



Peak® Steel Stair Stringer

SKU 72555, 72560, 72565, 72570

Certificate of Compliance

Building Code of Australia, Volume Two

DISCLAIMER

WARNING

Comply with all applicable building codes. Before using this product, ensure foundation is suitable. Not suitable for all applications or any commercial use. Do not overload. Wear protective attire and eyewear.



**CERTIFICATE OF COMPLIANCE - DESIGN:
PEAK STRINGER
(1, 2, 3, 4, 5, 6, & 7-STEP)**

**Peak Products Corporation,
c/- 27 Zilla Court, Dandenong,
Victoria, 3175, Australia**

This is to certify that I have checked the structural adequacy of the Peak Products Corporation, Peak Stringer (1, 2, 3, 4, 5, 6, & 7 Step) for use in domestic and residential activities in self-contained dwellings.

Based on design documentation referenced, checking has been carried out in accordance with the following Standards:

1. AS/NZS 1170.0 Structural Design Actions, Part 0: General Principles
2. AS/NZS 1170.1 Structural Design Actions, Part 1: Permanent, imposed and other actions
3. AS/NZS 4600:2005 Cold-formed steel structures
4. AS 4100:1998 Steel structures

I hereby certify that the Peak Products Corporation, Peak Stringer (1, 2, 3, 4, 5, 6, & 7 Step) has been designed in accordance with the requirements of the above listed standards for those reasonably expected design actions for domestic and residential activities (self-contained dwellings) pursuant to demonstrating compliance with:

- NCC 2016 Building Code of Australia Volume Two, Performance Requirement P2.1.1 Structural stability and resistance to actions.

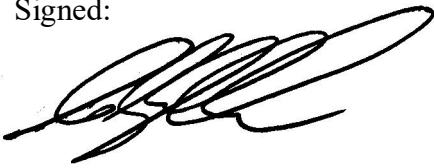
Subject to the following conditions:

- i. Product selection and installation shall be made by a competent person who is conversant with the application and technical aspects of the product, who has ready access to the relevant technical information related to the product installation.
- ii. Product installation shall only be carried out to supporting structures independently verified as capable of providing the necessary structural support.
- iii. Each tread must consist of a single piece of material with a minimum width of 240mm and a minimum thickness of 41mm (to ensure a 125mm sphere will not pass between the treads) rigidly connected to each Peak Stringer by at least two connectors.

Design documents:

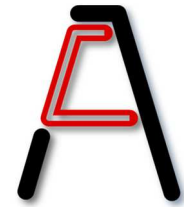
Specifications:	Prepared by:	Date:
Peak Stringer - Installation Instructions, <i>Peak Steel Stringers – Installation Instructions V1.pdf</i> (Attachment 1)	Peak Products Corporation	24/8/2018
Peak Stair Stringers System Details, <i>CoC Report Drawings Stringers AUS_V6.pdf</i> (Company Confidential) (Attachment 2)	Peak Products Corporation	24/12/2016

Signed:



Date: 11th September 2018

Dr Cameron Chick BE(Hons), Ph.D, GC.Com.(Mktg), M.AIRAH, RPEQ
Registered Building Practitioner: Engineer (Civil) Registration No: EC 39441
Director - Acronem Consulting Australia Pty Ltd



ATTACHMENT 1: PEAK STRINGER – Installation Guide

Simple 1-2-3 Installation

CAUTION Before beginning work, read and follow DETAILED instructions from below or from www.peakproducts.com.au. Building codes may vary. Always understand and comply with your local building codes.

Important Information

Pine step tread applications only: For stairs up to 1200 mm wide, use two stringers spaced a maximum of 950 mm apart. For stairs over 1200 mm wide, space stringers not more than 600 mm apart. Only use 240 mm x 45 mm step treads.

Spotted Gum / Merbau / Ironbark step tread applications only: For stairs up to 1200 mm wide, use two stringers. For stairs over 1200 mm wide, space stringers not more than 600 mm apart. Only use 240 mm x 43-45 mm step treads.

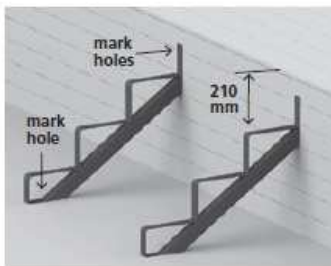
All applications: Step treads may overhang end stringers by 125 mm and must have a slip-resistant finish, or non-skid strip or treatment near the edge of the nosing.

Suggested deck height approx.
660 mm

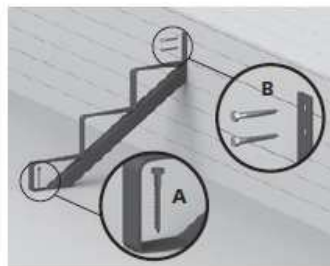
Stringer extends from deck approx.
725 mm

Tools and materials required

- Drill and drill bits
- Level
- Measuring tape
- Socket or spanner: 13 mm, 16 mm
- Fasteners (not included)
- Timber treads (not included)



- 1** Determine the location of all stringers and ensure the top tread support is 210 mm down from upper deck surface. Then, for each stringer, level and mark the two fastener locations on the deck rim, and one fastener location on the lower deck surface.



- 2** **A:** Attach bottom of each stringer using M10 x 50 mm coach screws* for timber, or M10 x 60 mm Ramset™ WERCS Ankascrew™ anchors for concrete.
B: Attach top of each stringer using M10 x 50 mm coach screws* for timber, or M10 x 60 mm Ramset™ WERCS Ankascrew™ anchors for concrete.

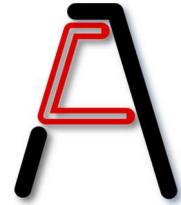
*Minimum embedment of threaded portion of screw must be 45 mm into innermost structural member. Material of steel coach screws shall be given in AS/NZS 4291.1, for property classes 4.6 and 4.8.



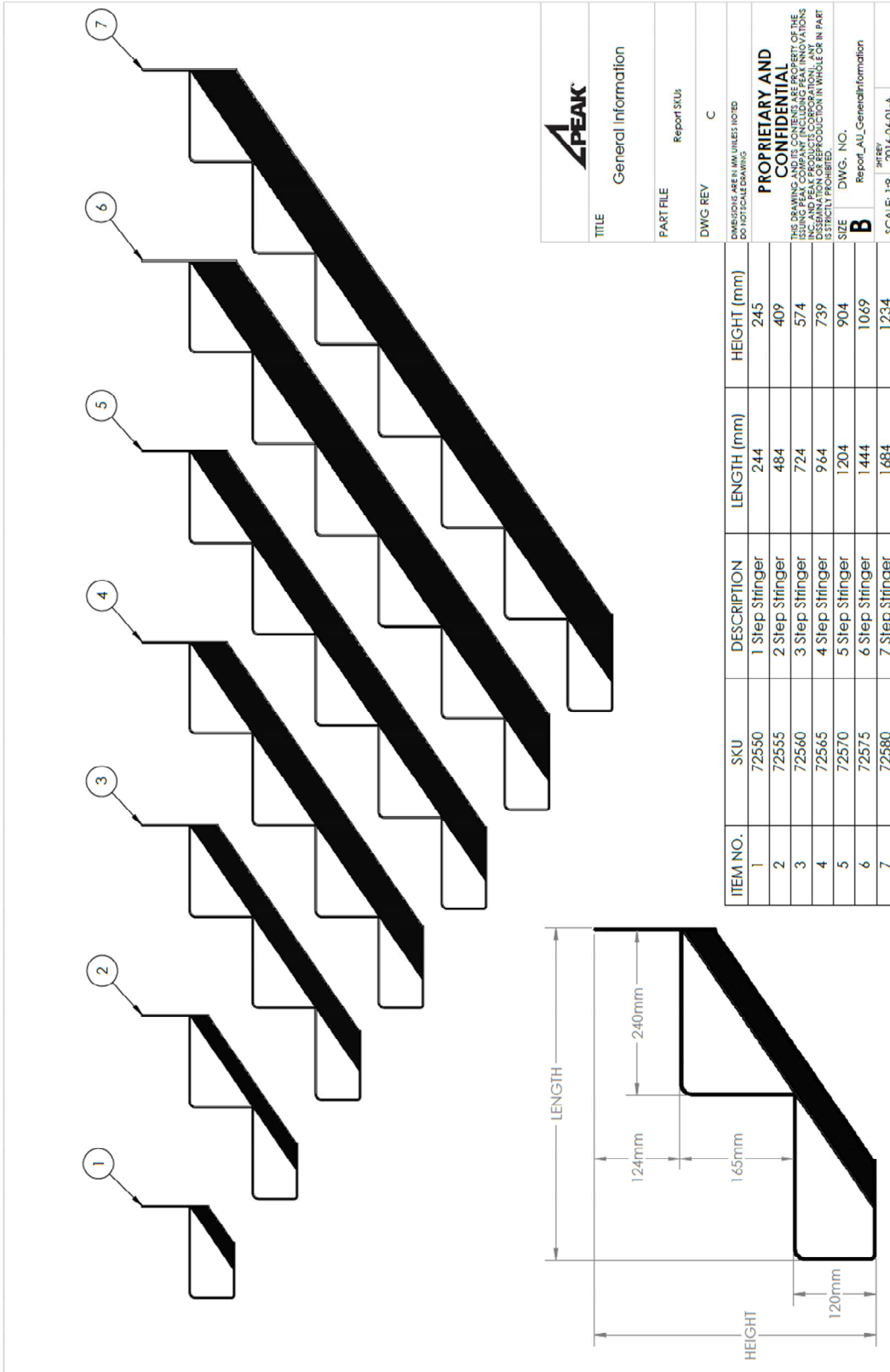
- 3** Install each timber tread using M8 x 60 mm cup head bolts, nuts and washers.

WARNING No representation or warranty is given that your particular application of these products complies with relevant building codes or that the fasteners used are appropriate for your application. Consult with professionals and local building officials before beginning work: (i) to ensure compliance with relevant building codes for your application and for your proposed use of fasteners; (ii) to ensure the integrity of the structural components in connection with which these products are to be used; (iii) to identify appropriate safety gear that is to be used during installation such as a safety harness when working above ground; (iv) to ensure that the work area is free from utilities, services and hazards; and (v) to clarify any instructions or warnings that may not be clear. Work in a safe manner wearing protective gear such as gloves, eyewear, headwear, footwear and clothing. When using tools comply with operation manuals and instructions. Installation materials may have sharp edges and could fragment or splinter during or as a result of handling or cutting. Do not use these products in connection with any substance that is or may be harmful or corrosive to the products. Inspect and maintain these products and the structural components that they are used in connection with on a regular basis, using professionals when appropriate.

Peak Products Corporation shall not be liable for any loss or damage resulting from the improper installation or improper use of this product, subject to any contrary provision of the Australian Consumer Law in Australia. Peak products and associated materials are protected by patents, designs, copyrights and/or trademarks used under license from Peak Innovations Inc.



ATTACHMENT 2: PEAK STRINGER – System Details



TITLE	General Information
PART FILE	Report SKUs
DWG REV	C
DIMENSIONS ARE IN MM UNLESS NOTED DO NOT SCALE DRAWING	
PROPRIETARY AND CONFIDENTIAL THIS DRAWING IS THE PROPERTY OF ACRONEM CONSULTING AUSTRALIA PTY LTD. ANY REPRODUCTION OR DISSEMINATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF ACRONEM CONSULTING AUSTRALIA PTY LTD IS STRICTLY PROHIBITED.	
SIZE	DWG. NO.
B	Report_AU_GeneralInformation
SCALE: 1:9	DATE: 2016-06-01-A

