

### ADJUSTABLE JOIST

NZ Reg Design No. NZ419837

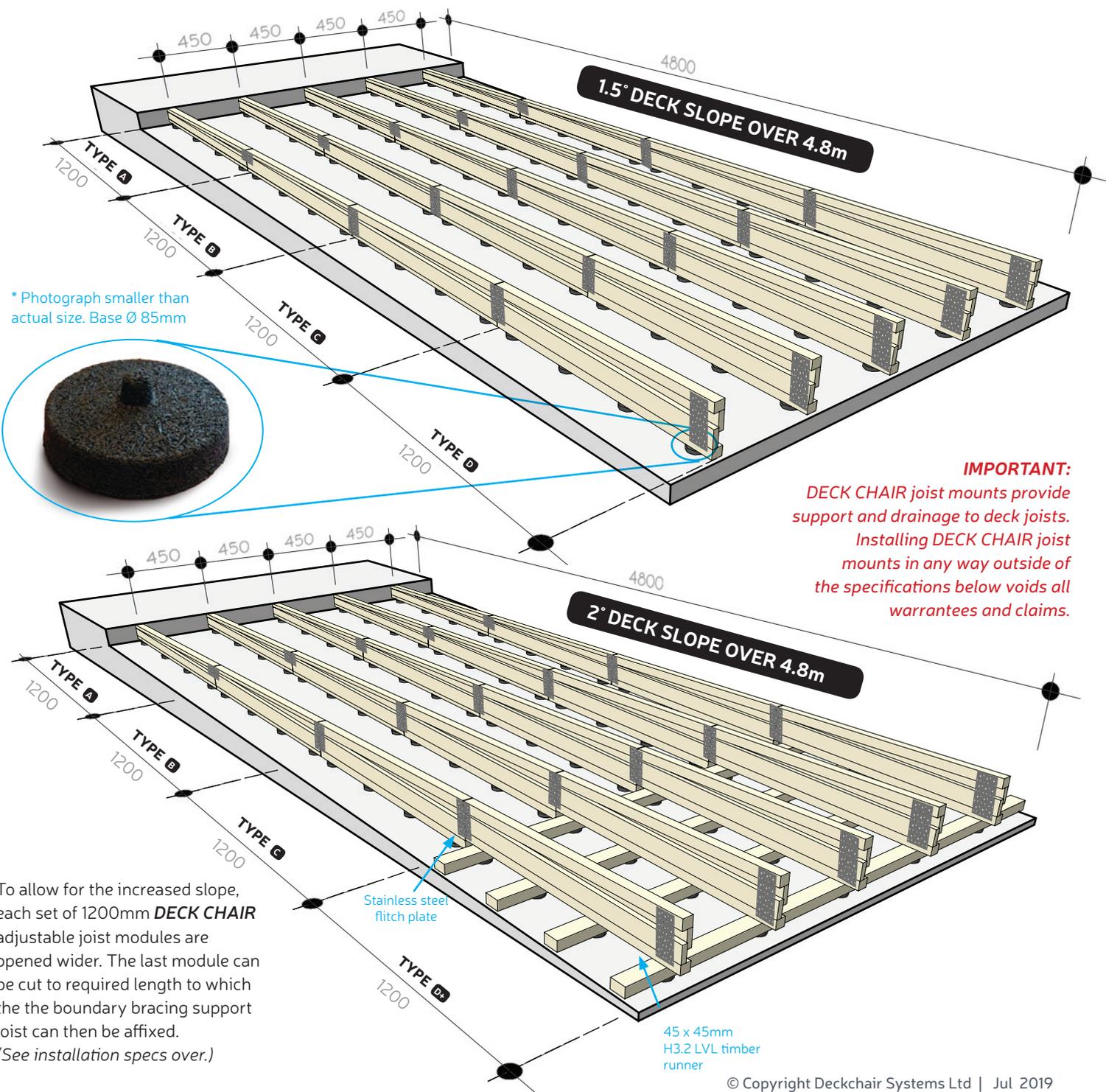
Pre-formed, adjustable joists that provide a level sub structure ready to fix the decking of your choice.



**NOTE:** *DECK CHAIR* adjustable joists are pre-drilled, however further holes may need to be added should the length of the adjustable joist be cut to suit.

- If required, drill 13mm holes 12mm deep.
- Apply Holdfast Carbond 940 FC in and around each hole before inserting the nib of the *DECK CHAIR* joist mount.
- Ensure the rows of joists do not exceed 450mm centres, regardless of the type of decking.

Purchase direct from Trade Supplies Ltd or by request at your local builder's merchant



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#### 1.5° TO 2° SLOPE

The adjustable joists are designed to be used on sloping surfaces from 1.5 degrees to 2 degrees.

#### 6 SIZES AVAILABLE

Available in five 1200mm lengths: A, B, C, D, D+, and one 600mm length: A-. They are designed to connect together and allow for the increased height as the deck slopes away.

#### CUT JOIST TO FIT

The width of the deck will determine the joist types needed. At any time a row can be cut to cater for the width of the deck.

#### OBSERVE MAX WIDTH

The maximum width of decking before extra runners are needed\* is 3.6m for a 2° slope and 4.8m for 1.5° degree slope. (See Fig. 2)  
\*Extra runners supplied.

**1 TYPE A - starting row of joists.\***  
Place the first row of TYPE A joists against the wall or door entrance (the highest point of the slope). Keep a 12mm gap between the end of the joist and walls/doors. Using a spirit level placed on top, open the joist until it is level. Fix the joist together with 8g x 40 stainless wood screws at 200mm centres.

#### TYPE A-

\*For decks with less than 100mm step down, use Type A-, available in 600mm lengths.

**2 TYPE B - second row of joists.**  
Place the screw end of a TYPE B joist level with the end of the previous row, and put in first screw. Using a spirit level, open the joist until level and screw together as per row A. With row A and B now end for end, connect them together with the Stainless steel flitch plate, fixed horizontally with 8g x 40 stainless wood screws. (See Fig. 2)

**3 TYPE C - third row of joists.**  
Repeat instructions as for TYPE B, connecting row B and C with the flitch plate fixed vertically (see Fig. 2). At any time a row can be cut to required length.

**4 TYPE D - fourth row of joists.**  
Repeat instructions as for TYPE B, connecting row C and D with supplied stainless flitch, fixed vertically.

**TYPE D+ -** When installing on a 2 degree slope, you will need to place a 45 x 45mm runner under this row (rubber mounts attached). (See Fig. 2) Screw the joist to the runner with a 10g x 50 stainless steel screw.

#### Extra width

For extra width longer than 4.8m, purchase extra TYPE D joists and install by placing on 90mm high x 45 mm wide runners. (Runners not supplied.)

#### Width adjustment / lateral stability

At any time the last row of adjustable joists can be cut to measure. Once the width is complete the last row end can be supported with nogging to provide lateral stability (if required) prior to screwing the decking on.

#### End of run

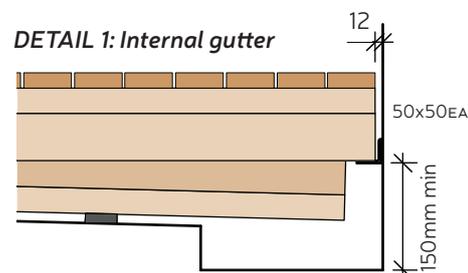
Decks will end over an internal gutter or flush at the end of the deck. (See Detail 1 and 2, right) Stainless 50 x 50 Angle to be used in gutter support.

#### Nogging and extra height runners

Adjustable Deckchair Joists are made from H3 treated LVL to reduce any timber warping. Nogging and extra height runners must also be H3 treated timber.

#### Cutting joists

To shorten joist to the length of the deck, cut the joist and reposition the flitch. Cut joists should be primed and sealed with an exterior timber primer.



DETAIL 2: Exposed edge

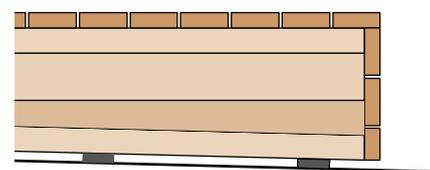


FIGURE 2 – 2° DECK SLOPE OVER 4.8m

