ALEKO

hello@aleko.com
(833) 926-2323

Single Swing
Gate Installation Guide

For All 14’ Gate Styles



Contents

Disclaimer.....1
Safety Information.....2
Specifications.....3
Parts List.....5
Tools & Materials Needed.....6
Important Installation & Safety Notes.....6
Installation.....7
Maintenance Tips.....12

Disclaimer

User Responsibility

It is the responsibility of the owner and/or installer to ensure that all applicable local codes, regulations, and safety standards are strictly followed. Failure to do so may result in property damage, personal injury, or voiding of warranty.

Warranty Exclusions

This product is covered by a 10 year limited warranty, including normal wear and tear under standard use. However, the warranty does not cover damages resulting from improper installation, unauthorized modifications, accidents (such as impact from vehicles), or damage caused by severe weather events (including high winds, floods, or storms).

Safety Disclaimer

Always use proper safety equipment and precautions when handling, assembling, and operating this product. This product is designed for use only as a driveway gate. Misuse or modification of this product may result in serious injury or damage and will void all warranties.

Limitation of Liability

Under no circumstances shall the manufacturer or seller be liable for any indirect, incidental, or consequential damages arising from the installation or use of this product. The maximum liability shall not exceed the purchase price of the product.

Right to Revise

The manufacturer reserves the right to revise this manual and to make changes to the product and/or specifications at any time without notice or obligation.

Safety Information

Protective Gear

Always wear appropriate personal protective equipment (PPE) such as gloves, safety glasses, and sturdy footwear when handling or installing the gate.

Number of Installers

Do not attempt installation or adjustments alone; use at least two people to safely lift and position the gate.

Alterations

Do not alter the gate structure or hardware. Unauthorized modifications can compromise safety and void the warranty.

Moving Parts

Keep hands, clothing, and objects clear of pinch points and moving parts.

Children

Never allow children to play on or near the gate.

Location

Ensure the work area is clear of obstacles and hazards before starting installation.

Installation Depth

Install posts deep enough and properly anchored in concrete to support the weight and operation of the gate.

Inspection

Inspect the gate and hardware regularly for signs of wear, damage, or loose components.

Gate Openers

If installing an automatic gate opener, follow the opener manufacturer's safety instructions and ensure all sensors and safety devices are correctly installed.

Weather

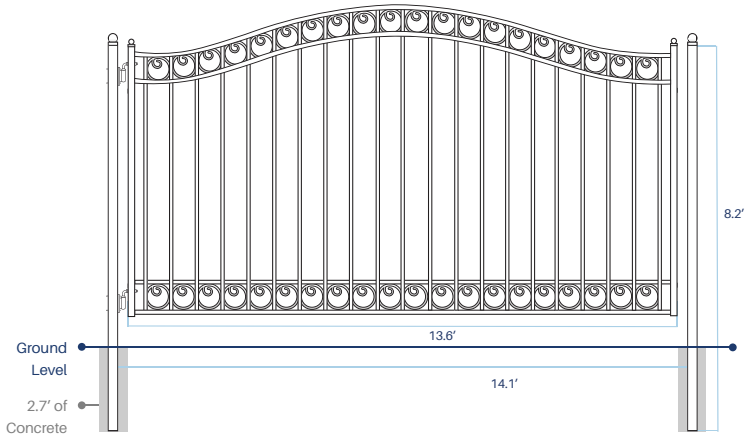
In case of high winds or storms, secure the gate in the closed position to prevent damage.

Call Before You Dig

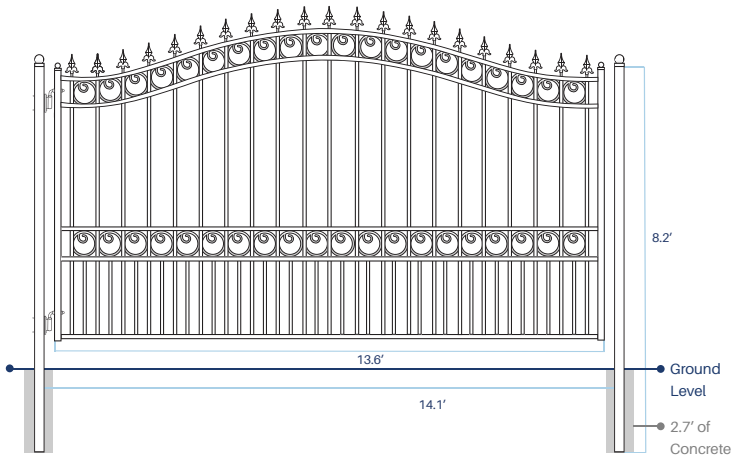
Before digging for gate posts or any related construction, **call 811** (or your local utility locating service) at least a few days in advance. This free service will mark underground utility lines to help you avoid dangerous and costly accidents.

Specifications

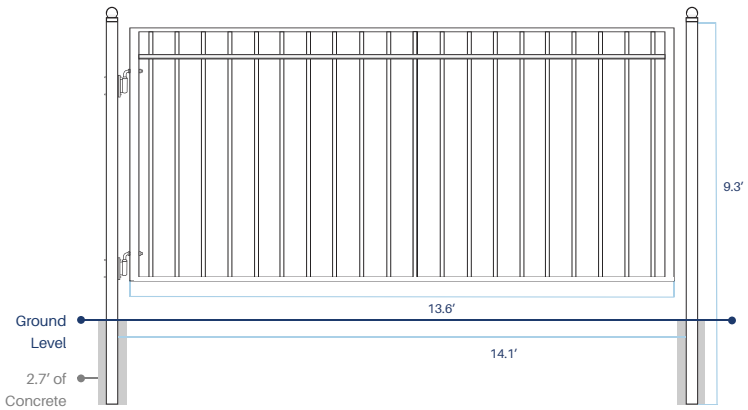
Dublin Single Swing Gate



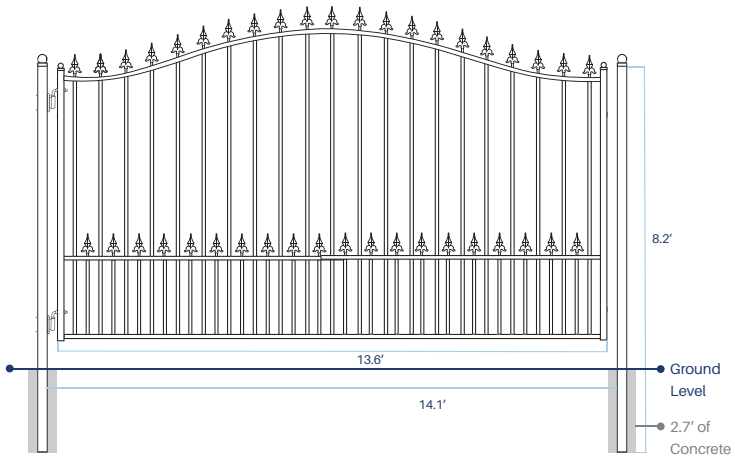
London Single Swing Gate



Madrid Single Swing Gate

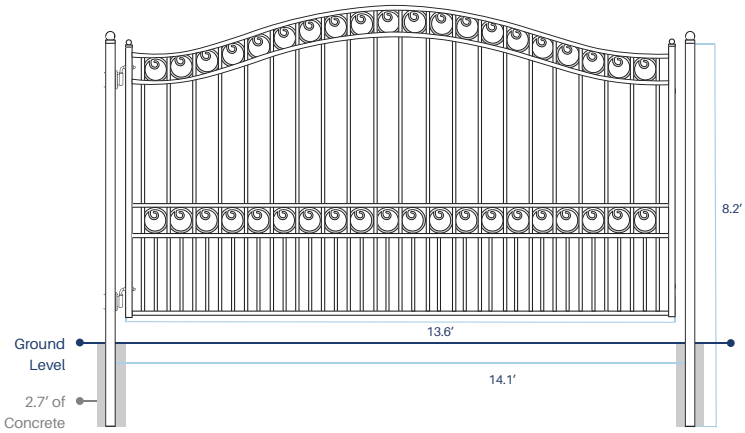


Munich Single Swing Gate

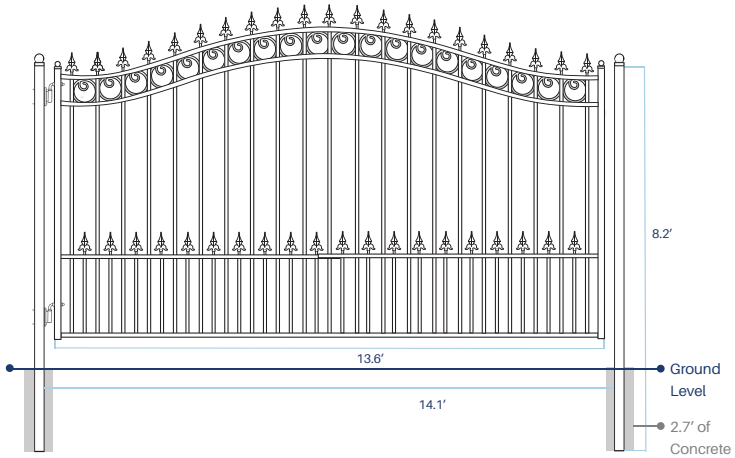


Specifications

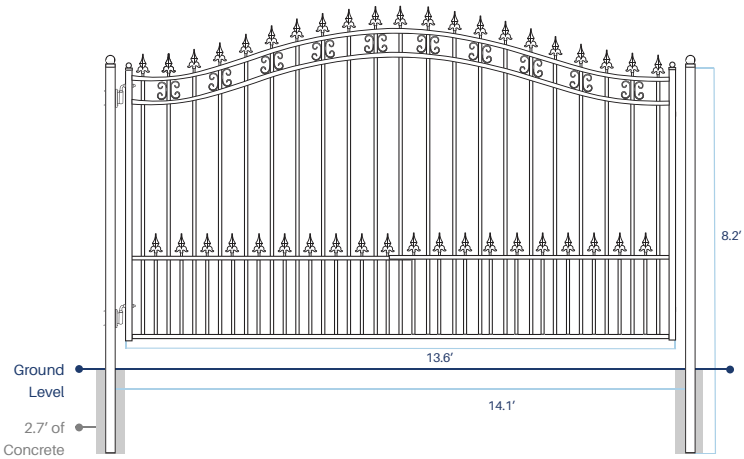
Paris Single Swing Gate



Prague Single Swing Gate



St. Louis Single Swing Gate

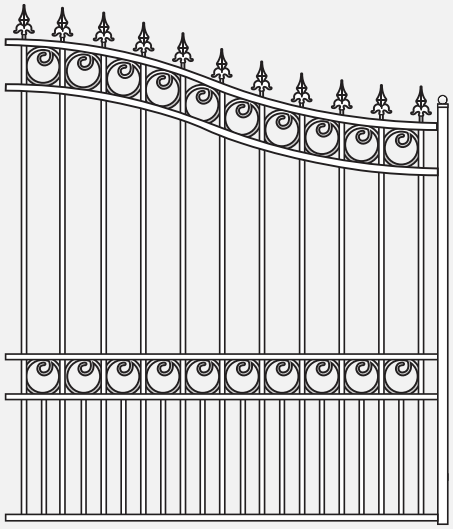


Explore Gate Accessories

Visit aleko.com

Automatic Gate Openers
Gate Opener Accessories
Electric Locks
Drop Rod Locks
Steel Gate Latches
Security Cameras
Pedestrian Gates
Custom Gates
Fencing

Parts List



2 Gate Panels (Look Varies Based on Gate Model)



Gate Posts (2)



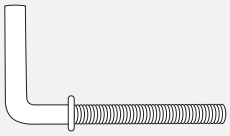
M12x120mm Bolts (4)



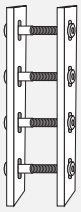
Flange Nuts (8)



30x3mm Washers (4)



LM114 5/8" Regular J-Bolt (2)



3-5 LM111 Connectors
(# Varies by Gate Style & Size)



Post Hinge (2)



Post Caps (2)

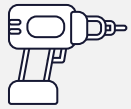
Enhance Your Gate with an Automatic Opener

Make your driveway gate even more convenient and secure by adding an automatic gate opener.

We offer a range of openers designed to pair perfectly with your gate, giving you easy remote access and reliable operation.

Visit aleko.com to explore options and find the right opener for your gate.

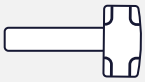
Tools & Materials Needed



Drill



Line Level



Rubber Mallet or Hammer



Tape Measure



White Spray Paint



Shovel



Auger or Post Hole Digger



Protective Gear



Wooden Stakes (2)



40-60 lb of Quick Set Concrete



String (20-30 ft)



Wrench 3/4″ & 1/2″



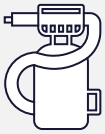
Water Bucket



Wheelbarrow & Hoe



Box Beam Level 24″ minimum



Grease Gun

Important Safety & Installation Notes

Use at least two people to lift and install the gate — serious injury can occur if handled alone.

Wear gloves, sturdy shoes, and eye protection.

Keep children and pets always clear of the work area.

Check with your local building department to see if a permit is required.

Call 811 before you dig to locate underground utilities.

Install Gate Posts

Step 1: Mark Post Locations

Using a tape measure, measure and mark the gate post locations on the ground with white spray paint according to the spacing table and diagram provided.

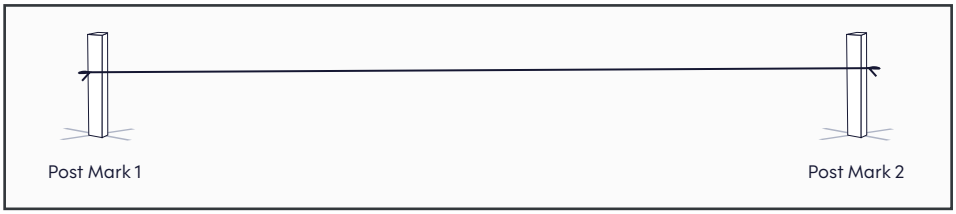
For improved accuracy, use wooden stakes to temporarily mark these points.



Step 2: Set Up String Line

Tie the string tightly between the two post locations or stakes to create a reference line.

Use the line level on the string to ensure it is perfectly level between the two points. Adjust the string height as needed.

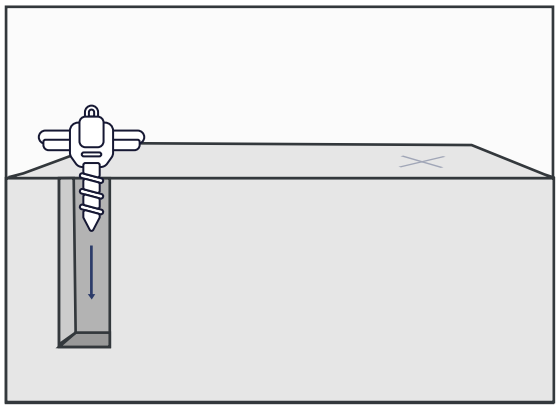


Step 3: Dig Post Holes

Using a shovel and post hole digger, dig 12”x12” holes at the marked locations.

Holes should be 36 inches deep (or as required by local code) to provide stable support for the gate posts.

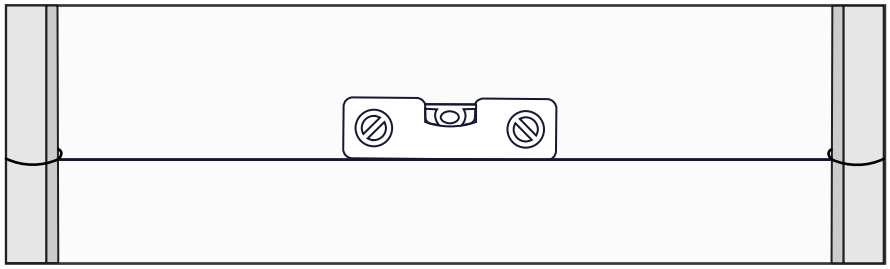
Ensure holes are wide enough to accommodate the posts and concrete.



Step 4: Place Posts and Check Alignment

Place each post into its hole. Use the box beam level to check that each post is plumb (vertically straight).

Measure the distance between posts to confirm it matches the required spacing (refer to the table on page 3). Use the string line as a visual guide to keep posts aligned with each other.



Step 5: Adjust Post Height

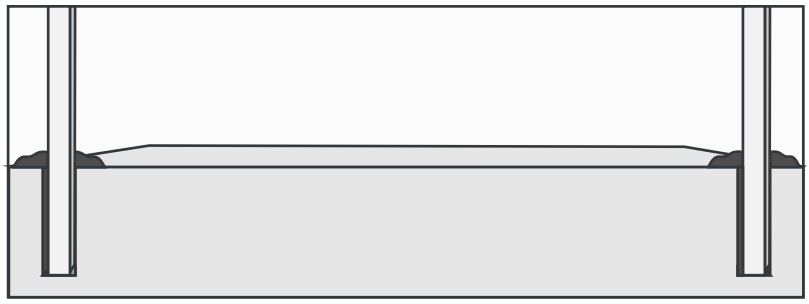
Adjust the post height so the bottom of the gate will be at the correct clearance height.

To raise a post, add firm material such as gravel or compacted soil beneath it.
To lower a post, use a rubber mallet or hammer to gently tap the post downward.
Re-check the level and spacing after adjustments.

Step 6: Mix and Pour Concrete

Prepare the concrete mix according to the manufacturer's instructions using a wheelbarrow, hoe, and water bucket.

Carefully pour the mixed concrete into the post holes around each post. Avoid disturbing or moving the posts while pouring.



Use a shovel or stick to tamp down the concrete and remove any air pockets.
Double-check that each post remains plumb and properly aligned during this process.

Once the concrete is poured, allow it to set and cure undisturbed for 3 to 4 days before proceeding with further installation steps.

Install Gate Panels

Important Note

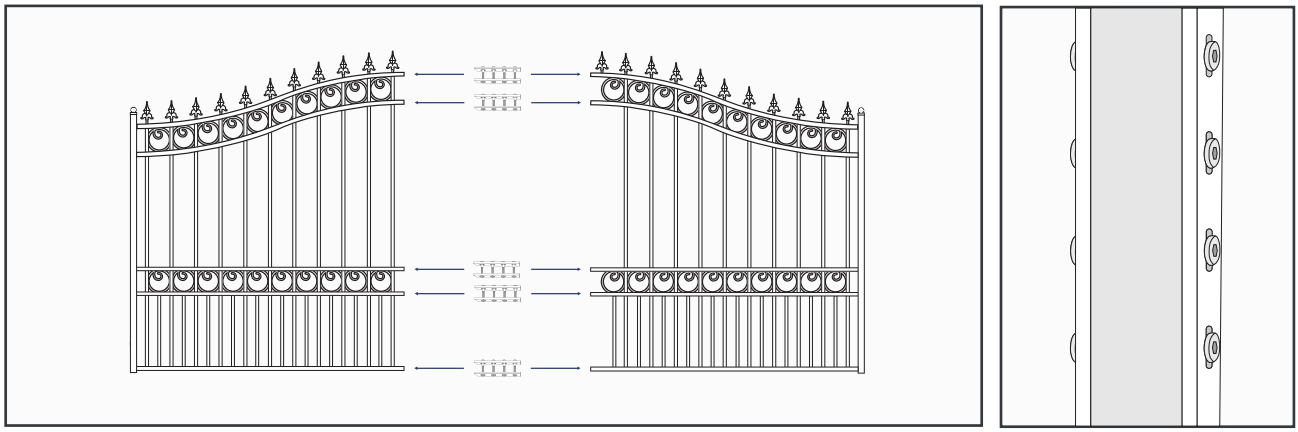
Do not begin installing the gate until the concrete for the posts has fully cured.

Allow at least 3–4 days (or longer in cold or damp conditions) for the concrete to harden completely. Installing the gate too soon can cause the posts to shift or lean, leading to misalignment and long-term structural issues.

Before proceeding, double-check that both posts are still plumb and properly aligned using your level. If any adjustments are needed, correct them now before hanging the gate.

Step 1: Connect Gate Panels

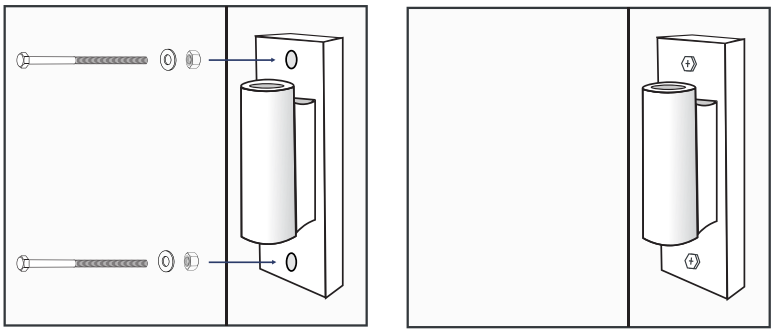
Use all LM111 Connectors to join the 2 Gate Panels together. Tighten bolts to secure.
Note: The number and placement of Connectors and will vary by gate style and size.



Step 2: Attach Hinges to Posts

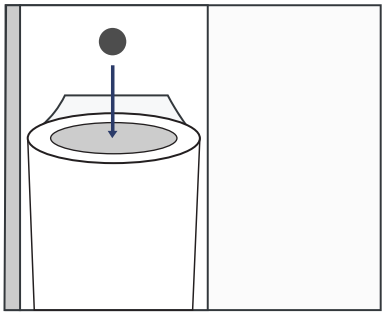
Secure the two hinges to the gate post using the provided M12 bolts, nuts, and washers.

Tighten firmly, but allow slight movement for final adjustment.



Step 3: Prepare the Hinges

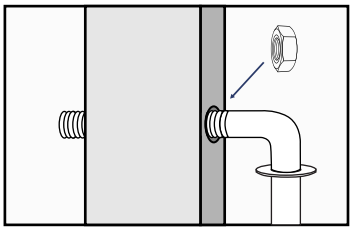
Drop a steel ball into the bottom of each hinge barrel on the gate post.

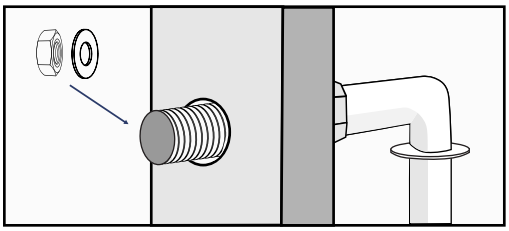


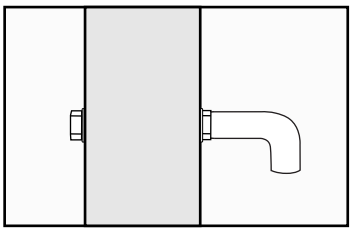
Step 4: Install J-Bolts on Gate Panels

Screw one M16 nut onto each J-bolt, moving it as far as the threads go.

Insert the long threaded end of each J-bolt through the holes in the gate frame.
On the inside of the gate panel, add another washer and M16 nut to each J-bolt.



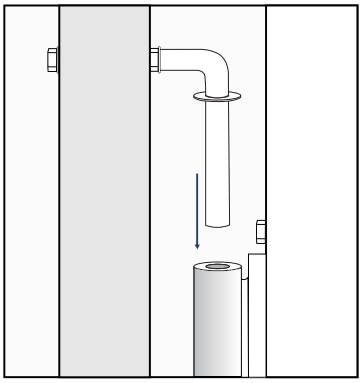


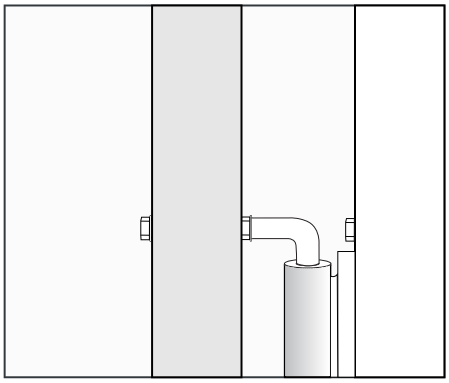


Step 5: Hang the Gate

With assistance, carefully lift the gate panel and lower the curved ends of the J-bolts into the hinge barrels on the posts, resting on the steel balls inside.

Ensure each J-bolt is fully seated in its hinge.





Step 6: Align & Tighten

Check that the gate is level and plumb using your box beam level.

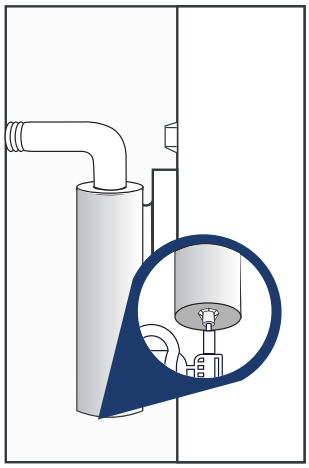
Adjust the M16 nuts on the J-bolts to fine-tune spacing and alignment.

Once properly aligned, tighten all nuts securely.

Step 7: Lubricate Hinges

Use a grease gun to fill each hinge barrel through the fitting at the bottom.

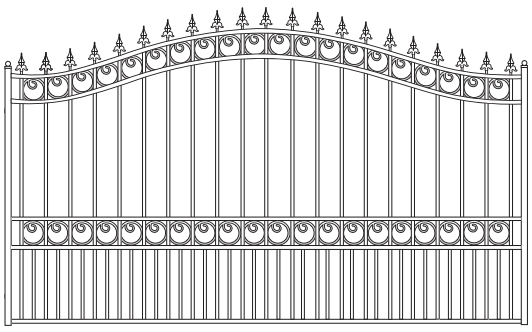
Continue pumping grease until it begins to appear at the top of the hinge barrel.



Step 8: Test Operation

Swing the gate open and closed several times to ensure it moves smoothly and is stable.

Make minor adjustments to the nuts if needed to improve operation.



*Look Varies Based on Gate Model

Tip: It's helpful to have a second person support the gate during this process to prevent strain on the hinges and make alignment easier.

Maintenance Tips

Lubricate Your Hinges

Use a grease gun to add fresh grease to the hinge barrels every 6 months, or more frequently in harsh weather conditions. Look for grease exiting the top of the hinge to know it's full.

Inspect Hardware

Periodically check all bolts and nuts on the hinges and latch to ensure they remain tight and secure. Tighten as needed.

Keep the Area Clear

Remove dirt, leaves, and debris that may collect around the gate posts or at the bottom of the gate to prevent moisture buildup and rust.

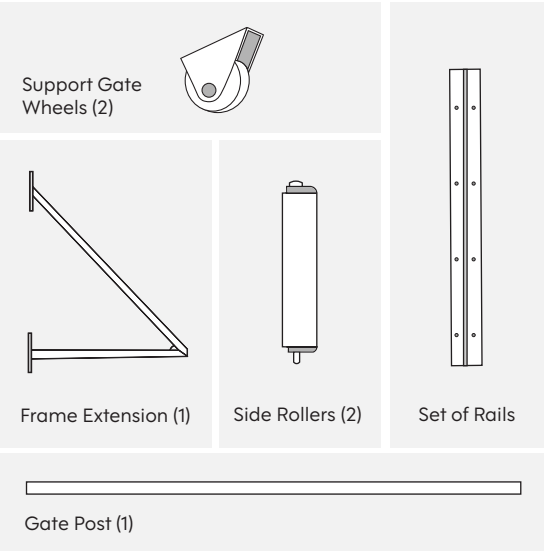
Clean as Needed

Wash your galvanized steel gate occasionally with mild soap and water to keep it looking its best. Avoid harsh chemicals that could damage the protective zinc coating.

Check Alignment

If your gate starts to sag or becomes misaligned over time, adjust the nuts on the J-bolts to re-level it.

Sliding Gate Kits



Convert Your Gate

Turn your single swing gate into a sliding gate with our Sliding Gate Kits and an extra gate post.

ALEKO

hello@aleko.com
(833) 926-2323