



**TELESCOPIC GATE
MANUFACTURING
AND INSTALLATION
GUIDE.**

SIMPLIFIED VERSION

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GATE DESIGN

Telescopic Gates are different from a typical sliding gate. We'll cover the differences here and how to nail them.

TOOLS

If you don't already have them, you'll need these before you start building the leaves: 40mm hole drill. Thick black marker. M6 tap - the Pulley Hardware is bolted to Leaf 1. A decent pair of wire cutters to trim the cable.

GATE FRAME

A minimum of 100x50x3mm RHS is needed for the frame on both leaves. 100mm is needed for the pulley hardware on the bottom rail. Also the top guide & inline guide roller need 100mm to work together. Because the hardware is bolted to the gate 3mm thickness is needed to tap threads.

MOTOR

You'll need a motor with a manufacturer's rating of x5 the leaf weight. Why? One gate travels twice as fast as the other creating a lot of load, and when adding the pulley system to add more load again the effective gate weight is x5 the leaf weight.

WHEELS

Telescopic gates are designed to be used with Recessed Wheels, but can be adapted for Bottom Mount Wheels.

TRACK

Telescopic uses two lengths of track, one for each gate. Leaf 1 needs a track only half the driveway width. Leaf 2's track runs the entire driveway width.

PEDESTRIAN GATE

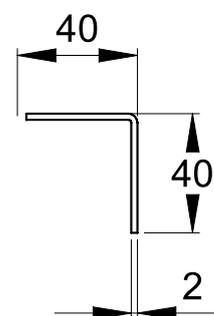
Telescopic are often fitted in small yards without room for a pedestrian gate. With Telescopic the only entrance to the property these tips will get the most out of the gate system.

- Include the partial-open pedestrian function on the remote.
- Add a keypad for visitors
- A backup battery is a good bit of insurance

INLINE ROLLER GUIDE

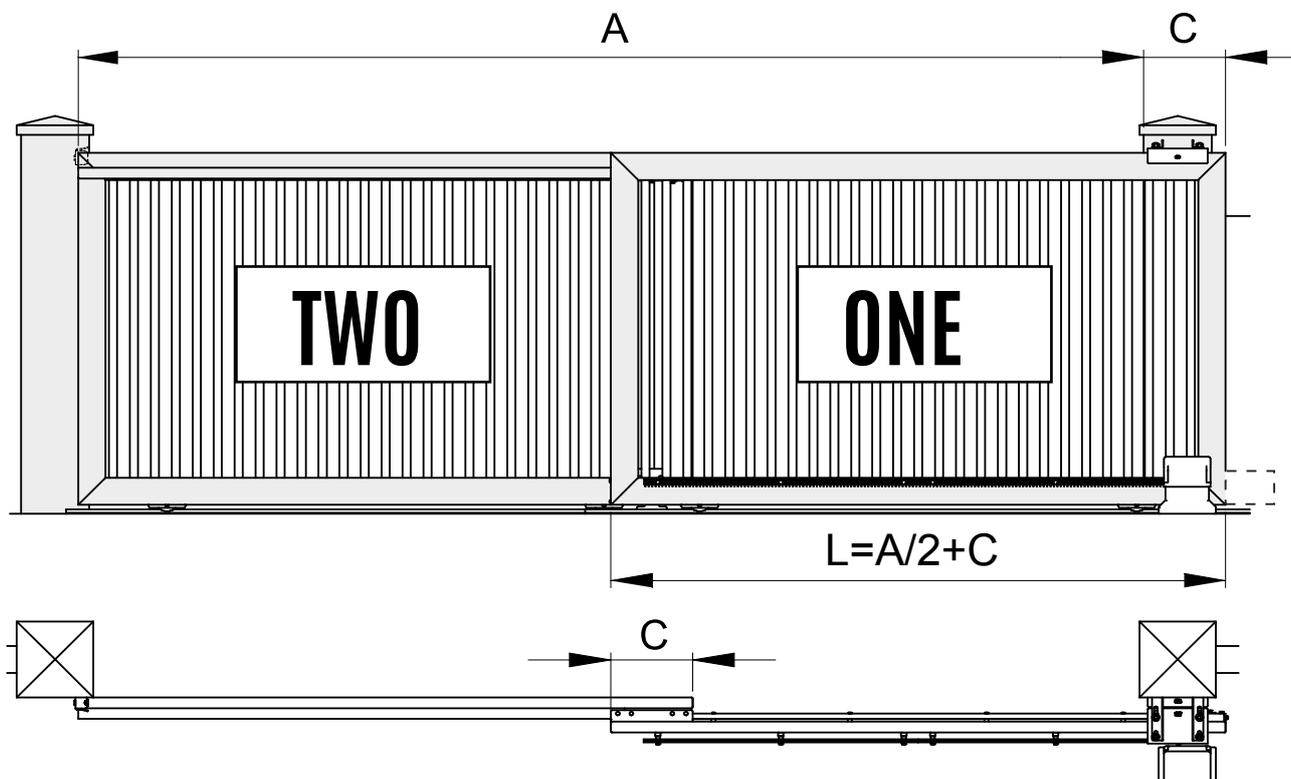
Installers will supply their own steel U-channel or angle for the Inline Roller guide.

TIP: Make sure to allow for variation in the level of the driveway when welding the guide channel.



GATE LENGTH

Because Telescopic has two leaves they need a bit more attention to get right. Remember Leaf 1 needs an extra 300mm for the tail.



EXAMPLE: LEAF LENGTH

A 4m (driveway entrance)

C 0.3m (from the table right)

L $(A/2) + C$

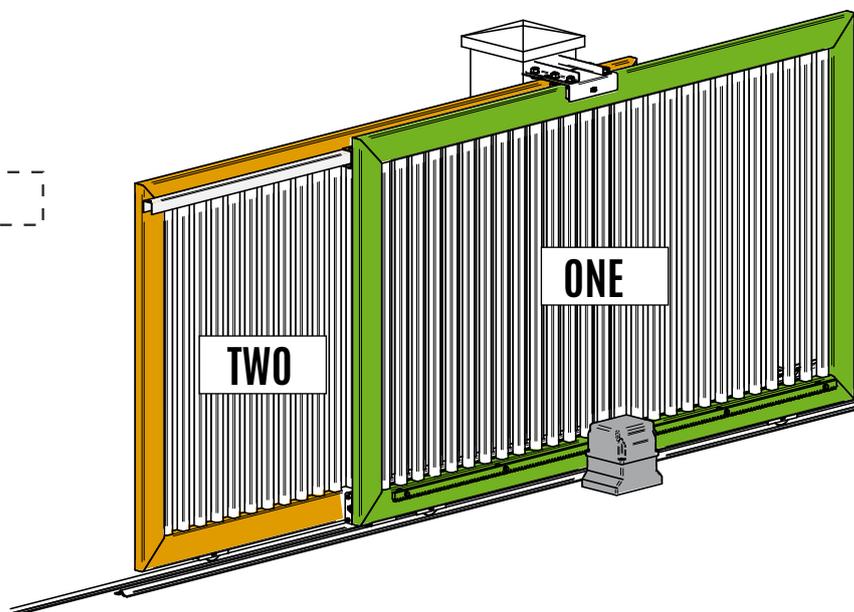
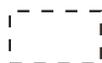
$$L = 4/2 + 0.3$$

$$L = 2 + 0.3$$

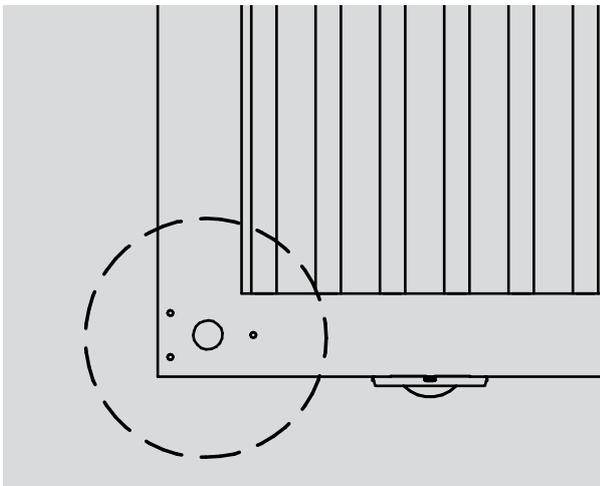
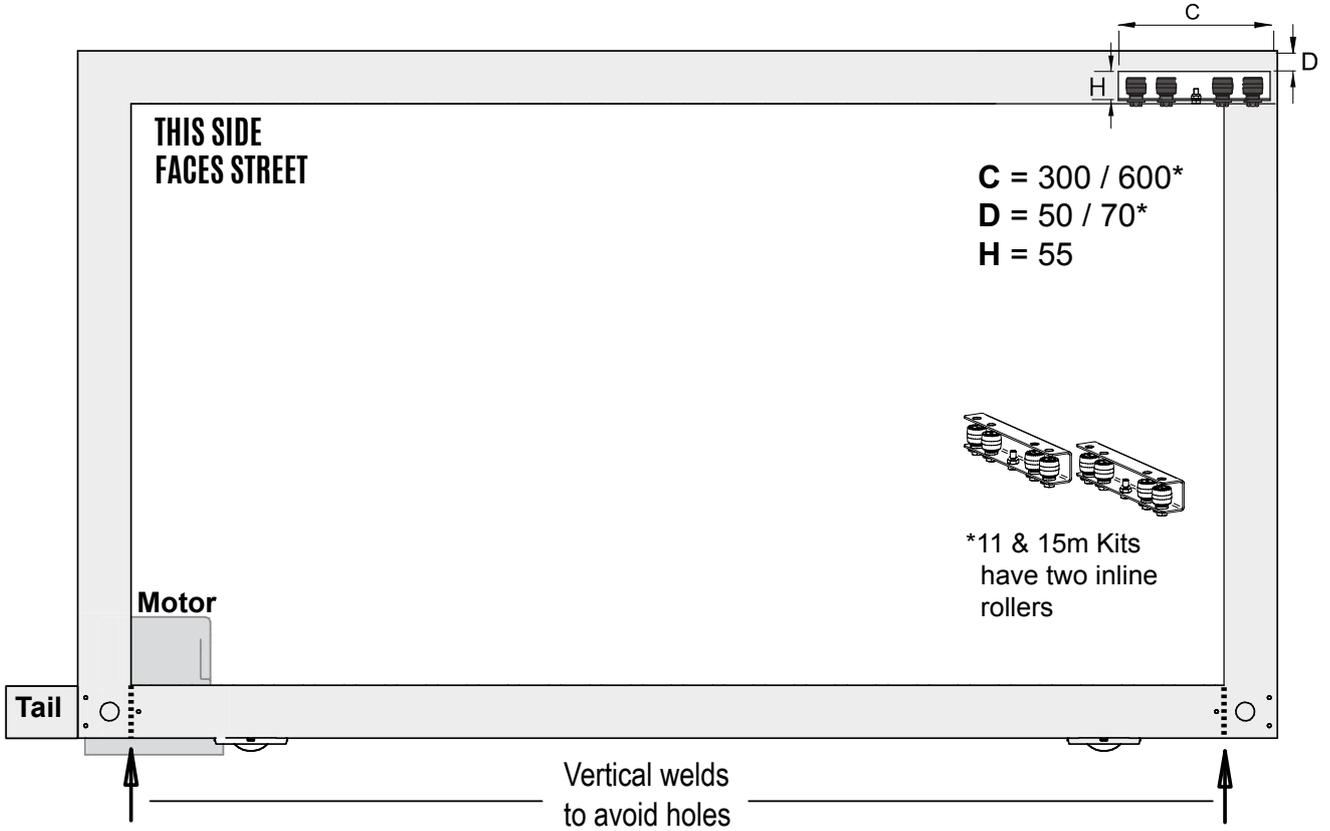
$$\text{Length} = 2.3\text{m}$$

A max.	LEAF	FRAME
Up to 8m	$= (A/2)+0.3$	100x50x3mm
8.1m to 15.4m	$= (A/2)+0.6$	125x75x3mm

Note: Check there's enough tail on gate 1 for motor & rack - Shown above as

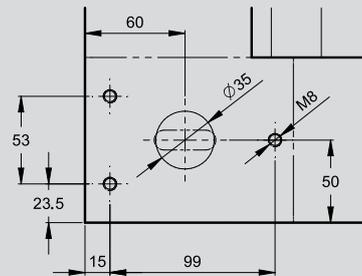


LEAF ONE FABRICATION



PULLEY TEMPLATE

1:1 templates on
pages 14 & 15



TIP Fit Telescopic hardware to gates before leaving the factory

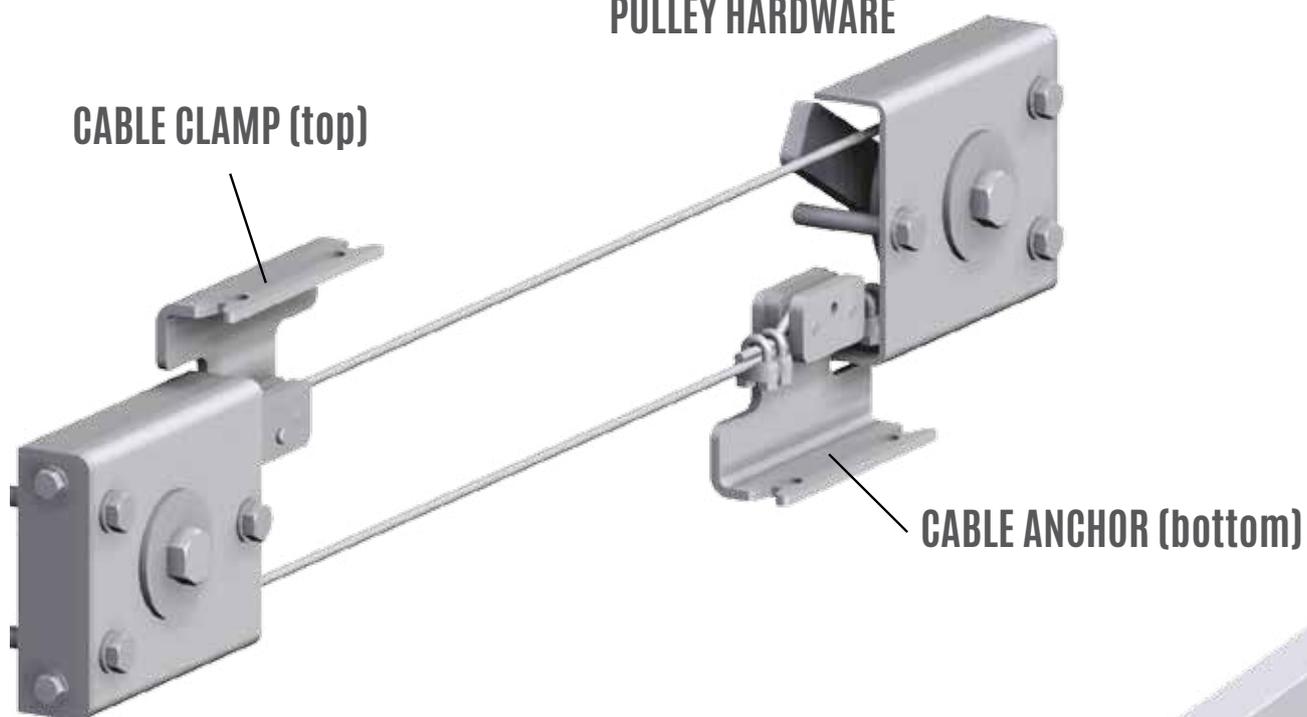
LEAF ONE HARDWARE PARTS

All of the Telescopic parts used on Leaf One are shown here.

INLINE ROLLER



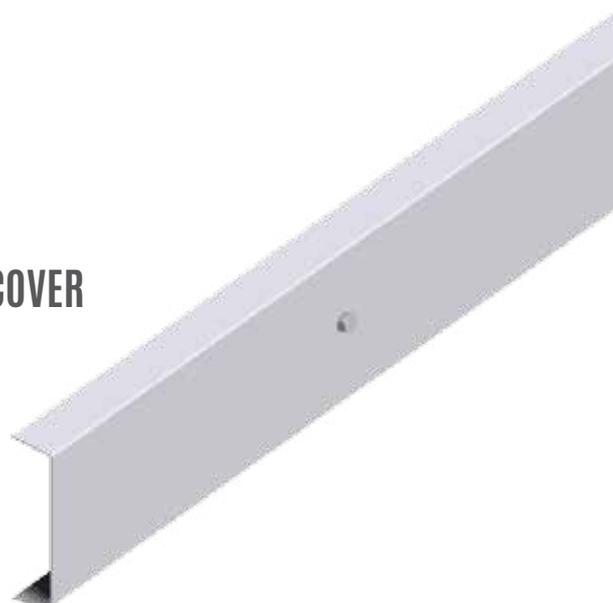
PULLEY HARDWARE



CABLE CLAMP (top)

CABLE ANCHOR (bottom)

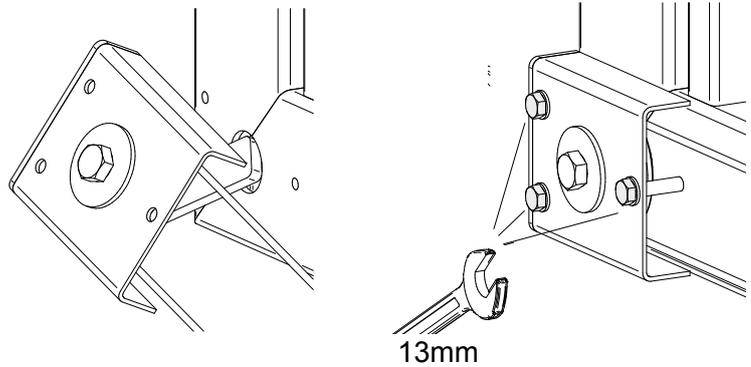
PULLEY COVER



LEAF ONE HARDWARE INSTALL

1 MOUNTING PULLEY HARDWARE

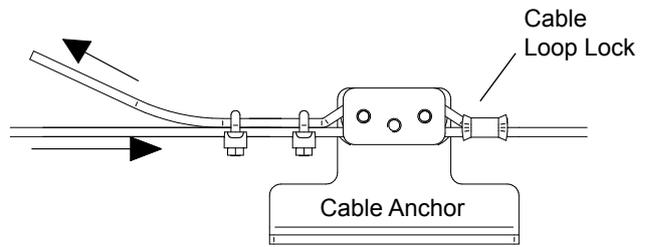
Insert the pulley hardware into the gate. Nip up the bolts finger-tight.



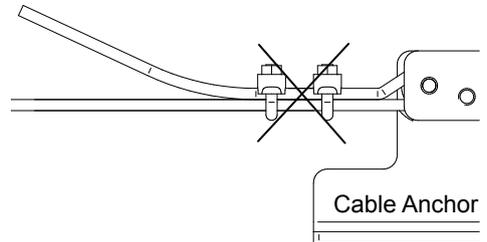
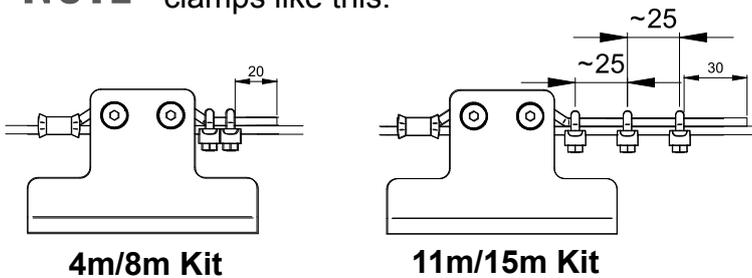
NOTE Cable anchor to bottom

2

Pull the cable taut and tighten cable clamps (Thread facing down).

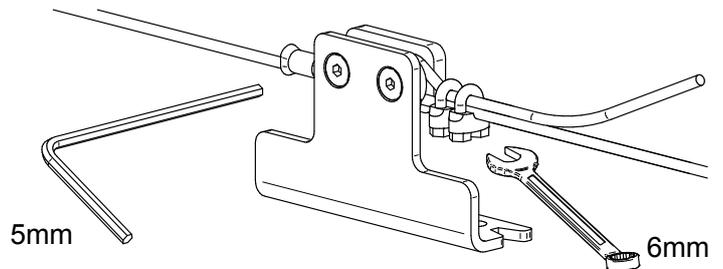


NOTE Space the cable clamps like this.

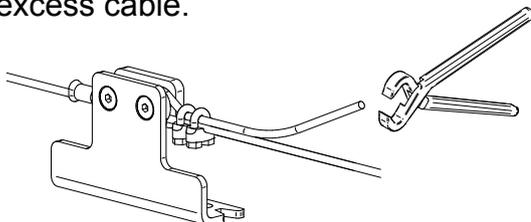


3

Tighten the Cable Anchor with the allen key.



Tape the cable where it'll be trimmed. Snip the excess cable.

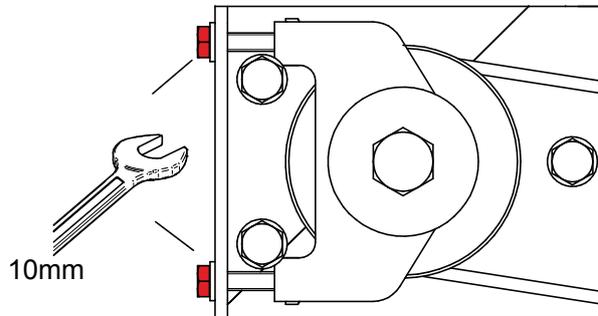
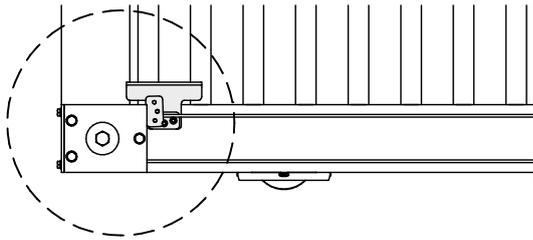


LEAF ONE HARDWARE INSTALL

(CONTINUED)

4

Loosen the cable tensioner bolts both ends to slacken the cable.

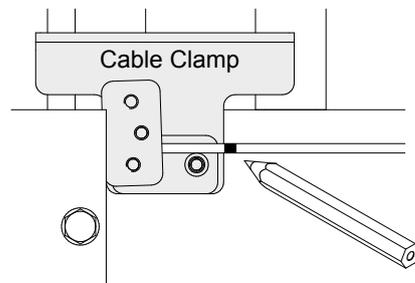
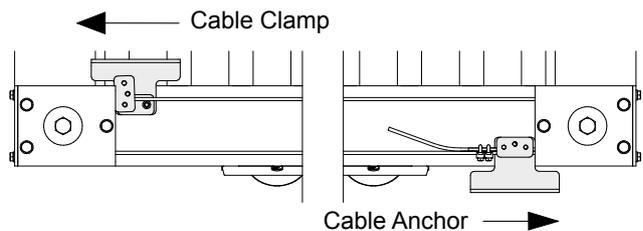


5

Slide the Cable Clamp and Anchor to the ends as shown.

Hold the top Cable Clamp against the pulley and tension the cable.

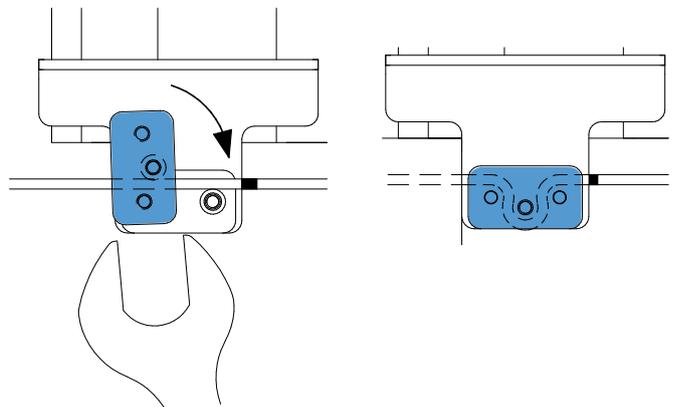
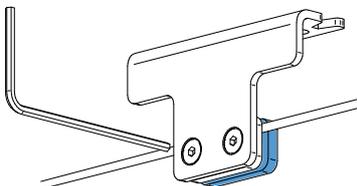
Mark cable as shown.



6

Slide Cable Clamp towards centre of gate. Place the Cable Clamp beside the mark. Twist the Brake (blue) to lock the cable.

Tighten the Brake.

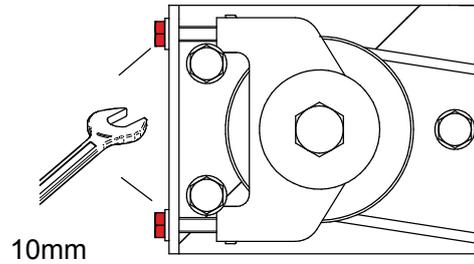


LEAF ONE HARDWARE INSTALL

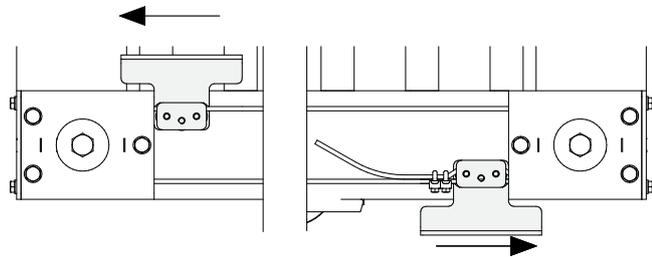
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6

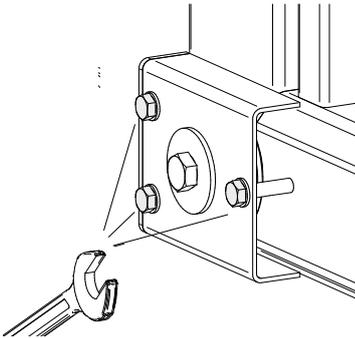
Remove freeplay from the cable with 10mm tensioner bolts on both ends. It's okay for it to have some tension.



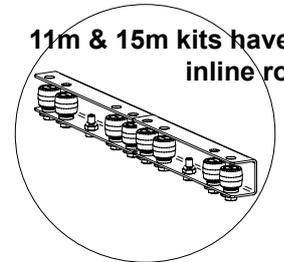
Check both pulley clamps sit against the pulleys.



Tighten 13mm pulley & 17mm wheel bolts both ends.

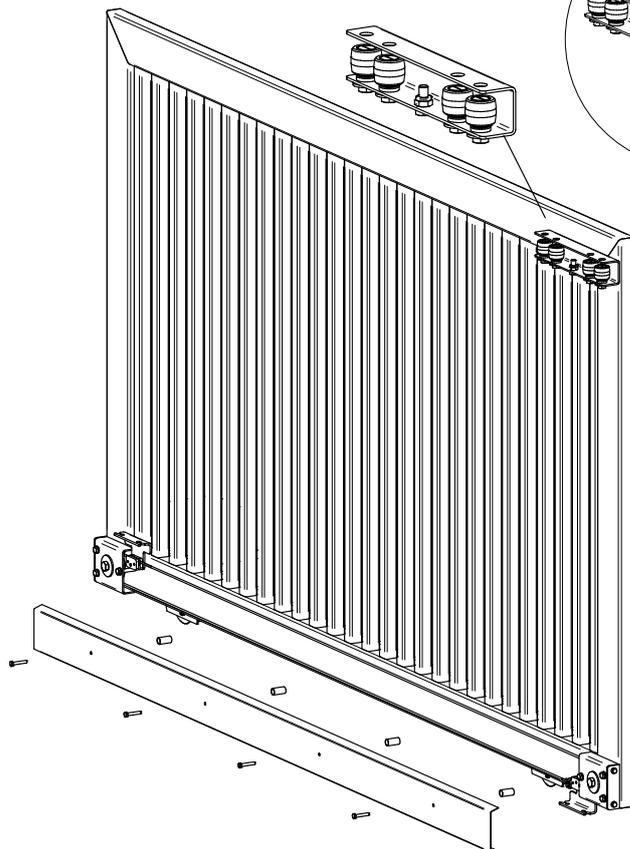


11m & 15m kits have two inline rollers

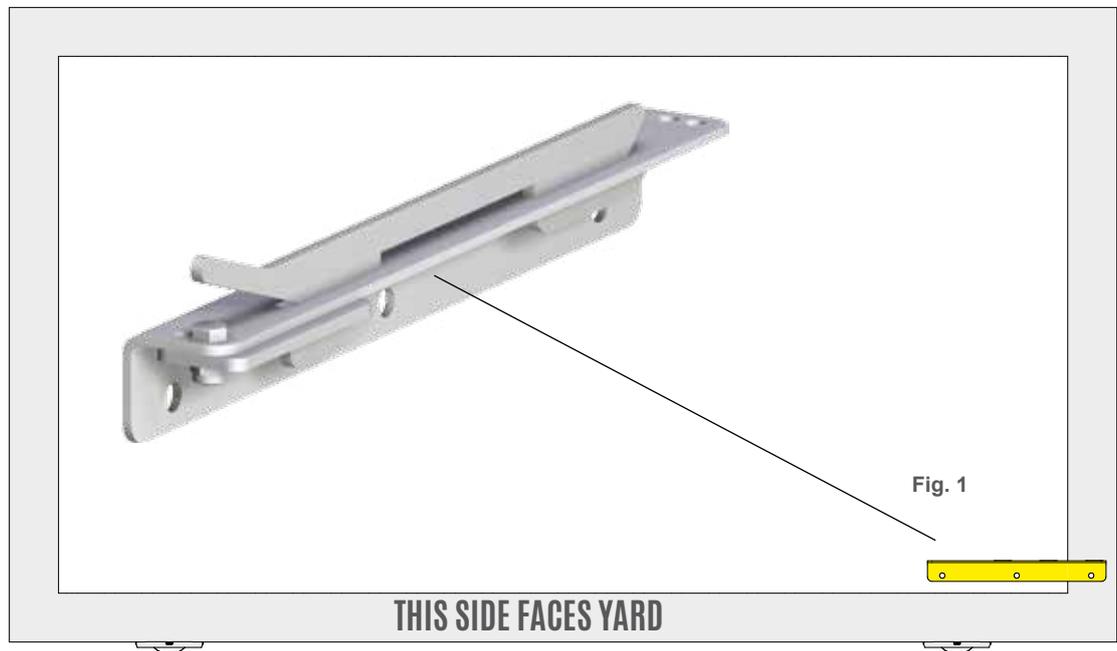


7

Mount inline rollers and attach the Pulley Cover



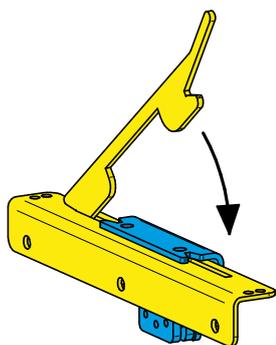
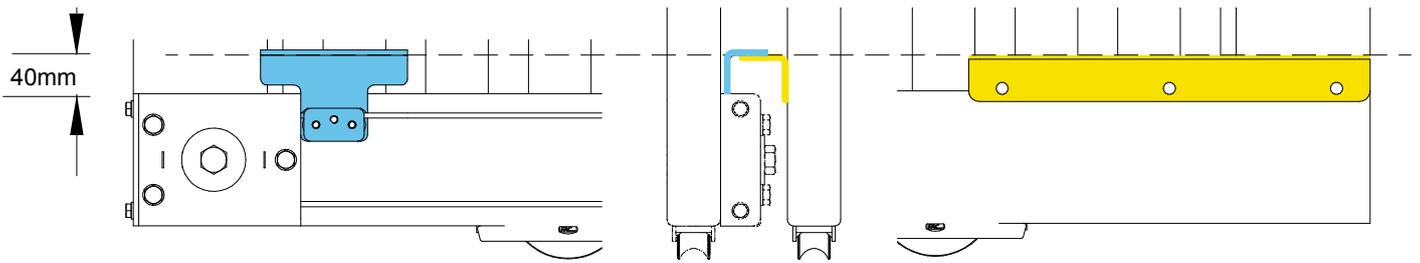
LEAF ONE FABRICATION



QUICK COUPLER POSITION

Using 100x50 bottom channel? The Quick Coupler may need a fabricated mount (see Fig. 1).

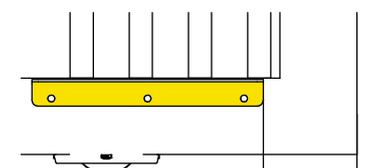
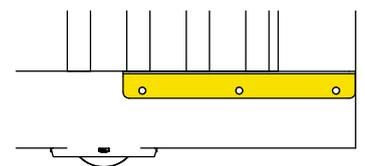
Match the Quick Coupler (yellow) height to the Cable Clamp (blue).



4m & 8m PACK

11m & 15m PACK

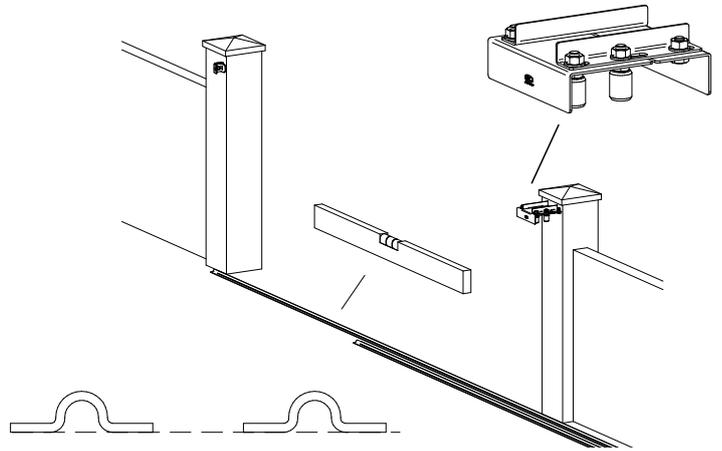
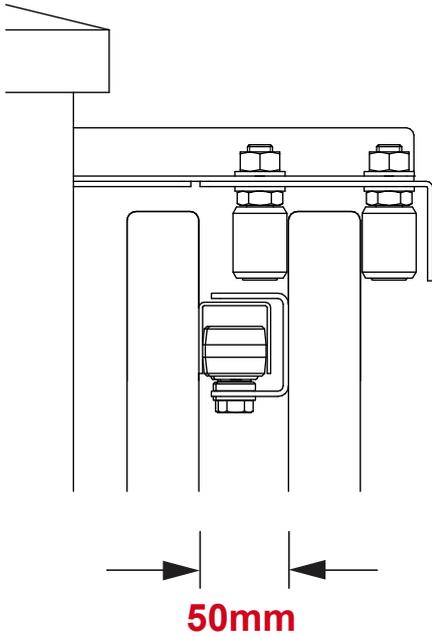
NOTE
Gates 8m+
Quick Coupler is
mounted 100mm
in from the gate edge.



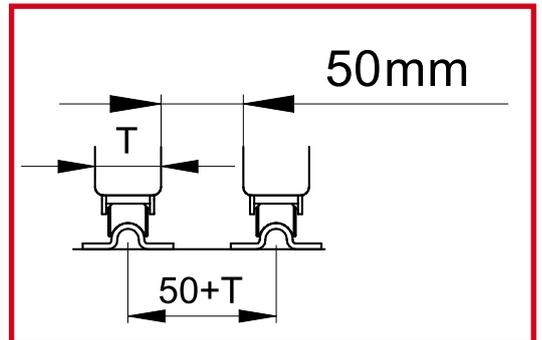
100

LEAF ONE INSTALLATION

- 1 Mount the Top Guide, bolt both Tracks in place. Keep a constant gap between Tracks (below)

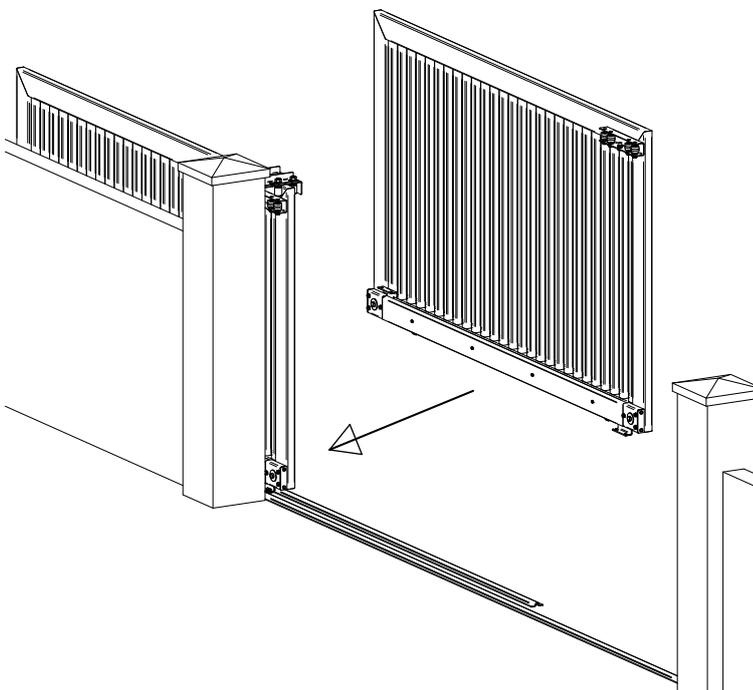


IMPORTANT



Keep a 50mm gap between leaves.

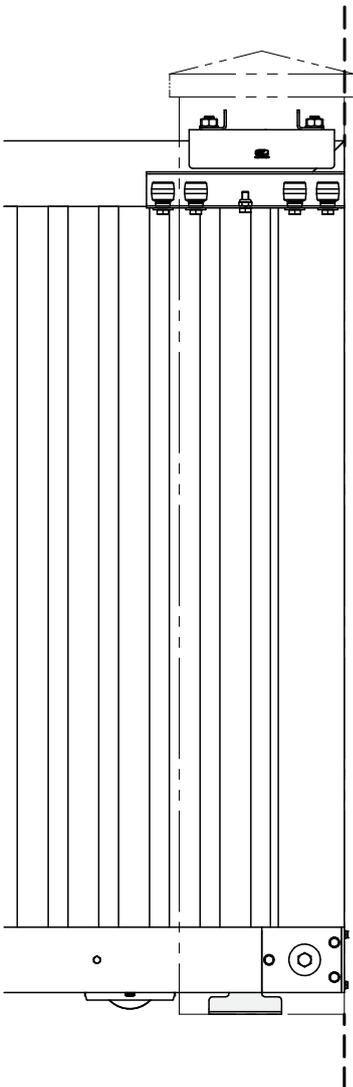
- 2 Slide Leaf 1 into the Top Guide on the short track.



TIP Block the wheels to stop the leaf sliding off

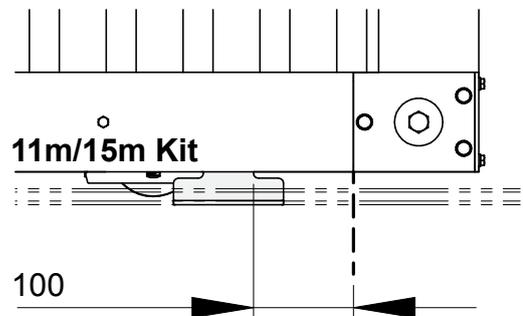
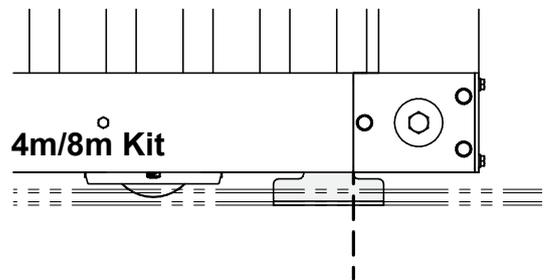
LEAF ONE INSTALLATION

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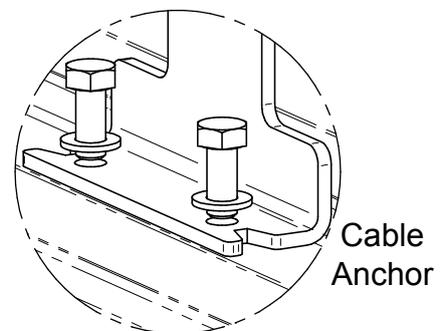
- 3** With Leaf One open, bolt the Cable Anchor between the tracks to the concrete pad using Blue Tip bolts (6.5mm).

Note the different mount points for each kit (below).



BOTTOM MOUNT WHEELS

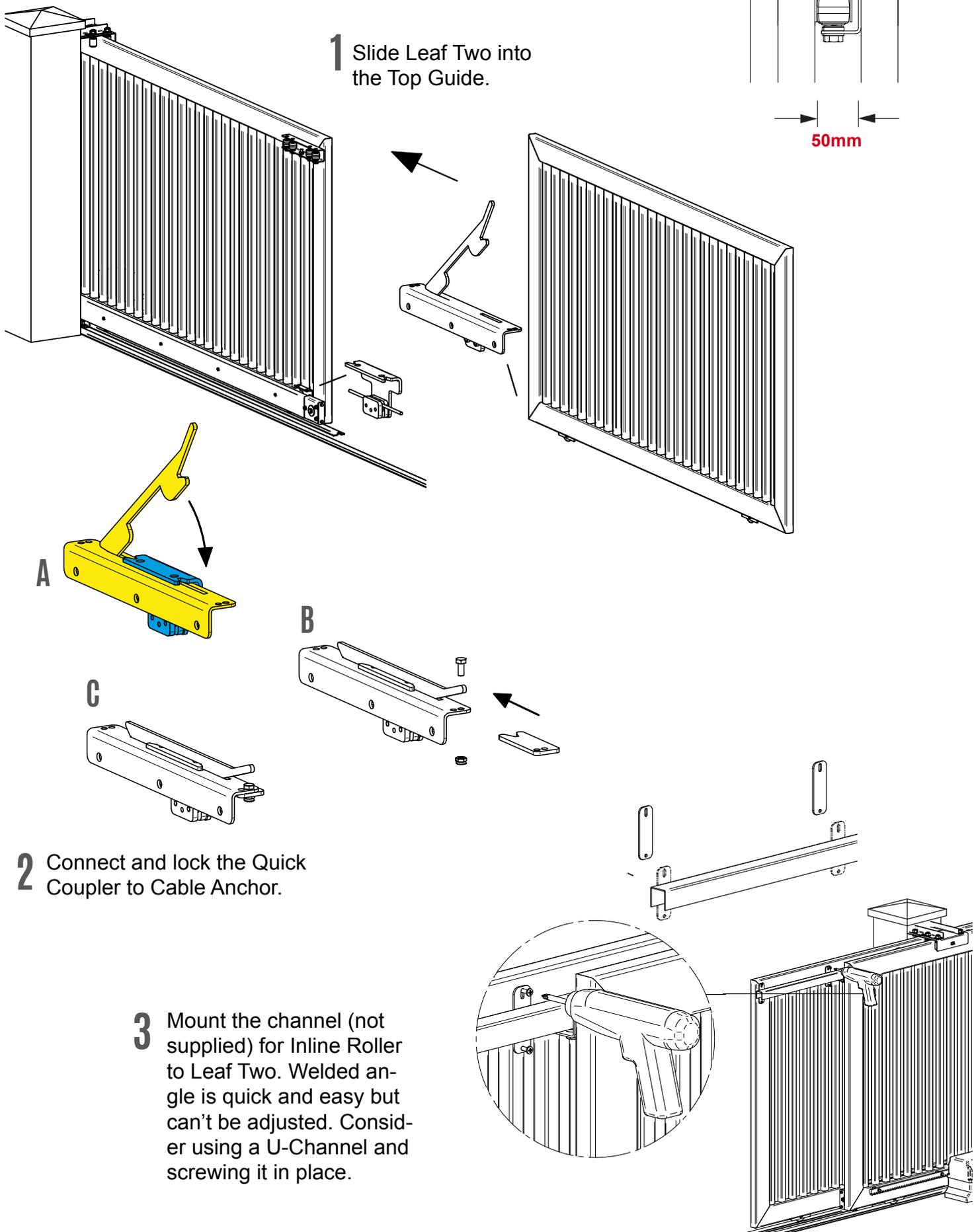
Telescopic Gates are designed to be used with recessed wheels. If bottom mount wheels have been installed, you'll need to fabricate a platform to mount the Pulley Clamp. 80mm wheels need an anchor 50mm high; 100mm wheels need one 70mm high.



NOTE

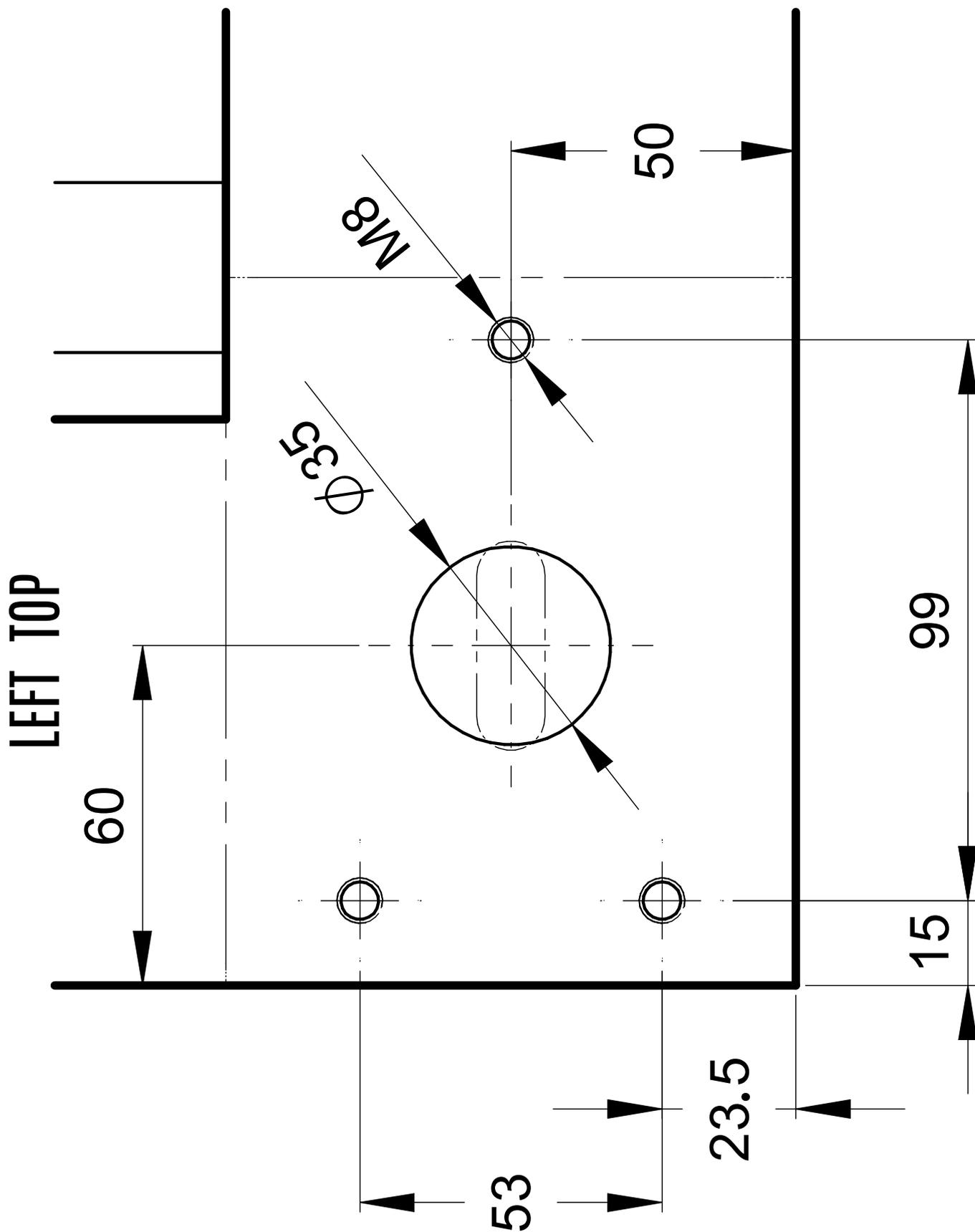
Bottom Mount Wheels on automatic gates are a safety hazard. In Europe they are banned on automatic gates. If a foot was ever caught it would risk potential amputation and legal action against the installer.

LEAF TWO INSTALLATION



PULLEY HARDWARE TEMPLATE

(ACTUAL SIZE)



PULLEY HARDWARE TEMPLATE

(ACTUAL SIZE)

