

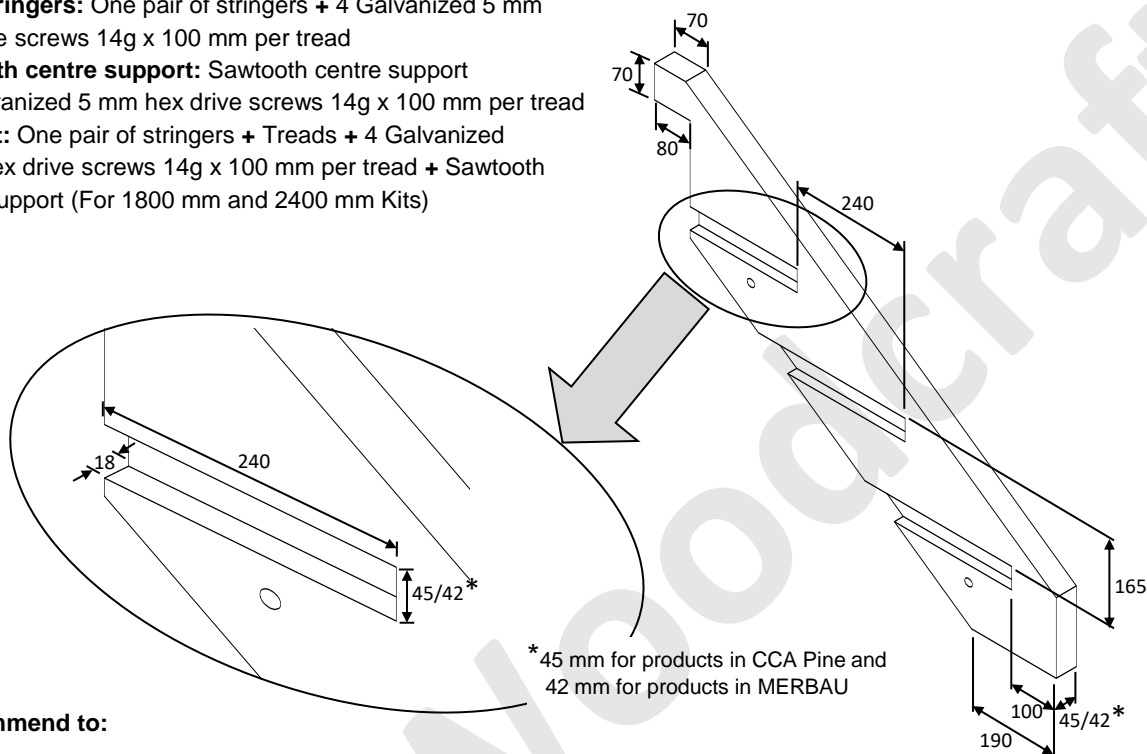
HOW TO ASSEMBLE GUIDE

FOR:

- Stair stringers
- Sawtooth centre support
- Stair kits

COMPONENTS INCLUDED

- **Stair Stringers:** One pair of stringers + 4 Galvanized 5 mm hex drive screws 14g x 100 mm per tread
- **Sawtooth centre support:** Sawtooth centre support + 2 Galvanized 5 mm hex drive screws 14g x 100 mm per tread
- **Stair Kit:** One pair of stringers + Treads + 4 Galvanized 5 mm hex drive screws 14g x 100 mm per tread + Sawtooth centre support (For 1800 mm and 2400 mm Kits)

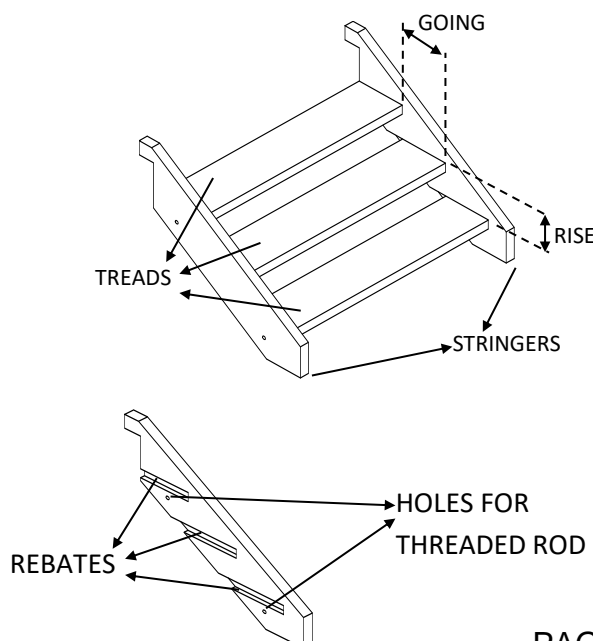


We highly recommend to:

- Use stirrups to elevate stairs off the ground by 20 mm.
- Use threaded rod for future durability.
- For widths between 1200 mm to 2400 mm use one sawtooth support; for widths between 2400 mm to 3600 mm use two sawtooth supports, for widths between 3600 mm to 4800 mm use three and so on.
- Cut the rooster head of the stringer off if the stair does not reach a wall or post.
- The assistance of a qualified tradesperson to perform the installation in some cases. Stairs must be fixed to building securely.

DEFINITIONS

- **TREADS:** The steps in the stairs.
- **RISE:** The difference in height between a step and the next one.
- **GOING:** The deepness of a step.
- **STRINGERS:** The sides of the stairs.
- **OVERALL WIDTH:** The distance between the two external faces of the stringers.
- **INTERNAL WIDTH:** The distance between the two internal faces of the stringers. The same width of the steps.
- **TREAD WIDTH:** The total width of the tread.
- **REBATE:** The groove on the stringers where tread is located into.
- **THREADED ROD:** Threaded long cylindrical metal piece used to bolt stringers together.



TOOLS NEEDED TO PERFORM ASSEMBLY:

- Treads (Included only in Stair Kits)
- Drill
- 5 mm Hex head bit
- 6 mm drill bit for sawtooth installation

STEPS:

1. Work out the Overall width of the stairs you need.
See **Diagram 1**.

If Kit has been purchased, go to step 3.

2. Get the treads from your preferred local timber outlet. Beware that all treads have to be **45 mm thick** for CCA Pine or **42 mm** for MERBAU by at least **240 mm deep**.

3. Cut the treads to size (See **Diagram 2**). To find out how wide the treads should be, subtract from the overall width:
In CCA Pine: -54 mm (Example in diagram 1 and 2)
In MERBAU: -48 mm

4. Once the treads are ready, insert treads into the rebate of the stringer (See **Diagram 3**) pushing tread forward up to the front edge of rebate of stringer. Hold firmly in position.

5. Using the drill with the 5 mm Hex head bit; Drill screws provided through the side of the stringer (Option 1) or underneath the tread (Option 2) to secure the tread to the stringer (See **Diagram 4**).

STEPS 6 AND 7 FOR SAWTOOTH INSTALLATION WHEN STAIR IS OVER 1200 mm WIDE

6. Pre-drill two 6 mm holes in each tread dividing Equally (=) the width. (See **Diagram 5**)
7. Place the sawtooth supports underneath the stairs and insert screws supplied using the drill with the 6 mm Hex head bit. Screws need to be below the tread surface to avoid tripping.

Diagram 1

Overall Width
Eg. 1000 mm in CCA Pine

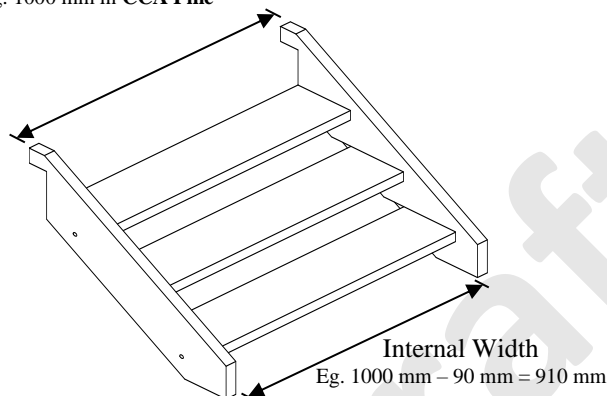


Diagram 2

Tread Width
Eg. 1000 mm - 54 mm = 946 mm

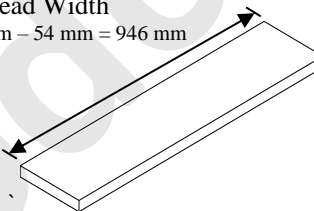


Diagram 3

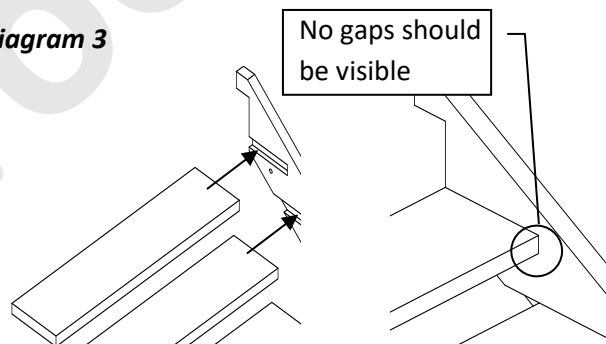


Diagram 4

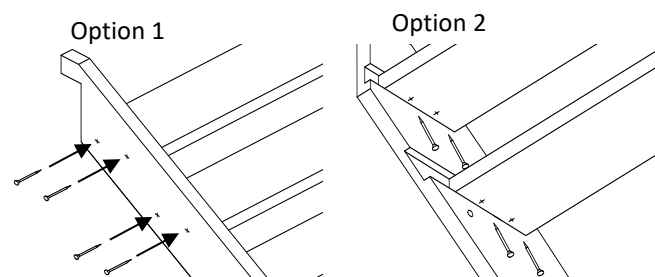


Diagram 5

