drainage).
5. Optional: Install Lightning Kit: 3/8" pin with 6' cable, drive pin (nail) with cable into sidewall of 18" hole prior to pouring concrete.
6. Auger method: Place concrete form-a-tube 1'x18" diameter onto the top of the hole, this is to get the concrete above ground level. Level the form-a-tube.
7. Backhoe method: Place 6' of form-a-tube into hole and level tube, back fill with sand. Tube should be approx one foot above ground.
8. Fill 4.5'x18" hole & form-a-tube with concrete, use 28 MPA, 3/4" aggregate with fiberglass reinforced concrete, the exact amount of concrete required is 3/4 cubic meters. 20-30 kg Bags of Concrete, add 3 bags more to fill a 24"x18" form-a-tube above ground.
9. Trowel concrete for desired texture finish, make small dome of concrete to help drainage of water, use an edger for concrete corners.
10. Let concrete dry for 48 hrs.

Warning: When using a tilt anchor base, make sure hinge (round tube on plate) faces away from building and have 35' clear to lower flagpole.



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Part 2:

1. Place flagpole on sawhorse (chair). Remove cardboard & paper wrapping from flagpole.
2. Slide the shield over top of flagpole and down below door.
3. a) Most flagpoles are shipped with internal halyard & rotating assembly inserted in the pole, go to step 5.
b) If your pole has the internal & rotating assembly shipped separately, go to step 4.
4. Use an electrician's fish, insert the fish from the bottom, attach plastic chain (& main cable) at the top and feed the plastic chain (& main cable) into the pole.
5. Open door with key and withdraw plastic chain
6. Snap on flag cable to main cable. Snap on bottom of flag cable to one side of ring bead, add 4 lb weight, place ring bead around pole and snap flag cable to other side of ring bead.
7. Apply loctite to threads on ball and tighten with 5/8" (9/16") wrench.
8. a) Tilt method: Attach shoe to anchor bolt assembly, using pin for the tilting function. Use sawhorse (chair) to support the top of the pole, this will prevent the shield from being bent by the weight of the pole, then raise pole
b) Non-tilt method: Pad the ball on the crane with old towel, use packing tape to hold the towel. Lift pole and place on anchor bolt assembly, use nuts & washers to tighten down pole.
9. Use a 2' level and check if the pole is plum, if it is not plum, add a spacer (washer or pennies) between the shoe and anchor and tighten nuts.

Warning: Make sure threaded rod on anchor bolts align with shoe. Excess leverage pressure can break hinge.

Warning: Failure to use Loctite on ball (threaded rod) will cause the ball to vibrate off.

Any questions can be answered by our Production Manager, Don Williams 1-800-596-0999.