



Installation Instructions:-

Straight Roof Tension Rafter - SRTR

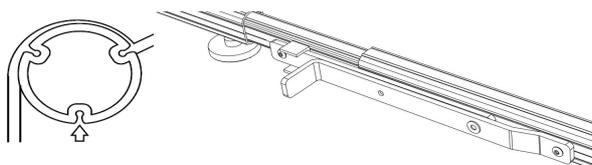
Exclusive Registered Design

The Grasshopper Straight Roof Tension Rafter *SRTR* has been especially developed to overcome a huge lack in the caravanning industry in providing a suitable portable awning Roller/roof fabric Tensioner.

The Grasshopper **SRTR offers benefits** which overcome problems users are challenged with on a daily basis:-
1. The SRTR assists in preventing wind flap in the fabric of the Awning
2. Places tension into the fabric of the Awning, this assists in preventing water collection which in the past has caused the stretching and subsequent sagging of the fabric.

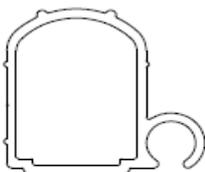
Effectiveness of the SRTR

The *SRTR* becomes most effective when used in conjunction with the Roll Out Awning's manufacturers instructions. Grasshopper suggests that the owner of the ROA obtain their exclusive set of ROA instructions. Upon reading these instructions the user will realise that a 6:00 o'clock track setting is required, capturing the rainwater behind the roller, with flow off to one end or the other, depending on landfall.



The SRTR has been designed to push the roller forward with its sophisticated pumping handle. It will surprise the user how little pressure is required to straighten the roller Tube, tighten the fabric, and reduce wind flap of the fabric.

Additional benefits of the SRTR



The Grasshopper SRTR is the only roof rafter which has a **Sail Track incorporated** into its construction.

Incredibly so (the **SRTR has a specialist Sail Track** included), the benefits are enormous. Imagine having the capability now to make that additional room without complications.

The Straight Roof Tension Rafter has been designed to push the roller outwards, straightening the Awning Roller, and eliminating the sag of the fabric by placing tension into the fabric

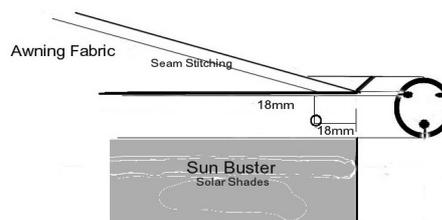


Placement of SRTR fittings/Hardware Midway along the roller

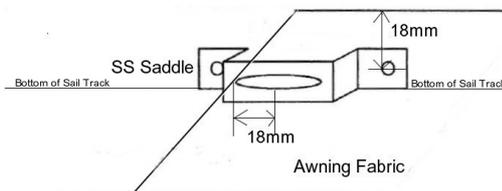
- Step 1** Locate the hole in the roller into which the spigot of the SRTR is placed by first placing a mark on the Roller. Its location is 18mm below the vinyl fabric and midway along the Awning Roller. Make this mark with a pencil followed with a nail punch. Drill hole appropriately.
- Step 2** The saddle is placed similarly as described above on the Sail Track body which is attached to the side of the caravan. Locate the saddle 18mm below the Vinyl roof. Attach Saddle over center mark with screws supplied after drilling suitably spaced holes

Placement of SRTR fittings/Hardware at either end of the fabric Roof.

- Step 1** Locate the hole in the roller into which the spigot of the SRTR is placed by first placing a mark on the Roller. Its location is 18mm below the vinyl fabric and 18mm inside the edge of the vinyl. Make this mark with a pencil followed with a nail punch. This guarantees an accurate placement of the hole. When using at the ends, use the proven Grasshopper 18/18 method.



- Step 2** Locate the saddle using the same measurements; with a pencil, mark the 18mm position. This should fall in a position so the saddle can be attached to the sail track with screws, with not much room to spare. The centre of the saddle should be placed over this pencil mark, and fitted in to position with the screws supplied. Pre drilling holes is recommended after marking placement and center tapping with a nail punch to ensure accuracy. If using the SRTR at an end use the proven Grasshopper 18/18 method



Remember, a little pressure goes a long way!