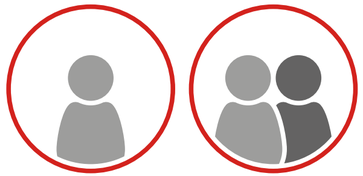
Designed for DIY...

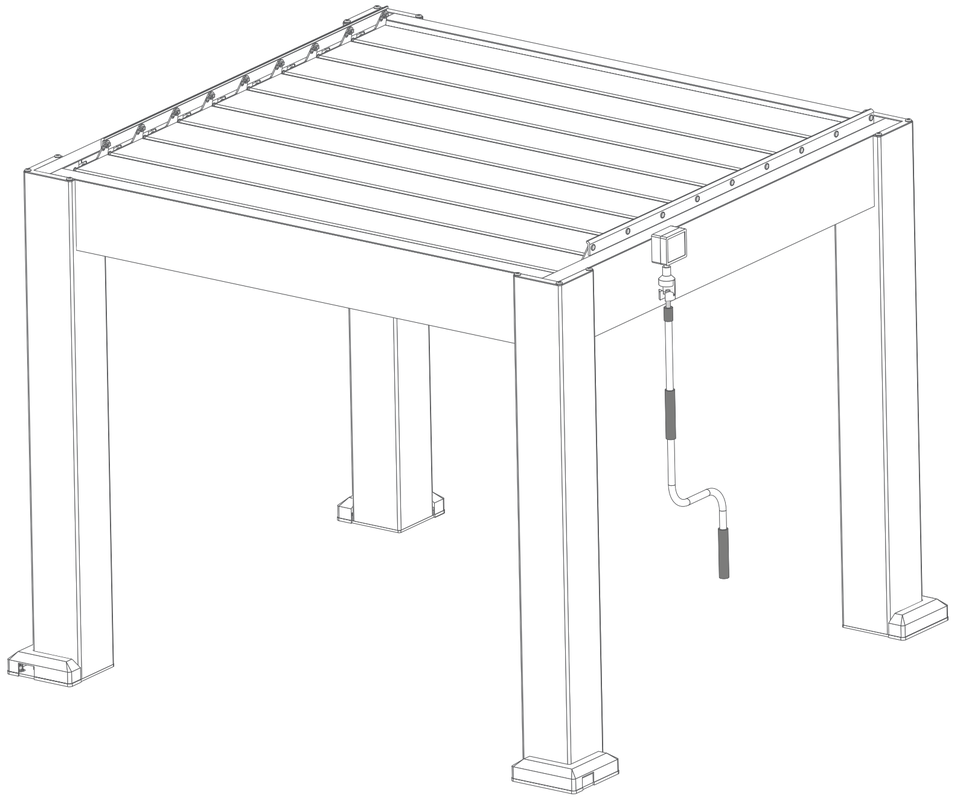
Our Pergolas are designed to be installed at home, without specialist fitters, even if you don't have much DIY experience.

However, we STRONGLY recommend that you do not attempt the installation alone, due to the weight and size of the product. We recommend at least 3 people for this installation.



Not recommended

Recommended



Please read each page of this guide carefully during installation, following along one step at a time.

NOTE: The product shown in this guide is not drawn to scale

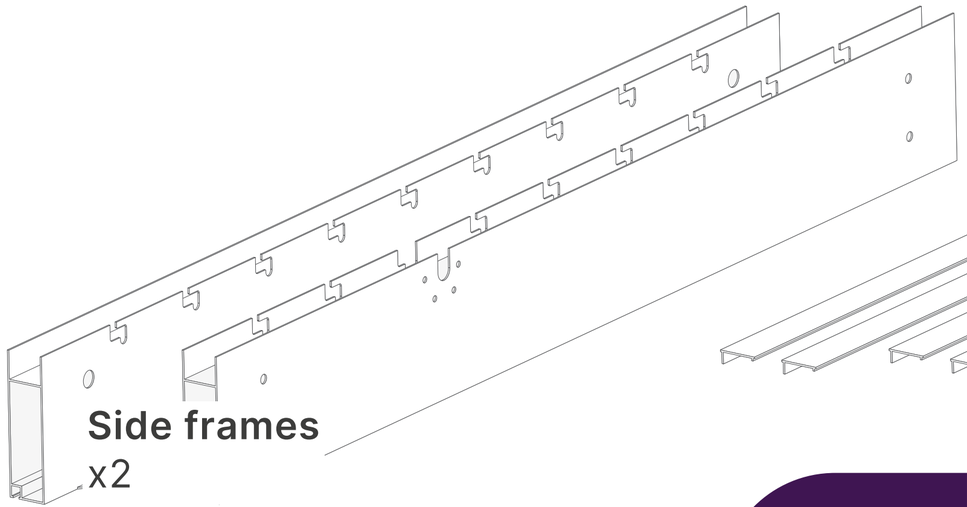
Tools required for this install:

- Handheld drill *
- 4mm Allen key
- 8mm Allen key / hex driver bit *
- 12mm masonry drill bit
- 3mm HSS drill bit
- Phillips screwdriver / Phillips driver bit *
- Mallet / hammer *
- Adjustable wrench / 16mm spanner
- Spirit level *
- Step ladder *
- Chalk / marker

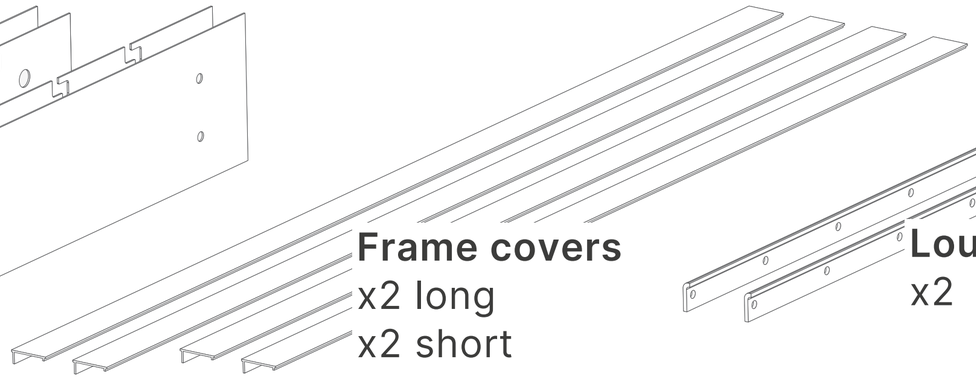
* Remember, at least 3 people are required for this install, so you may find it easier to have 2 of each of the listed parts.

If you don’t have a large enough area of solid concrete on which to install the Pergola, you will need to create concrete foundations for it. For this you will need cement and a means to mix it, and a spade to dig out holes for these foundations.

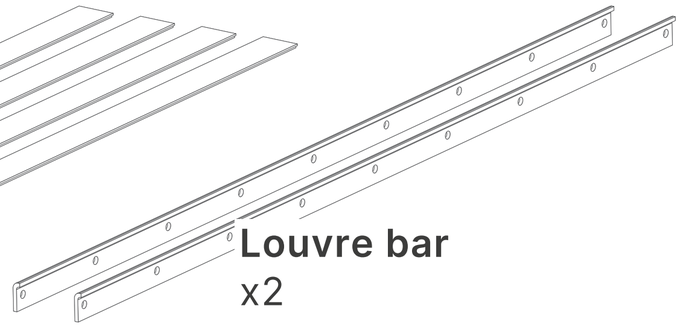
Larger parts contained in your order:



Side frames
x2



Frame covers
x2 long
x2 short



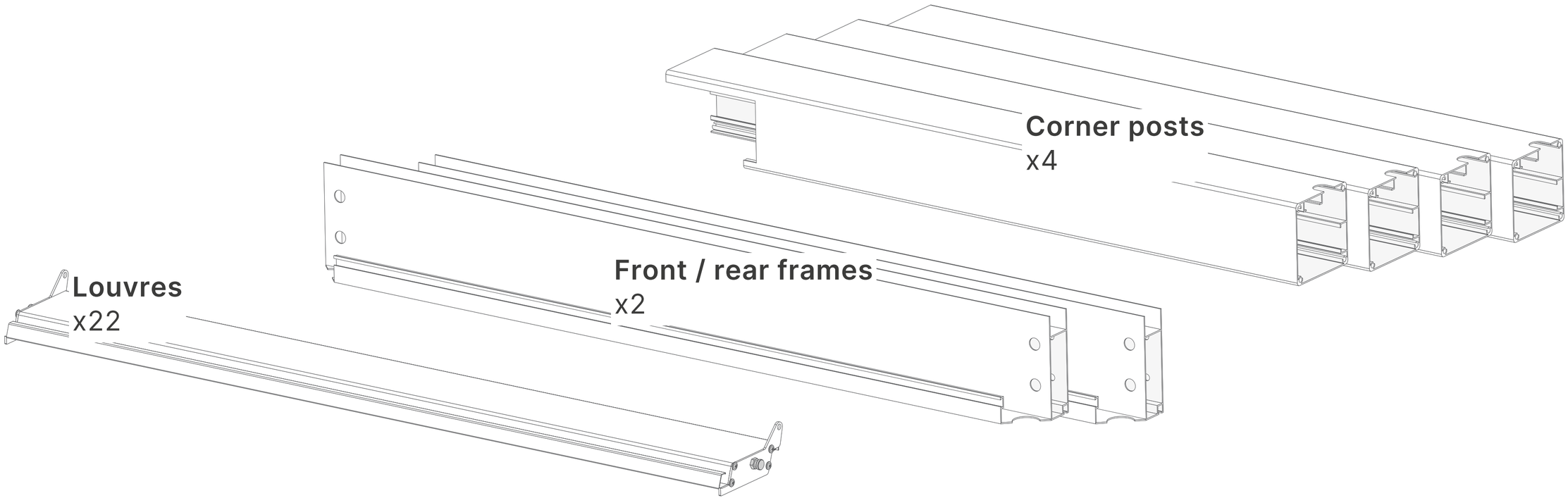
Louvre bar
x2

Crank handle
x1

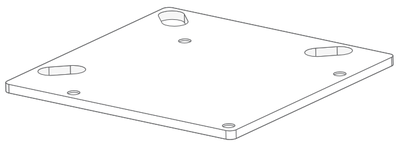
TOP TIP

The frame covers and louvre bars are wrapped together inside one of the side frames. Slide these out and put to one side before starting.

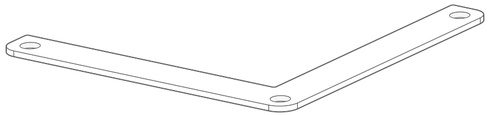
Larger parts contained in your order (continued):



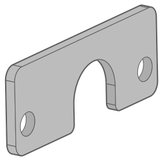
Smaller parts contained in your order:



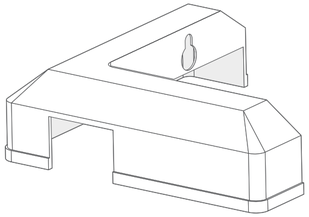
Ground plates
x4



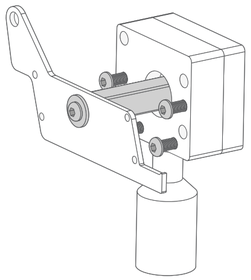
L-plates
x4



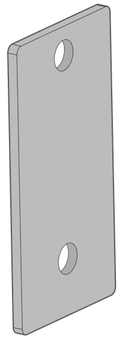
Crank fixing plate
x1



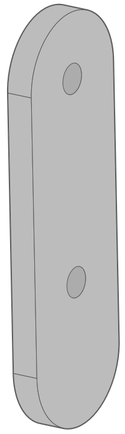
Ground plate covers
x1



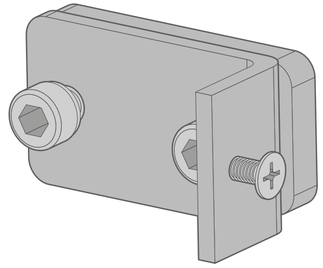
Crank mechanism
x1



Frame fixing plate (inner)
x8

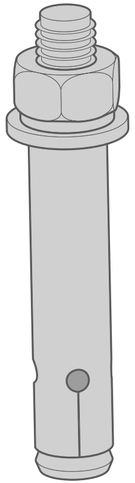


Frame fixing plate (outer)
x8

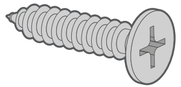


Post fixing bracket
x8

Fixings contained in your order:

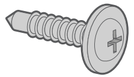


75mm anchor bolts
x12

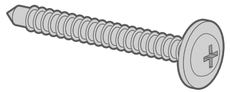


20mm screws for ground plates
x16

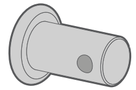
12mm screws for L-plates
x12



19mm screws for louvre plate
x4

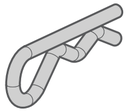


38mm screws for ground plate covers
x4

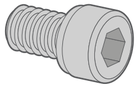


Fixing bolts for louvre bars
x46

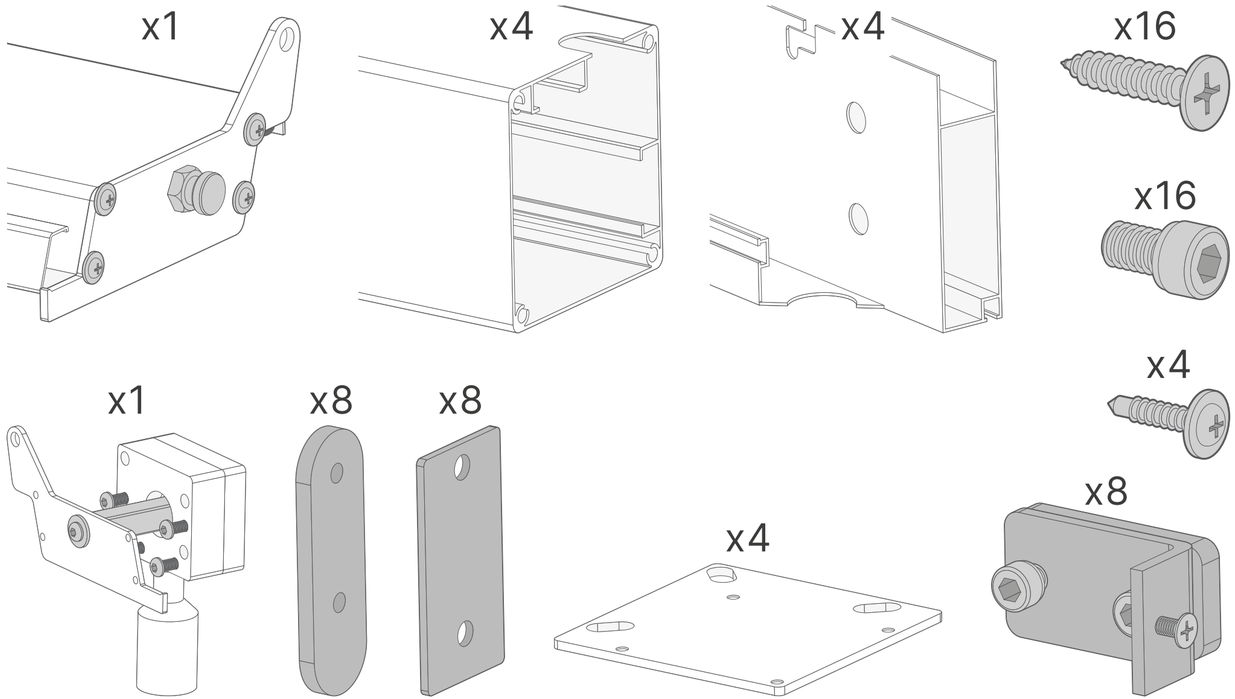
Fixing bolt washers
x46



Fixing bolt R-clips
x46



Frame fixing bolts
x46



Parts & tools required for this section:

Parts

• Corner posts	x4
• Ground plates	x4
• Louvre	x1
• Frame fixing plates (both)	x4
• Post fixing brackets	x8
• 20mm screws	x16
• 19mm screws	x4
• Frame fixing plate bolts	x16

Tools

- Handheld drill
- Phillips driver bit
- Phillips screwdriver
- 4mm Allen key
- 8mm Allen key

Fig.1

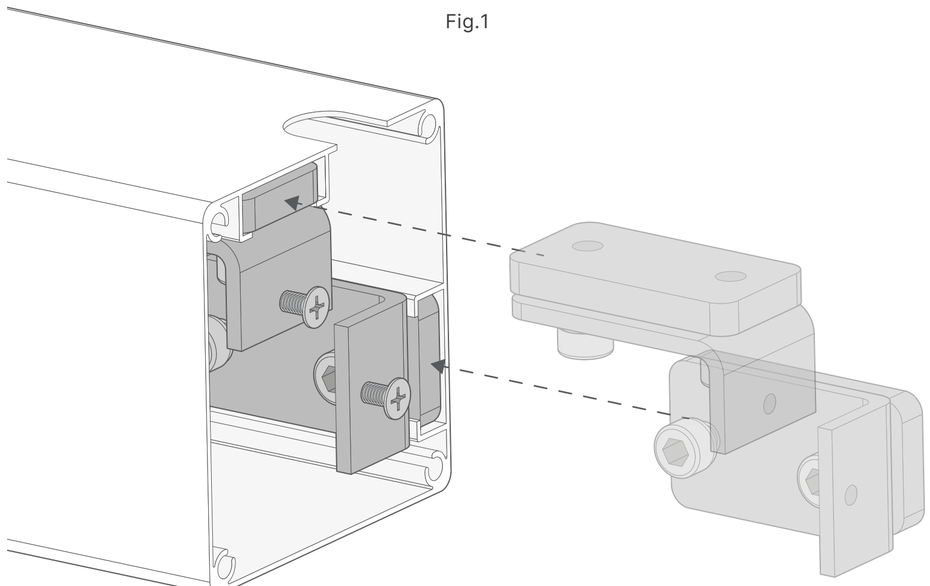


Fig.2

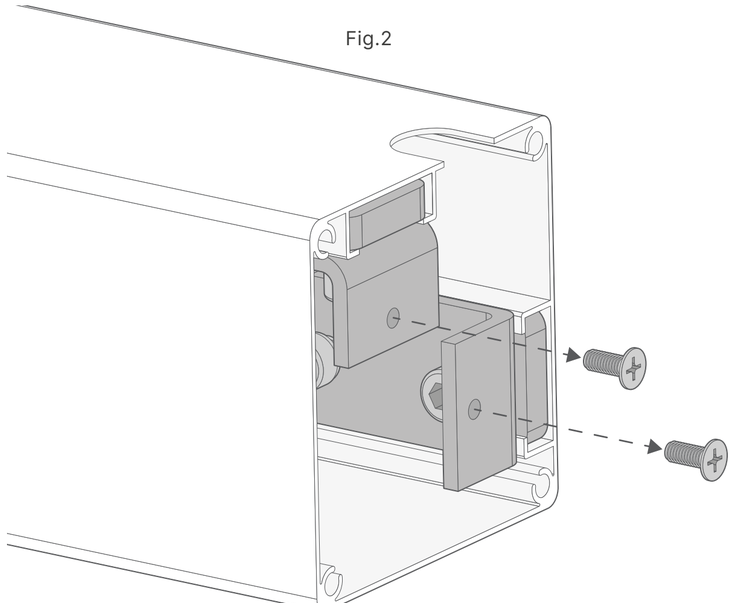
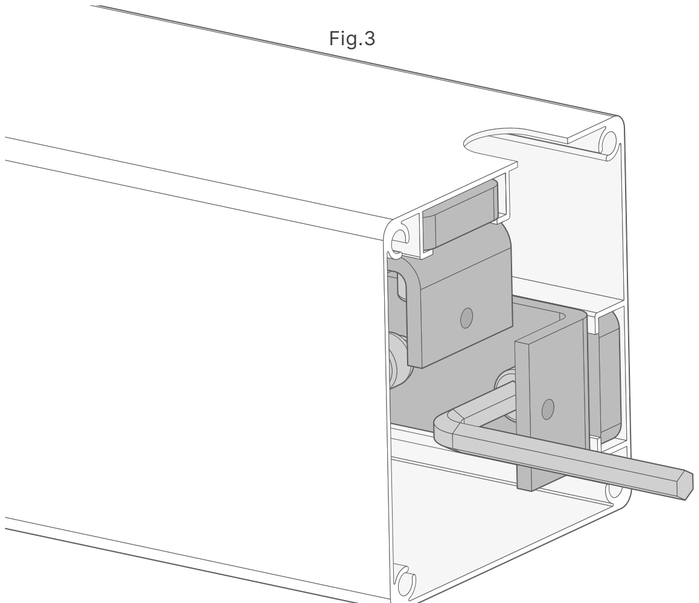


Fig.3



Insert 2 post fixing brackets into the bottom of each post. The thicker sections of the brackets should slide into the rectangular channels inside the post, with the ‘L’ of the bracket flush with the bottom of the post, facing inwards (Fig.1). Remove the smaller bolts from the bottom of each bracket and keep them to one side for the next step (Fig.2). Use your 8mm Allen key to tighten the retaining bolts in each bracket and secure them in position (Fig.3).

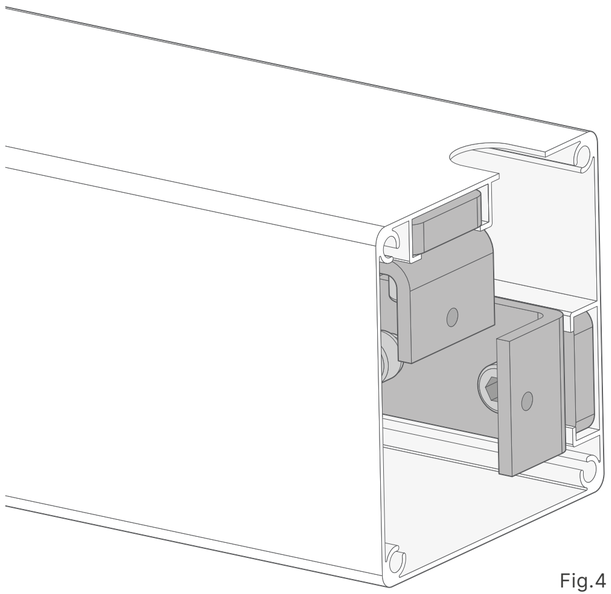


Fig.4

Lay the posts on the ground, drainage holes facing up (Fig.4).

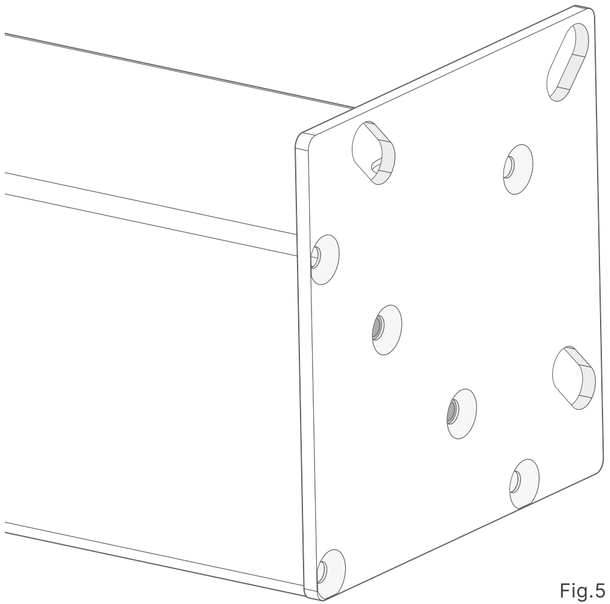


Fig.5

Each ground plate will attach to each post the same way - **the countersunk holes should be facing away from the post, and the plate rotated so that the anchor holes are pointing up and right (Fig.5).**

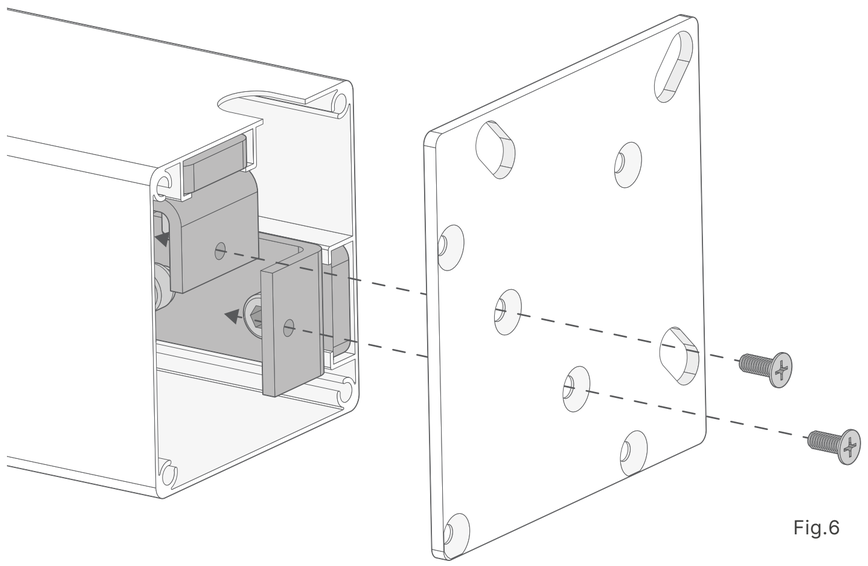


Fig.6

Reinsert and tighten the bolts you removed from the post brackets through the matching holes in the ground plates (Fig.6).

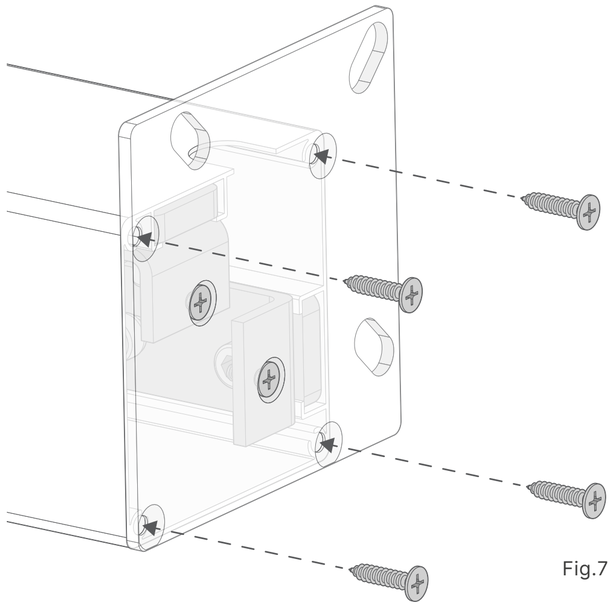


Fig.7

Tighten 4x 20mm screws in the other 4 screw holes in each ground plate (Fig.7). **These screws will be very tight to screw in - use your drill with a tight fitting driver bit, making sure that it’s set to rotary and a high torque setting.**

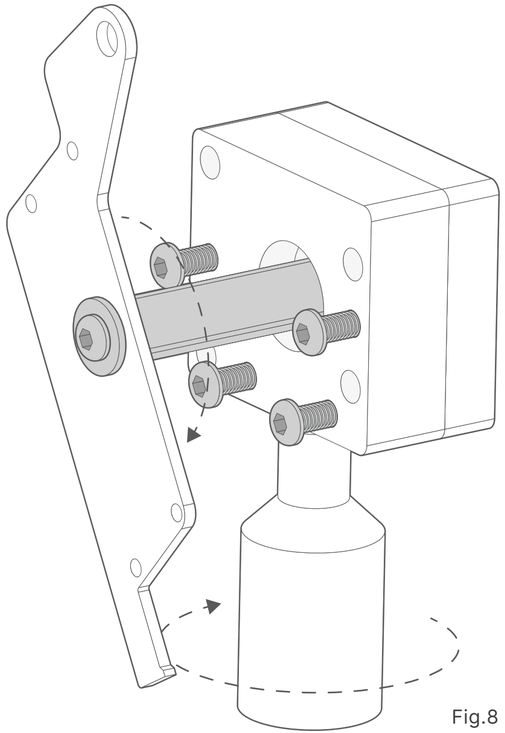


Fig.8

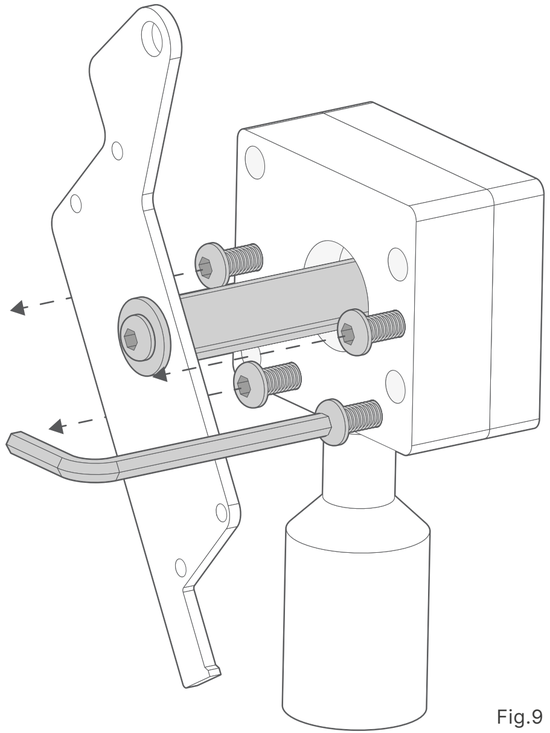


Fig.9

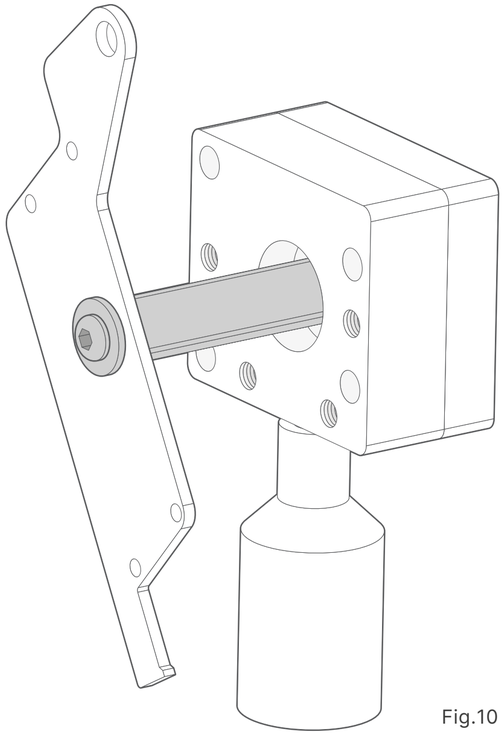


Fig.10

Twist the crank handle to rotate the louvre plate so you can access the 4 bolts in the face of the crank mechanism (Fig.8).

Use a 4mm Allen key to remove all the bolts from the crank mechanism, except for the bolt that's holding the louvre plate in place (Fig.9 / 10).

Keep the other bolts safely to one side for now, you'll need them later.

Take one of the louvres (you can use any, they’re all the same) and unscrew the screws to remove the plate on the end (Fig.11).

Use 4x 19mm screws (either the ones you just removed, or fresh ones) and a Phillips screwdriver to attach the control louvre plate to the end of the louvre (Fig.12 / 13). Put this assembly to one side for later.

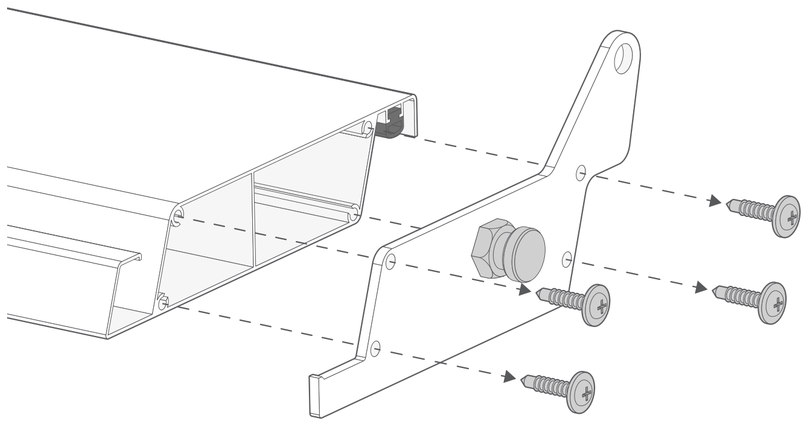


Fig.11

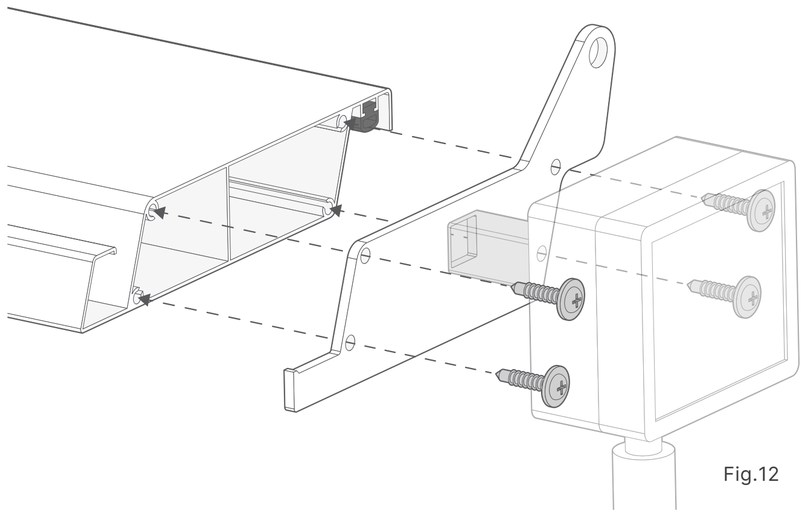


Fig.12

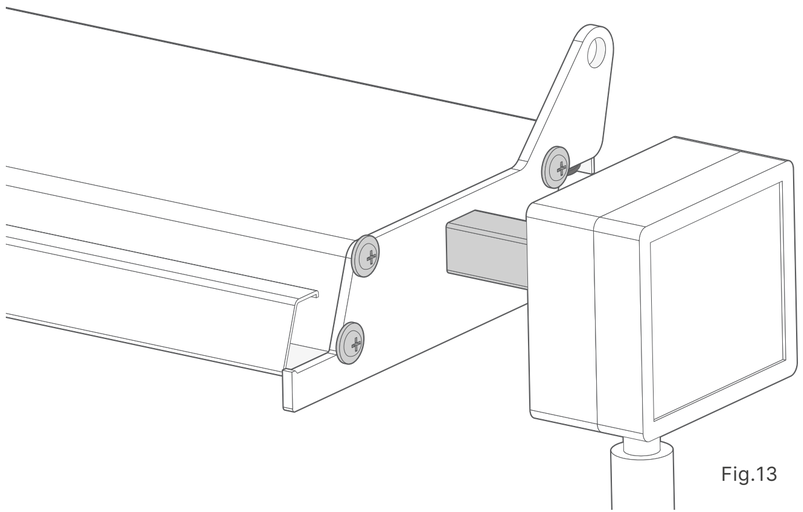


Fig.13

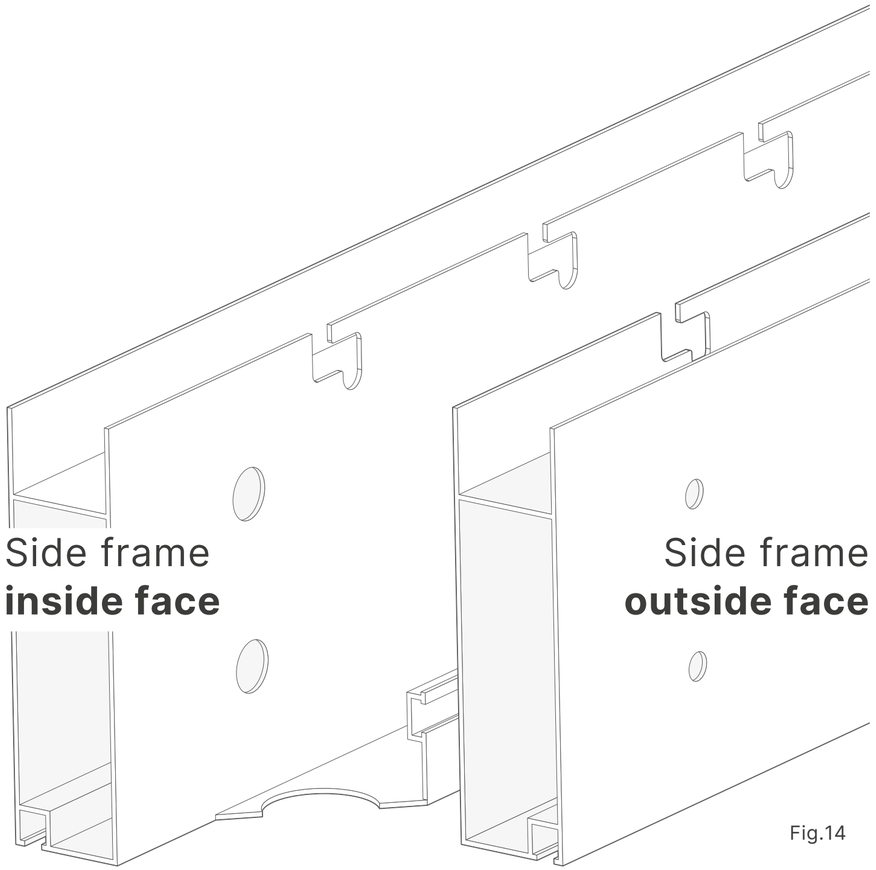
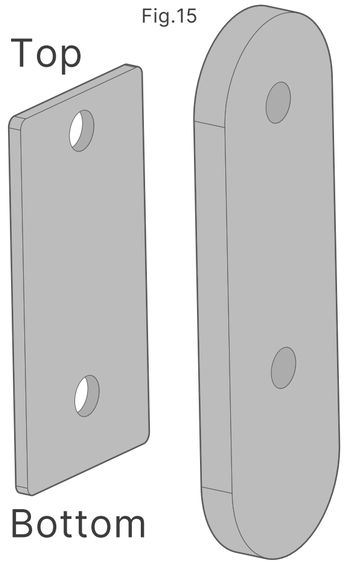


Fig.14

Next, take the 2 side frames and 2 front/rear frames and stand them up as shown in Fig.14. Keep in mind for the next step the holes in the sides of the frame. The ‘inside’ face of the frame has wider holes than the ‘outside’ face of the frame.

Fig.15



Also take a moment to gather the inside and outside fixing plates.

You’ll see that the holes in each are slightly offset - Fig.15 shows which is the top of each plate and which is the bottom.

The next step is to attach the frame fixing plates to the frame pieces. **Do the following for each of the 4 frame pieces, at both ends:**

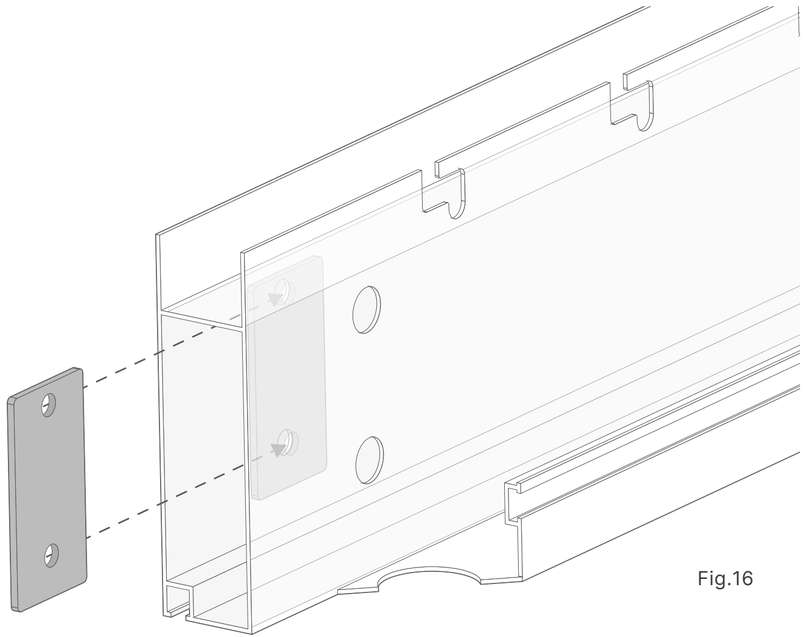


Fig.16

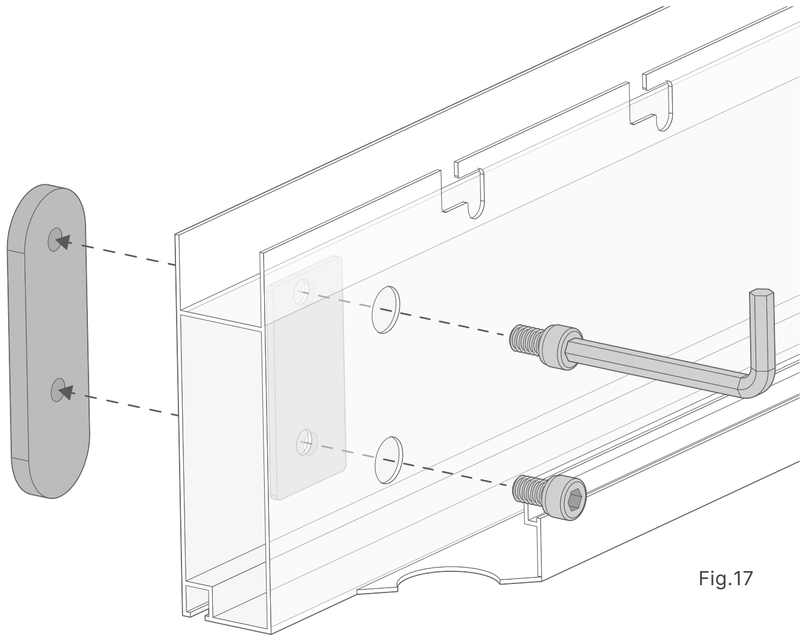


Fig.17

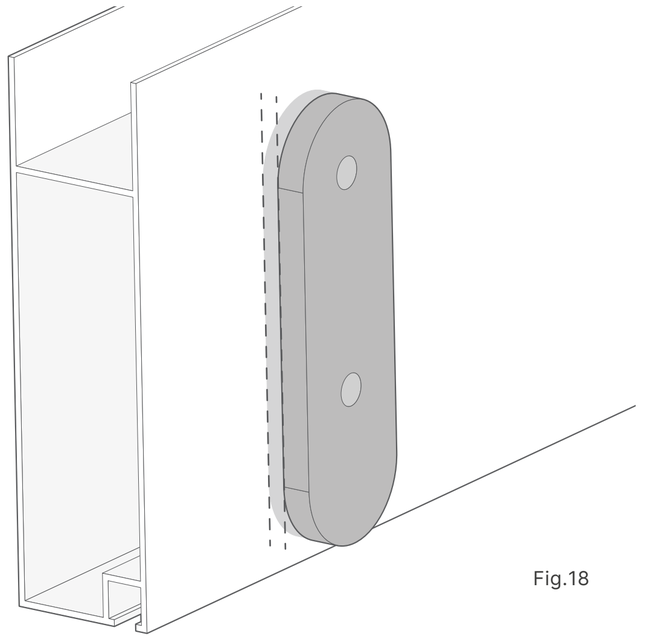
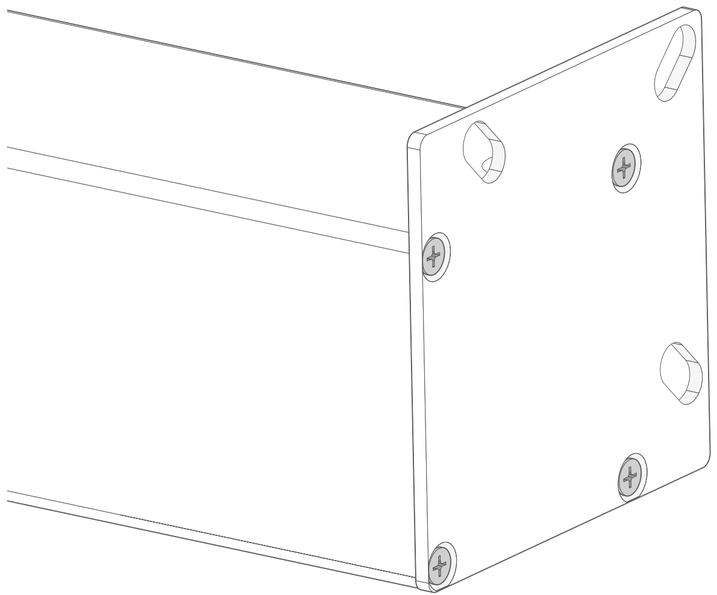


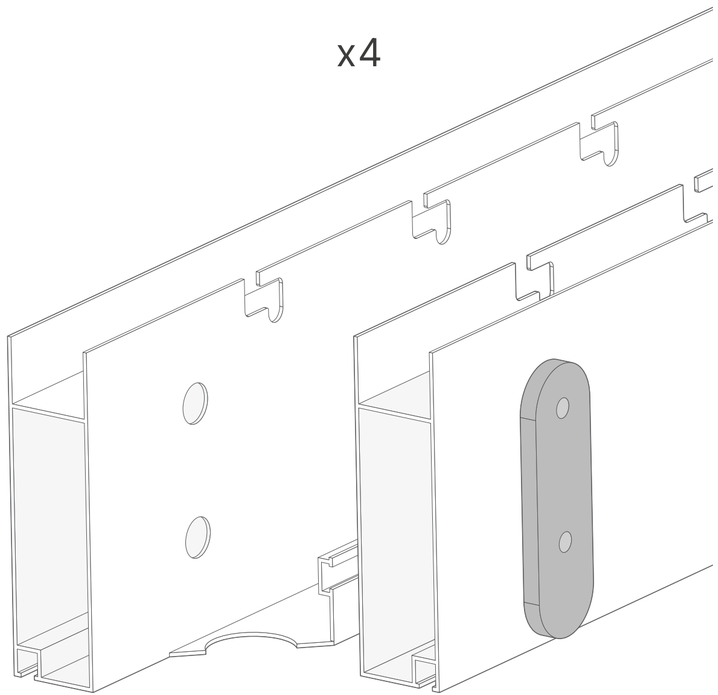
Fig.18

Slide the inner fixing plate into the end of the frame and hold it with its holes lined up with the screw holes on the inside of the frame (Fig.16). Insert the fixing plate bolts through the wider holes in the frame, through the inner fixing plate, connecting to the outer fixing plates lined up on the outside of the frame (Fig.17). Don’t fully tighten the bolts, make sure there are a few millimetres of space between the outer fixing plate and the outside face of the frame (Fig.18).

x4



x4



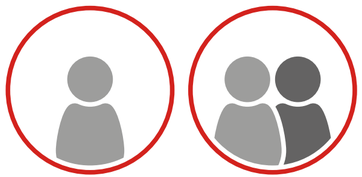
Parts & tools required for this section:

Parts

- Corner posts x4
- Frame pieces x4

Tools

- Mallet / hammer
- Step ladder



Not recommended

Recommended

Turn over two posts so the ‘open’ sections at the top are facing up. Slide one of the side frames into the top of the posts (Fig.19). The locating plate on the outer face of the frame should slide into the innermost channel in the top of each post (Fig.20). If you find the side frame a tight fit then you can use your mallet or hammer to tap it into position.

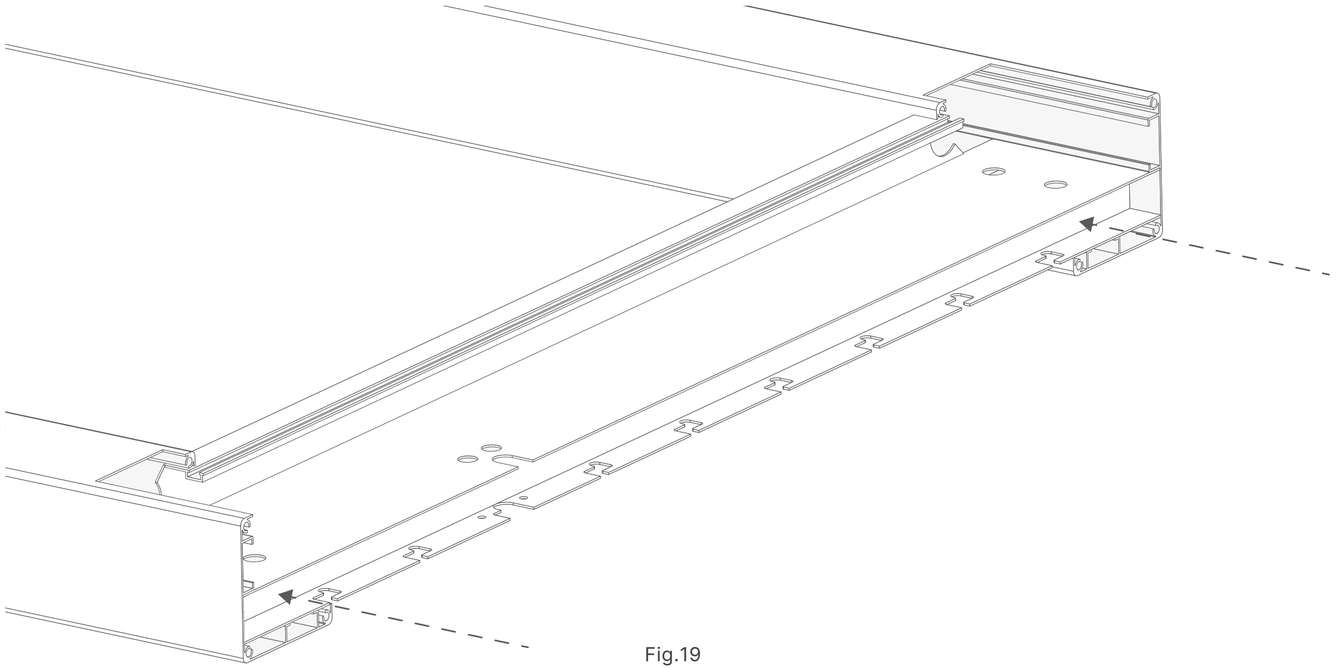


Fig.19

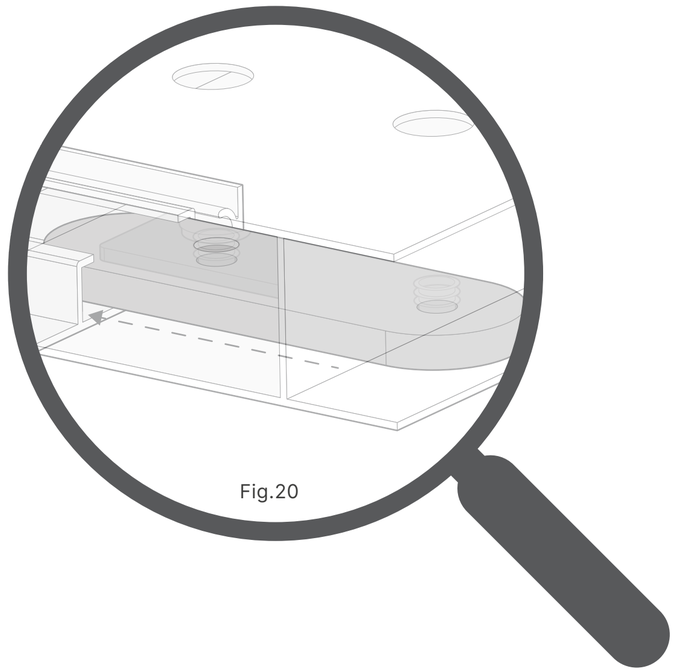


Fig.20

Using at least 2 people, raise the assembled side up to standing (Fig.21). If you've created concrete foundation squares for the corners then the ground plate at the bottom of each post should be centred on its square (Fig.22).

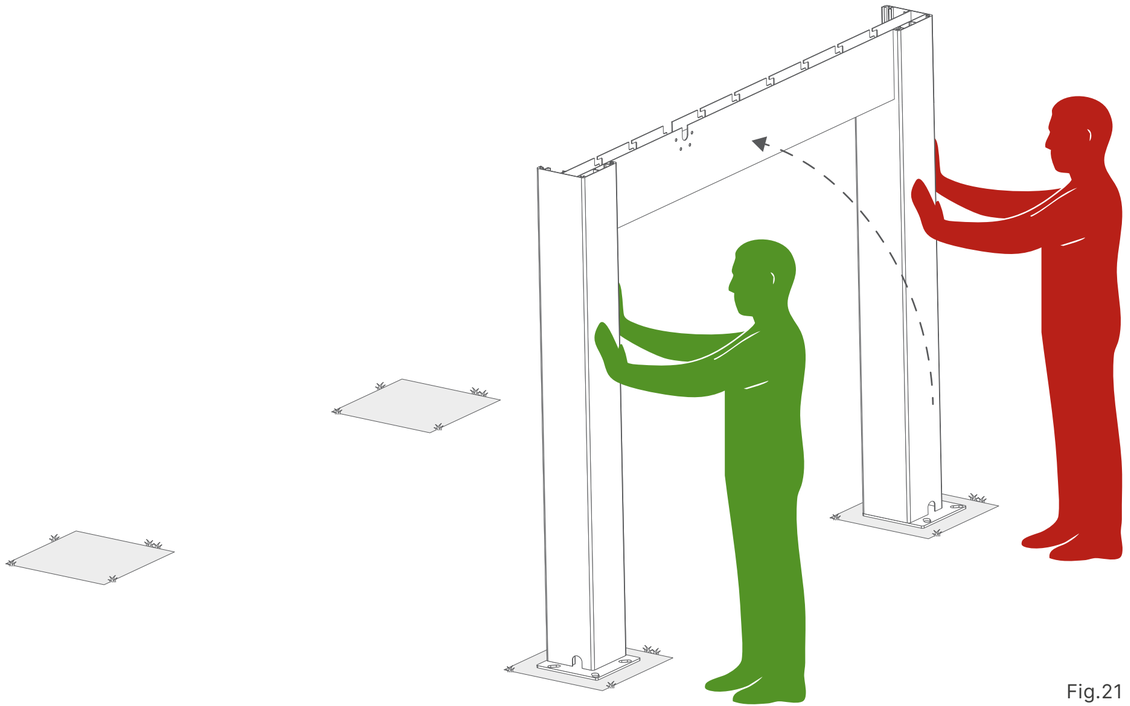


Fig.21

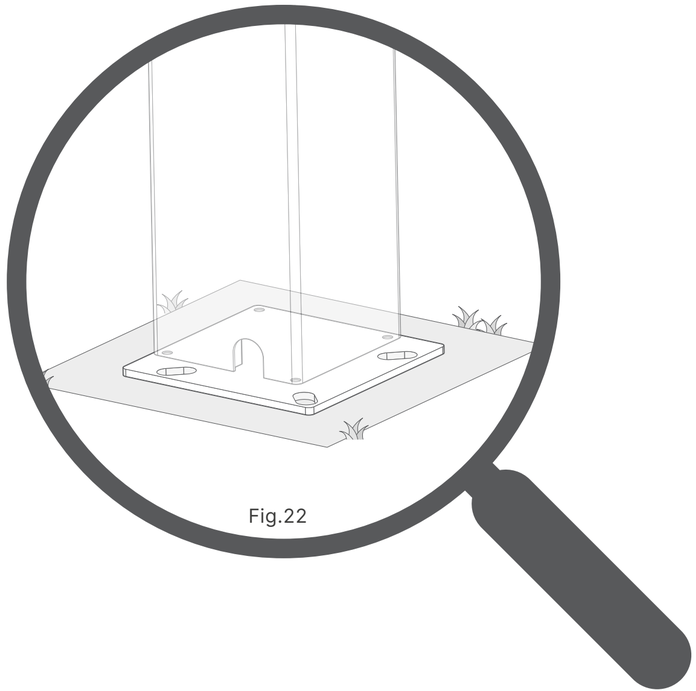


Fig.22

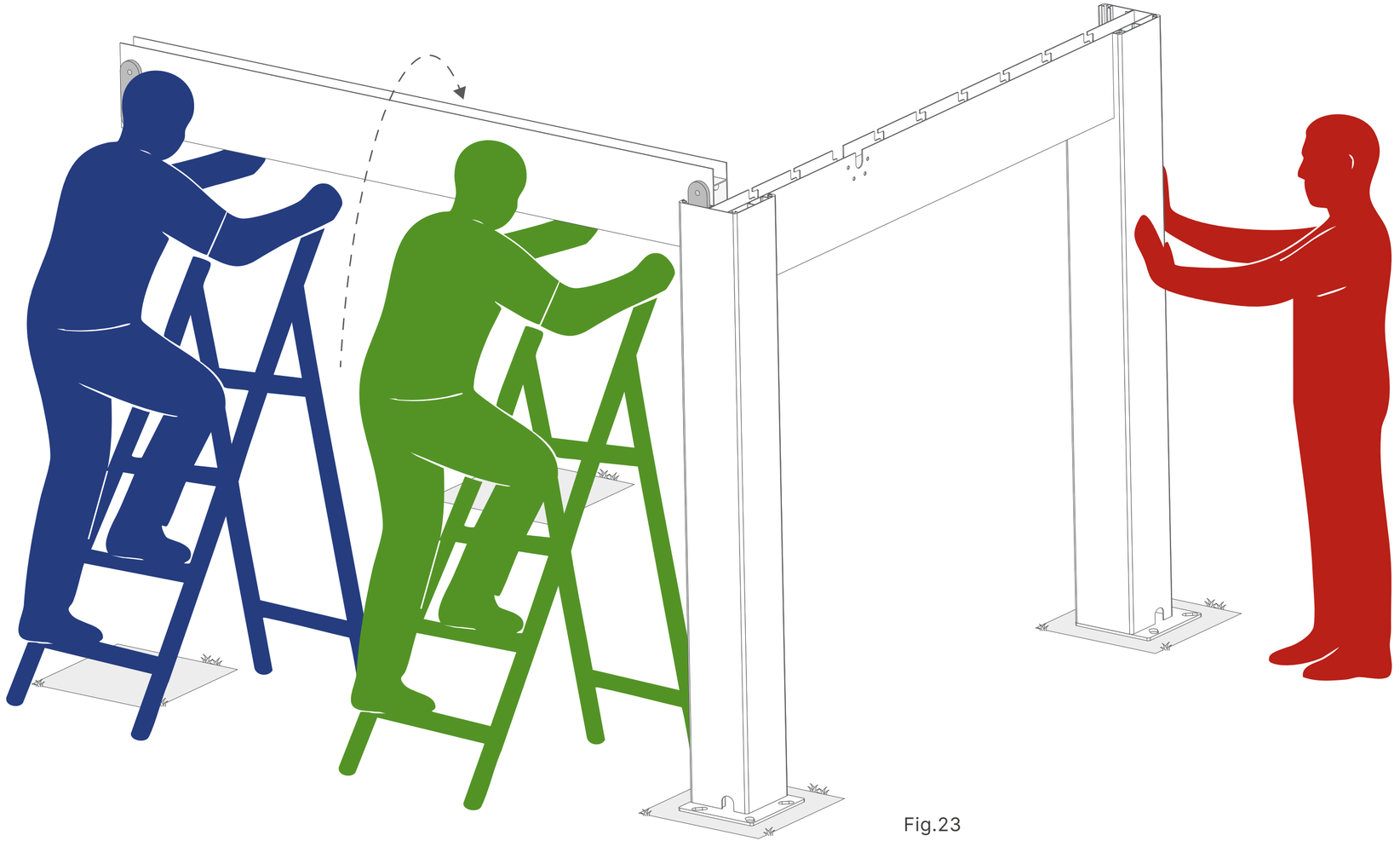


Fig.23

(Fig.23)

Installer 1:
Remain in place to hold the frame steady.

Installer 2 & **installer 3:**
Position your step ladders, then carefully lift one of the front / rear frames and slot it loosely into the post at the end of the side frame.

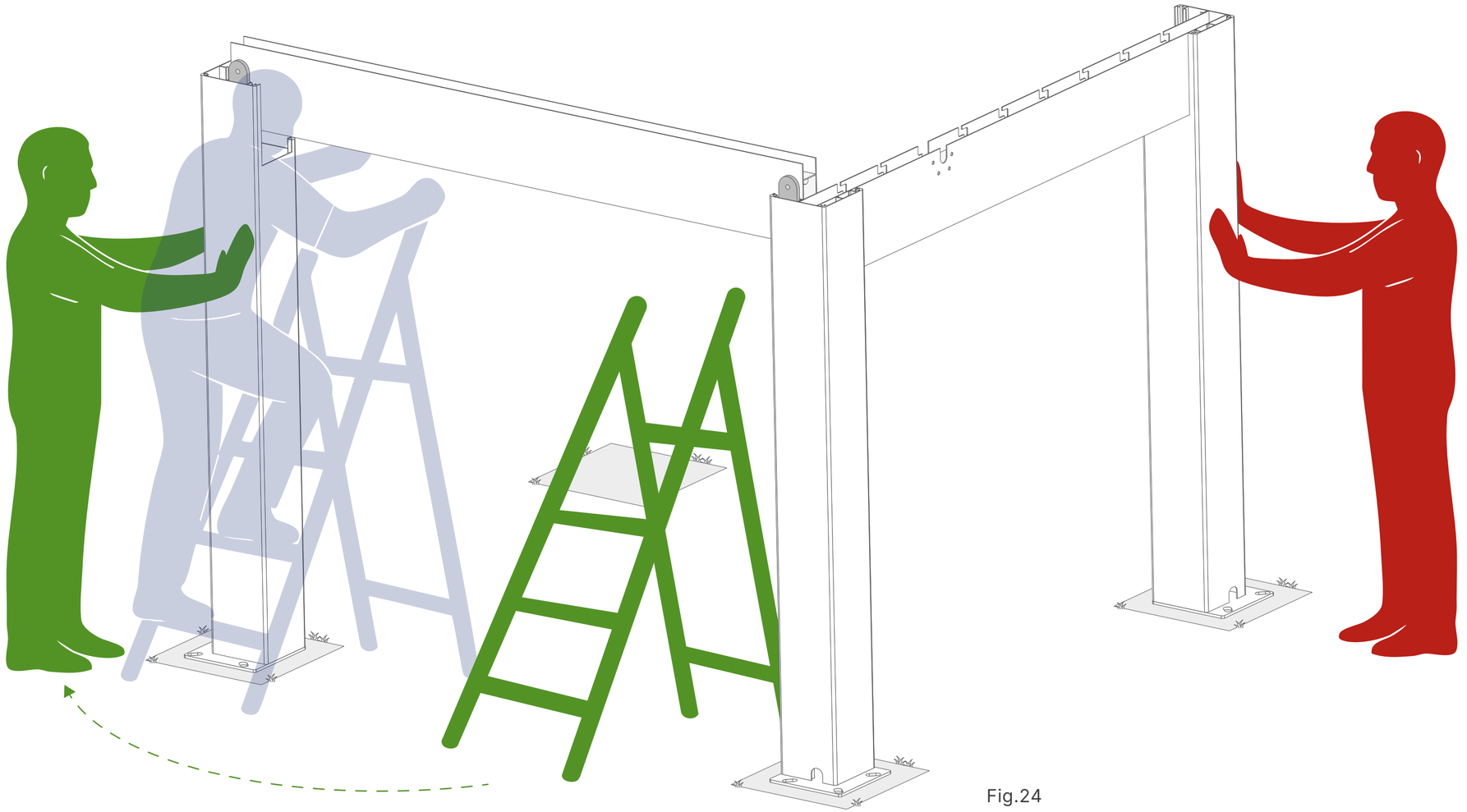


Fig.24

(Fig.24)

Installer 1 & **installer 3**:
Remain in place to hold the frames steady.

Installer 2:
Take one of the remaining 2 posts and lift it into position at the other end of the front / rear frame. **Installer 3** can then slot the loose end of the frame into the post.

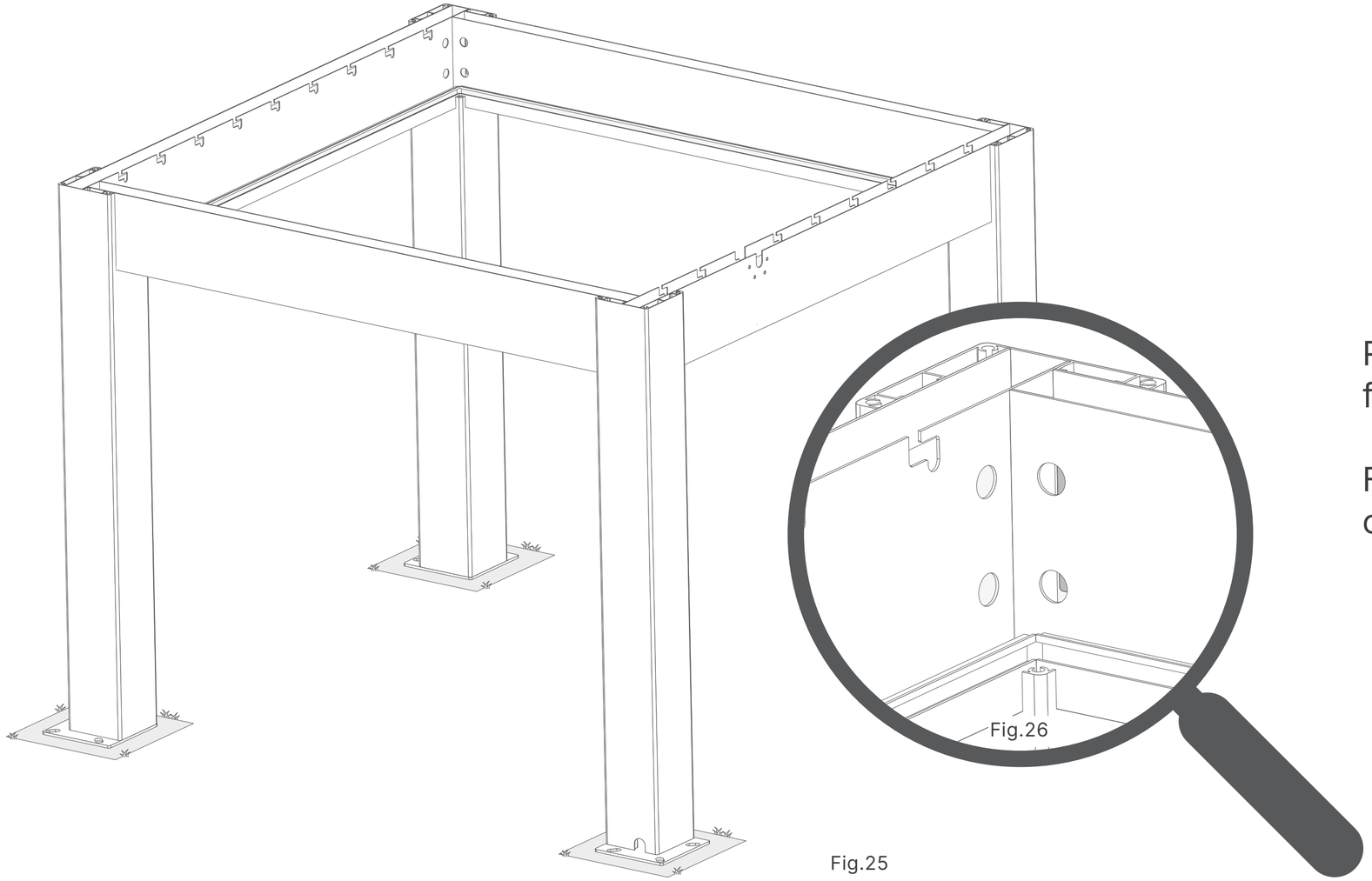


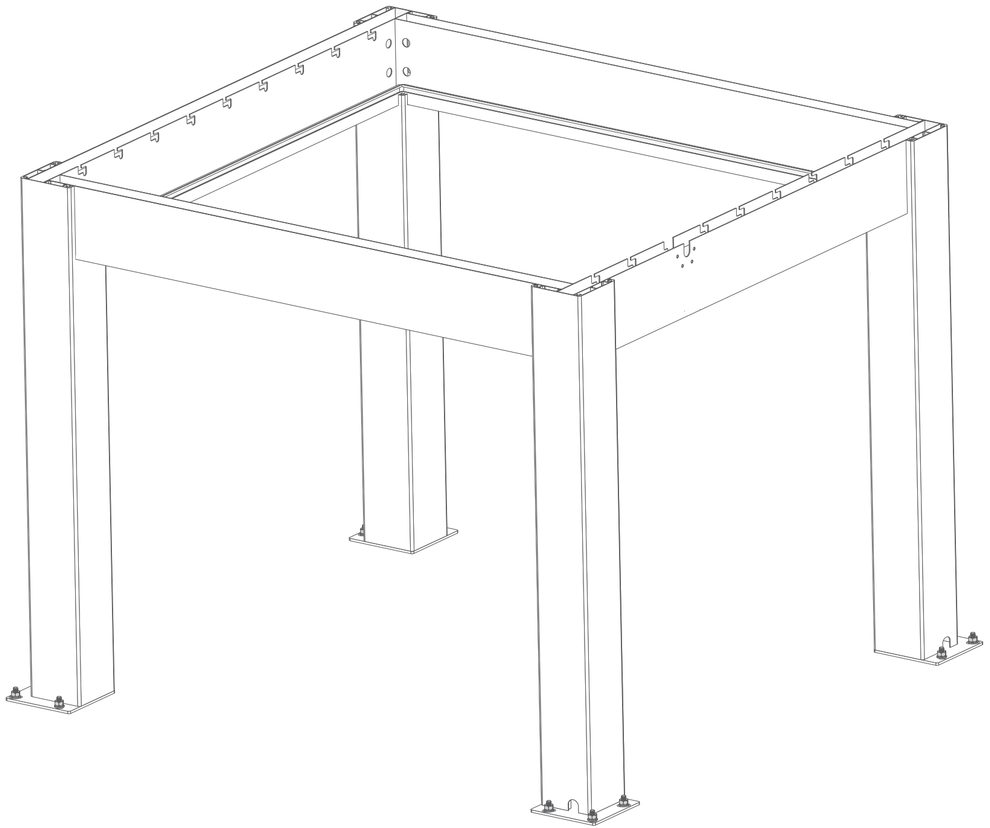
Fig.25

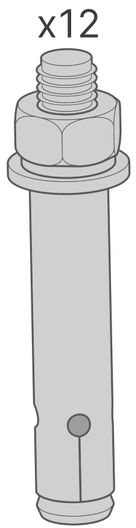
Fig.26

Repeat the process from section 3.4 until the frame is fully assembled (Fig.25).

Fig.26 shows how the horizontal frames should overlap when inserted into the posts.

SECTION 4 | POSITION & SECURE THE PERGOLA





Parts & tools required for this section:

Parts

- Assembled Pergola frame
- Anchor bolts x12

Tools

- Handheld drill
- 12mm Drill bit
- Mallet / hammer
- Adjustable wrench / 16mm spanner
- 8mm Allen key / hex drill bit

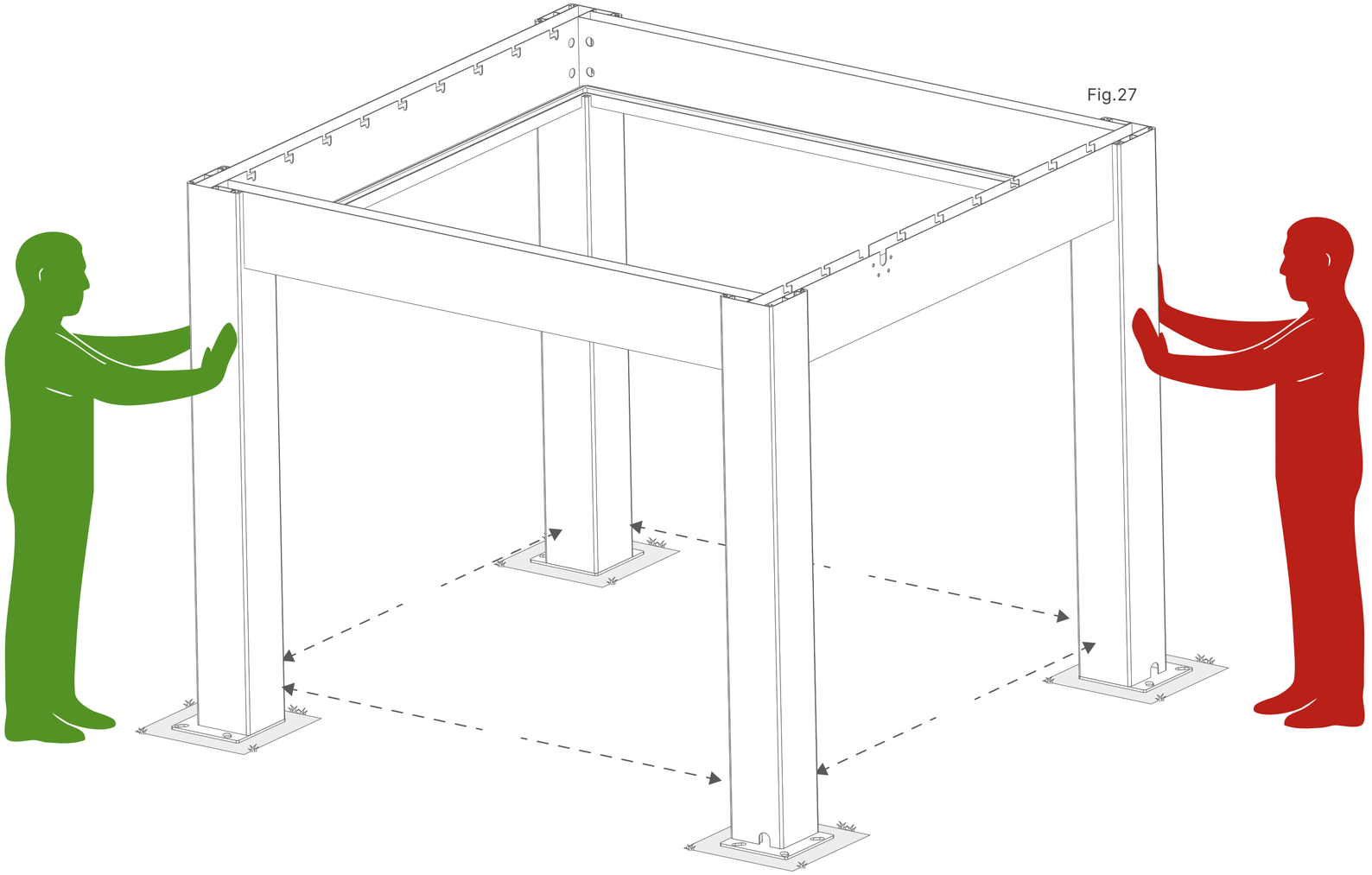


Fig.27

Make any necessary adjustments to the frame’s position (Fig.27).

Using your 12mm drill bit, drill through the anchor holes in the Pergola's ground plates and into the concrete below (Fig.28 / 29 / 30). Do this for all 4 corners.

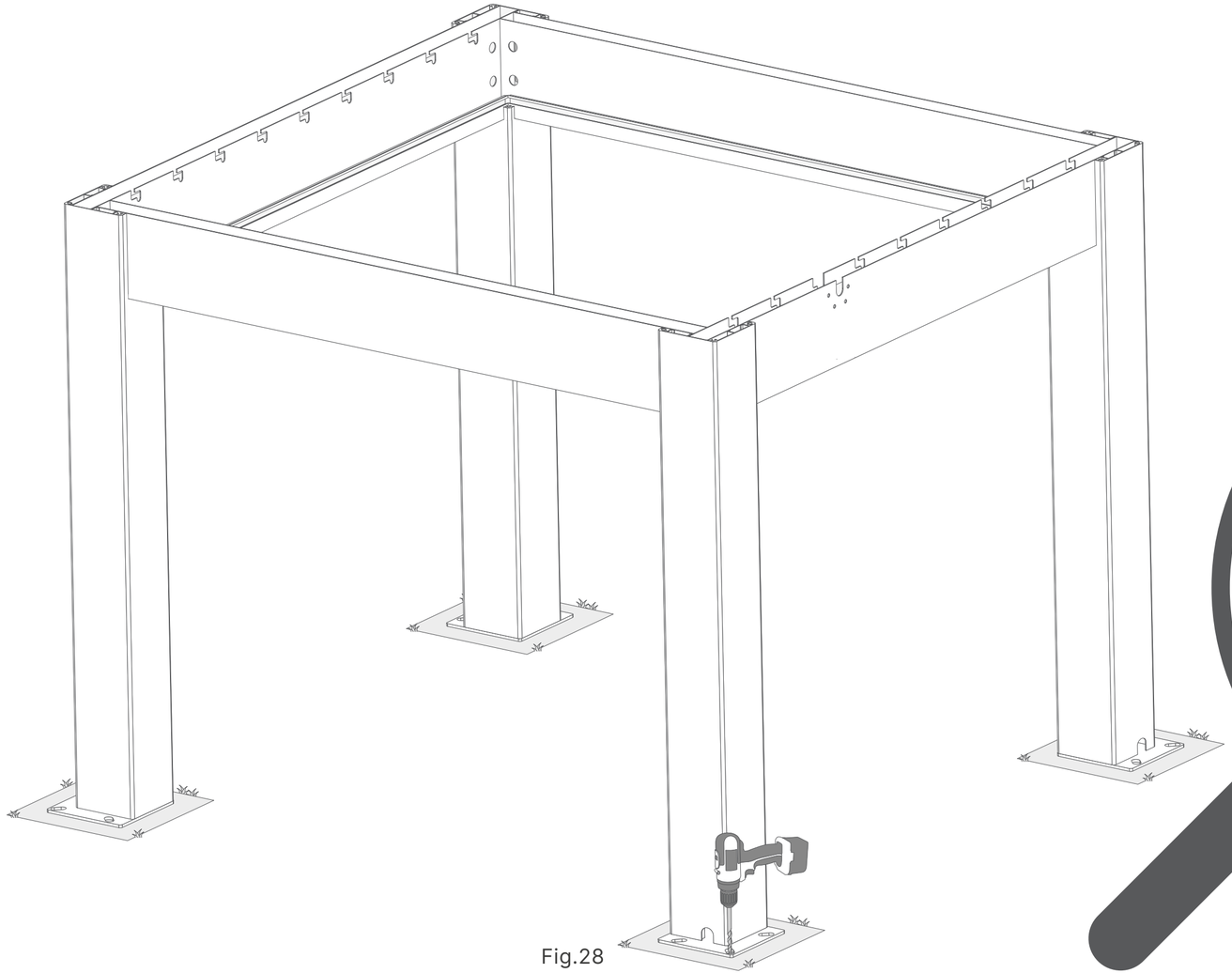


Fig.28

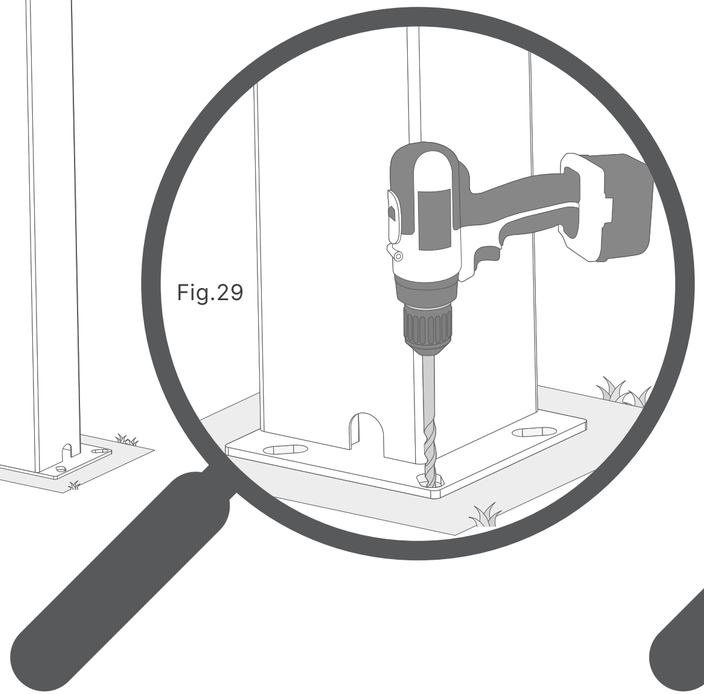


Fig.29

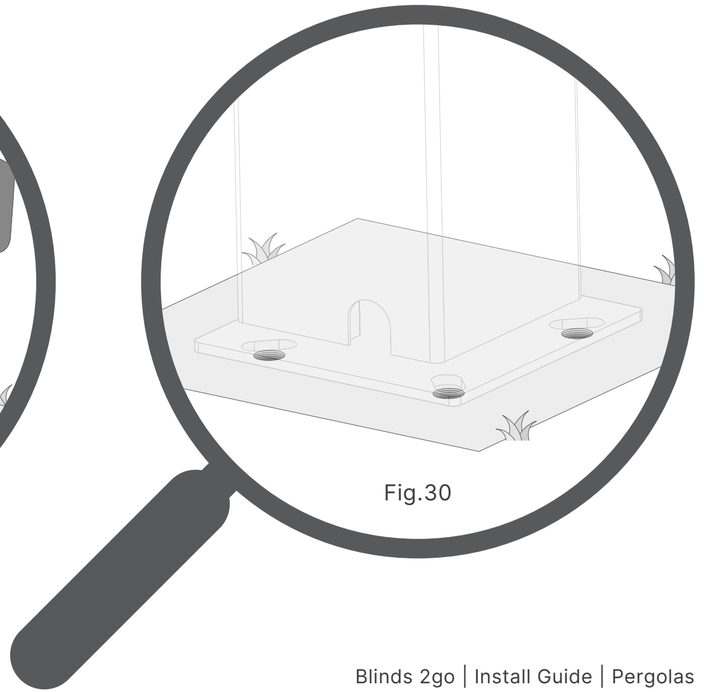


Fig.30

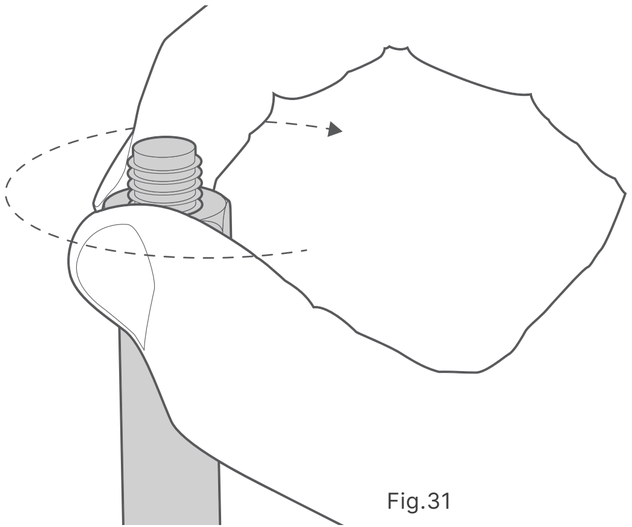


Fig.31

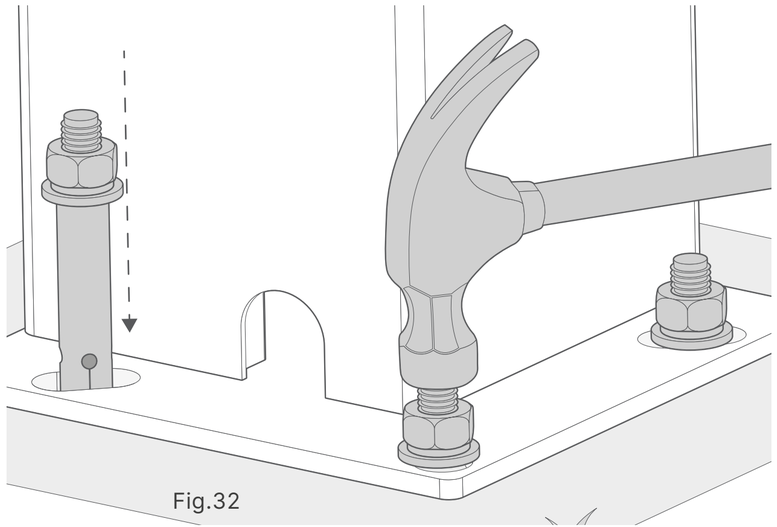


Fig.32

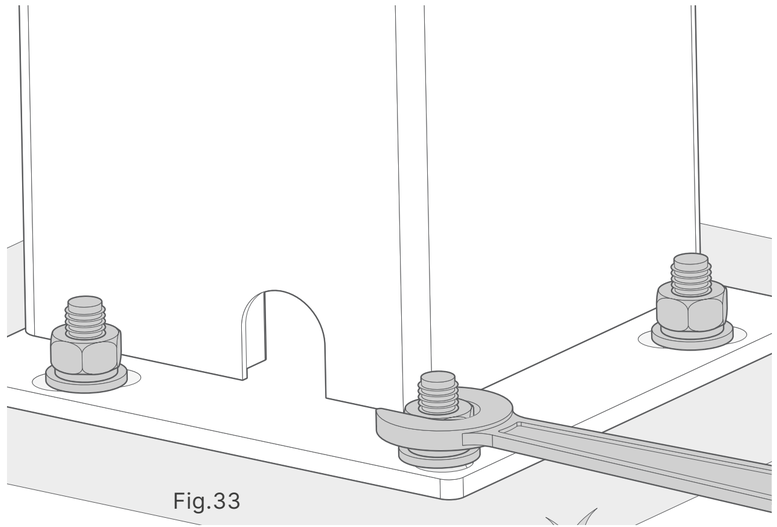


Fig.33

Tighten each each of the anchor bolt nuts by hand - not tight, just enough that the washer is secured against the barrel (Fig.31).

Then, tap the anchor bolts into the holes you drilled into the concrete as deep as they will go (Fig.32).

Once all the anchors are in place, tighten all of them fully using your wrench / spanner (Fig.33).

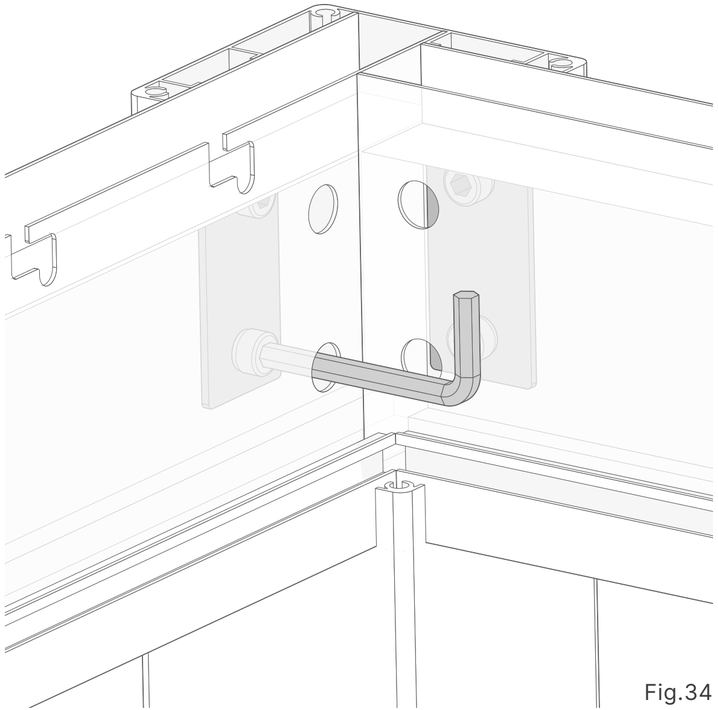
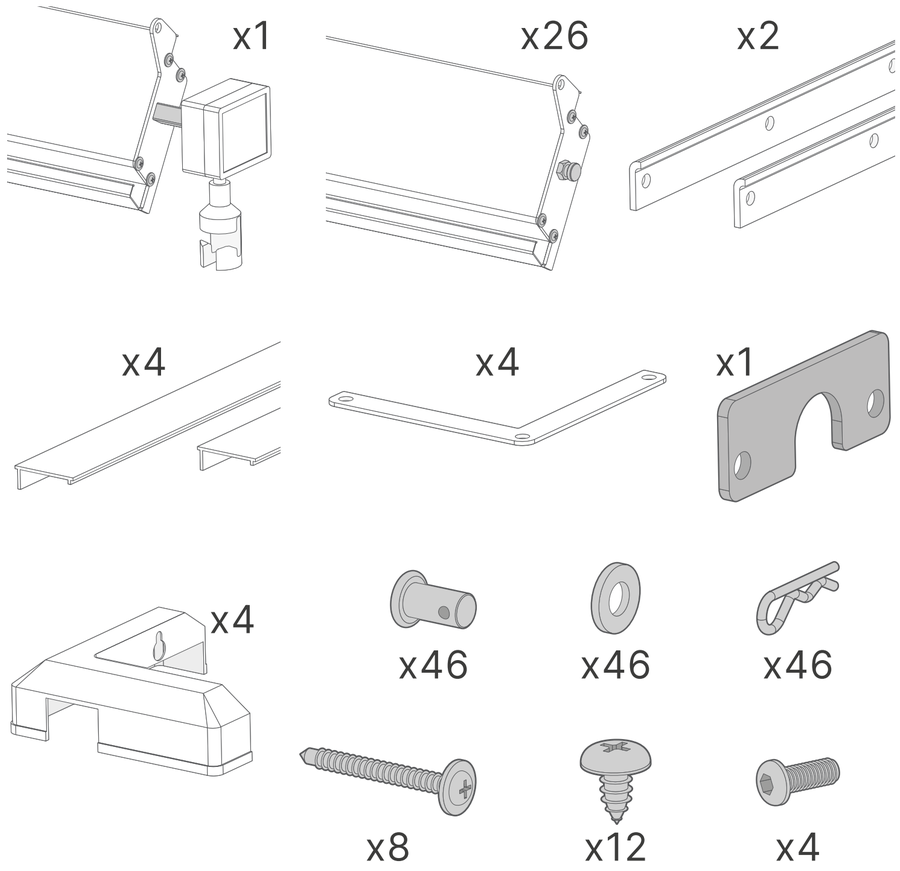


Fig.34

Finally, tighten the plate fixing bolts you left loose in the last section (Fig.34).

Tighten all 4 bolts in each corner.



Parts & tools required for this section:

Parts

• Crank mechanism + control louvre	x1
• Crank fixing plate	x1
• Crank fixing bolts (from section 3.2)	x4
• Louvres	x26
• Louvre bars	x2
• Fixing bolts / washers / R-clips for louvre bars	x46
• Frame covers	x4
• L-plates	x4
• Ground plate covers	x4
• 12mm Screws	x12
• 38mm screws	x8

Tools

- 4mm Allen key
- Step ladder
- Handheld drill
- Phillips screwdriver bit
- 3mm HSS drill bit

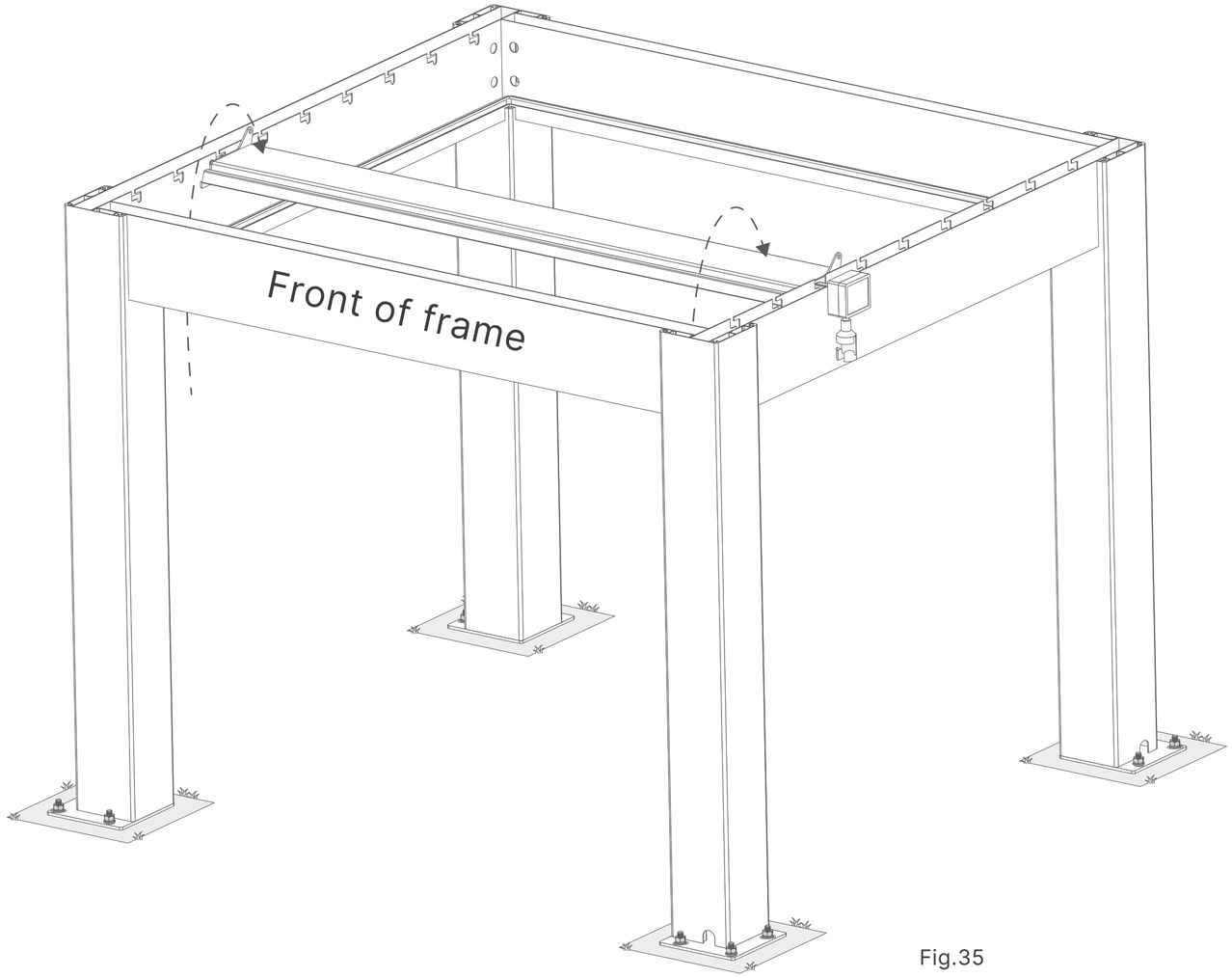


Fig.35

Lift the control louvre into position and slot it into its specially designed slot in the side frame (Fig.35) so that the attached crank mechanism rests on the outside.

This slot is shaped differently to the rest and is easy to identify (Fig.36).

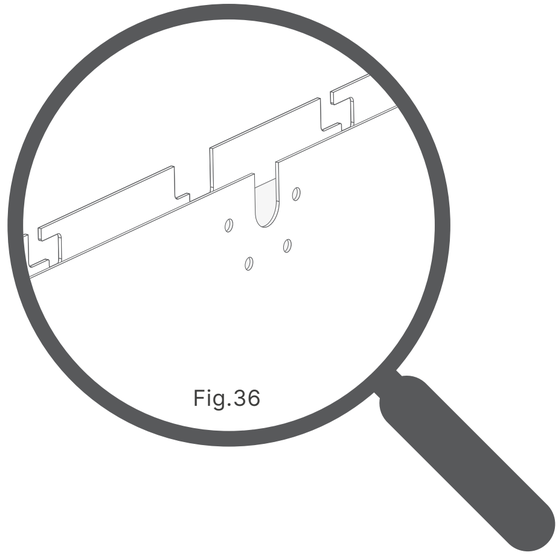


Fig.36

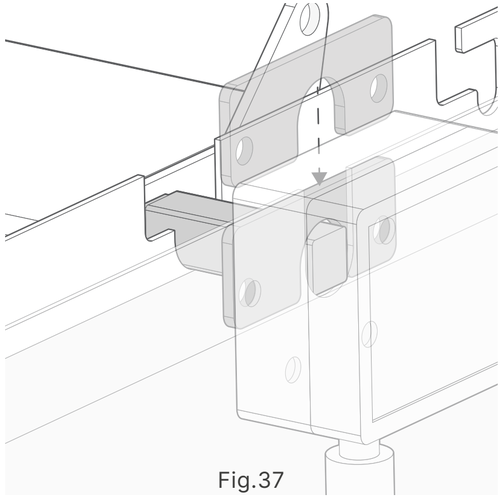


Fig.37

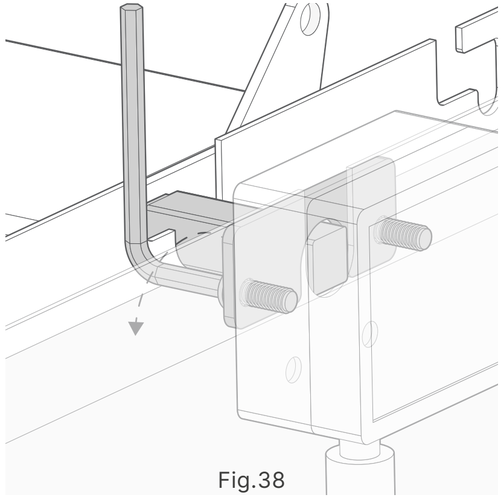


Fig.38

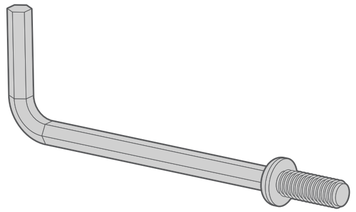


Fig.39

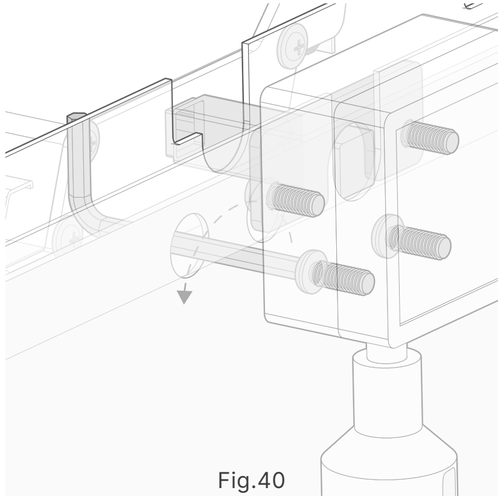


Fig.40

Take the crank fixing plate and rest it over the crank shaft; the plate should rest against the inside face of the channel in the top of the side frame, with the screw holes on the plate and the frame lined up (Fig.37).

Use your 4mm Allen key and 2 of the crank fixing bolts to secure the fixing plate, through the frame, to the crank mechanism (Fig.38).

The last 2 fixing bolts are inserted through the larger holes on the lower inside face of the side frame (Fig.40). An easy way to insert them is to rest a bolt on the long tip of the key (Fig.39) and use it to insert the bolt through the frame.

TOP TIP

For Fig.39 / 40, we'd recommend using some masking tape to keep the bolt held onto your Allen key, until the bolt bites. If it slips off the key then it can be difficult to retrieve from inside the frame.

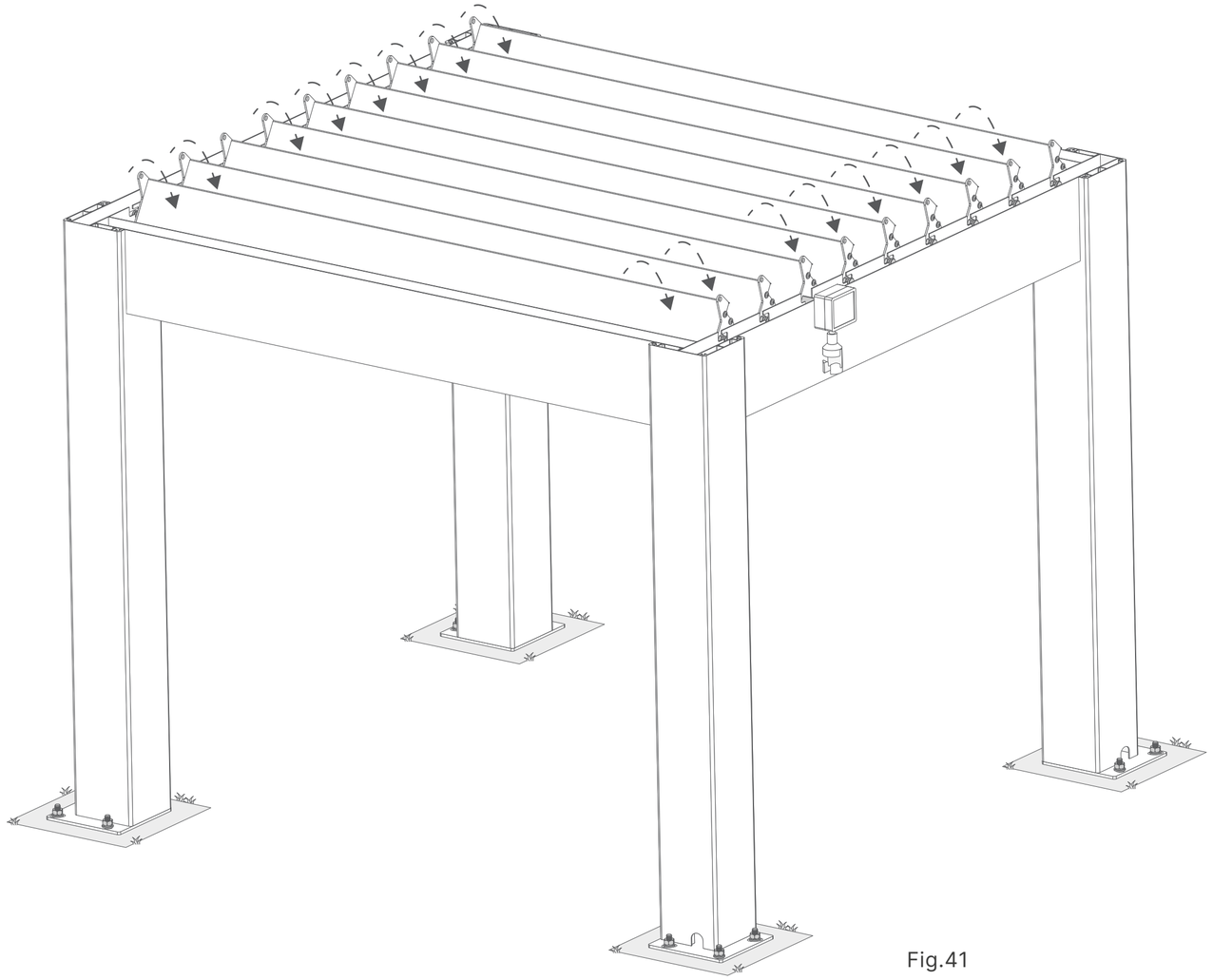


Fig.41

Now slot the rest of the louvres into place (Fig.41).

The circular studs on the ends of the louvres should drop into the matching slots along the side frames (Fig.42).

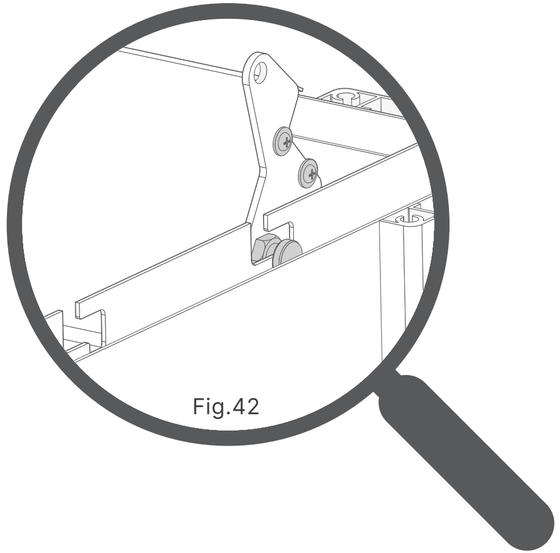


Fig.42

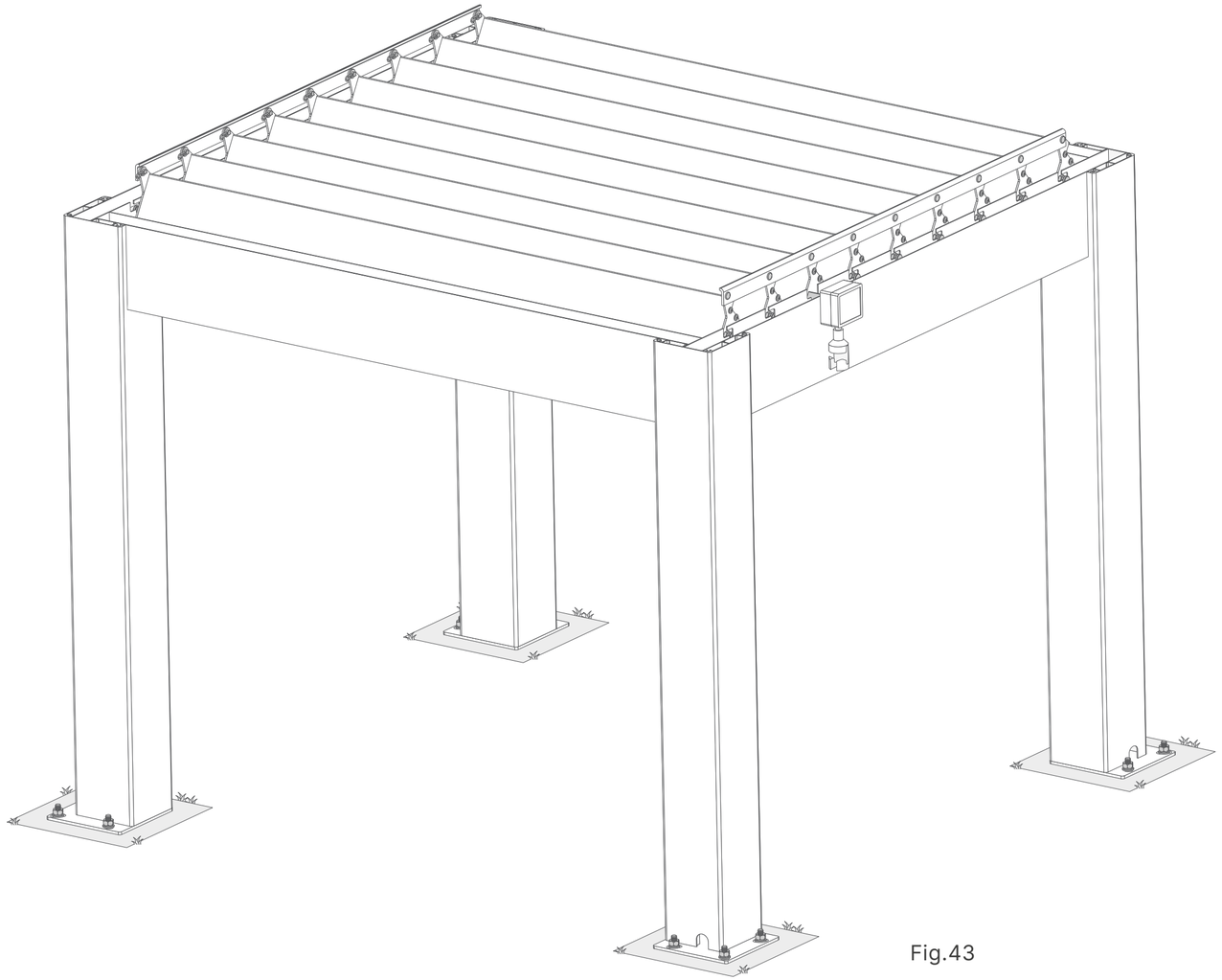


Fig.43

Attach the louvre bars to the louvres (Fig.43).

Use a bolt and washer for each hole (Fig.44), securing every bolt with an R-clip (Fig.45).

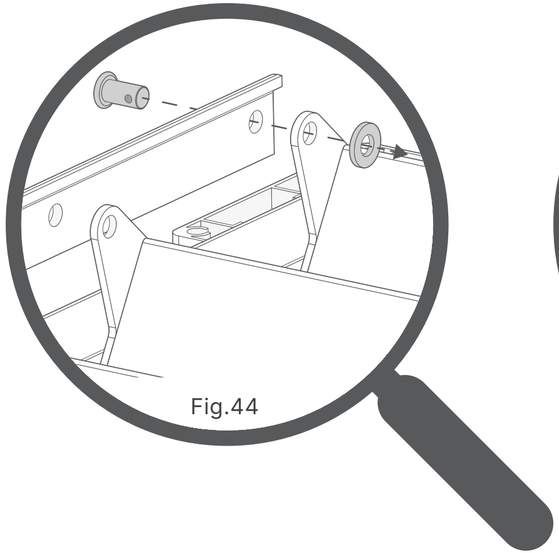


Fig.44

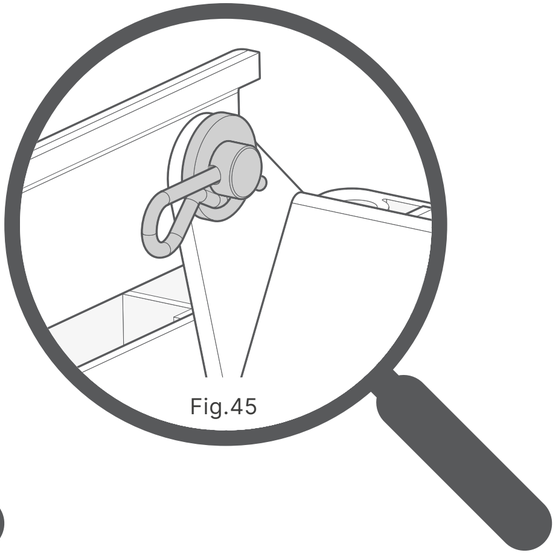


Fig.45

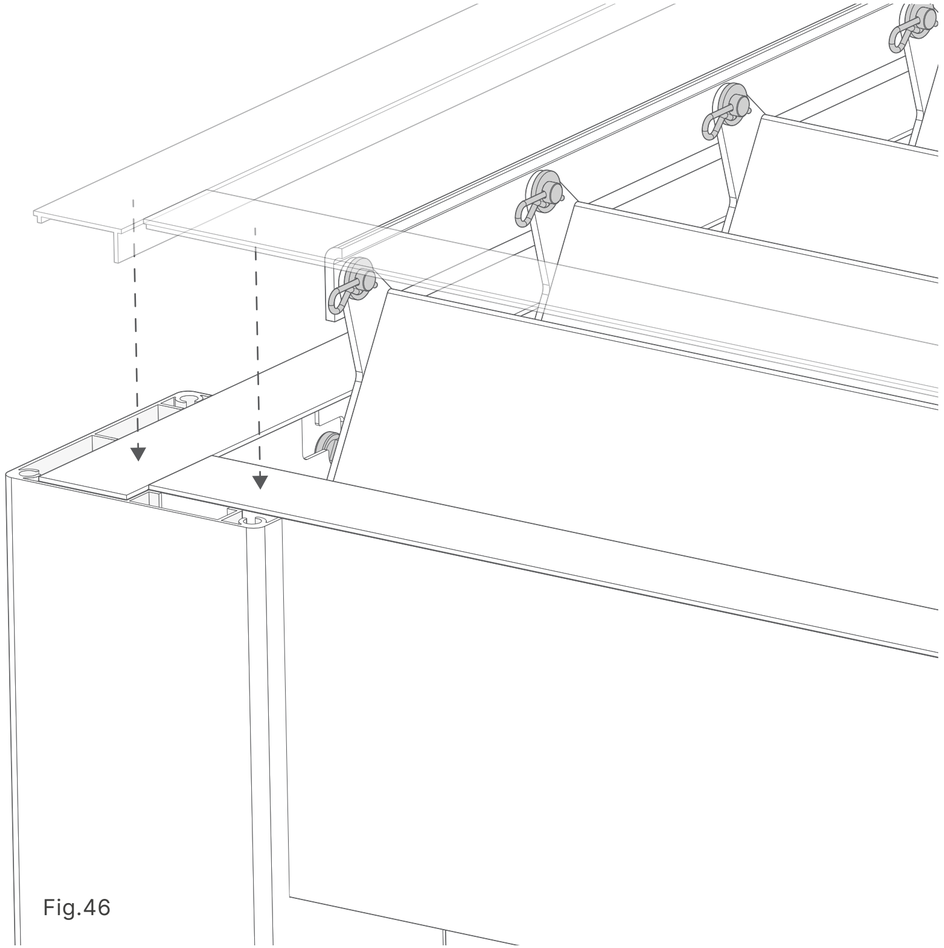


Fig.46

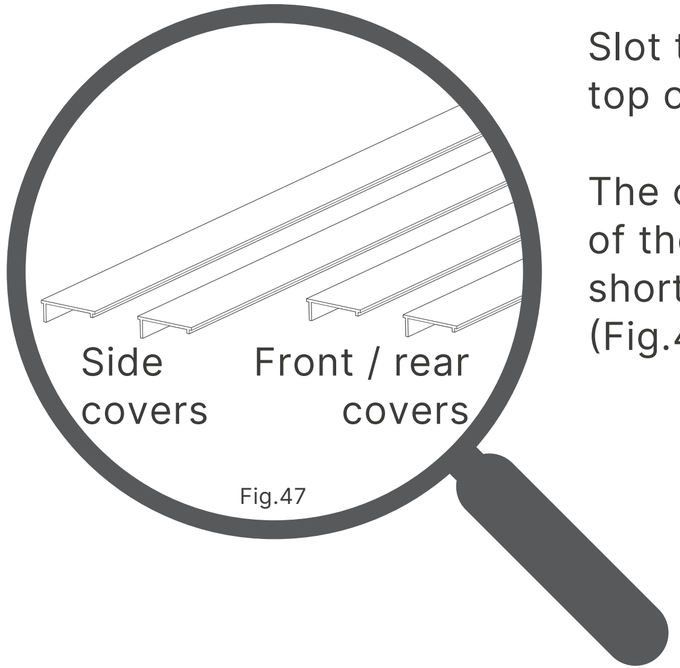


Fig.47

Slot the frame covers into the channels in the top of the frames (Fig.46).

The covers for the sides will be the full length of the frames, whilst the front covers will be shortened to fit between the side covers (Fig.47).

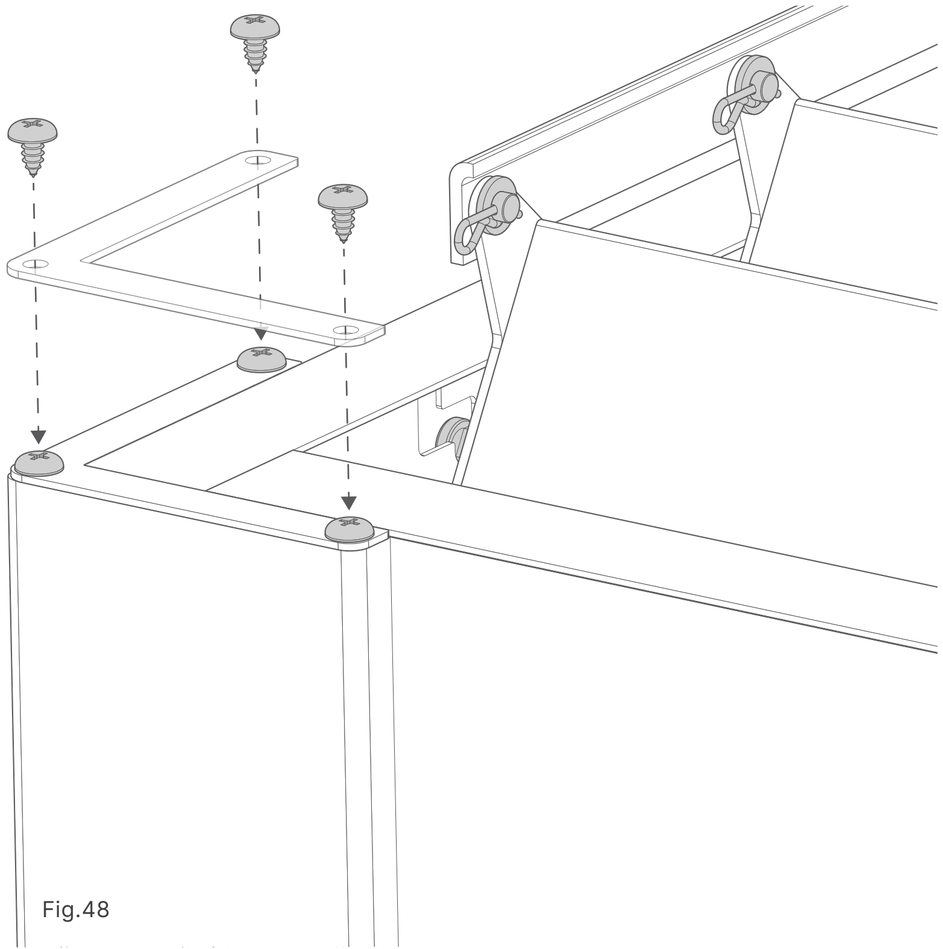


Fig.48

Use the L-plates and 12mm screws to cap off the top of each post (Fig.48).

The L-plate sits on top of the longer frame covers, helping to secure them in position too.

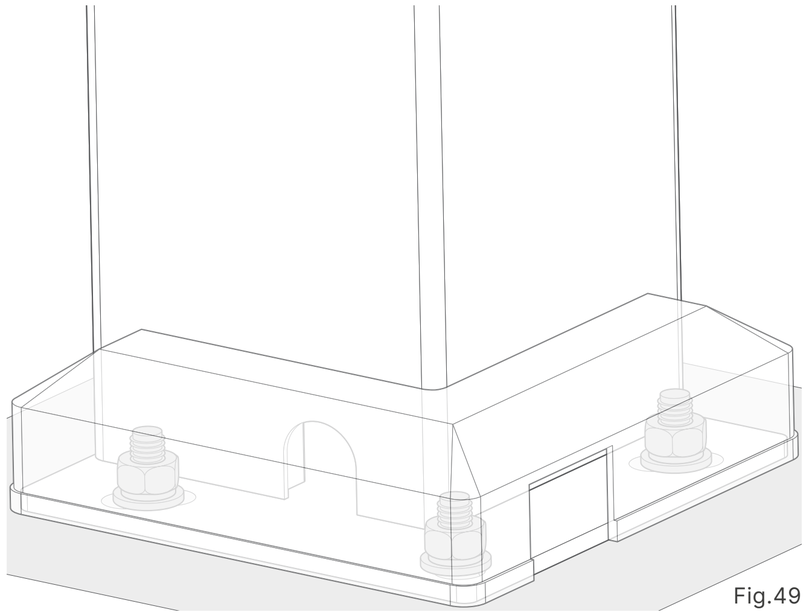


Fig.49

The ground plate covers slot over the top of the ground plates to disguies the anchor bolts and neaten the Pergola’s finish (Fig.49).

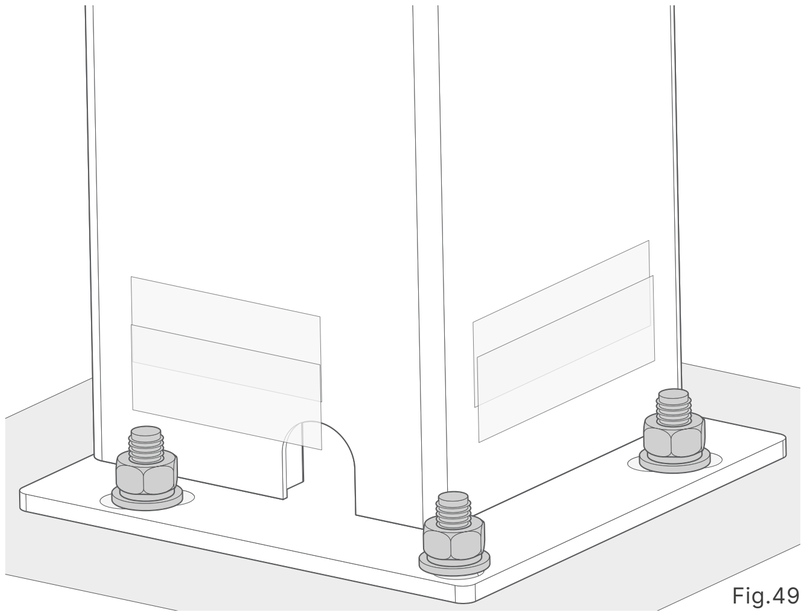


Fig.49

You’ll be drilling the posts to attach them, so start by sticking a few pieces of masking tape to the two outer sides of each corner post, near the bottom where the caps will sit (Fig.50).

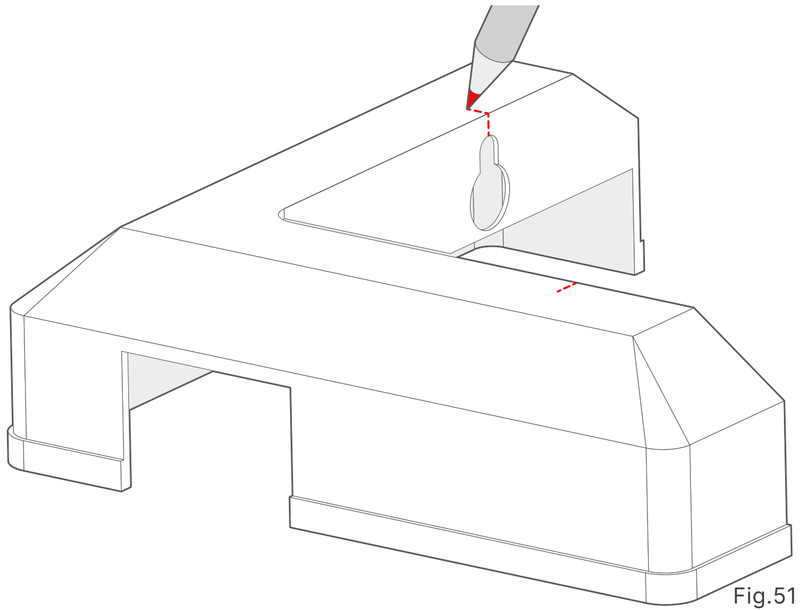


Fig.51

On each ground plate cover, use a marker to mark on the top of the cover where the hanger holes are (Fig.51).

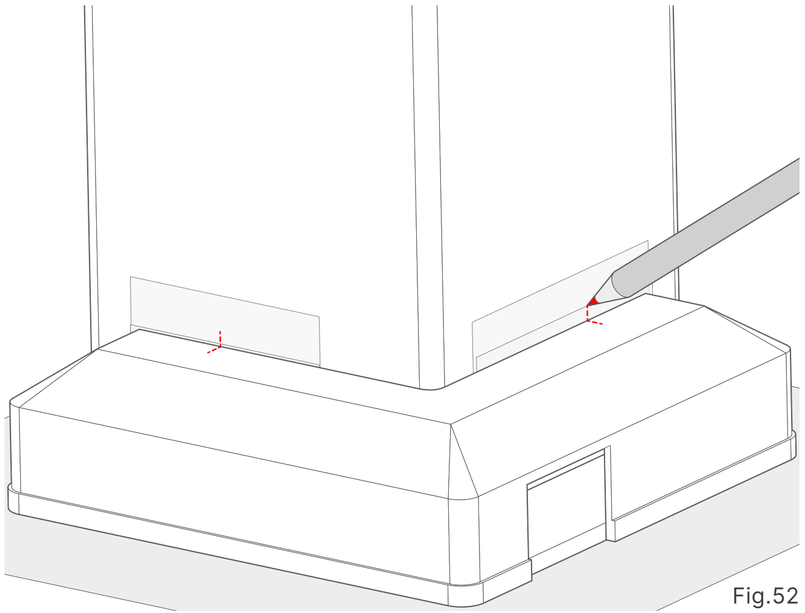


Fig.52

Use the marks on your caps to line up matching marks on each post (Fig.52).

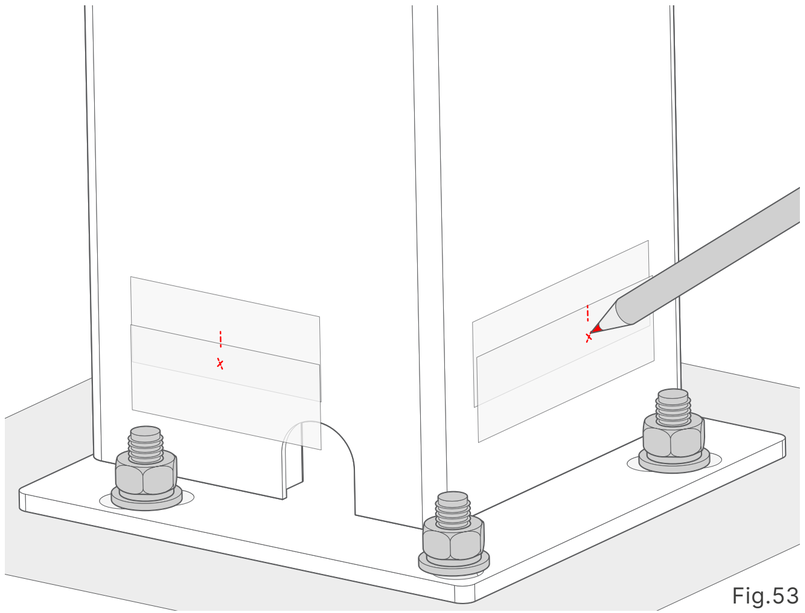


Fig.53

Remove the plates, and make another mark around 7cm down from each post mark you just made (Fig.53).

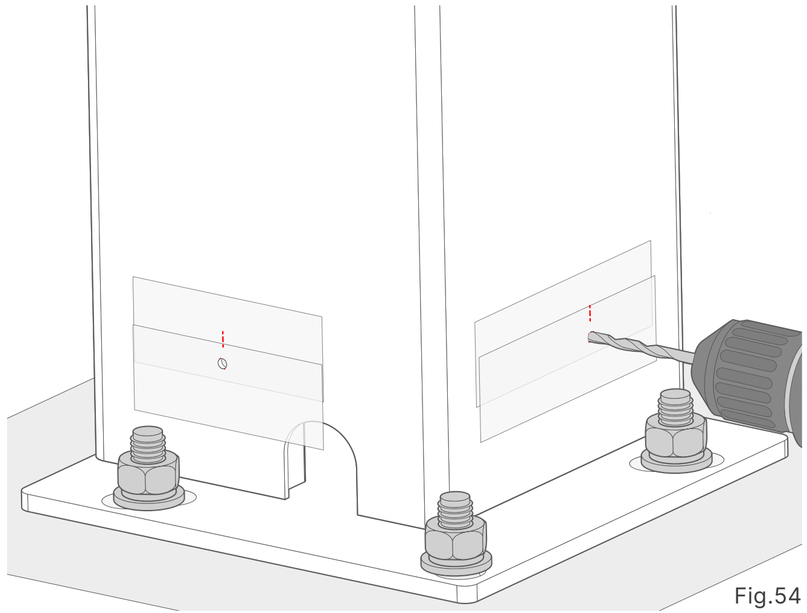


Fig.54

Use your 3mm drill bit to drill a hole at each of the lower marks (Fig.54).

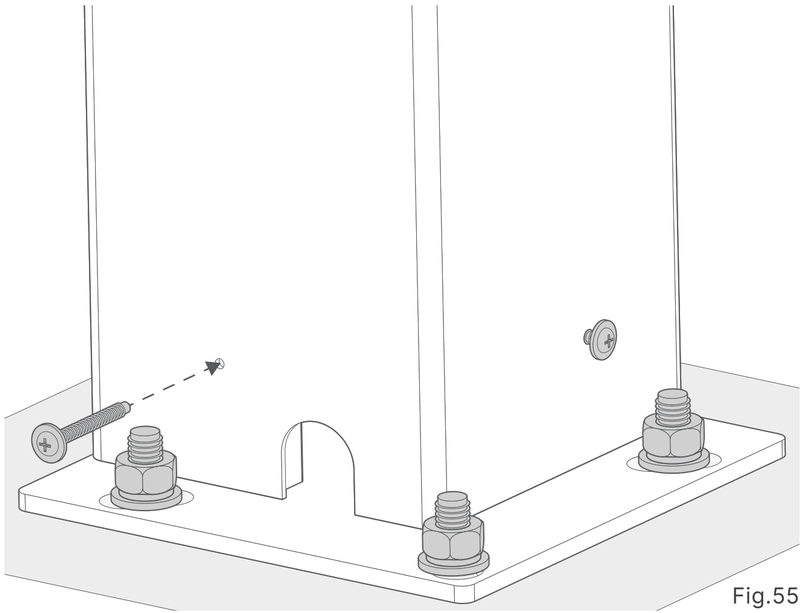


Fig.55

Remove the masking tape and insert a 38mm screw into each hole - leave the screw protruding by about 3mm (Fig.55).

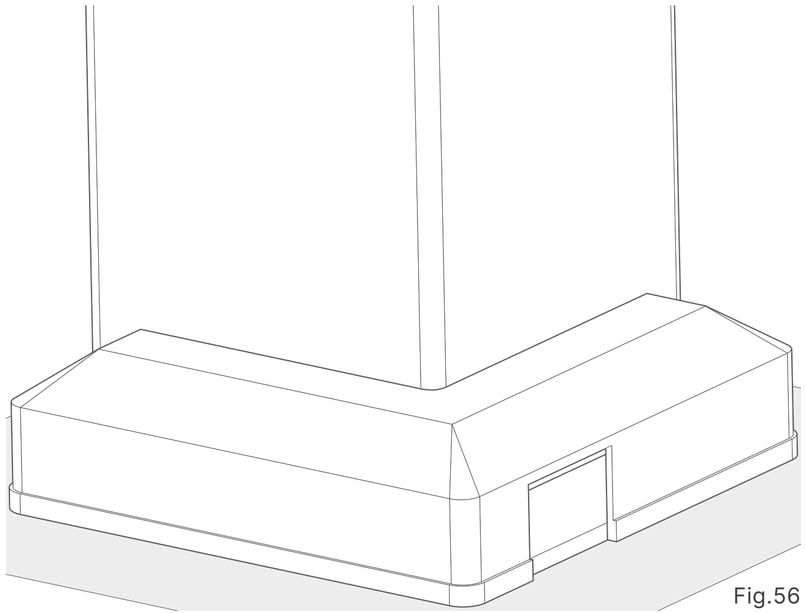


Fig.56

Finally, slot the covers into position over the ground plates, hooking them onto your screws (Fig.56).

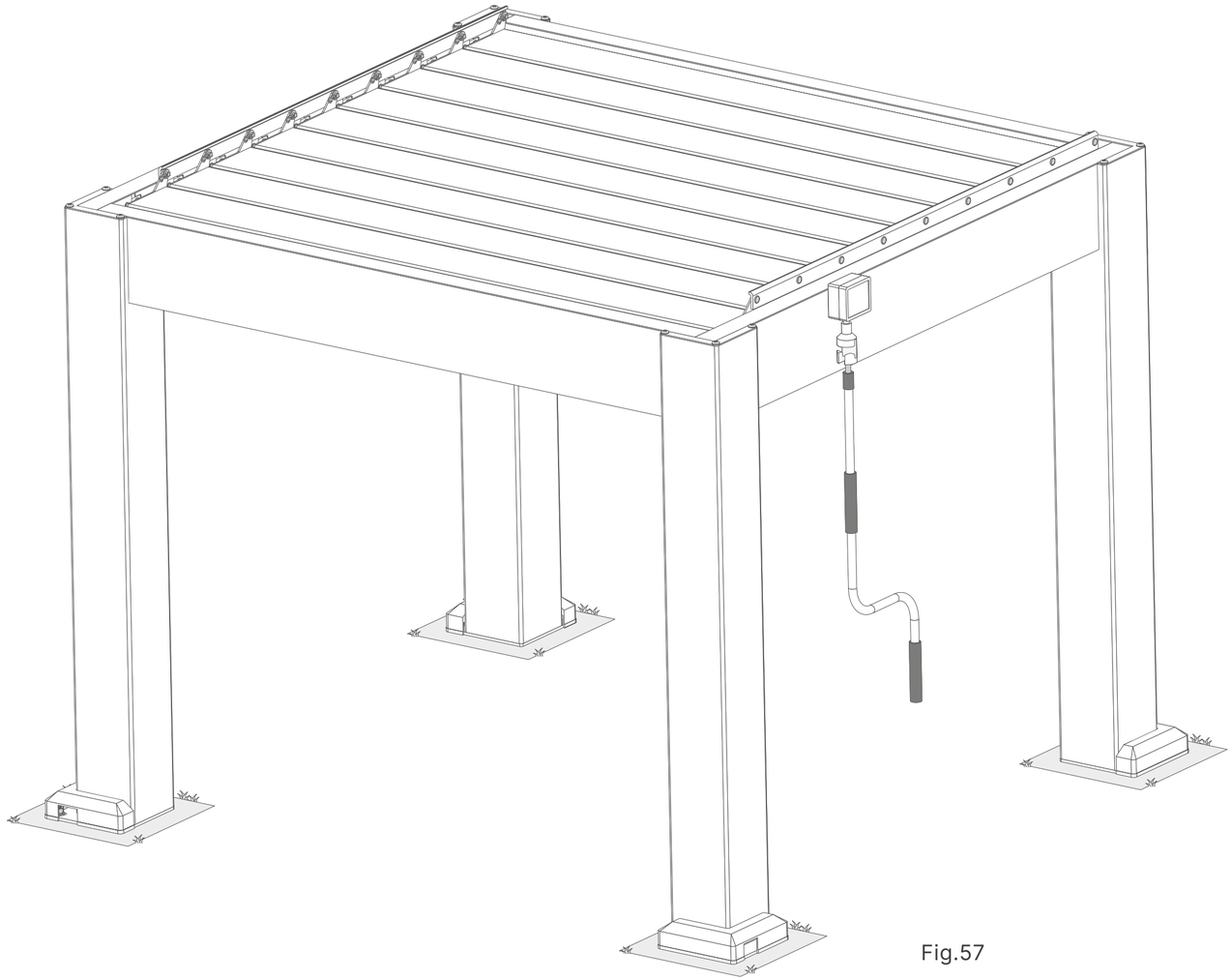


Fig.57

Hook the crank handle onto the crank mechanism to complete the installation (Fig.57).

And that’s it! Your Pergola is assembled, installed, and ready to enjoy.

The final page of this guide covers some important aftercare information, so please continue reading, and keep this guide handy for future reference.

SECTION 6 | AFTERCARE

To maintain the Pergola's appearance and function over the long term, please follow the below aftercare advice:

Please do:

- Remove and store the crank handle when the Pergola is not in use
- Leave the louvres in their open position during heavy wind or snow
- Clean the pergola thoroughly using a soft cloth and water, at least twice per year
- Check the tightness of all accessible screws and bolts periodically, at least twice per year
- Lubricate the moving parts of the Pergola with silicon spray or similar, at least once per year
- Check all gutters and drainage to ensure there are no blockages, regularly throughout the year

Please do not:

- Attempt to make use of the Pergola during extreme weather conditions (heavy wind, rain, snow or hail, for example)
- Climb on top of the structure for any reason