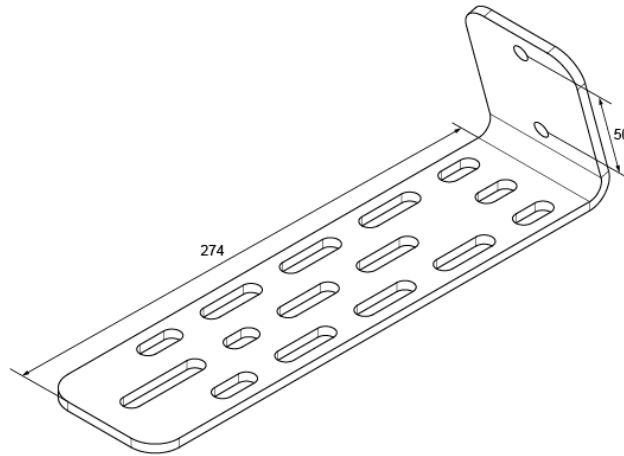


RACKS BRAX.®



HD 15 DEGREE ANGLE BRACKETS

Assembly and Mounting Instructions

HD 15 DEGREE ANGLE BRACKETS (DOUBLE) (8320)

Congratulations on purchasing the RacksBrax HD 15 Degree Angle Brackets. This bracket is designed to be used with a RacksBrax HD Hitch to permit quick release of recovery boards. Brackets will carry up to 4 side mounted recovery boards by MAXTRAX® or TRED® when used with the **RacksBrax HD Hitch** and **HD Accessory Bars (8173)** or **HD Hitch and HD Accessory Plate Gen 2 (8210)**.
These products are sold separately.

WARNING

(Read in conjunction with RacksBrax "SAFETY WARNINGS")

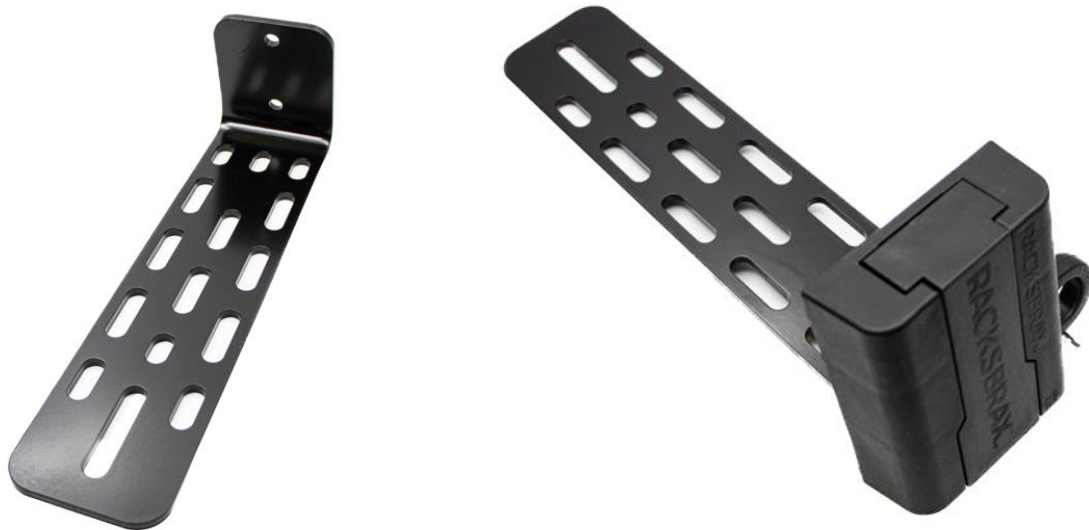
- 1) Bolt torque settings: M8 = 6N·m (5 ft·lb).
- 2) Do not use nylon-insert lock nuts more than once.
- 3) To reduce the chance of threads seizing use an **anti-seize compound** and tighten thread **slowly to avoid heat buildup in the threads.**
- 4) **DO NOT USE DRILL TO TORQUE BOLTS.**
- 5) **Maximum load** per single Hitch is 20kg/44lb.
A lesser roof rack capacity may reduce this.
- 6) Loads must not exceed the rated load capacity of the Hitch (20kg/44lb), the bracket (20kg/44lb), the roof rack nor the vehicle manufacturers' specifications.
- 7) Awnings must be restrained in windy conditions, drained during rain and cleared during snow.

INTRODUCTION

The RacksBrax HD 15 Degree Angle Brackets (Double) 8302 are supplied in a LONG foot version only. The bracket is crafted from stainless steel and is powder coated black. Designed for a load of 20kg (44lbs) per bracket, subject to permitted roof rack loads, they can carry up to 4 MAXTRAX® or 4 TRED® of any (similar) size. This bracket may be used on most roof rack bars, platforms racks with either longitudinal or transverse slats. It is not suited to roof racks/ platforms with a perimeter lip.

The bracket foot is attached to roof rack channels/bars with fasteners suited to the specific roof rack design. Fasteners are not included for attachment of the bracket to the roof rack. A visit to your local roof rack specialist will get you the correct fasteners for your specific roof rack.

Figure 1 HD 15 Degree Angle Brackets without (Left) and with (Right) RacksBrax quick release HD Hitch



WHAT ELSE DO I NEED FOR THE BRACKET?

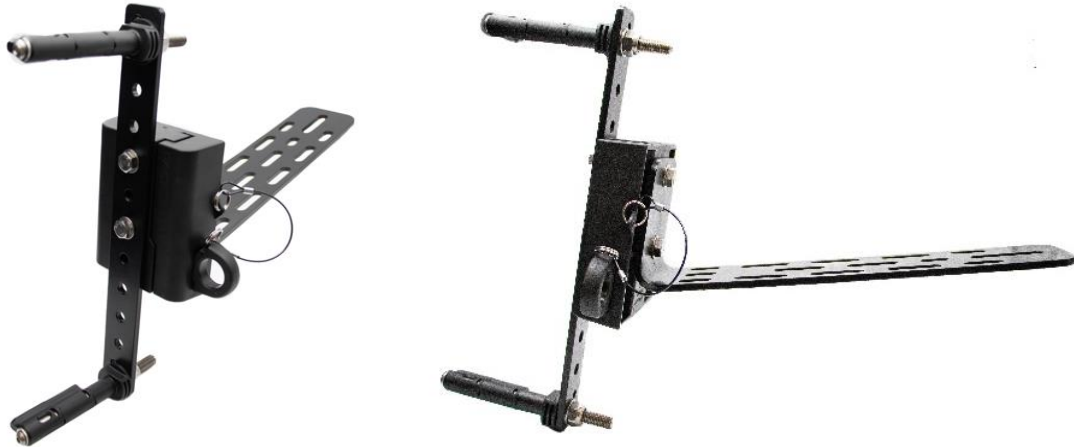
For a roof rack platform with longitudinal slats (and no perimeter lip)

By attaching a RacksBrax quick release **HD Hitch (8159)** and the **RacksBrax HD Accessory Bars (8173)** to your HD 15 Degree Angle Brackets, recovery boards may be quickly and easily removed from vehicles when not required or likewise, reloaded for the next adventure in seconds. No tools required!

Figure 2 15 Degree Angle Bracket on roof rack platform with longitudinal bars



Figure 3 HD 15 Degree Angle Brackets with RacksBrax HD Hitch and RacksBrax HD Accessory Bars (shown here with MAXTRAX® recovery board pins but equally suited to TRED® recovery board pins)



The HD Accessory Bars on the HD Hitch/HD 15 Degree Angle Brackets combo can slide horizontally (then be fastened) to allow positioning of the recovery board pins to suit the spacing of the pin positions on the various recovery boards. See figure 4 and 5 below.

HD Accessory Bars (8173) mounted on HD 15 Degree Angle Brackets suit:

- MAXTRAX® Mk II, Lite, Mini
- TRED® Pro, Pro by ARB, GT, GT Compact, HD, HD Compact

Figure 4 MAXTRAX® Mini mounted on HD 15 Degree Angle Brackets (with HD Hitch and HD Accessory Bars)

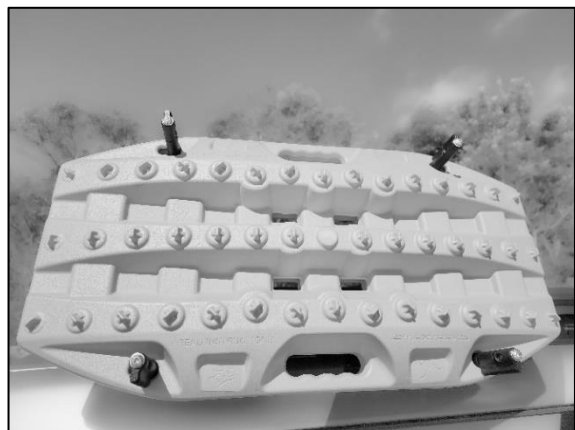
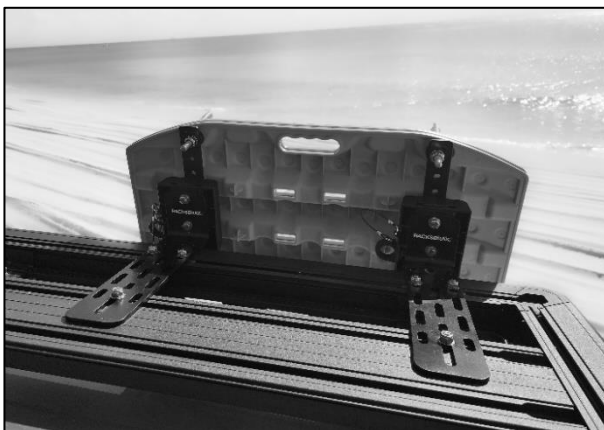


Figure 5 MAXTRAX® Mk II mounted on HD 15 Degree Angle Brackets (with HD Hitch and HD Accessory Bars)



For roof rack bars or a platform with transvers slats or bars (and no perimeter lip)

By attaching a RacksBrax quick release HD Hitch (8159) and RacksBrax HD Accessory Plate Gen 2 (8210) to your 15 Degree Angle Bracket, recovery boards may be quickly and easily removed from vehicles when not required or likewise, reloaded in seconds. No tools required!

The HD Accessory Plate acts as a bridge between roof rack bars/transverse slats to allow adjustment of the recovery board pins to suit the spacing of the pin positions on the various recovery boards.

HD Accessory Plates Gen 2 (8210) suit:

- MAXTRAX® Mk II and Lite (**NOT MAXTRAX® Mini**)
- TRED®, Pro, Pro by ARB, GT, GT Compact, HD, HD Compact

Figure 6 HD 15 Degree Angle Brackets Mounted on Roof Rack Bars



Figure 7 HD 15 Degree Angle Brackets with RacksBrax HD Hitch and HD Accessory Plate with MAXTRAX® Mk II on Roof Rack Bars



Note: You will require either 4 × MAXTRAX® recovery board pins or 4 × TRED® recovery pins (as applicable) to attach to either the HD Accessory Bars or the HD Accessory Plate. These are not included with the bracket.

WHY A 15 DEGREE ANGLE BRACKET?

The Angle Bracket facilitates carrying recovery boards positioned on the side of a roof rack at an angle of 15 degrees off the vertical. This angle better matches the angle of the side of many modern 4WD vehicles and so is less likely to catch recovery boards on branches or other objects!

Figure 8 HD 15 Degree Angle Brackets side profile

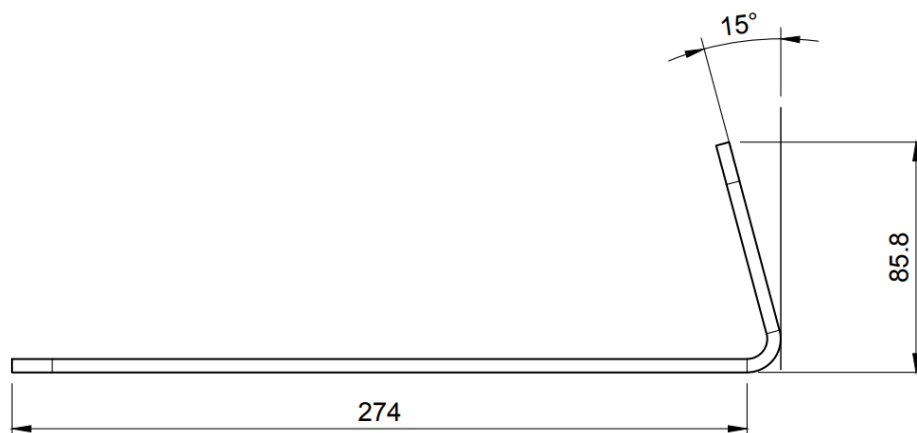


Figure 9 MAXTRAX® side mounted at 15 degrees on roof rack bars



WHAT ARE THE REDUCED HEADROOM ADVANTAGES?

When recovery boards on RacksBrax systems are removed for storage (in seconds) the headroom they occupied is reduced by up to 150mm making garage, carpark and shopping centres navigable!

Once recovery boards have been removed, only the bracket and the HD Hitch sit above and outboard of the roof rack. This means **no more dangerous recovery board pins protruding from the vehicle with recovery boards removed whilst negotiating suburban life!**



WHAT ABOUT IN A RECOVERY SITUATION?

Recovery board access is FAST and boards are quickly available by undoing the 4 pins (either TRED® pins or MAXTRAX® pins as applicable) and lifting off the boards for placement under tyres. Similarly, reloading boards is quick, just place the boards back over the pins and refasten the pins.