

American Flagpole & Flag Co.

www.aflag.com

1(800) 426-6235

CONTINENTAL EXTERNAL HALYARD REVOLVING TRUCK GROUND SET INSTALLATIONS INSTRUCTIONS

1. Dig foundation as detailed in SECTION A FOUNDATION SPECIFICATIONS, set sleeve in center of hole with top 2" above grade. Plumb, brace, pour concrete; trowel to desired finish. Keep inside of sleeve dry and free of debris by covering opening. Allow concrete to cure for 48 hours.

2. Remove shaft from shipping tube, lay on sawhorses. Unwrap paper from around the very top, the bottom, and around the access door. If there is any suspicion of damage to the finish, completely unwrap and inspect all shaft sections prior to assembly. Rewrap to protect the finish during assembly and installations.

IF YOUR FLAGPOLE IS MULTI-PIECE POLE, PLEASE REFER TO SECTION B MULTI-SECTION FLAGPOLE ASSEMBLY AT THIS TIME.

3. Revolving Truck: Locate the truck and halyard in the parts box. Screw the truck spindle into the threaded top of the shaft using a pipe wrench to tighten. By hand only, screw the stem of the finial ball into the truck. Use Lock-tite or other stud cement if available. Use a wrench to securely tighten down the jam nut against the truck. Thread the halyard through the sheave of the truck and securely tape or tie the ends of the halyard together.

4. Using the screws provided, mount the cleat(s) over the drilled and taped holes on the shaft. They are located approximately 5' plus the amount of the flagpole that will go into the sleeve from the bottom of the pole. If cleat covers are being used, mount them at the same time using the same screws. Secure the halyard to the cleat. Slide the flash collar up from the bottom of the flagpole shaft. Tape the collar temporarily beneath the cleat.

5. Using a nylon sling, carefully pick up the assembled shaft. Orient the cleat(s) in the desired direction, and set the shaft vertically into the foundations sleeve. If the shaft is multi-piece shaft, a nylon choker must be used to insure the sections do not separate when lifted.

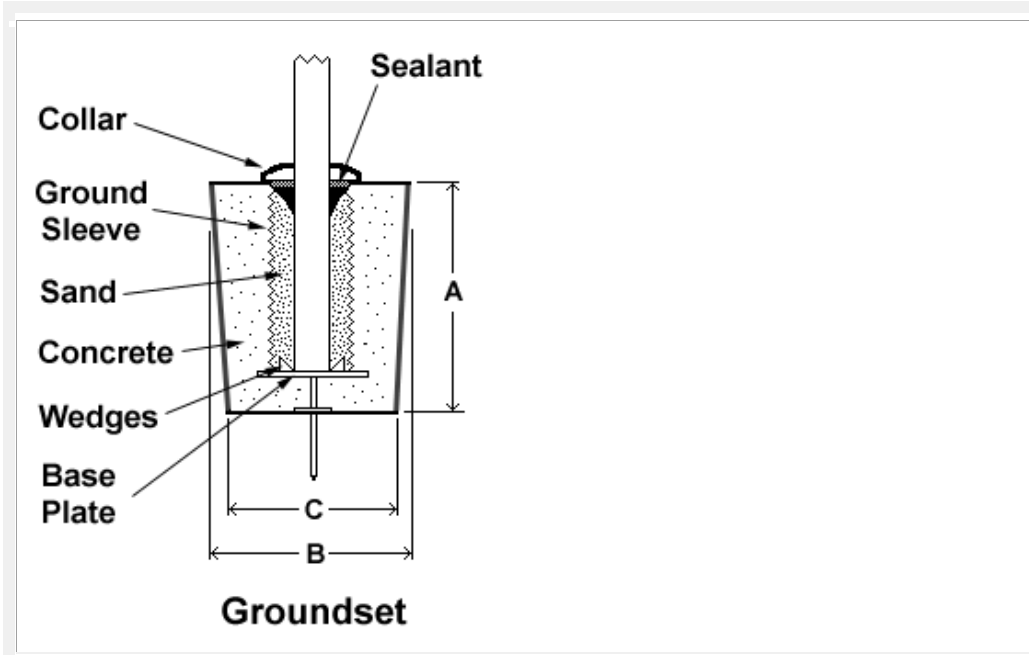
6. Plumb the shaft upright. Insert wood wedges (not furnished) between the shaft and the sleeve to temporarily keep the shaft in place and plumb. Pour in, and tamp firmly, dry sand between the shaft and the sleeve. Make certain it is well compacted. Leave a 1"-2' void at the top for sealer (not provided). Remove the wood wedges. Fill the void with waterproof cement or any weatherproof sealant. Un-tape the collar and slip down the shaft. Caulk the collar into place at the concrete and shaft joint to prevent water from entering.

7. Retie the ends of the halyard to form a single loop with a neat knot. Cut off excess halyard. A 5-8 foot loop below the cleat is sufficient. The location of the knot can be anywhere including between the flagsnaps in the middle of the flag. Attach the flagsnaps to the halyard by passing a loop of halyard through the swivel-eye of the flagsnap. Pass the loop over the flagsnap and pull the halyard taut. Separate the flagsnaps based on the size of the flag to be flown. Multiple flags can be attached to the same halyard by adding additional flagsnaps. Attach the flag(s).

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Foundation Specifications SECTION B



Shaft Foundation Dimensions

HEIGHT	BUTT DIAMETER	SLEEVE DIAMETER	DEPTH A	DEPTH B	DEPTH C
20'	4"	6"	3' 6"	30"	24"
20'	5"	8"	3' 6"	30"	24"
25'	5"	8"	3' 6"	30"	24"
25'	5.5" - 6"	10"	3' 6"	30"	24"
30'	5"	8"	3' 6"	30"	24"
30'	6"	10"	3' 6"	30"	24"
35'	5"	8"	4' 0"	36"	30"
35'	6" - 7"	10"	4' 0"	36"	30"
40'	7"	10"	4' 6"	42"	36"
40'	8"	12"	4' 6"	42"	36"
45'	8"	12"	5' 0"	48"	42"
50'	8"	12"	5' 6"	48"	42"
50'	10"	15"	5' 6"	48"	42"
60'	10" - 12"	15"	6' 10"	48"	42"
70'	10" - 12"	15"	8' 0"	60"	48"
80'	12"	15"	9' 0"	60"	48"

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Multi-Section Flagpoles

In the unlikely event that you encounter any difficulties in the installation process, contact the dealer or representative from which the flagpole was purchased and, if necessary, they will contact our factory for assistance.

Multiple section flagpoles are designed to be field assembled with the patented, self aligning, internal sleeve assembly using close tolerances. These units have been pre-fit at the manufacturing facility to within $\frac{3}{4}$ " , without lubrication, in order to provide a snug fit between sections. It is imperative that these sections must be handled and assembled with care to avoid altering the fit.

Read through the entire set of information before beginning the assembly and installation process. Do not expect to be able to disassemble the shaft sections after they have been put together. They are designed to fit tightly together and taking them apart without damaging the flagpole will be extremely difficult or impossible.

If the flagpole is and internal halyard unit – Independence (stainless steel cable) or Sentry (halyard) – it is extremely important that the truck assembly NOT be fed through the pole until *after* the sections are completely put together. A short section of rope or cable caught between the walls of the section during the section fitting process will prohibit the sections fitting together properly. This condition is practically impossible to reverse.

DO NOT IMPACT THE ENDS OF THE FLAGPOLE SHAFT SECTION IN ANY WAY THAT WOULD DENT, OALIZE OR CREATE SURFACE ABRASIONS (BURRS) ON ANY MATING SURFACE. Inspect the shaft sections for damages including, but not limited to, dents, an oval condition, abrasions, or burrs to the mating surface.

ASSEMBLE THE SHAFT IN A HORIZONTAL POSITION – RAISE THE SHAFT OFF THE GROUND FOR ASSEMBLY – Place the shaft sections on blocks or saw horses so that dirt, gravel, etc. does not get into the joint and interfere with the assembly. Place the bottom of the shaft against a solid object such as a steel column or a wall to help in the fitting process. Protect all surfaces with thick wooden blocks and padding.

IDENTIFY THE VARIOUS MATING SECTIONS BY MATCHING THE NUMBERS ON EACH OF THE POLE SECTIONS – Each joint has been custom fit and the mating sections have been number stamped with the same identification number near the adjoining end. If the sections do not have the same match numbers...STOP. These sections are not interchangeable. If you have purchased multiple flagpoles, check to see if various sections have gotten mixed up. If this is not the case, contact the dealer or representative from which the flagpole was purchased and they will contact us immediately. Be prepared to give them the pole size information and the marking numbers on the flagpole.

AGAIN, VERY THOROUGHLY CLEAN ALL MATING SURFACES TO REMOVE ALL FOREIGN MATTER IMMEDIATELY BEFORE ASSEMBLY. It is critical that the mating surfaces, the outside of the sleeve and the inside of the top section that slides over it, be cleaned and smooth of burrs and abrasions. While cleaning, if you feel the cloth “snag” on something, now is the time to determine and fix the cause. **LUBRICATE THE SLEEVE AND INNER SURFACE WITH LIQUID SOAP.** Lubricate well. **DO NOT USE GREASE, OIL OR ANY PETROLEUM PRODUCT AS IT CAN SEEP OUT OF THE JOINT AND STAIN THE SHAFT .** Try to keep the finished surfaces free of hand prints and excess lubricants.

SLIDE THE UPPER SECTION ONTO THE SPLICING SLEEVE OF THE LOWER SECTION MAKING SURE THAT THE MATCH MARK ARROWS LINE UP EXACTLY WHILE THE SECTIONS ARE BEING PUT TOGETHER. Some force may be needed as the sections come together. In the event that a sledgehammer is used in the final fitting process, use extreme care to protect the aluminum surface and the cast aluminum end plug by using thick wooden blocks to absorb direct shock.

Proceed with remainder of the installation.

Do not allow concrete to come in contact with the aluminum shaft.

EXTREME CAUTION SHOULD BE EXERCISED WHEN INSTALLING FLAGPOLES NEAR OVERHEAD POWER LINES OR IN THE VICINITY OF BURIED CABLES.