

INSTALLATION MANUAL

FENCE, GATES & HARDWARE

Everything you need to unload, lay out, and install Kuptz Steel Fence — posts, rails, gates, latches, and accessories.

BEFORE YOU START

THANK YOU FOR YOUR PURCHASE

This manual walks you through the installation of Kuptz Steel Fence and all of its accessories, in the order you will need them on the jobsite. Read the section for each component before you begin that step.

Do not hesitate to email us at cservice@kuptzsteelfence.com if you have any questions about installation. We would rather answer a question now than have a fence set wrong.

CHECK FIRST

Before you begin installation, check all local codes and permit requirements. Contact your local utility companies to check for underground services — electrical, plumbing, or sewer — anywhere you plan to dig or drive posts.

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SECTION 01

UNLOADING PALLETS

Proper unloading of your Kuptz Steel Fence shipment.

Kuptz posts and rails are packed into steel pallets with cardboard covers and band strapping. Each post and rail comes individually wrapped for added protection.

Kuptz ships in both covered semi trailers and open-top conestoga trailers. You have **two hours of free unloading time** and will be charged per hour beyond that limit.

STANDARD RAIL PALLET

2,500 lbs / 1,100 kg

HEAVY RAIL PALLET

3,200 lbs / 1,500 kg

STANDARD POST PALLET

2,750 lbs / 1,250 kg

REQUIRED EQUIPMENT

- 1 Tractor, fork truck, or skid steer rated for 5,000+ lbs / 2,500+ kg, with forks at least 48" / 1.25 m long for picking pallets up from the side, or 72" / 1.9 m from the end.
- 2 55' / 20 m of heavy duty nylon strapping with a load capacity of 10,000+ lbs / 4,500+ kg.

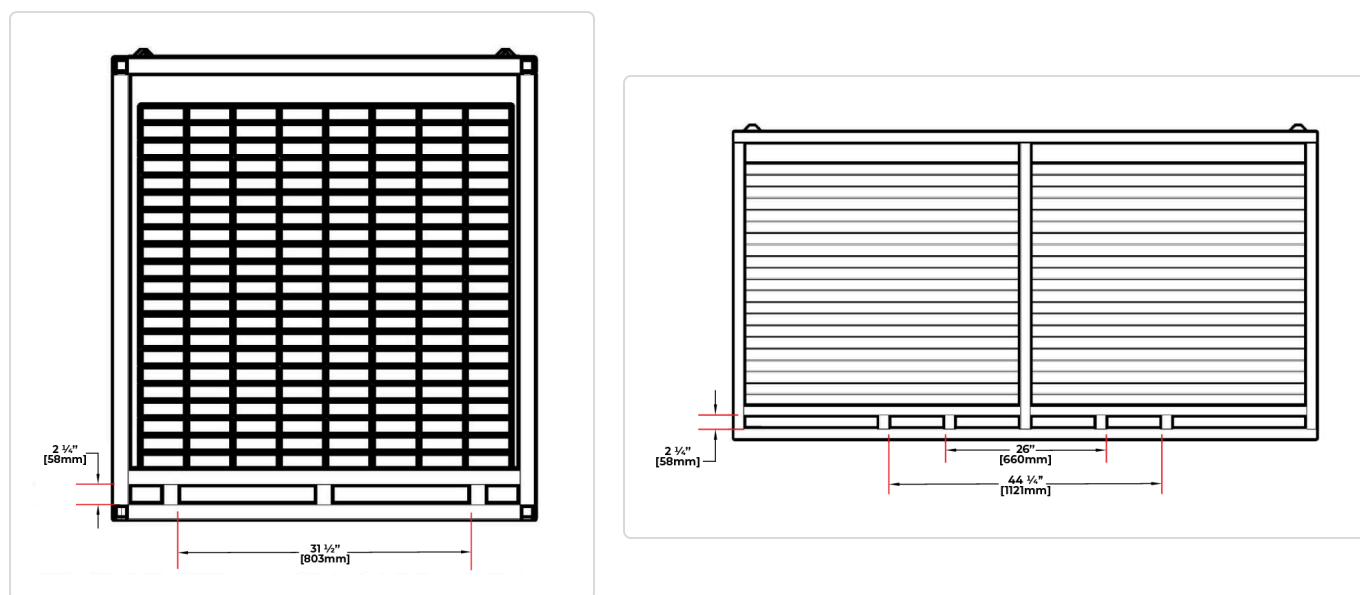


FIG. 1.1 – STEEL PALLET, END AND SIDE VIEWS. FORK POINTS ARE THE OPENINGS ALONG THE PALLET BASE.

UNLOADING FROM A FLATBED TRAILER

- 1 Make sure the trailer has space to park on level ground. If the ground is not level, move the trailer onto ramps or to a flatter location before unloading.
- 2 Coming from the side of the truck, insert the forks into the fork points and remove pallets one at a time. Forks must be at least 48" / 1.25 m long to pick up from the side.
- 3 Pallets may be stacked two high at the jobsite if the surface is solid and level.

WARNING

No person should be on the trailer while unloading pallets. This may cause serious injury or death.

UNLOADING FROM A COVERED SEMI TRAILER

- 1 Make sure the trailer has space to park on level ground. If the ground is not level, move the trailer onto ramps or to a flatter location before unloading.
- 2 Crates are stacked two high and should only be pulled one stack — two pallets — at a time. Loop the nylon strapping around the bottom of the lower pallet at the far side fork points so you can pull it to the end of the trailer.
- 3 Loop the nylon strap around the forks and make sure it is securely fastened. Slowly reverse the forklift directly backward to pull the pallets to the end of the trailer.
- 4 Insert the forks into the fork points and remove pallets one at a time. Sideways pallets need forks of at least 48" / 1.25 m; lengthwise pallets need at least 72" / 1.9 m. Pallets may be stacked two high at the jobsite on solid, level surfaces.

WARNING

Use nylon strapping only — never steel chains — so a breakage during pulling stays safe.

No person should be in the trailer while sliding or unloading pallets. This may cause serious injury or death.

If you have any questions about unloading, just email us at cservice@kuptzsteelfence.com.

SECTION 02

POST & RAIL DIMENSIONS

RAIL SIZE

5" × 2" × 94"

127 × 49 × 2387.6 mm

POST SIZE

5" × 3½" × 93"

127 × 89 × 2362.2 mm

POST SPACING

96" center to center

2.438 m · 91" / 2.311 m face to face

TOLERANCE

Post center to post center should be accurate to within ½" / 1.25 cm.

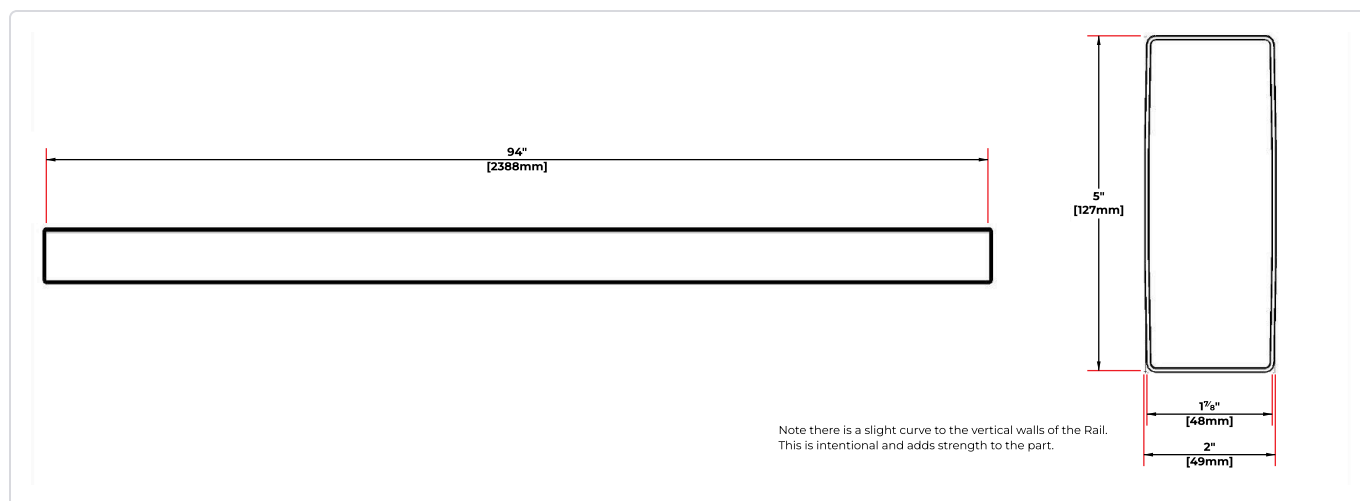


FIG. 2.1 – RAIL, SIDE AND SECTION VIEWS. THE SLIGHT CURVE IN THE RAIL'S VERTICAL WALLS IS INTENTIONAL AND ADDS STRENGTH.

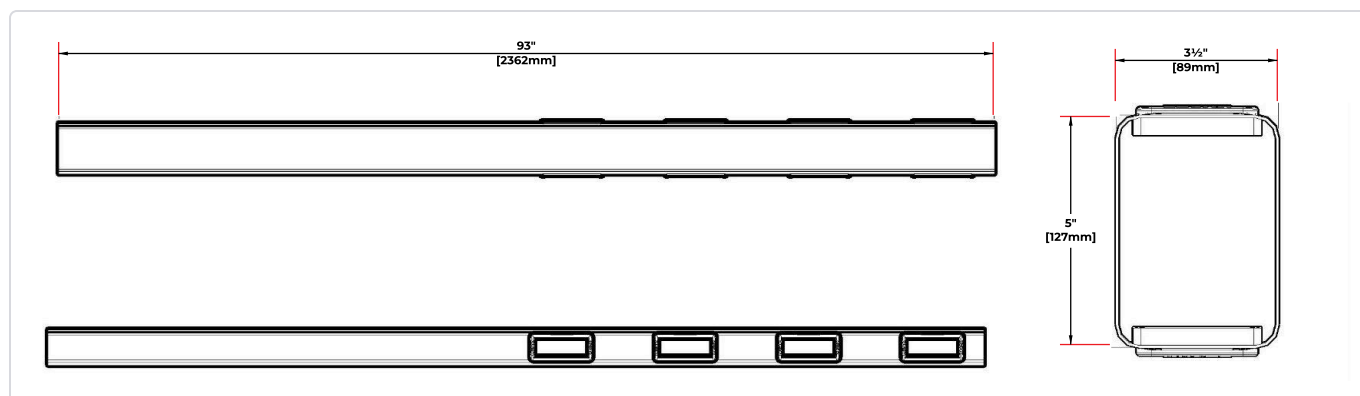
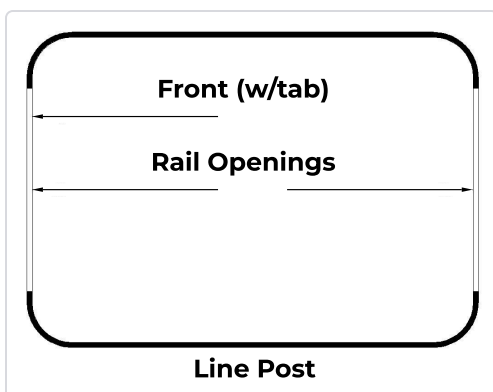


FIG. 2.2 – POST, SIDE AND SECTION VIEWS WITH RAIL OPENINGS.

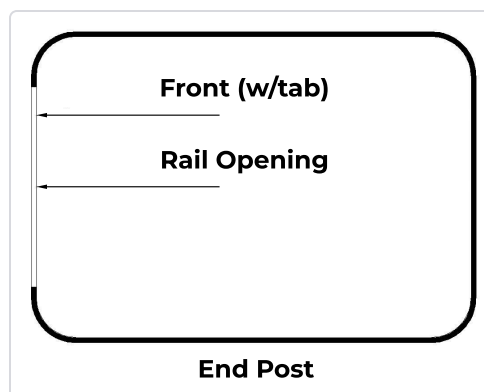
SECTION 03

POST TYPES

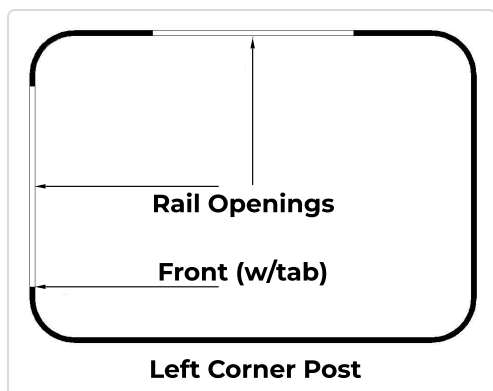
Five post types, shown from above. Arrows mark the rail openings and the front face carrying the tab.



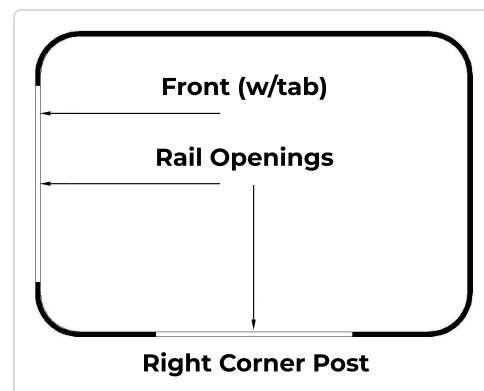
LINE POST – RAIL OPENINGS ON BOTH FACES



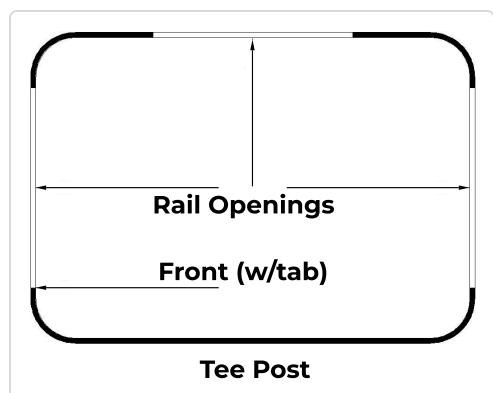
END POST – SINGLE RAIL OPENING; CARRIES GATES



LEFT CORNER POST



RIGHT CORNER POST



TEE POST – THREE RAIL OPENINGS

NOTE

Any End Post that supports a gate, plus all Tee Posts and Corner Posts, should be concreted in place — even when Line Posts are driven into the ground.

SECTION 04

FENCE DIMENSIONS

2-rail, 3-rail, and 4-rail configurations.

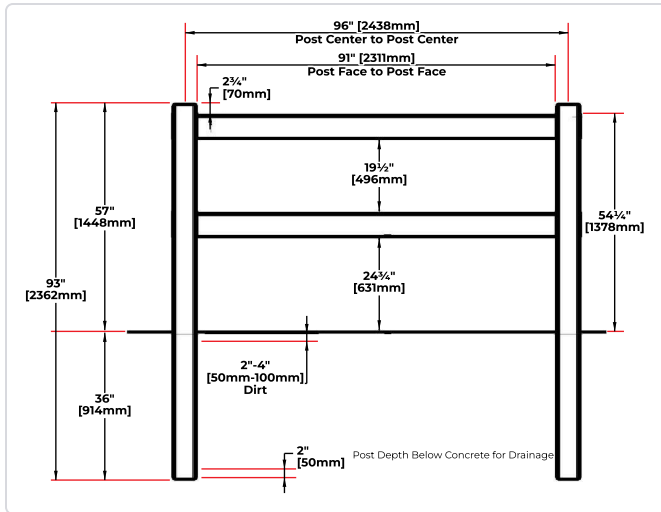


FIG. 4.1 – 2 RAIL DIMENSIONS

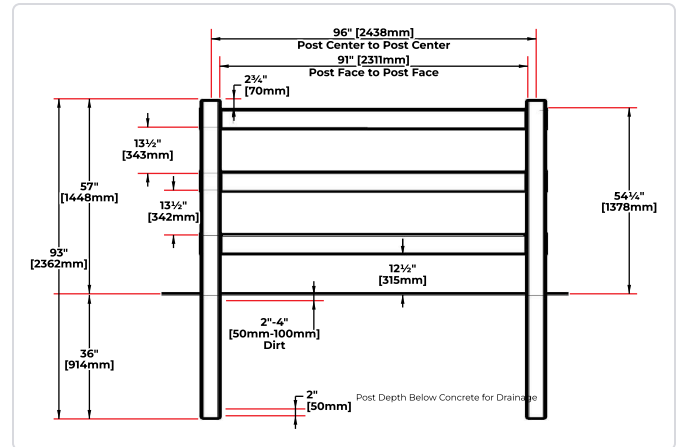


FIG. 4.2 – 3 RAIL DIMENSIONS

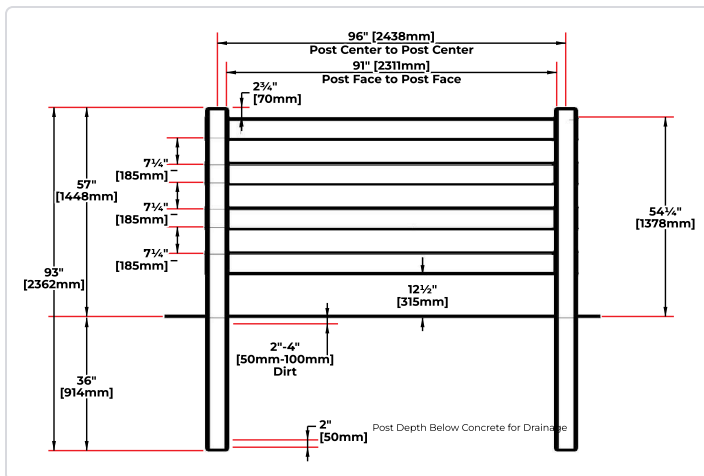


FIG. 4.3 – 4 RAIL DIMENSIONS

SECTION 05

GATE DIMENSIONS

Single gate openings, measured post center to post center.

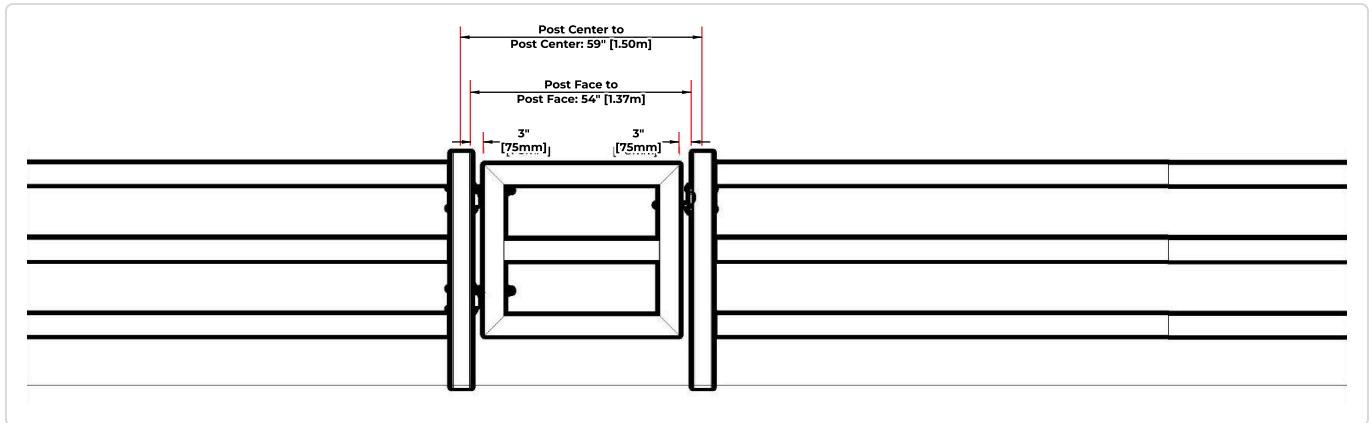


FIG. 5.1 – 4' GATE

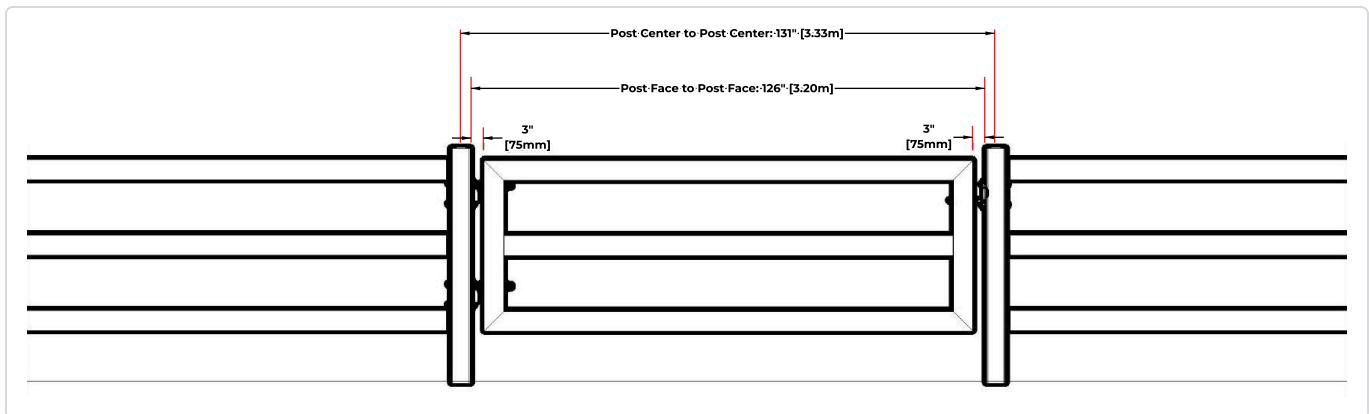


FIG. 5.2 – 10' GATE

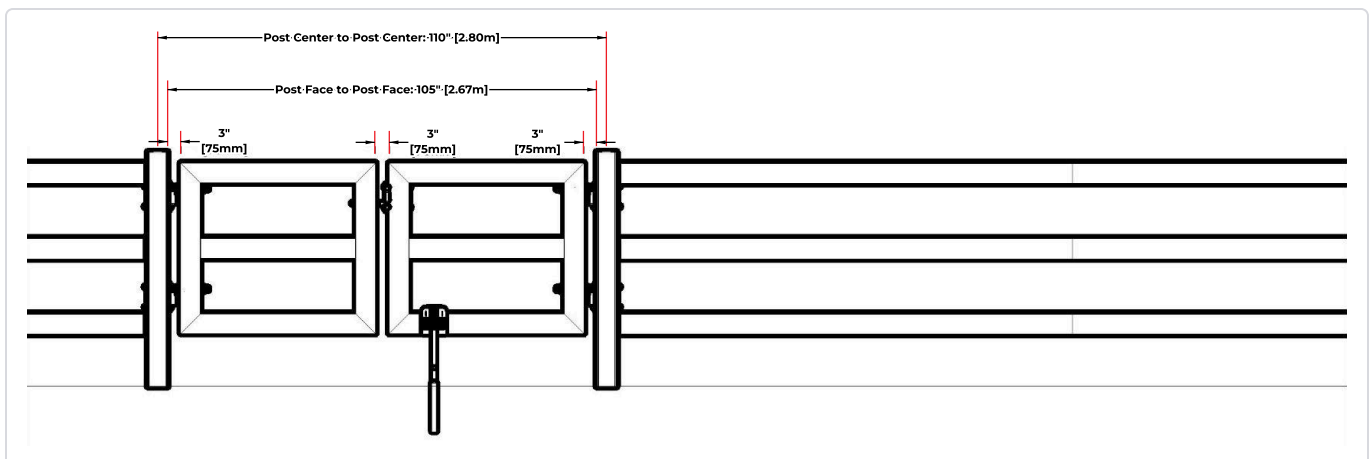


FIG. 5.3 – DUAL 4' GATES

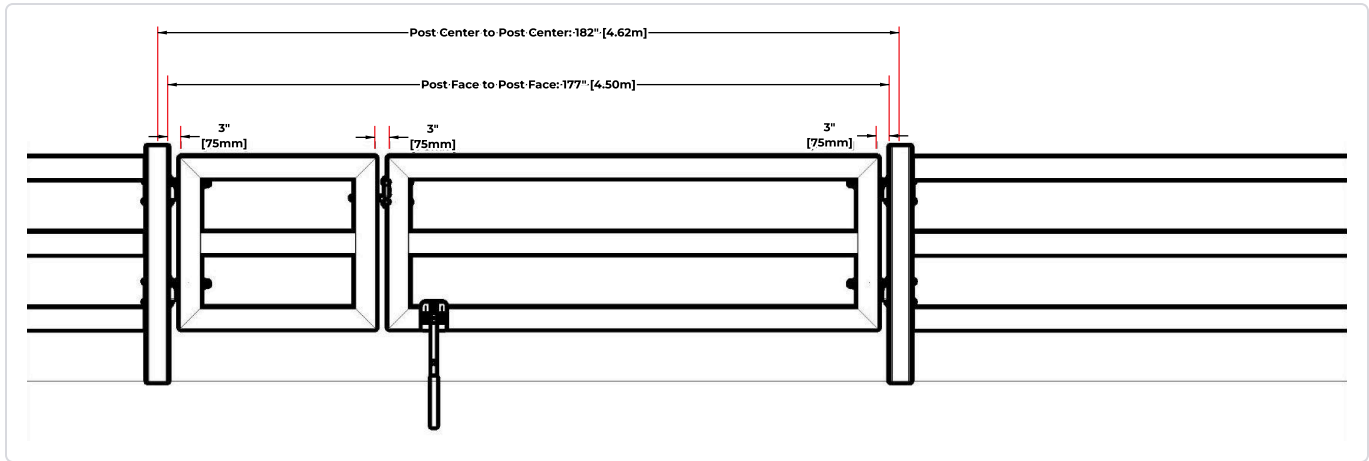


FIG. 5.4 – DUAL 4' / 10' GATES

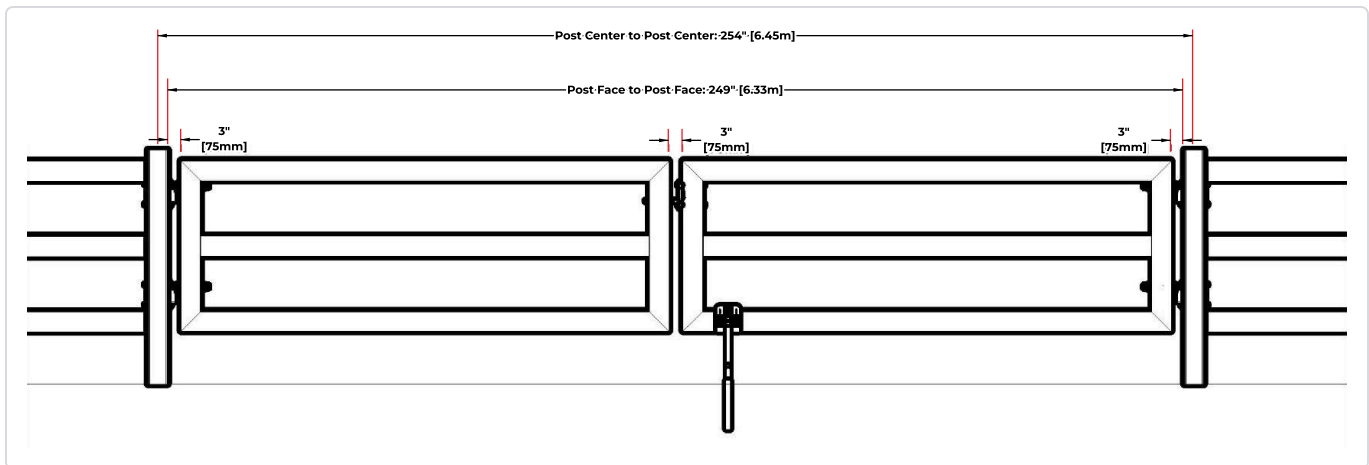


FIG. 5.5 – DUAL 10' GATES

DROP ANCHOR

The Kuptz Drop Anchor Kit clamps onto your gate, and the Drop Anchor fits into the Ground Tube. See Section 10 for installation, [page 23](#).

SECTION 06

FENCE INSTALLATION

Setting posts, driving posts, inserting rails and rail locks, mounting post caps.

Kuptz Fence components include Posts, Rails, Rail Locks, and Post Caps. Posts have pre-cut rail openings lined with rubber grommets.

Each post is 93" long and has a tab cut 18" from the bottom that helps lock the post into concrete footings. **If a post must be shortened, trim it from the bottom, not the top.**

Rails are 94" long and allow 22.5° of articulation in all directions — enough for hilly terrain, round corrals, and elegant curves. Rail Locks are inserted into each post after the rails are installed to lock the rails in place. Refer to Section 04 for dimensions and specifications.

REQUIRED EQUIPMENT

9" / 230 mm auger capable of 36" / 915 mm depth	Level
Concrete — approx. 80 lbs / 35 kg per hole	String and stakes
Gravel or rock for drainage — approx. 10 lbs / 4.5 kg per hole	Rubber mallet
Metal cutting saw, if trimming posts or rails	Hand towel
Tape measure and/or a board cut to 91" / 2311 mm as a spacing gauge	Cold galvanizing pen
	Marking paint

Driving posts with a machine-mounted post driver also requires a post driving machine capable of driving 7"+ / 180+ mm posts, and a Kuptz Driving Arbor.

SETTING GATE POSTS

- 1** Gate placement is the most important location in any fence, so set the End Posts that carry the gates first and reference all other measurements from them. Gate, Tee, and Corner Posts should always be concreted, even if Line Posts are driven.
- 2** Plan the rest of the layout by marking all posts, to avoid cutting rails and short sections.
- 3** Using the auger, dig a hole at least 9" / 230 mm in diameter and 36" deep at the location of your first gate.
- 4** Bend the tab out at the bottom of the End Post and place the post in the hole.
- 5** Set the top of the End Post 57" / 1.45 m above ground level, then pour 10 lbs / 4.5 kg of gravel into the hole around the post for drainage.
- 6** Pour mixed concrete to 2–4" / 50–100 mm below ground level — dry mix flooded with water sets much weaker. Level the post plumb and square. Once set, fill the rest of the hole with dirt.
- 7** Install subsequent posts the same way, or drive them (see next page). Do not install gates or gate hardware until the concrete is set.

SETTING LINE AND END POSTS

- 1** Working from the Gate Posts, mark all remaining post locations. Run a taut string between corner and gate posts as the reference height for the posts in between — the fence line should read straight with gradual undulations matching the terrain.
- 2** If concreting posts, dig a hole at least 9" / 230 mm in diameter and 36" deep at each post location. If driving Line Posts, see the next page.
- 3** Bend the tab out at the bottom of the post and place it in the hole.
- 4** Bring the top of the post to the string from step 1 (approx. 57" / 1.45 m above ground), then pour 10 lbs / 4.5 kg of gravel into the hole around the post for drainage.
- 5** Pour mixed concrete to 2–4" / 50–100 mm below ground level, as in step 6 above. Level the post plumb and square.
- 6** Repeat steps 2–5 for subsequent posts.

FIELD NOTES

Keep post spacing correct. Posts spaced too far apart can let rails fall out over time. Where posts are too close together, rails may be cut and their ends sealed with cold galvanizing spray. A wooden spacer cut to 91" / 2311 mm makes a reliable gauge.

If you hit rock, posts may be trimmed from the bottom for a shallower depth. Spray any cut end with cold galvanizing spray, dig the hole around the rock, and let the concrete lock itself onto the rock as it sets.

On steep slopes, rails may need to be cut at an angle. Over 12.5° or 1.5:12, move posts 4" / 100 mm closer together to accommodate the angle cut. Kuptz Fence is not designed for terrain steeper than 22.5° (2.75:12).

DRIVING POSTS

In soft or loamy soils, posts may be driven without concrete. Compacted clay, rocky soil, hardpan, or high bedrock may make a site unsuitable for driving. Sandy or soft soils may need concrete to keep posts from shifting.

- 1** Once Gate, Tee, and Corner Posts are set in concrete, additional posts may be driven. Run an alignment string between the corner and gate posts and prepare the post driver.
- 2** Install the Driving Arbor on top of the post. It should sit all the way down onto the post; it protects the post top from damage while driving.
- 3** Set the post 8' / 2.44 m from the next post, confirm it is plumb in all directions, and follow the post driver's own instructions for safe use.
- 4** Drive the post until its top is 57" / 1.45 m above ground level, or at the height set by the reference string.

INSERTING THE RAILS AND RAIL LOCKS

- 1** Install rails only after all posts are set and the concrete has cured at least 24 hours.
- 2** Confirm every rubber grommet is properly seated in each rail opening before installing any rail. Dampen the grommets with a wet cloth to ease insertion.
- 3** Starting at a Gate or Corner Post, insert one end of the rail into the top rail opening. Swing the rail into position, insert the other end into the opening on the next post, and push until the rail is seated in both posts.
- 4** Repeat for the middle rail(s) and the bottom rail in that section.
- 5** Insert the Rail Lock into the top of the Gate or Corner Post and push down until the plastic at the top of the Rail Lock rests against the top grommet. Rails may need to be shifted back and forth for the Rail Lock to seat fully.
- 6** Repeat steps 3–5 for each section of the fence.

CUTTING RAILS

Shortened sections require cut rails. Measure the distance between posts, add 3.5" / 89 mm, and cut to that length. Apply cold galvanizing spray and touch-up paint to the cut ends to resist corrosion, then insert as above.

Insert all Rail Locks before any gate hardware is installed.

MOUNTING THE POST CAPS

- 1** With post, rails, and Rail Locks installed, place the post cap on top of the post and lay a towel over it. Make sure it rests squarely, then pound down gently with a rubber mallet until it is firmly seated.
- 2** Continue down the fenceline, installing a post cap on each post.

BEFORE ANIMALS RETURN

We recommend waiting three days for the concrete to cure before reintroducing animals to the fenced area.

SECTION 07

GATE INSTALLATION

Drilling hinge holes, installing hinges and J-bolts, hanging and aligning the gate.

REQUIRED EQUIPMENT

Drill

7/16" / 11 mm metal drill bit

Two 17 mm wrenches or Crescent wrenches

Center punch

Level and square

Tape measure

Pencil or oil marker

DRILLING HINGE HOLES

If you are installing your gate on End Posts or Blank Posts, pilot holes are pre-drilled for you.

- 1 Drill each hole through one side of the post only. Never attempt to drill through both sides of the post at once.
- 2 Apply cold galvanizing and touch-up paint to the exposed metal so it stays protected against rust.
- 3 Repeat for all holes needed.

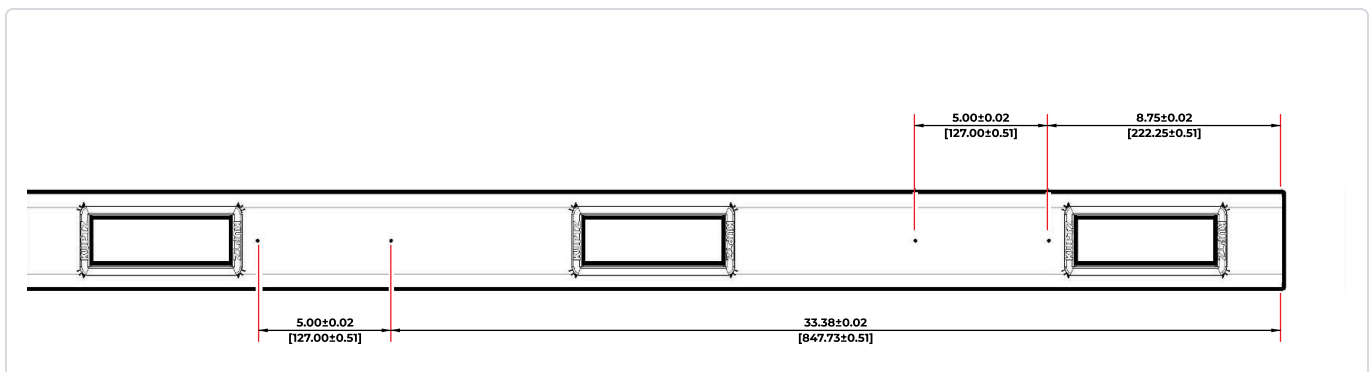


FIG. 7.1 – HINGE HOLE LOCATIONS AND SPACING ON THE POST.

WHY ACCURACY MATTERS

Hinge holes that are out of alignment can make a gate sag or swing open and closed on its own. The Gate Hinge can be adjusted after installation, but accurate holes are what make the gate operate correctly.

IF THERE ARE NO PRE-DRILLED PILOT HOLES

- 1** Remove the Top Cap from the End Post the gate will hang on, and make sure the Rail Lock is installed inside the post.
- 2** Measure the holes according to Fig. 7.1. Tip: to find the centerline of the post, hold or clamp a board onto the wide side of the post, butt your tape measure to the board, and measure from there.
- 3** Measure the same holes on the opposite side of the post, between the rails. Hold the Back Plate against your marks to confirm the holes will line up.
- 4** Punch a dimple at each hole location with a center punch. This keeps the drill bit from walking and holds the hole position accurate.
- 5** Drill all holes through one side of the post at a time, then apply cold galvanizing and touch-up paint to the exposed metal. Repeat for all holes needed.

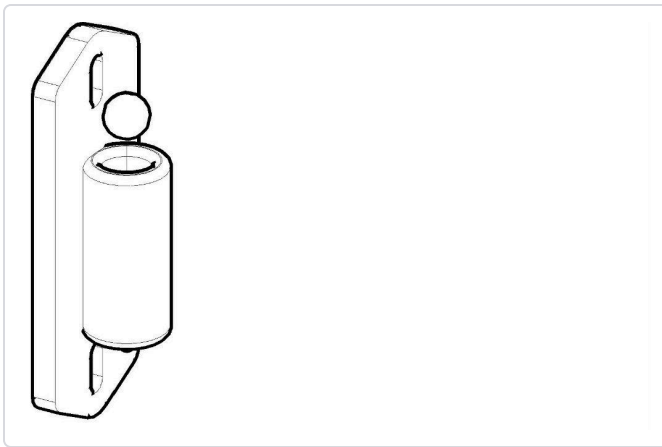


FIG. 7.2 – GATE HINGE WITH STEEL BALL BEARING

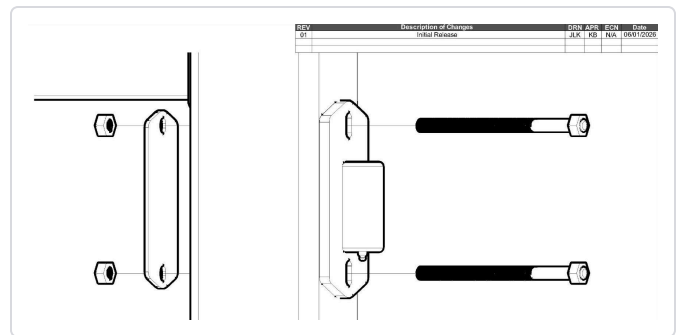


FIG. 7.3 – HINGE, BACK PLATE, BOLTS AND WASHERS

INSTALLING GATE HINGES

- 1 Place the Gate Hinge in position on the post and confirm the steel ball bearing inside the hinge is in place.
- 2 Insert the supplied bolt and one washer through the top hole of the Gate Hinge and the holes drilled in the post.
- 3 Place the top hole of the Back Plate onto the bolt, add a washer, and tighten the locking nut with a 17 mm wrench until snug. Put the second bolt and washers through the hinge, post, and Back Plate, and snug that locking nut.
- 4 The slotted holes allow vertical adjustment but align best with the bolt centered in the slot. Tighten until tight — not so tight that it deforms the steel of the post.

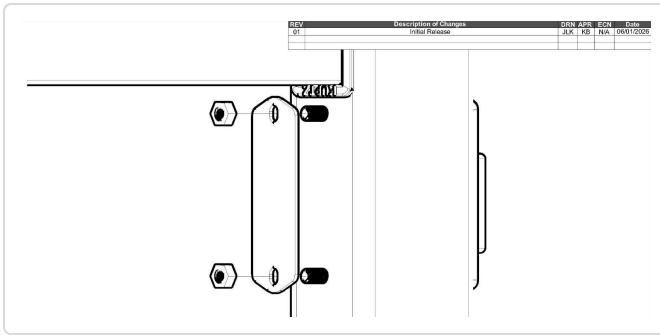


FIG. 7.4 – HINGE AND BACK PLATE THROUGH THE POST

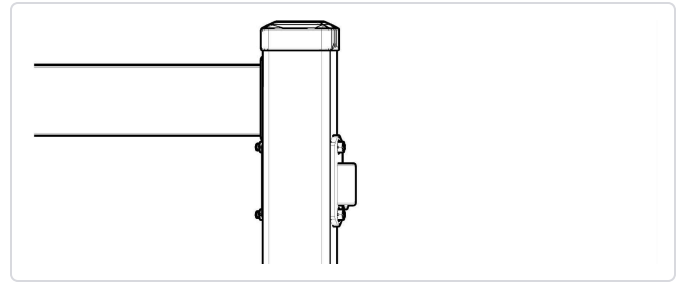


FIG. 7.5 – HINGE INSTALLED, CAP REMOVED

INSTALLING J-BOLTS

- 1 Make sure the weep holes drilled in the bottom of the rail face the ground, and are not on top of the top rail.
- 2 Insert the J-Bolt with one locking nut and washer through the pre-drilled holes on the gate.
- 3 Screw on the back washer and locking nut on the back side of the gate rail until snug. Make sure the J-Bolts face down.
- 4 Repeat for the second J-Bolt.

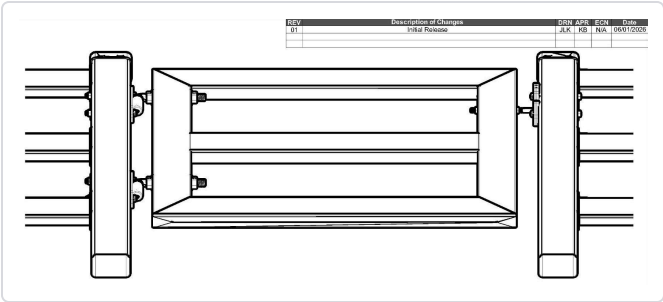


FIG. 7.6 – GATE ORIENTATION; WEEP HOLES FACE THE GROUND

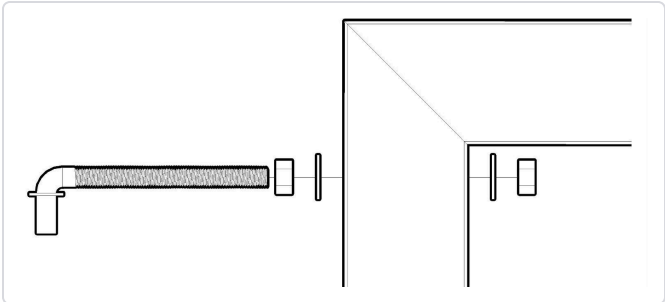


FIG. 7.7 – J-BOLT THROUGH THE PRE-DRILLED HOLES

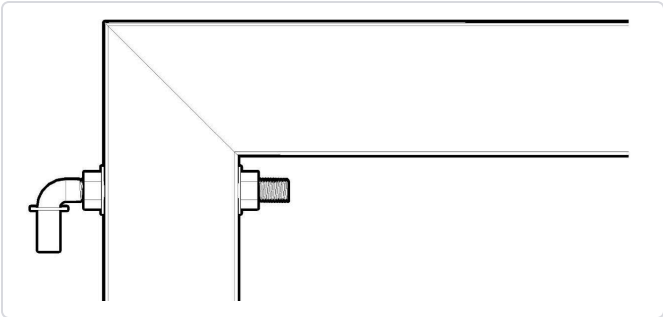


FIG. 7.8 – BACK WASHER AND LOCKING NUT, J-BOLT FACING DOWN

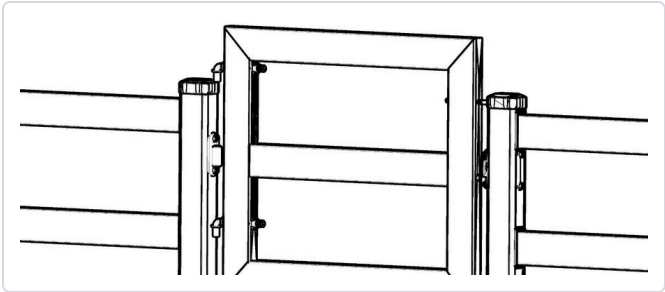


FIG. 7.9 – SETTING THE J-BOLTS INTO THE GATE HINGES

HANGING AND ALIGNING THE GATE

- 1** Lift the gate and place the J-Bolts into the Gate Hinges.
- 2** Leave 3" of space between each post and the gate. To shift the gate, loosen the nuts on the side you want it to move toward and tighten the nuts on the other side.
- 3** Set a level on top of the gate and confirm it is level. If the gate sags away from the post, move the top bolt inward toward the post and the bottom bolt away from it.
- 4** Once the gate is aligned in all directions, tighten all bolts until tight, without deforming the steel of the post or gate.
- 5** Install Post Caps on all posts that do not have them.

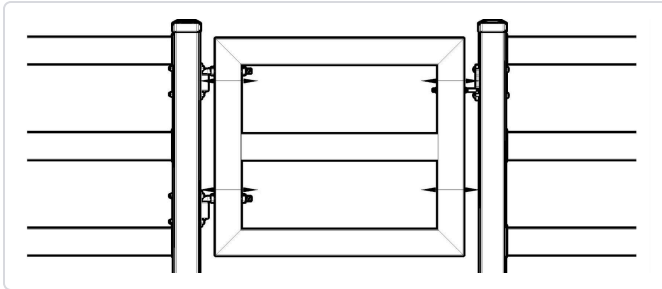


FIG. 7.10 – 3" OF SPACE AT EACH POST

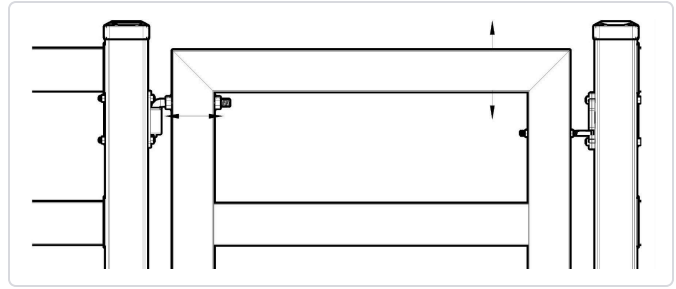


FIG. 7.11 – LEVELING THE GATE ACROSS THE TOP

SECTION 08

DUAL GATE INSTALLATION

- 1 Install both gates as outlined in Section 07. Make sure the gates are aligned vertically with one another and have 3" of space between them.
- 2 Usually one gate carries a Drop Anchor and Latch while the other carries the Latch Pin. Install the Drop Anchor on the chosen gate before installing the Latch and Latch Pin — see Section 10.
- 3 The gate with the Drop Anchor takes the Kuptz Latch. Follow the Latch instructions in Section 09.
- 4 The gate without the Drop Anchor takes the Latch Pin. Follow the Latch Pin instructions in Section 09.

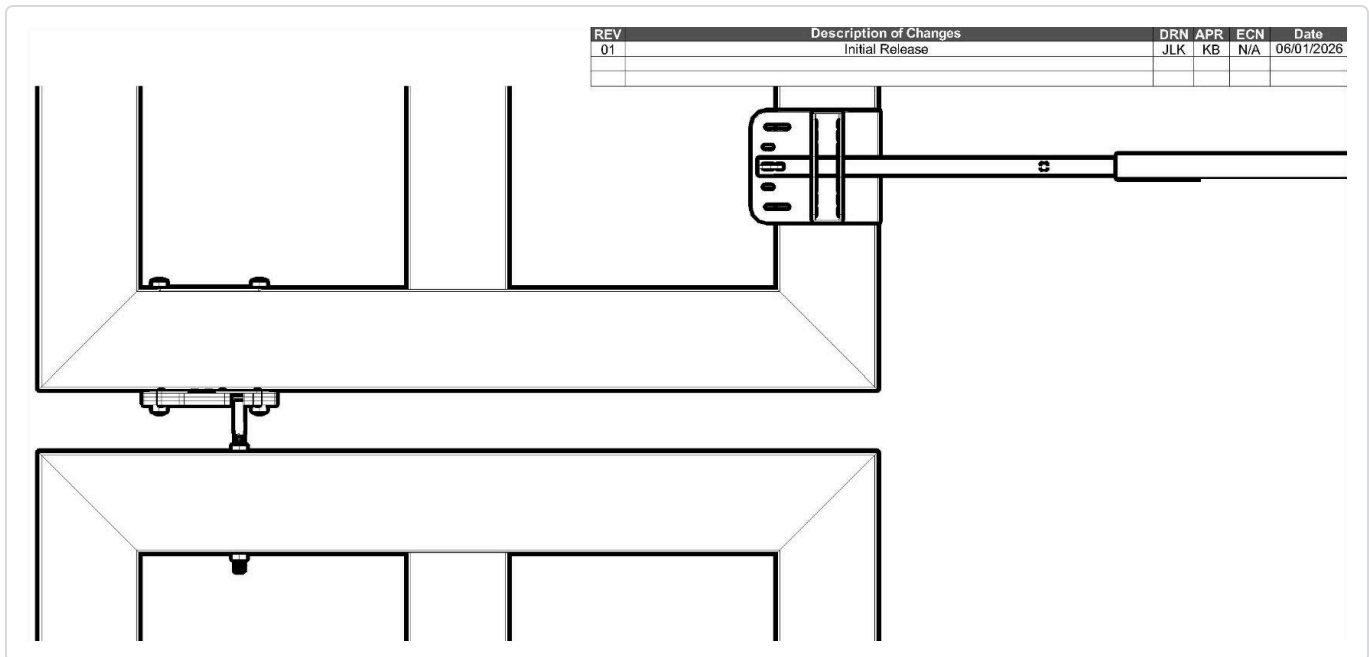


FIG. 8.1 – DUAL GATE MEETING POINT WITH LATCH AND LATCH PIN.

SECTION 09

KUPTZ LATCH

Drilling latch holes, installing the Latch and Latch Pin, then aligning the pair.

REQUIRED EQUIPMENT

Drill

7/16" / 11 mm metal drill bit

Two 17 mm wrenches, ratchet and socket, or
Crescent wrenches

Center punch

Level and square

Tape measure

Pencil or oil marker

DRILLING LATCH HOLES

On End Posts, Blank Posts, or a gate in a dual-gate setup, pilot holes are pre-drilled for you. Use Fig. 9.1 to identify which holes your application needs.

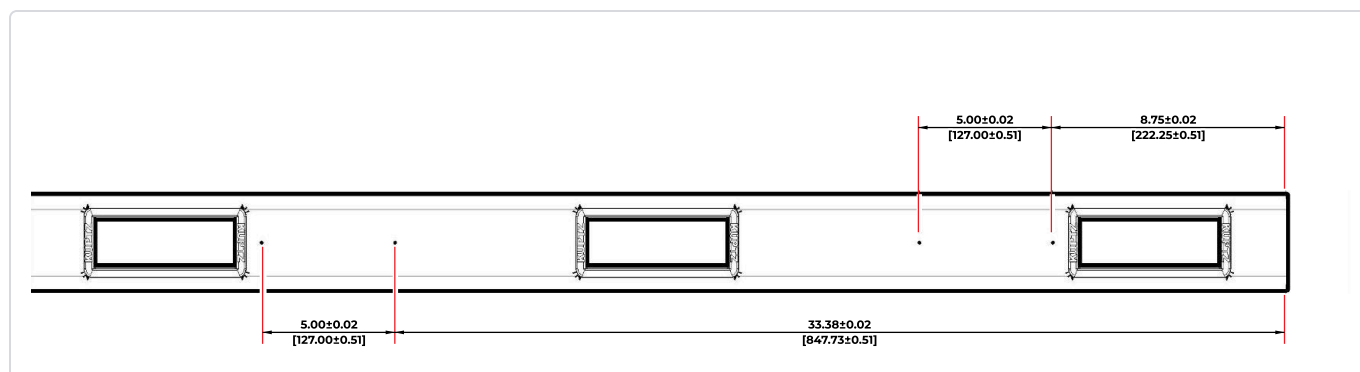


FIG. 9.1 – LATCH HOLE LOCATIONS AND SPACING.

- 1** Drill the hole to 7/16" through one side of the post at a time. Never attempt to drill through both sides at once.
- 2** Drill the matching hole on the other side of the post to 7/16", using the pre-drilled alignment hole.
- 3** Apply cold galvanizing and touch-up paint to the exposed metal so it stays protected against rust.

INSTALLING THE LATCH

- 1** Place the Latch in the correct position on your post or gate.
- 2** Insert the supplied bolt and one washer through the top hole of the Latch and the holes drilled in the post or gate.
- 3** Place the top hole of the Back Plate onto the bolt, add a washer, and tighten the locking nut with a 17 mm wrench until snug.
- 4** Put the second bolt and washers through the Latch, post, and Back Plate, and snug the locking nut.
- 5** The slotted holes allow vertical adjustment and align best with the bolt centered in the slot. Tighten only until snug — the Latch may need to be aligned later.

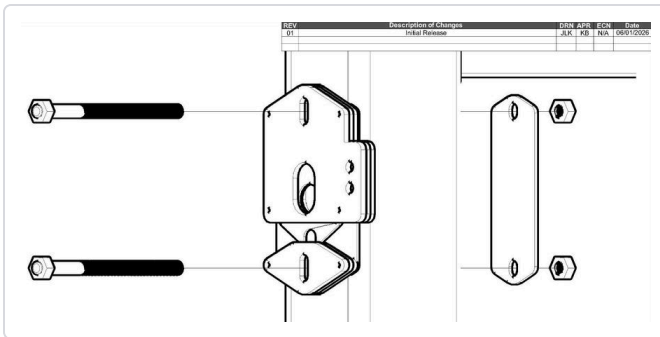


FIG. 9.2 – LATCH, BACK PLATE, BOLTS AND WASHERS

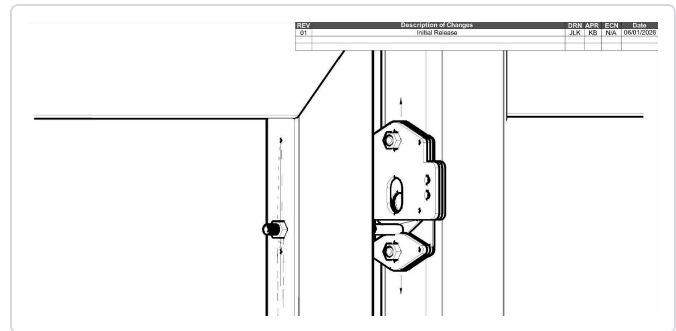


FIG. 9.3 – LATCH INSTALLED AND BOLTED THROUGH

INSTALLING THE LATCH PIN

- 1** Drill the Latch Pin holes to 7/16", as with the previous holes, using the pre-drilled alignment hole in the gate.
- 2** Insert the Latch Pin with one locking nut and washer through the pre-drilled holes on the gate. Tighten only until snug — it may need to be aligned later.

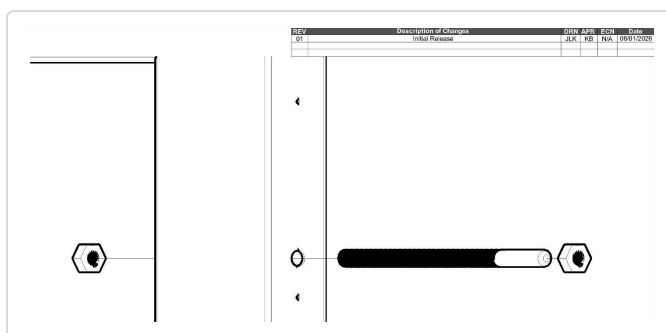


FIG. 9.4 – LATCH PIN THROUGH THE GATE

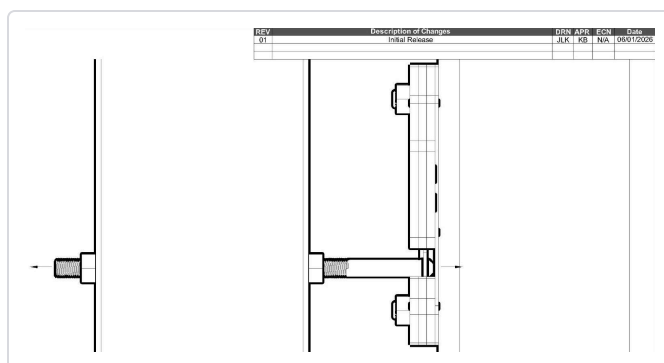


FIG. 9.5 – LATCH PIN SEATED IN THE LATCH

ALIGNING LATCH AND LATCH PIN

- 1** The Latch Pin should raise the gate slightly as it closes. Align the Latch vertically by loosening it and adjusting its height.
- 2** Adjust the Latch Pin toward or away from the Latch so it seats fully: loosen the bolts on the side it needs to move toward, and tighten the bolts on the opposite side.
- 3** Once the gate swings and latches correctly, make sure all bolts are firmly tightened.

SECTION 10

DROP ANCHOR

REQUIRED EQUIPMENT

Two 17 mm wrenches, ratchet and socket, or
Crescent wrenches

Hammer

Scrap block of wood

Shovel

Masking tape

INSTALLING THE DROP ANCHOR

- 1 Unscrew the bolts and remove the 30 mm Spacer Nuts.
- 2 Slide the Housing on from below the bottom rail of the gate.
- 3 Insert the 30 mm Spacer Nuts and bolts back onto the Housing. Slide the bottom of the Housing up and tighten the bolts to hold it firmly in place on the gate.
- 4 Insert the Drop Pin into the Housing and twist until the pin can touch the ground.
- 5 Find where the Drop Pin will enter the ground and mark the location.
- 6 Install the Ground Tube either by driving it into the ground with a hammer — use a scrap block of wood to protect the top of the tube — or by digging a hole and concreting it in place. If you use concrete, hammer the Ground Tube 1–2" / 25–50 mm into the ground first so water cannot pool inside the tube.
- 7 With the Ground Tube installed, close the gate and confirm the Drop Pin falls into place correctly and all fasteners are tightened.
- 8 The Drop Pin can be locked to the Drop Pin Housing with a padlock whose clasp diameter is less than $\frac{3}{8}$ " / 9.5 mm.

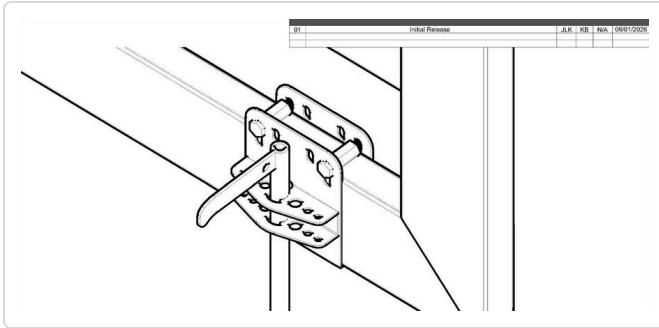


FIG. 10.1 — HOUSING CLAMPED TO THE BOTTOM RAIL

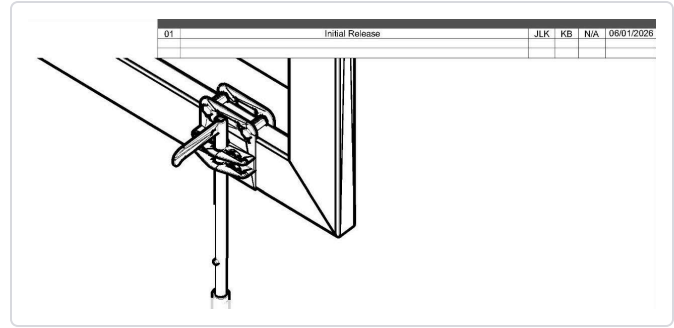


FIG. 10.2 — DROP PIN DROPPED INTO THE GROUND TUBE

SECTION 11

GATE OPENER ATTACHMENT

Gate openers vary widely. The Kuptz Gate Opener Attachment is designed to be as universal as possible, but may not fit every opener on the market. Consult the installation manual for your specific model to see how it attaches to your Kuptz gate and fence. The Gate Opener Attachment is the same Housing used for the Drop Anchor.

Required equipment: two 17 mm wrenches or Crescent wrenches.

- 1** Unscrew the bolts and remove the 30 mm Spacer Nuts.
- 2** Slide the Housing from the top down over the rail of the gate you want to attach the opener to.
- 3** Insert the 30 mm Spacer Nuts and bolts back onto the Housing. Slide the bottom of the Housing down and tighten the bolts to hold it firmly in place on the gate.
- 4** Follow the instructions specific to your gate opener to mount the opener to your fence.

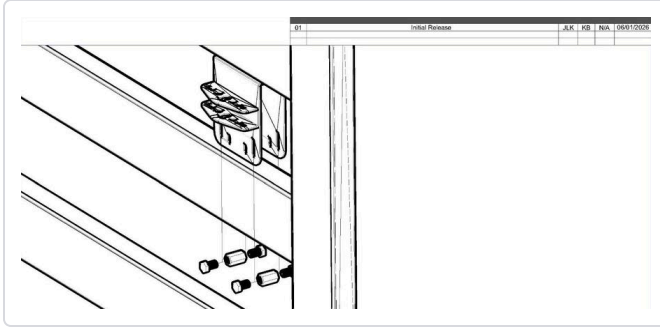


FIG. 11.1 – HOUSING CLAMPED TO THE GATE RAIL

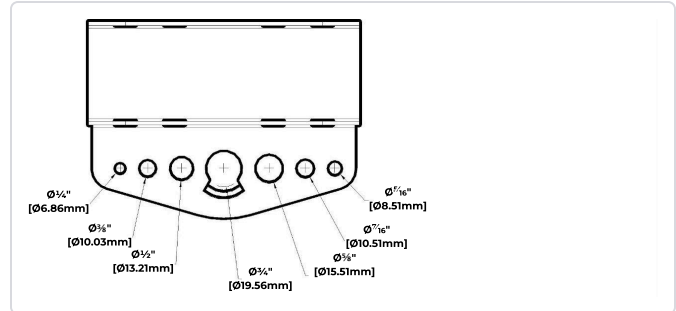


FIG. 11.2 – HOUSING HOLE PATTERN AND DIAMETERS

SECTION 12

RAIL LOCK ASSEMBLY

Occasionally, Rail Locks may be damaged or plastics may need to be assembled in the field.

PARTS REQUIRED

- 1 Steel Backbone
- 2 Plastic Top Plate
- 3 Rail Lock Plastic

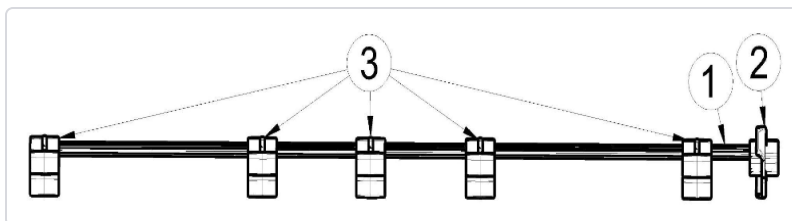


FIG. 12.1 – ASSEMBLED RAIL LOCK, PARTS NUMBERED

- 1 Install the Top Plate onto the Backbone by gently squeezing the plastic open and sliding it onto the square tubing of the Backbone. Once inserted correctly, plastic pins will click into place in the holes of the Backbone, and the Top Plate should not be able to move. **Note the holes on the Backbone are not equally spaced** — the Top Plate must be installed on the end where the holes are closer together.

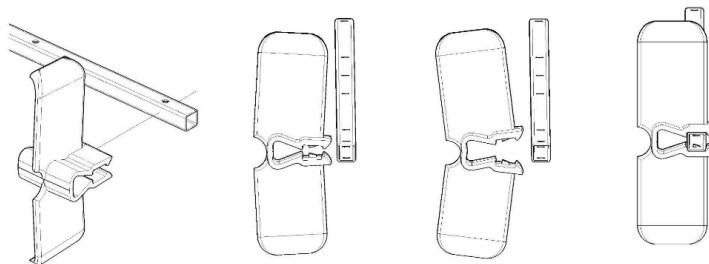


FIG. 12.2 – INSTALLING THE TOP PLATE

- 2 Repeat similar steps with the Rail Lock Plastics, ensuring they are on the same side of the Backbone as the Top Plate.

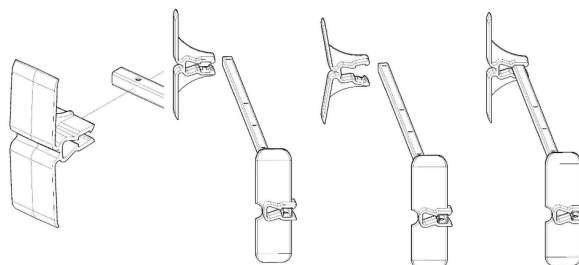


FIG. 12.3 – INSTALLING THE RAIL LOCK PLASTICS

- 3** Repeat Step 2 with the remaining Rail Lock Plastics for your application: **Three Rail** (top), **Four Rail** (middle), or **Universal** — two, three, or four rail (bottom).

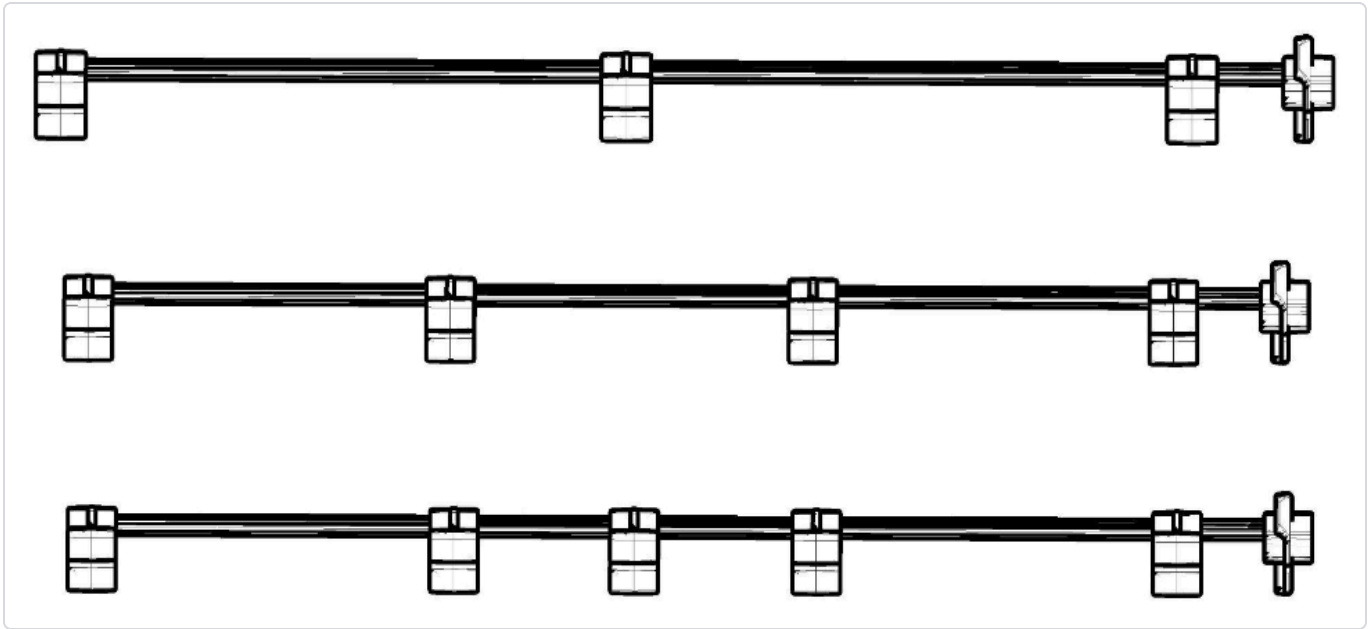


FIG. 12.4 – THREE RAIL, FOUR RAIL, AND UNIVERSAL RAIL LOCK ASSEMBLIES

SECTION 13

INSTALLING GROMMETS

Occasionally, Grommets may be damaged or need to be replaced. No tools are required.



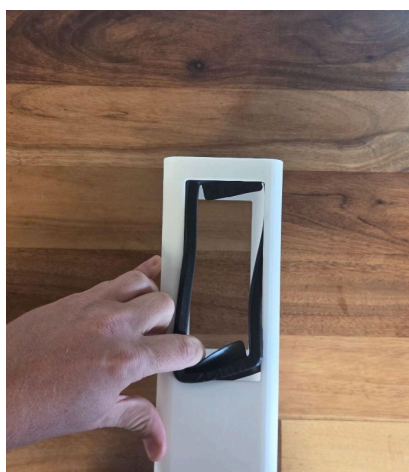
- 1** Insert the entire Grommet through the hole in the side of the Post, making sure not to drop it.



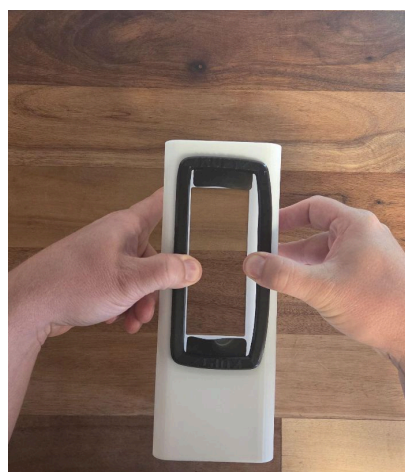
- 2** Pull the bottom corner of the Grommet into place by sliding the slot on the Grommet onto the Post.



- 3** Pull the top of the Grommet into place and insert the slot in the top onto the Post. It should snap into place once all four corners are on.



- 4** Push outward in the middle of the Grommet so it is fully engaged with the Post. Without this step the sides may twist when the Rail is inserted.



- 5** The Grommet is now seated correctly and ready for Rails to be installed.

SECTION 14

QUICK REFERENCE

The numbers you will reach for most on the jobsite.

MEASUREMENT	IMPERIAL	METRIC
Post spacing, center to center	96"	2.438 m
Post spacing, face to face	91"	2.311 m
Post height above ground	57"	1.45 m
Hole diameter / depth	9" / 36" min.	230 mm / 915 mm min.
Concrete per hole	≈ 80 lbs	≈ 35 kg
Gravel per hole	≈ 10 lbs	≈ 4.5 kg
Gate clearance at each post	3"	75 mm
Hinge / latch drill size	7/16"	11 mm
Rail cut allowance	Span + 3.5"	Span + 89 mm
Rail articulation / max slope	22.5° all directions	2.75 : 12
Concrete cure before rails	24 hours	—
Cure before animals return	3 days	—

STILL HAVE QUESTIONS?

EMAIL US BEFORE YOU SET CONCRETE

We would rather talk it through than have you cut a post twice.

Reach us at cservice@kuptzsteelfence.com.

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