

20 ft. Aluminum Flagpole with U.S. Flag

Home Depot for \$130

Home Depot (P/N 514-435) Sells the Valley Forge home flagpole kit (AFP20F)

amazon.com for \$100

http://www.amazon.com/gp/product/B000059MTO/ref=ord_cart_shr?ie=UTF8&m=ATVPDKIKX0DER

This 20 ft. Aluminum Flagpole with U.S. Flag is a 16-gauge, 5-section pole with a 3 ft. x 5 ft. nylon U.S. flag. It also comes with a 3 in. gold aluminum ball top, a 6 in. die-cast aluminum cleat, strong halyard rope, 2 snap hooks, an 18 in. PVC ground sleeve and a 2 in. cast-aluminum truck with nylon pulley.



Assembled Dimension: 3 in. W x 3 in. D x 240 in. H

Pole: 5-section pole for easy installation of an in-ground flagpole

Pole: 20 ft. tall to let you proudly fly your flag outside your home

Flag: Nylon flag for durability

Flag: United States flag with sewn stripes and embroidered stars for patriotic display

Flag: Grommets allow rope to be threaded easily through the holes for convenient installation

Flag: 3 ft. x 5 ft. flag can be seen from a distance

Pole: Made of 16-gauge aluminum for long-lasting use

Includes strong halyard rope, 3 in. gold aluminum ball top, 6 in. die-cast aluminum cleat, 2 snap hooks, 18 in. PVC ground sleeve and 2 in. cast-aluminum truck with nylon pulley

MFG Model # : AFP20F

MFG Part # : AFP20F

Other Flagpoles you can get from Online Sellers

<http://www.united-states-flag.com/reingrfl.html>

http://www.flagpolewarehouse.com/flagpoles/residential/flagpolekits/special_purchase.shtml

http://myrtlebeachflag.com/Installation25_30.html

Online Flagpole Replacement Parts

<http://www.flagandbanner.com/fab/productpage.asp?id=CBALL175>

Pole Base Components and Isolators



<http://www.mfjenterprises.com/Product.php?productid=MFJ-1900>

<http://www.dxengineering.com/default.asp?DeptID=32>

<http://www.dxengineering.com/Sections.asp?ID=1&DeptID=32#Top>

<http://www.dxengineering.com/default.asp?DeptID=43>

<http://www.dxengineering.com/Products.asp?ID={F576274F-A477-4114-B1BF-41E6D138D10A}&SecID=139&DeptID=43>

<http://www.dxengineering.com/pdf/VA-BASE-Rev5c.pdf>

Installation Procedure

The foundation requirements depend on the height of the pole, the butt diameter, and most importantly the type of ground content. If the ground is soft or sandy, increase the diameter of the hole.



1. Dig foundation hole appropriate to your size flagpole. See the chart below. *Note: We have allowed an additional 6 inches depth on every foundation.* This initial 6 inches should be filled with crushed stone or pebbles for drainage.

	20 ft.	25 ft. Res.	25 ft.	30 ft.	35-40ft.
width	15	18	24	30	40
depth	20	22	30	36	48

2. Mix concrete, place ground sleeve in the center of the hole and surround with concrete. Use a level to ensure that the sleeve remains plumb and no concrete falls into the ground sleeve.



3. Continue to fill concrete around the ground sleeve being careful to insure that the sleeve remains plumb until the concrete is within 1 inch of the top edge of the ground sleeve.

4. Allow the concrete to set.

5. Remove the wrapping from the pole.

6. Screw the ball top onto the truck and fix the truck to the top of the pole. Push the truck as far as it will go. It should be a snug fit. Screws are provided should you prefer to use these for additional security.

7. Thread the halyard provided through the opening in the truck head, bringing the two ends together.

8. Sleeve the ground collar onto the butt of the pole (20-25 ft.). If your pole is 30 ft. or taller, sleeve the ground collar from the top of the pole toward the bottom.

9. Attaching the cleat: Cleat holes have been prepared in the factory for your convenience. Remove the white cleat and pair of screws from the bag, locate the cleat onto the cleat holes and secure in place using the screws.

10. Bring the butt of the pole within close proximity of the foundation ground sleeve.

11. Walk the pole up to foundation, gently lifting it and sliding it into the ground sleeve. For safety reasons it is recommended that two people install a pole of 25 feet or taller.



12. Rotate the pole so that the cleat is turned to the preferred location. When inserted correctly the pole will be a loose fit within the ground sleeve allowing you to ensure the pole is vertical.

13. Slide the cedar shims between the pole and the ground sleeve, doubling them if necessary to keep them from dropping in the space. The shims can be used to plumb the pole by sliding opposite shims up or down. Use a level to plumb the pole. Be aware that since the pole is tapered the bubble will not indicate on center but should remain in the same relative position as it's placed against the pole on all sides.

Before You Dig...

- Read through these instructions and make sure that you have all the components and tools required for the installation.
- Select a location for your flagpole where it cannot be struck by lawnmowers, automobiles, bikes, etc.
- Avoid locations in the vicinity of power lines
- Check with your local municipality regarding height ordinances and for any underground gas or power lines. Many municipalities have a "Dig Safe" bureau that can provide you with this information.
- It is best to unwrap the pole as soon as possible after it's been delivered and kept straight and dry during storage.
- Do not attempt to climb flagpoles.
- Do not lean ladders against flagpoles.
- Do not allow children to operate a flagpole unattended.