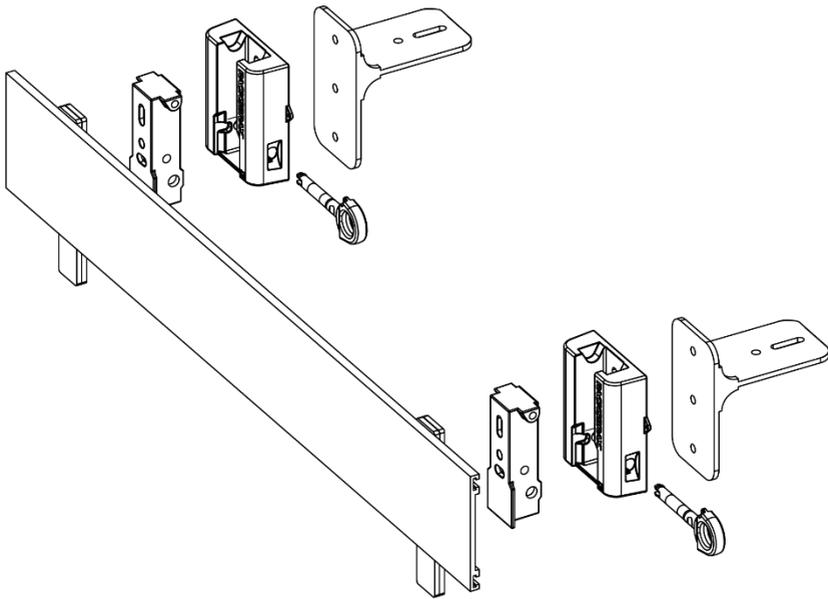


# RACKS BRAX.®



**HD AWNING ADAPTOR BARS (80-105MM TRACK SPACING)  
[DOUBLE] (8175)**

AND

**HD AWNING ADAPTOR BARS (80-105MM TRACK SPACING)  
[TRIPLE] (8176)**

*Assembly and Mounting Instructions*

## HD AWNING ADAPTOR BARS

The Adaptor Bars specifically fit the Rhino-Rack® Batwing® and Oztent® Foxwing® awnings and are supplied with stainless steel M8 T-bolt fasteners. These can also be used as replacements for M8 bolts on other awning types.

The RacksBrax HD Awning Adaptor Bars bolt to the RacksBrax HD Hitch (sold separately) and allow the awnings to be loaded and unloaded in seconds.

These bars also suit pull-out, 180 degree and wing-style awnings, with a spine centre spacing between 80mm and 105mm with weight not exceeding 20kg per load point.

## WHAT YOU WILL NEED

### A. TOOLS

- i. 1 × 13mm socket wrench and socket; and
- ii. 1 × 13mm open-ended or ring spanner.

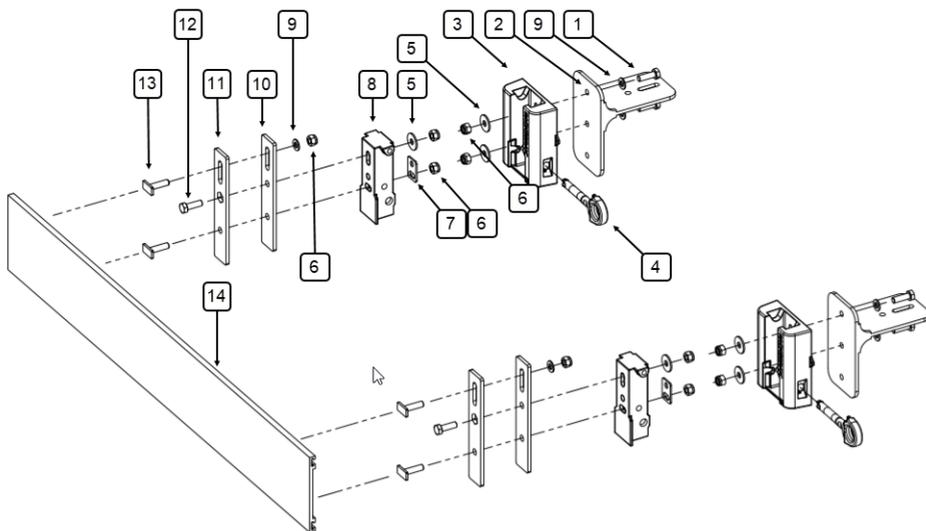
### B. BRACKETS

- i. 2 or 3 brackets (depending on the manufacturers' recommended number) that are designed to fit your roof rack. These brackets need M8 fastener hole centres at 40-53mm (on the vertical face of the bracket) with a cross section of at least 5mm x 40mm for each bracket.
- ii. Note that Batwing® awnings are supplied with two such brackets. Foxwing® awnings are supplied with brackets with fastener centres at 100mm centres and these brackets will need to be substituted for brackets with fastener centres between 40-53mm (typically 50mm). Substituted brackets with fastener hole centres may also need to be used for awnings other than Batwing® awnings.

**C. A RacksBrax HD Hitch Standard (8159)** (at a minimum, sold separately).

**D. A RacksBrax HD Wall Mount (8160)** (optional for wall-mounted storage, sold separately).

**Figure 1** HD Awning Adaptor Bars mounted with HD Hitch and mounting brackets



- 1.** M8 x 20mm bolt (supplied with the RacksBrax HD Hitch Standard)
- 2.** Brackets to suit roof rack with M8 fastener holes at 40-53mm centres
- 3.** RacksBrax HD Hitch Body
- 4.** RacksBrax HD Hitch Pin
- 5.** M8 24mm dia. washer (supplied with HD Accessory Bars)
- 6.** M8 nylon insert nut (supplied with HD Hitch Standard)
- 7.** M8 32mm x 22mm rectangular washer (supplied with HD Accessory Bars)
- 8.** RacksBrax HD Hitch Holder (supplied with the RacksBrax HD Hitch Standard)
- 9.** M8 16mm dia. washer (supplied with the HD Hitch Standard)
- 10.** RacksBrax Adaptor Bar (Part 1)
- 11.** RacksBrax Adaptor Bar (Part 2 – with hexagonal bolt head housing)
- 12.** M8 x 20mm bolt (supplied with the RacksBrax HD Hitch Standard)
- 13.** M8 x 35mm T-bolt (12.7mm x 12.7mm head suits Foxwing®, 20mm x 12.7mm x 35mm suits Batwing® - both types supplied); these may be used to substitute M8 bolts on other awnings
- 14.** Awning spine with track spacing between 80mm and 105mm

# RACKSBRAX®

## ASSEMBLY INSTRUCTIONS

1. Park the vehicle on level ground.
2. Fasten the brackets to your roof rack using the roof rack manufacturers' recommended fasteners.
3. Bolt the Body of the RacksBrax HD Hitch to the bracket using the instructions provided with the HD Hitch Standard pack (**RB-INS-001 - HD Hitch range**).
4. Bolt each Adaptor Bar (Part 1 – without the hexagonal bolt head housing) to the Hitch Holder so the lower end of the bar aligns with the lower end of the Hitch Holder noting the 20mm M8 hexagonal head bolt goes through the middle hole on the Adaptor Bar (Part 1).
5. Slide the T-bolts into the awning spine tracks, 2 per support/Hitch Holder location. Note: centres are to match brackets on the roof rack and the rear of the awning and should be positioned to clear the rear of the vehicle.
6. Place the Adaptor Bar (Part 2 – with the hexagonal bolt head housing) over the T-bolts.
7. Mate the 2 Adaptor Bars (Part 1 and Part 2) with the Hitch Holder and add the washers and nuts as shown in **Figure 1**.
8. Do up all bolts to a firm but not a tight fit so they can slide along the awning spine for fine tuning as the Hitch Holder is positioned in the Hitch Body on the roof rack.
9. Lift the awning into the Hitch Bodies on the roof rack brackets. You may need to slide the Hitch Holders along the awning marginally as you position the Holders into the Hitch Bodies.
10. Lift the awning and tighten the bolts on the Holder/Bar/awning assembly and retest the fit into the Body. Repeat until the awning "folds" into Hitch Body without binding.
11. Tighten all bolts, and using the Hitch Pin and barrel lock on the Hitch to lock your awning on.

If you have purchased the optional pair of HD Wall Mounts (8160), simply place your awning on the Wall Mounts ready for a speedy getaway next time you head off on your next adventure.

**FAST ON!  
FAST OFF!**

**RACKSBRAX®**

For more information on our other products, future releases and more, visit our website [www.racksbrax.com](http://www.racksbrax.com)