



# SOLAR BRACKET GUIDE

## INSTALLATION AND PRODUCT INFORMATION

### Overview



#### LOW PROFILE SOLAR BRACKET

Suitable for Gerard profiles:  
Senator, Rockport, Alpine, Aspen

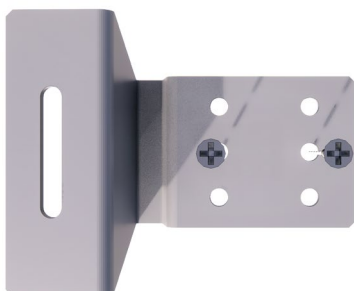


#### HIGH PROFILE SOLAR BRACKET

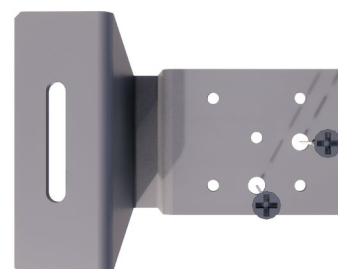
Suitable for Gerard profiles:  
Heritage, Bond, Milano, Shake, Classic

### Fastening Guide

Fasten through battens into rafters using the holes shown below.



Low Profile Solar Bracket



High Profile Solar Bracket

## Installation

- Lay the first course of tiles
- Fasten solar brackets to batten/rafter joints in accordance with the solar plan. Ensure brackets are fastened through the batten into the rafter.
- Lay and fasten next course of tiles
- Repeat this method up the plane of the roof
- Using the solar brackets, the solar installer can now mount the solar panel rails and install the panels.

**Note:** For profiles where the dimensions of the pans misalign the bracket with the rafter joint, brackets must not be installed more than 100mm from the rafter joint.

## Fastening Requirements

Each solar bracket requires two 80mm x 10G screws through the batten into the rafter.

## Product Specification

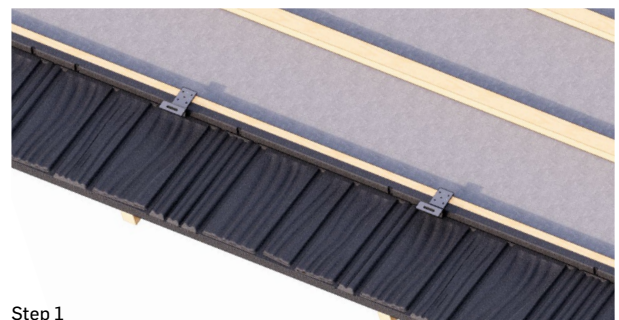
Material: Steel 3mm BMT

Coating: ZAM K35 grade

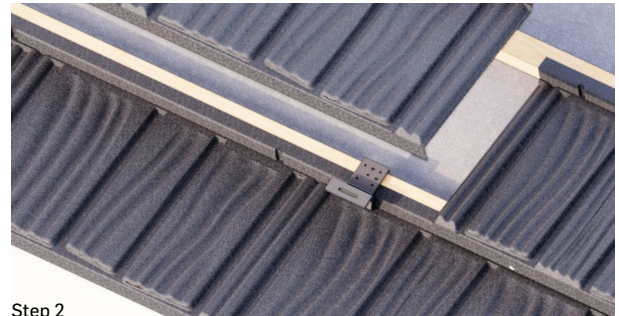
Design capacity: 2.15 kN ULS

## Bracket Spacing

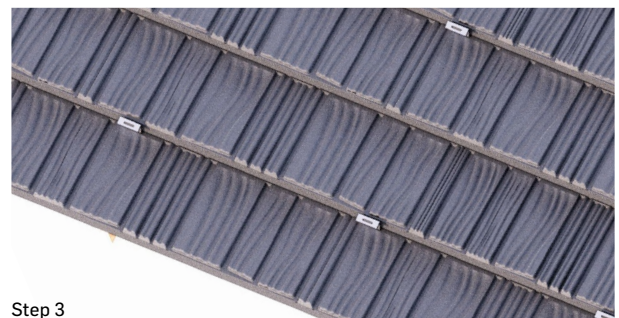
Fasten brackets to rafter joints in accordance with the table below.



Step 1



Step 2



Step 3

		RAFTER X BATTEN SPACING				
		900 x 370mm	900 x 740mm	900 x 1100mm	900 x 1480mm	1800 x 740mm
Wind Zone	Wind Speed (m/s)	Fastener load strength required (kN)				
Low	32	n/s	0.86	1.29	1.72	1.72
Medium	37	n/s	1.15	1.72	n/s	n/s
High	44	n/s	1.63	n/s	n/s	n/s
Very High	50	n/s	2.10	n/s	n/s	n/s
Extra High	55	1.27*	n/s	n/s	n/s	n/s

\* Installation of solar brackets is required at each rafter/batten junction in an Extra High wind zone.

n/s = not suitable

Installation of the solar brackets at the spacing highlighted above meet the criteria to withstand the wind loads on a solar panel array as outlined in AS/NZS 1170.2, D6 Solar Panels. The fixing points load requirement is below the solar brackets' design load of 2.15kN.