KAREM WOODCRAFT

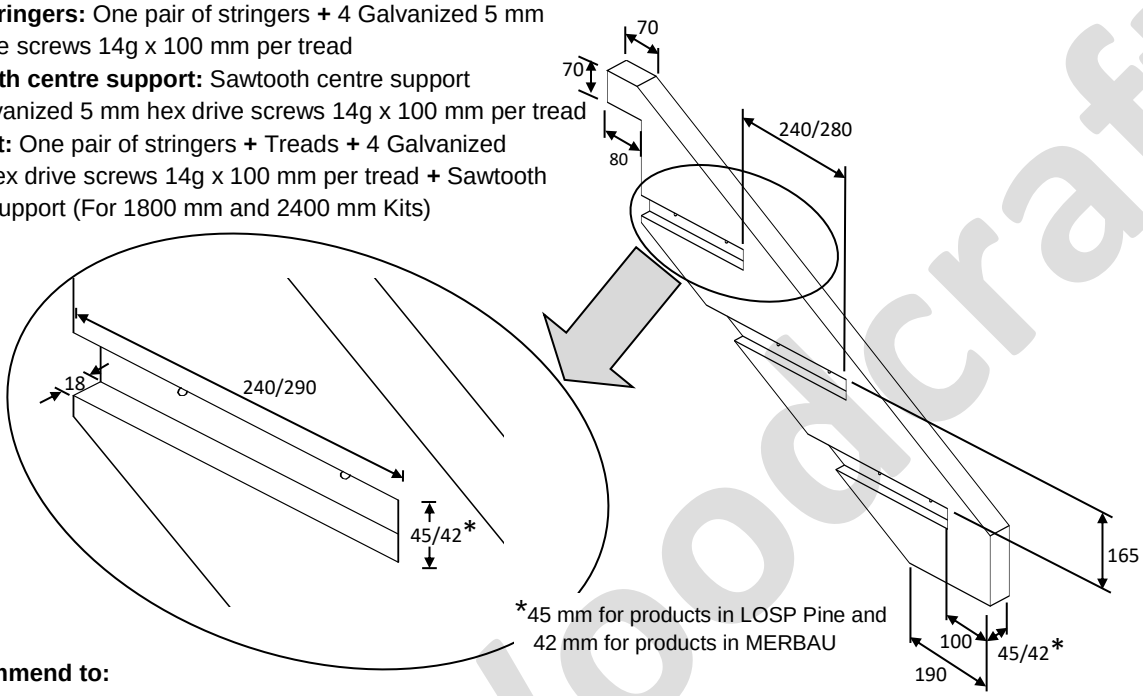
HOW TO ASSEMBLE GUIDE

FOR: 240 mm and 290 mm

- **Stair stringers**
- **Sawtooth centre support**
- **Stair kits**

COMPONENTS INCLUDED

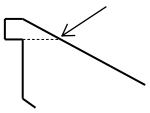
- **Stair Stringers:** One pair of stringers **+** 4 Galvanized 5 mm hex drive screws 14g x 100 mm per tread
- **Sawtooth centre support:** Sawtooth centre support **+** 2 Galvanized 5 mm hex drive screws 14g x 100 mm per tread
- **Stair Kit:** One pair of stringers **+** Treads **+** 4 Galvanized 5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



*45 mm for products in LOSP Pine and 42 mm for products in MERBAU

We highly recommend to:

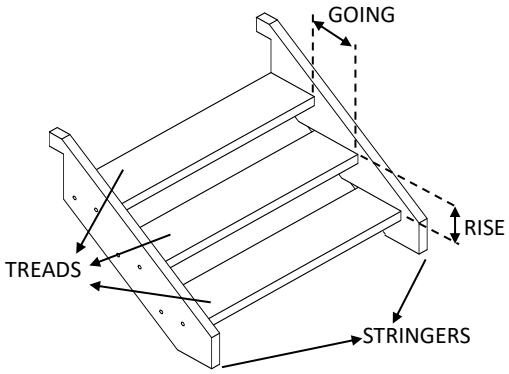
- **Retreat all LOSP PINE. Apply to housing joints and treads when cut to length.**
- **Use stirrups to elevate stairs off the ground by 20 mm.**
- **Use threaded rod (booker rod) for future durability.**
- **For widths between 1200 mm to 2400 mm use one sawtooth support; for widths between 2400 mm to 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.**

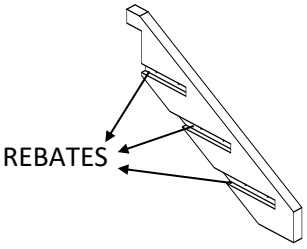


- **The assistance of a qualified tradesperson to perform the installation in some cases. Stairs must be fixed to building securely.**

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.





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STAIR CARE

We highly recommend on all surfaces for maximum service life:

- Paint the product on the SIX SIDES including end grain and housing joints
- When painting, use Oil Based Primer
- When staining, use Semi-Translucent Oil Based Stain
- Refer to Painting Instructions on PAGE 5 on the brochure

Brochure can be found on our website *www.karemwoodcraft.com.au*

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

*** RETREAT ALL HOUSING JOINTS AND ENDS OF TREADS PRIOR TO ASSEMBLY, CONSIDERED A MUST IN HIGH MOISTURE ENVIROMENTS.**

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; insert all screws provided into the pre-drilled holes 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

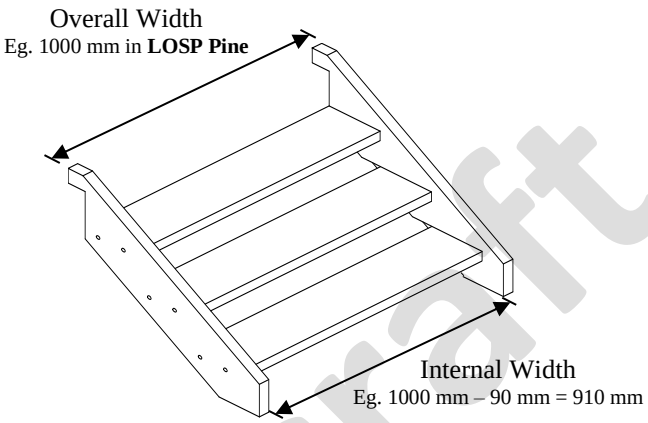

Diagram 2

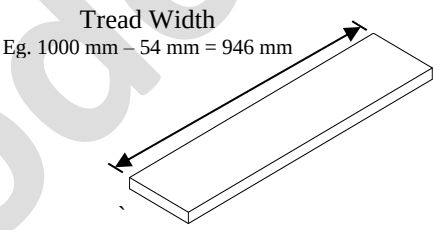

Diagram 3

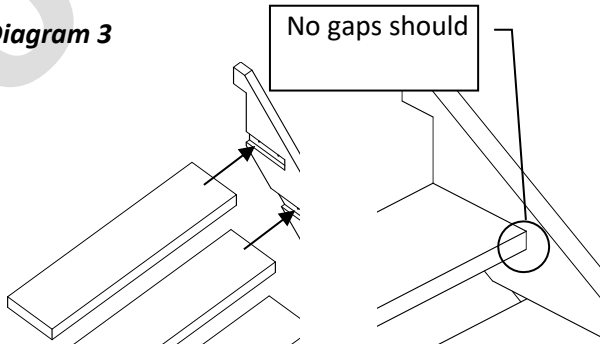

Diagram 4

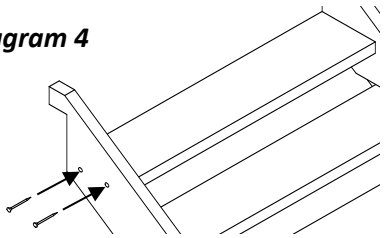

Diagram 5