# TECHNICAL DATA SHEET

# 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**

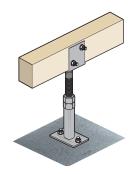
Model No.	Bearer Width (mm)			Downward Design
woder No.		Anchor Dia. (mm)	Bolts (No. Dia. mm)	Capacity (kN)
ABS	45-100	2-M10 (2-THD10060MG)	2-M10	16.0

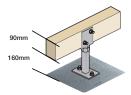
#### Notes:

- 1. ABS have a download capacity of 16kN. This is approximately equivalent to 4m<sup>2</sup> of 1.5kPa floor load area
- 2. 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.
- 3. 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.

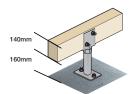


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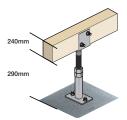




Minimum Image (Example 1)



Minimum Image (Example 2)



Maximum Image

Simpson Strong-Tie® Australia Pty Ltd Call **1300 STRONGTIE** (1300 787664) www.strongtie.com.au

Simpson Strong-Tie<sup>®</sup> (New Zealand) Ltd Call 09 477 4440 www.strongtie.co.nz This flyer reflects information available as of October 02.10.2023 and may be updated periodically. Simpson Strong-Tie Limited Warranty: For the Limited Warranty that applies to Simpson Strong-Tie products, please consult www.strongtie.co.m.2/ warranty or www.strongtie.com.au/warranty depending on your country of purchases. To obtain a copy of the Limited Warranty, contact us at info. nz@strongtie.com or info.au@strongtie.com.au depending on your country of purchase, or at the phone number provided here. The Limited Warranty contains important disclaimers, limitations and exclusions, and applies only if the products have been properly specified, installed, maintained, and used in accordance with the design limits and the structural, technical, and environmental specifications in the Simpson Strong-Tie Documentation. All future purchases of Simpson Strong-Tie products are subject to the terms of the Limited Warranty in effect as of the purchase date.