

# ABS – Adjustable Bearer Support

## Materials

- Hot Dip Galvanised Steel as per AS/NZS 4680:2006

## Advantages

- Quick and easy to use when setting height of your bearer.
- Ideal for use on areas where the ground has a “fall”, to provide a level bearer height.
- Heavy duty and fully hot dip galvanised ensures long life-span without failure. Locking nuts ensure absolute rigidity.
- Can be used to prop-up existing bearers or floor joists that have sagged over a period of time.
- Use with 45mm to 100mm wide bearers of various heights.
- Variety of uses include the building of ramps, stairs, post supports, adjusting the rafter support to achieve the pitch on a skillion roof.

## Installation

- Adjustable Bearer Supports should always be fixed with 2 x M10 Titen HD x 60mm long (THD10060MG) anchors to ensure strength and stability of base.
- Base plates are recommended to be placed at 90 degrees to the adjacent base plate to provide best possible lateral stability in all directions. This is critically important if building a free-standing deck (i.e. not attached to any fixed structure – eg house).
- Locking nuts should be fully tightened at all times. This is especially important when the thread is wound out near its maximum height.
- Do not wind the Adjustable Bearer Support higher than 290mm to the bottom of bearer height.
- Note: On a free-standing deck (i.e. not attached to a fixed structure), regardless of bearers meeting span requirements, a minimum of six (6) Adjustable Bearer Supports should be used.

### Minimum seat height to top of joist examples:

- Example 1: Seat height 160mm + Bearer height 90mm + Joist height 140mm = Top of joist overall height of 390mm
- Example 2: Seat height 160mm + Bearer height 140mm + Joist height 90mm = Top of joist overall height of 390mm

### Maximum seat height example:

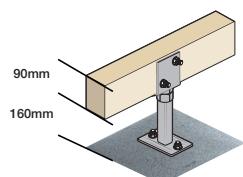
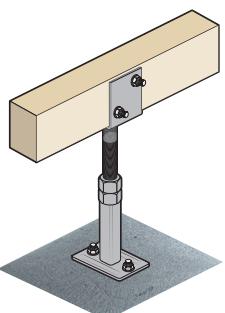
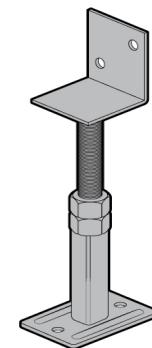
- Example 1: Seat height 290mm + Bearer height 240mm + Joist height 140mm = overall height of 670mm

## Technical Data

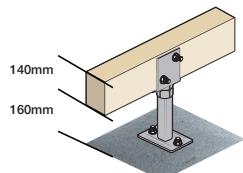
| Model No. | Bearer Width (mm) | Fasteners               |                     | Downward Design Capacity (kN) |
|-----------|-------------------|-------------------------|---------------------|-------------------------------|
|           |                   | Anchor Dia. (mm)        | Bolts (No. Dia. mm) |                               |
| ABS       | 45-90             | 2-M10<br>(2-THD10060MG) | 2-M10               | 16.0                          |

## Notes:

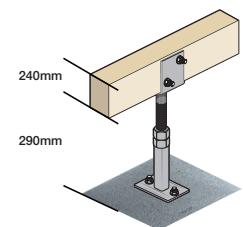
- ABS have a download capacity of 16kN. This is approximately equivalent to 4m<sup>2</sup> of 1.5kPa floor load area
- The above information is a “practical” rather than an “absolute” document. There will be a number of ways to achieve the heights mentioned with different sized bearers and joists, however the installer should always be mindful to operate within the Simpson Strong-Tie product parameters and relevant joist/bearer span tables.
- The product has a supplied lowest height of approx 175mm. In order to achieve 160mm, the bottom 20mm of the threaded rod needs to be cut off.



**Minimum Image (Example 1)**



**Minimum Image (Example 2)**



**Maximum Image**