

Sliding Gate Installation Guide

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Useful links

Slide gate basic overview video

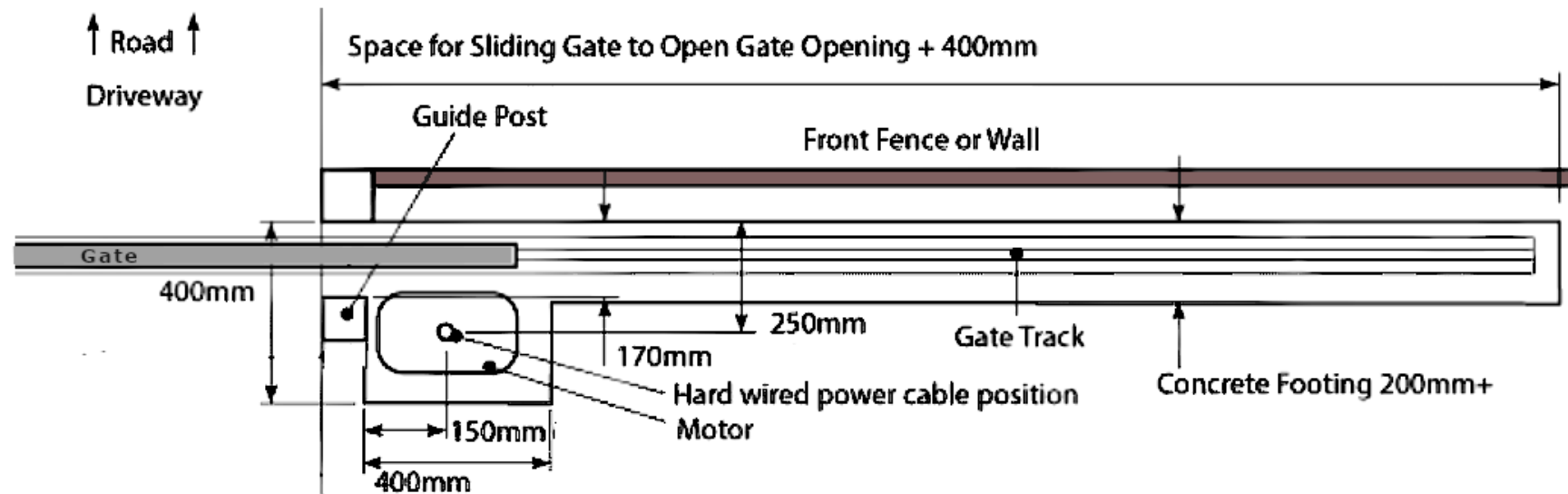
<https://youtu.be/hWraWN6-SpU>.

Top down layout and typical measurements

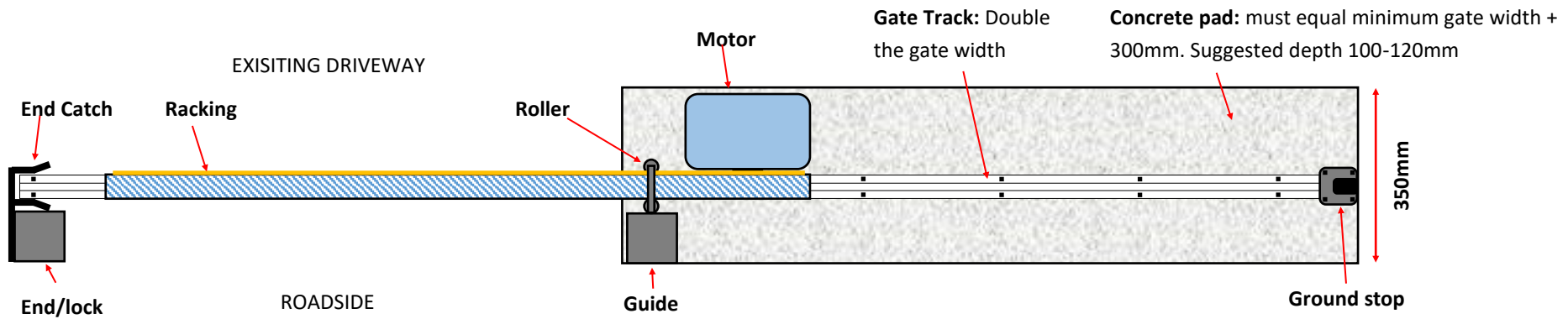
The configuration of your gate may be the opposite (Mirror image) to the below layout

You will not require a guide post, if your fence is robust because the guide rollers can be mounted to this.

It isn't necessary to adhere to the below figures precisely and every property differs slightly.

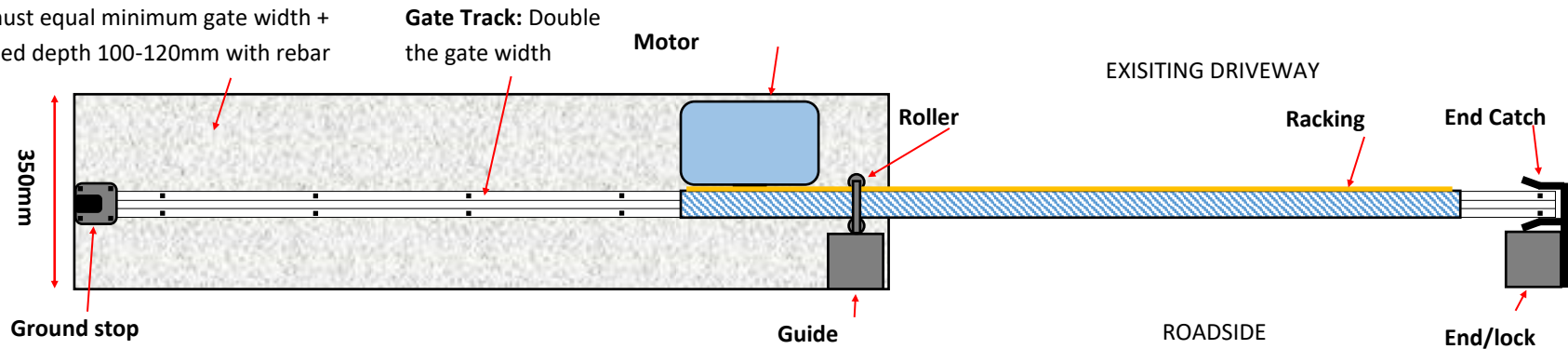


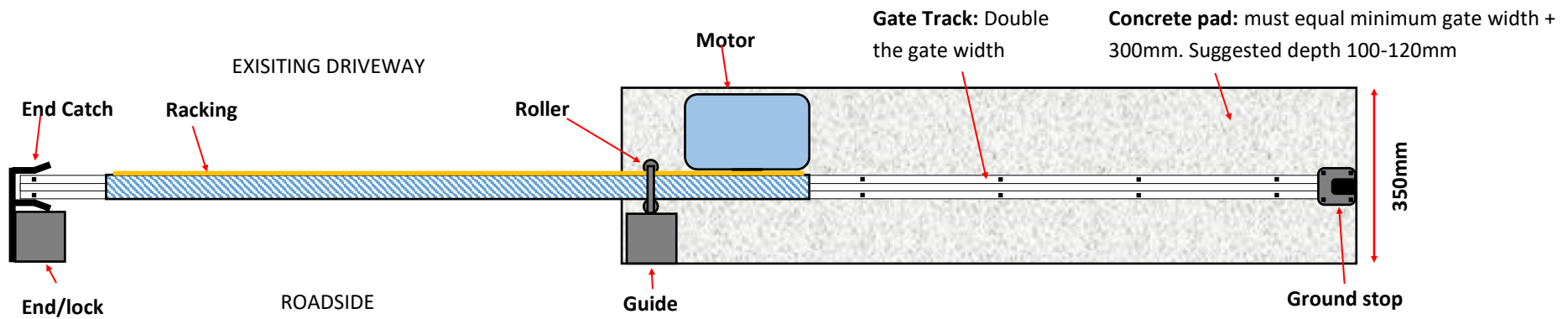
Right Hand Opening



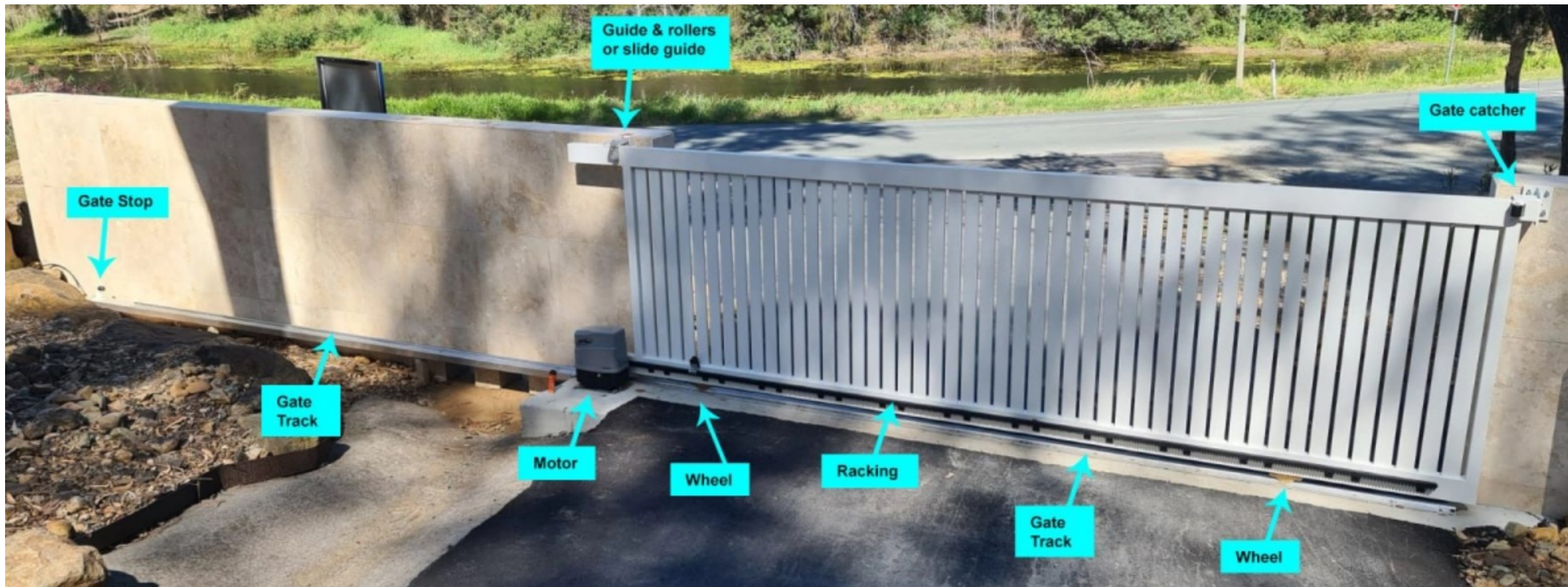
Left Hand Opening

Concrete pad: must equal minimum gate width + 300mm. Suggested depth 100-120mm with rebar





Typical Slide Gate Layout and components

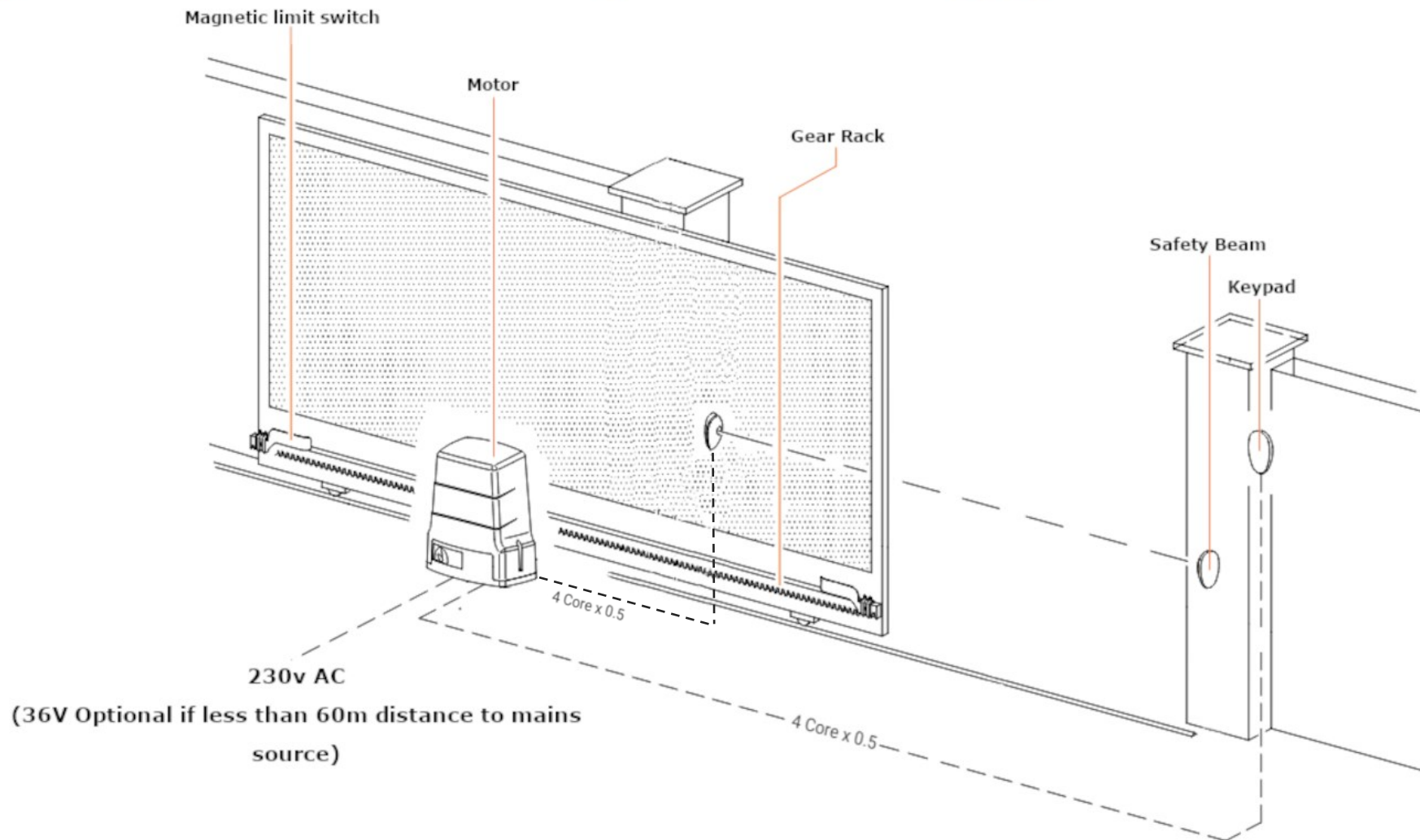


Pre-Cable Requirements for adding automation.

The below diagram shows the layout of components for a basic automated gate and wiring requirements

Wireless keypads are an option saving you the need to run cable for these if it going to be difficult/costly

Cable only needs to be run to one safety beam—the other beam operates with a battery.



Concrete Footing for Sliding Gates

Sliding Driveway gates roll on a metal track that needs a good solid footing.

Dig footings according to the diagrams below.

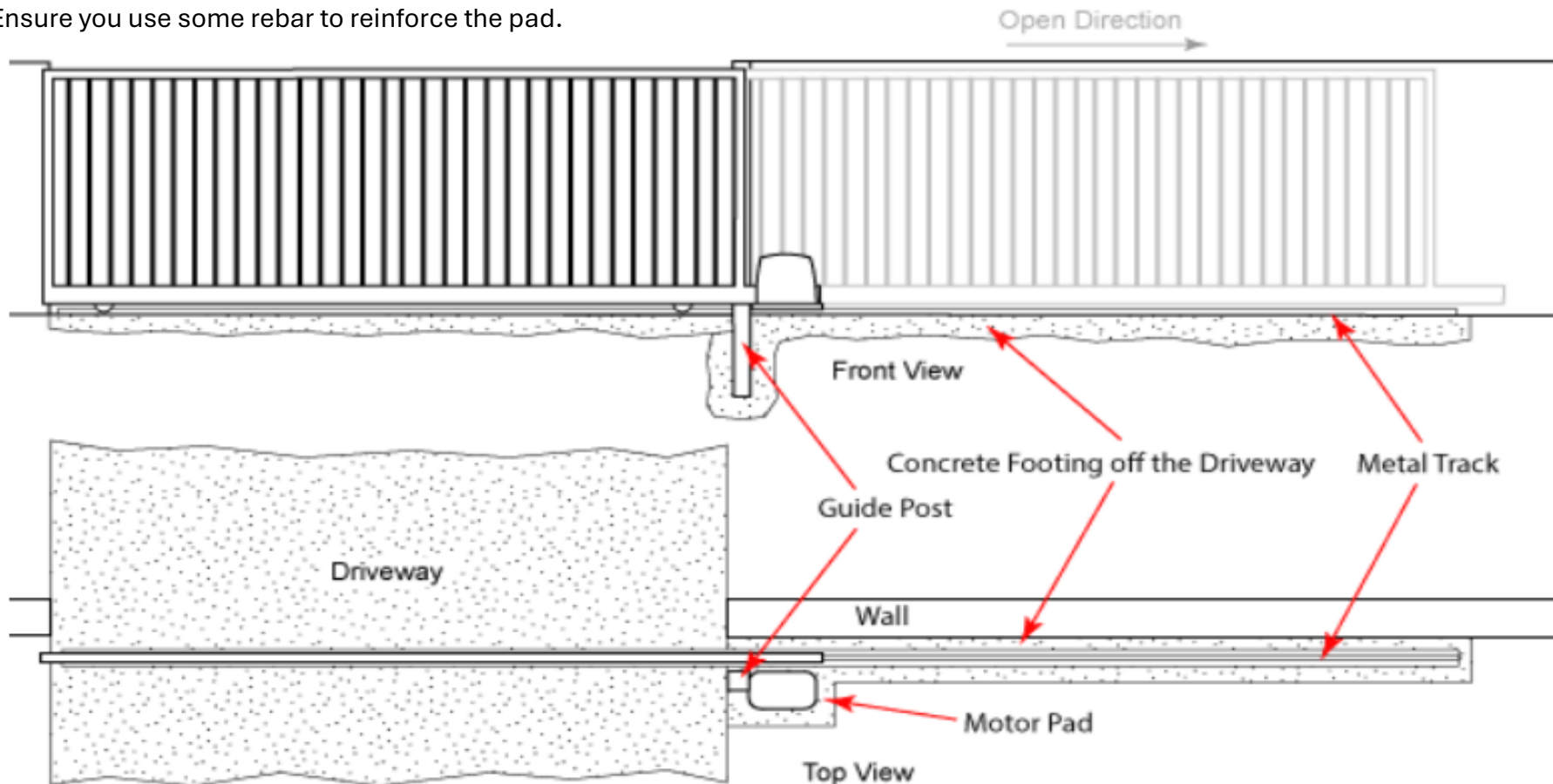
If your existing drive is concrete or asphalt and level—you'll only need to create a concrete base to the size of the drive, where the gate can slide on to when open—ensure this is at least the gate width + 300mm.

Allow enough width for the motor to anchor to— a width of 350mm concrete at the motor position is usually sufficient

If you need guide posts (Due to insufficient existing fence/wall mounting points for rollers and stops), we suggest concreting these in now—ensure posts are buried to a minimum depth of 600mm. We also have flanged posts that can be bolted directly on to an existing flat concrete surface.

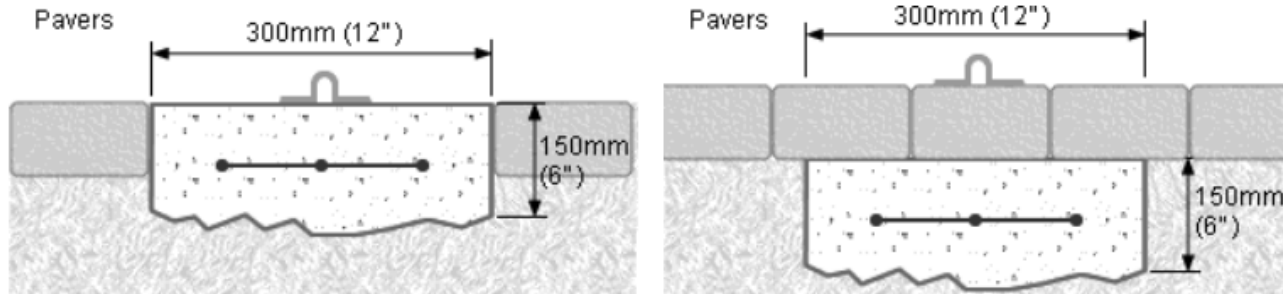
Concrete can easily be mixed on site with a concrete mixer because normally only about 1/8 of a cubic meter is needed.

Ensure you use some rebar to reinforce the pad.

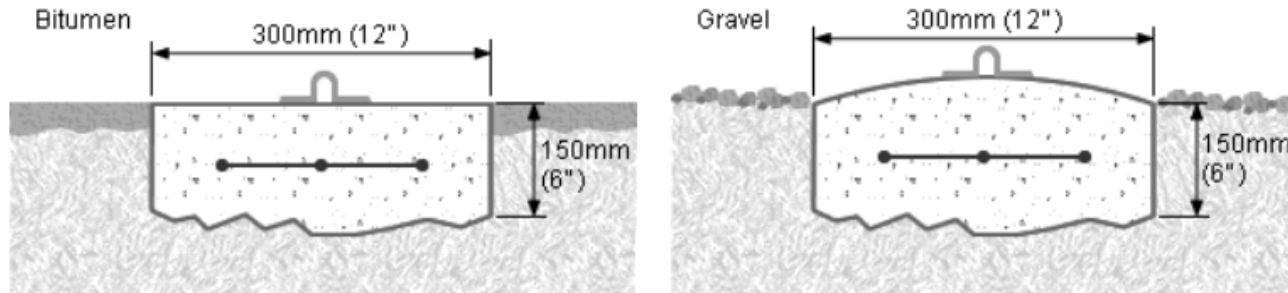


If the Driveway isn't Concrete

If you have a paved driveway and the pavers are not “glued” to a concrete base, you can either replace a line of paver's with concrete, or pull up the paver's, install concrete underneath and glue the paver's to the concrete keeping consistency in the appearance of the driveway.



If you have a asphalt or gravel driveway and the surface isn't level, you will need to replace a strip of it with concrete. For asphalt driveways, the concrete can be coloured black using black oxide so it matches the driveway colour.



Gravel driveways should be raised in the middle to prevent build up of the gravel on the track

Key measurements you'll need to determine the best size of gate for your property

Our apologies:

This guide is still under construction so information may be missing or very limited — please don't hesitate to contact us with any questions you have, we're happy to help.

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Fitting wheels to your gate

Please use the supplied black tek screws to fix each wheel—an impact driver or drill is required for this.

Be mindful of over tightening the screws—as soon as they grab the metal, release the drill/driver trigger, then slowly tighten.

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Positioning and Fixing the track

1. Lay out your track where the gate will slide, but do not fix it to the ground yet
2. Ensure you have enough track for the gate to roll along from the fully closed position, to full open position, ensuring the wheels remain on the track for the full travel of the gate
3. Carefully lift your gate on to the track and check the positioning of the gate ensuring it aligns with your fence on both the opening and closing side of the gate. *CAUTION: Be very mindful of supporting the gate for steps 3-8 below! Remember the guide rollers are yet to be fitted (Assuming you are following this guide. It's highly suggested to have a second person to help you with this step.*
4. Roll the gate along the track to check the positioning is suitable for the full travel of the gate.
5. If you need to adjust the gate position, you'll need to adjust the track position as this ultimately determines where the gate sits in relation to everything else.
6. We suggest using a mallet or piece of timber to shunt the track if it needs slight adjustment whilst the gate is still sitting on top.
7. Once you are confident of the track's final position, use a marker/chalk/pencil to clearly mark the track's position.
8. Carefully remove the gate from the track and lay aside.
9. Re-check the track's position based on your markings and using a hammer drill, drill out a few of the holes (Do not pre-drill all holes at this stage)
10. Using concrete ground anchors, anchor the track down.
11. Re-check the track's position and if you are confident it is correct, repeat the above steps to pre-drill and anchor the entire track down.

Installing the guide rollers

1. Mount the guide roller bracket to your post or fence adhering to the gate layout on page 3.
2. Fit the inside roller only
3. Carefully lift the gate on to the track and rest it against this roller.
4. Fit the outside roller and before tightening it, check the gate is vertical. If necessary, adjust the position of both rollers on the bracket to position the gate vertical.
5. Allow a small gap between each roller and the gate - around 2mm. Do not compress the gate tightly between each roller.
6. Once you are confident of the gate position, tighten the roller bolts so the rollers are fixed in position.
7. Carefully roll the gate along it's full travel closed to open to ensure it runs smoothly through the guide rollers—even a heavy gate should roll with little resistance.

CAUTION: Ensure the gate does not freely roll beyond the guide rollers during this step! Remember the guide rollers are the only component holding the gate upright and there is no ground stopper installed yet to contain the gate within the roller guides.

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Installing a Ground Stopper

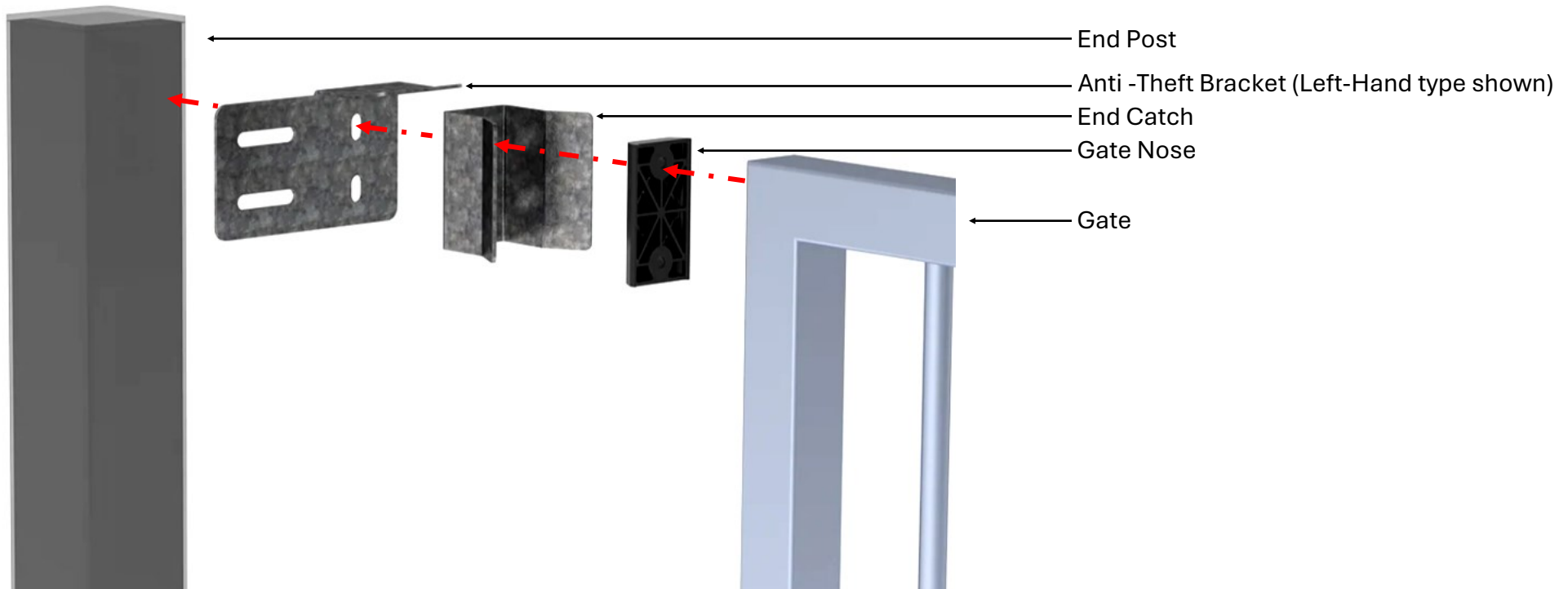
1. Carefully roll the gate to the fully open position, ensuring that at this position, the gate is still within the guide rollers so that the gate extends beyond the roller by at least 50mm.
2. Position your ground stopper where it will prevent the gate opening any further
3. Once you're confident of the correct position, anchor it to the ground.
4. Be sure to use 8G x 50mm or greater screws/bolts - the stopper can bear a reasonable amount of momentum/force to stop a gate—particularly larger gates with solid infill.

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Fitting the end catch assembly



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