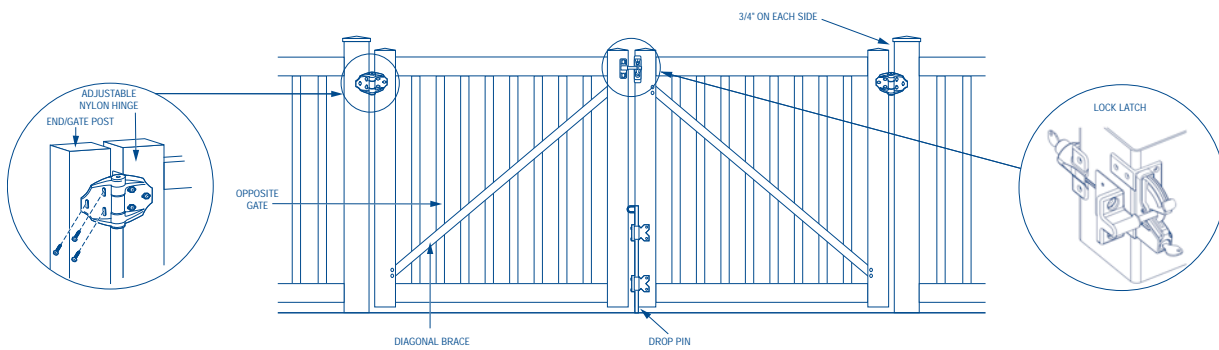
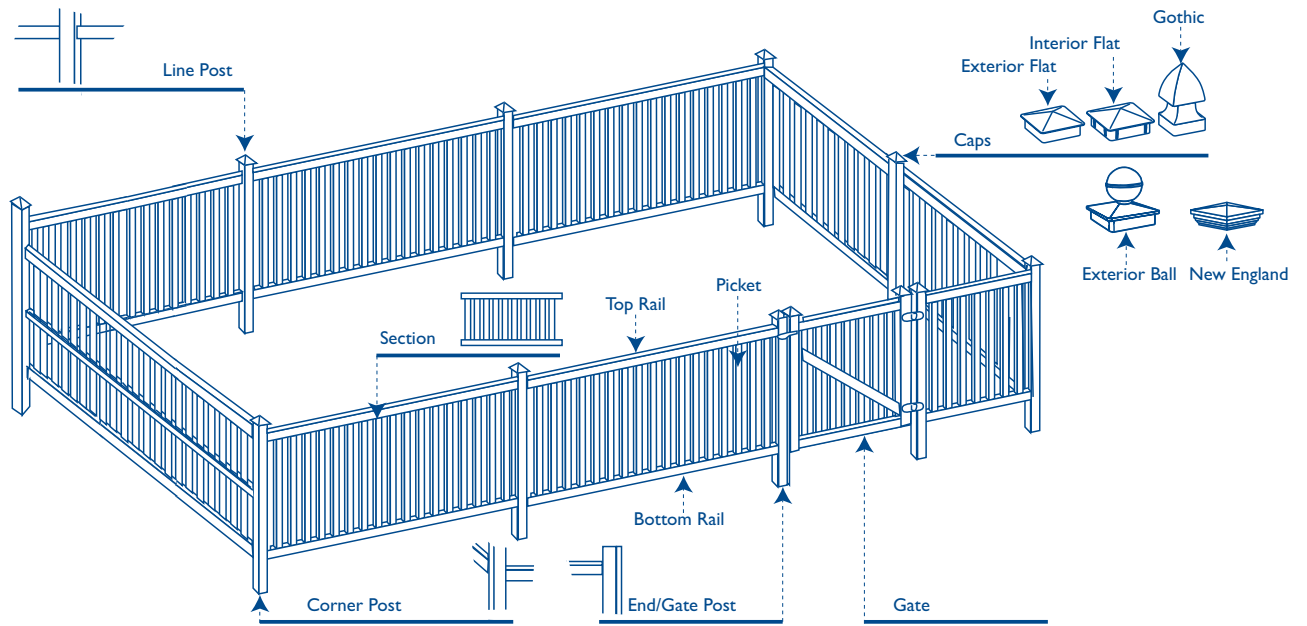


Fence System Components



Tools and Materials

Getting Started

- Site plans and permits
- Measuring tape
- Hammer
- Wooden stakes
- String line
- Spray paint for hole centers for post and gate spacing
- Wooden spacer bar for post and gate spacing

Assembling Fence/Gates

- Drop cloth
- Hacksaw, circular saw or chop saw with masonry blade
- Square
- Phillips #2 screwdriver
- Drill and drill bits
 - 1/8" for #8 screws
 - 1/4" for bullet clips and drain holes
 - 3/8" for lock rings
- 1/2" deep socket (or nut driver) for traditional picket

Digging Holes

- Post hole digging tools
 - Shovel
 - Post hole digger
 - 10" auger for 4x4 posts
 - 12" auger for 5x5 posts

Installing Post

- Wheelbarrow
- Concrete mixing tools
- Short length of wood, 2x4 for tamping concrete
- Garden hose
- Level
- Template kit with router
- Spiral saw

Installing Bottom Rail

- Leveling blocks
- Shim stock
- Duct tape to seal rail ends

Installing Gate(s)

- Wrench
 - 7/16" for hinge nuts
- Flat screwdriver to activate hinge spring

Filling Post with Concrete

- Rubber mallet to tamp post
- Funnel for filling post
- Ladder for high fences

Cleaning Up

- Scotch Brite-type pad
- Bucket and sponge

Additional Tools - Installing on Wood

- 2" hole saw
- 1/2" drill bit
- 3/4" wrench

Additional Tools - Installing on Concrete

- 1/2" masonry drill
- Core drill

Additional Tools - Wall Mount Brackets

- 1/4" masonry drill for brick
- 1/4" drill bit for wood pillar

Additional Tools - EZ Set Brackets

- 7/16" wrench

General Information

(Be sure to call underground prior to digging)

Concrete Requirements

All posts require concrete to be poured around the post base. All hinge, latch and end posts require concrete to fill the post inside, enough to cover the rebar and gate hardware (or insertion of the aluminum gate post stiffener). Concrete must be mixed prior to pouring in hole.

Concrete Usage for Posts				
Post Size	Fence Height	Line or Corner Posts	End Posts	Gate Posts
4x4	3'	100 lbs	145 lbs	160 lbs
4x4	4'	100 lbs	155 lbs	175 lbs
5x5	5'	140 lbs	235 lbs	270 lbs
5x5	6'	140 lbs	240 lbs	285 lbs
5x5	2 rail	140 lbs	210 lbs	240 lbs
5x5	3 rail	140 lbs	230 lbs	260 lbs
5x5	4 rail	140 lbs	250 lbs	280 lbs

Note: Determine total pounds of concrete required based on number of posts required. Divide by 60 or 80 lb. bag. Figures based on 4x4 hole=10", 5x5 hole=12", both 30" deep.

Solidify Posts

Gate hinge and latch posts as well as end posts can be solidified by using an aluminum gate post stiffener inside each post or by filling post with concrete and rebar.

Hinge and latch posts require 2 pieces of 1/2" rebar installed in opposing corners of the post. Length to extend from bottom of hole to 12" from top of post.

End posts require 2 pieces of 1/2" rebar installed in opposing corners of the post. Length to extend from bottom of hole to halfway up post.

Rebar Separator Clips (for use with rebar and concrete method)

Use 2 clips for each post. Position clips on the rebar 6" down from top and 6" up from bottom. Clips are located in socket gate hardware box.

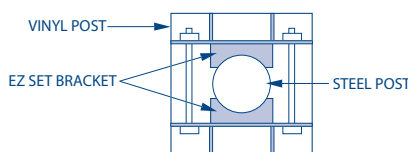
Alternative Fence Installations

For fence systems on concrete, use steel posts. On concrete applications fence may be installed with 1-5/8" (4x4 post) or 2" (5x5 post) galvanized steel post set in hydraulic cement. EZ Set bracket bolts to post as a spacer.

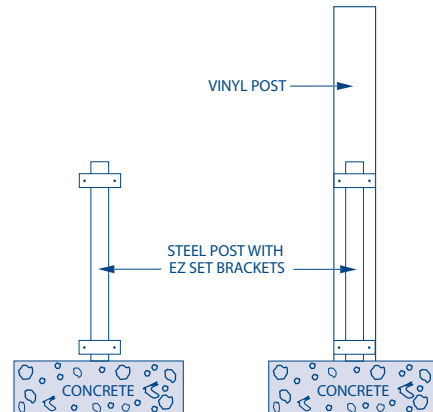
For wall mounting, use wall mount brackets.

EZ Set Bracket Installation Instructions on Concrete

- Core drill hole into concrete
- Minimum 4" deep
- Post centers will remain the same as normal installation
- Rails will have to be cut down to fit between steel post
- Fill hole with hydraulic cement. Insert steel post
 - For 4" vinyl post set 1 5/8" OD steel post
 - For 5" vinyl post set 2" OD steel post



- Steel post should go at least halfway up the vinyl post
- Put EZ Set brackets together and slide over steel post
- Place one steel bracket on steel post below where the routed hole will be on your vinyl post
- Place other bracket just below the top of your steel post
- Slide vinyl post over steel post with EZ Set brackets



Care of the Product

- Place vinyl fence components on a non-abrasive surface, such as a drop cloth, to avoid scratching
- Protect components during transportation to your installation site to avoid damage
- Avoid excessive force when assembling components
- Avoid overtightening screws
- Clean vinyl fence with mild detergent and a plastic scouring pad such as Scotch-Brite. For more stubborn stains, use a cleanser such as Soft-Scrub or cleaning solution listed on warranty
- Concrete is easily washed off when wet, but can also be removed when dry
- Avoid "soupy" concrete mix as it will make concrete weak

Gates

- Specific gate hardware instructions included with individual components
- Gate(s) must be assembled prior to fence to accurately establish space between hinge and latch posts and height of fence
- Use extreme care when applying PVC cement as it dries quickly
- Gate requires 2" clearance under bottom rail on level ground
- When building gates in the field, ensure that 1/4" drain holes are drilled in bottom rail
- Diagonal gate bracing should always run from latch down to bottom hinge
- Determine gate swing direction to assist in ground clearance and positioning
- Steel channel not required in bottom rail of gate