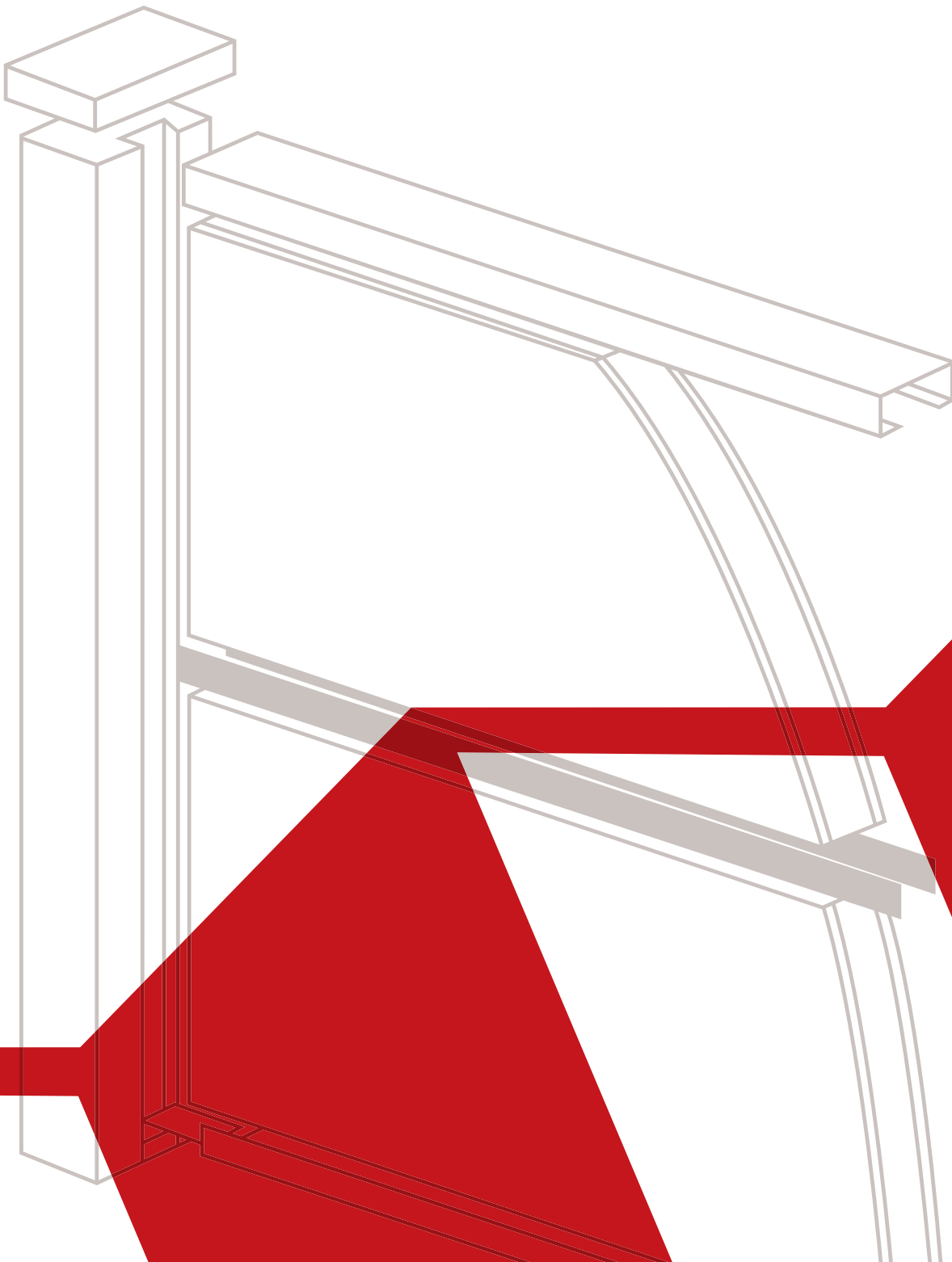


Modular Wall
systems™

Gate Installation Guide



Installing Gates



IMPORTANT

Please read all the instructions prior to starting the installation of your gate. Understanding the process correctly will be the difference between a good and great result.

The recommendations detailed in this guide produced by MWS are formulated along the lines of good building practice. They are not intended to be an exhaustive statement of all the relevant data. Further, as the success of projects depend on factors outside the control of MWS (e.g. quality of workmanship, particular design, detail requirements, etc), MWS accepts no responsibility for, or in connection with, the quality of the projects or their suitability when completed.

If you are in any doubt please seek independent advice or contact MWS. We are always happy and available to answer questions regarding installation no matter how small or insignificant you think they may be.

24/7 technical and installation advice is available on ph: 0417 414 441

It is recommended the reader pays particular attention to items identified as **IMPORTANT** in this manual to ensure a satisfactory installation and the long term performance of the products.

Tools Needed::



Tape Measure



Spirit Level



Hex Driver Bit



Drill/Driver



Installation

STEP 1 - Setting your post positions to suit your gate width

Depending on your soil conditions in conjunction with the weight of the gate being installed you may require a deeper footing for the gate support post. Please seek advice from MWS before proceeding.

If your gate for example is 900mm wide you should leave a minimum gap of 20mm more than the gate width to allow for the hinges and latch. This is not a definitive measurement but only a guide based upon known required gaps for the hinges & latch we recommend as stated below.

HINGES - We use and recommend the hinges named 'TruCLOSE by D&D technologies' Product code: TCA1RP which are available through Modular Walls or from Bunnings and most reputable Hardware stores. These hinges are made from very durable polymer plastic and have a self closing function.



STEP 2 - Fixing hinges to a Modular Wall Post

Determine the position of your hinges on your Post and Mark the holes.

Tek screws directly into the post can be used on lighter gates (around 20kg's or less) but great care must be taken as to not over tighten them and strip the thread. Galvanized steel rivets can also be used.

Note: For gates over 1.8 meters tall we recommend using 3 hinges per gate.

For gates 20kg or heavier or where a stronger fixing method is required a piece of hardwood timber or steel box (SHS or similar) can be inserted inside the post either before the post is installed (preferred method) or as pictured below after the post has been installed but before the post top has been secured.

This way the gate hinges are being fixed to the timber or steel box rather than the post for added strength.



Fix the SHS into position before the post is installed by liquid nailing it in position against the side of the post where the hinges are to be fixed.

If this was not done prior to post installation a second person will be required to hold the steel box in position whilst one is securing the hinges. This can be difficult with the bottom hinge, especially on longer posts as it becomes difficult to assert adequate pressure at the bottom hinge location whilst screwing.

Alternatively for longer posts whilst one person holds the steel box in position (as pictured below) pour a small amount of wet concrete inside the post up to secure the bottom 100mm of the steel box. This will aid in keeping the base of the steel box in position when fixing the hinges.



STEP 3 – Positioning your Gate

Make sure your hinges are firstly secured to your Post.

Place your gate between the posts and use packing shims to obtain the correct/desired height. Also take care to make sure the gaps on either side of the gate are correct. When you are happy your gate is in the correct position secure your gate to the hinges.

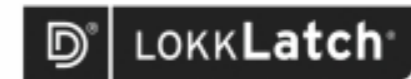
Carefully remove the packing shims and check the operation of the gate.



STEP 4 - Latches

LATCHES- We use and recommend a latch named 'lokkLATCH by D&D technologies' Product code: LLDABR-L which is available through Modular Walls or from Bunning's and most reputable Hardware stores. This latch is made from very durable polymer plastic and has the advantage of allowing keyed locking and unlocking from both sides of the gate.

Follow the manufacturer's instructions for latch installation or consult MWS directly for advice



Notes

Gates in excess of 30kg's may require further strengthening of the MWS support post as described below.

Note - If your gate is heavier than 30kg's the post that will carry the gate can be secured to the post next to it to increase the shear strength of the post that will carry the gate ie; the post that is carrying the gate is linked to the post next to it so if the weight of the gate over time wants to pull the post over it is attached to it has to pull the linked post also and this generally won't occur.

This can be done in a few ways:

- 1) By laying a steel strap under the wall capping with a 90° bend in each end and secure with tek screws, then re fit the wall capping.
- 2) Or if you have exterior wall capping you can use the wall capping as the strap by tagging the wall capping back to the inside rebate of the posts with a 90° bracket (available from hardware stores).

If you require further clarification on the above please call us and we can talk you through it.

