Rhino Track Mount System

Maximum carrying capacity for the track system is 100kg (220lbs). Please refer to your vehicle manufacturers handbook for the maximum roof loading of your vehicle. Always use lower of the two figures.

Recommendations:
It is essential that all bolt connections be checked after driving a short distance when you first install your crossbars. Bolt connections should be checked & lubricated at regular intervals (probably once a week is enough, depending on road conditions, usage, loads and distances travelled). You should also check the crossbars each time they are refitted. Make sure to fasten your load securely. Please ensure that all loads are evenly distributed and that the centre of gravity is kept as low as possible.

Crossbars must be removed when putting vehicle through an automatic car wash.

Use only non-stretch fastening ropes or straps.

Caution: The handling characteristics of the vehicle changes when you transport a load on the roof. For safety reasons we recommend you exercise extreme care when transporting wind-resistant loads. Special consideration must be taken into account when cornering and braking.

Load Ratings:
Maximum permissible load is 100kg (220lbs) for two crossbars including the weight of the crossbars, 5kg (11lbs). When crossbars are to be used in off-road conditions, please build a safety factor of 1.5 into this load limit for off-road use, two crossbars = 66kg (145lbs). Although the crossbars are tested and approved to AS1235-2000, Off-road conditions can be much more rigorous. However, increasing the number of crossbars does not increase the vehicles maximum permissible roof loading.

Note for Dealers and Fitters:
It is your responsibility to ensure instructions are given to the end user or client.

Tools required, Track install:
- Power drill
- Drill stop
- 5mm (3/16") drill bit
- Vacuum Cleaner
- Felt tip pen
- Carton knife
- Rivet gun/Pneumatic

Tools required, Legs/Heavy Duty Crossbars install:
- 5mm Torque Allen key (supplied)
- Measuring tape
- 16mm spanner
- Rubber mallet

These instructions remain the property of Rhino-Rack Australia Pty. Ltd. and may not be used or changed for any other purpose than intended.
### Rhino Track Mount System

#### Parts List - Track Kit. Sold separately.

<table>
<thead>
<tr>
<th>Item</th>
<th>Component Name</th>
<th>Qty.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RT Track (available in various lengths)</td>
<td>2</td>
<td>N9460</td>
</tr>
<tr>
<td>2</td>
<td>Track end cap</td>
<td>4</td>
<td>M006</td>
</tr>
<tr>
<td>3</td>
<td>Rivet (quantities depend on length of track)</td>
<td>-</td>
<td>H004</td>
</tr>
<tr>
<td>4</td>
<td>Fitting instruction</td>
<td>1</td>
<td>RR04</td>
</tr>
</tbody>
</table>

#### Parts List - Leg Kit. Sold separately.

<table>
<thead>
<tr>
<th>Item</th>
<th>Component Name</th>
<th>Qty.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Track mount Leg (50mm or 80mm)</td>
<td>2</td>
<td>M057</td>
</tr>
<tr>
<td>2</td>
<td>M6 hex brass nut</td>
<td>4</td>
<td>M010</td>
</tr>
<tr>
<td>3</td>
<td>M6 spring washer</td>
<td>4</td>
<td>W009</td>
</tr>
<tr>
<td>4</td>
<td>M6 flat washer</td>
<td>4</td>
<td>W003</td>
</tr>
<tr>
<td>5</td>
<td>M6 x 35mm security screw</td>
<td>4</td>
<td>B092</td>
</tr>
<tr>
<td>6</td>
<td>M10 flat washer</td>
<td>2</td>
<td>W021</td>
</tr>
<tr>
<td>7</td>
<td>M10 shakeproof washer</td>
<td>2</td>
<td>W022</td>
</tr>
<tr>
<td>8</td>
<td>M10 x 25mm hex bolt</td>
<td>2</td>
<td>B071</td>
</tr>
<tr>
<td>9</td>
<td>M10 channel nut</td>
<td>2</td>
<td>N024</td>
</tr>
<tr>
<td>10</td>
<td>Track wedge</td>
<td>4</td>
<td>M148</td>
</tr>
<tr>
<td>11</td>
<td>Crossbar end cap Sold separately</td>
<td>4</td>
<td>M002</td>
</tr>
<tr>
<td>12</td>
<td>5mm Torque Allen key</td>
<td>1</td>
<td>TORKY-S</td>
</tr>
<tr>
<td>13</td>
<td>Fitting instruction</td>
<td>1</td>
<td>RR04</td>
</tr>
</tbody>
</table>

**Crossbars. Sold separately.**

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**WARNING! Important Load Carrying Instructions**

With utility vehicles, the cabin and the canopy move independently. Roofracks and vehicle can be damaged if the item transported is rigidly fixed at points on both the cabin and canopy. Instead, rigidly fix to either the cabin roofracks or the canopy roofracks.

### Maximum Load Capacities

- **Urban road**: Max. 100kg/220lbs
- **Off-road**: Max. 66kg/145lbs

- **Max. 100kg/220lbs**
  - 5kg/11lbs
  - 2 x Crossbars
  - Crossbars. Sold separately

- **Max. 66kg/145lbs**
  - 2 x Crossbars
  - Crossbars. Sold separately

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- Please refer to your vehicle manufacturers handbook for maximum roof load capacity.
- Any load transported on Roof Racks must be evenly distributed.
- Instructions are to remain with the vehicle.
- Do not attempt to fit the roof racks to your vehicle unless you fully read and understand the fitting instructions provided.
- Please direct any questions to the dealer from where the roof racks were purchased.
- Check the contents of this kit before commencing fitment and report any discrepancies.
Refer pages 5-7 for more detailed track fitting of the following vehicles only.

**CHEVROLET SILVERADO** .......................................................... page 5
**CHEVROLET AVALANCHE** ......................................................... page 5
**GMC SIERRA** ........................................................................... page 5
**NISSAN TITAN** ........................................................................ page 6
**HONDA PILOT** ........................................................................ page 6 & 7

1. Insert a rubber buffer strip into top of each crossbar.

2. **Track mount leg hardware assembly.**
   - M10 channel nut
   - Track mount Leg
   - M10 flat washer
   - M10 shakeproof washer
   - M10 x 25mm hex bolt
   - M6 x 35mm security screw
   - M6 spring washer
   - M6 flat washer
   - Wedge
   - M6 brass nut

3. Insert legs into each end of the crossbars. Check that the channel nut is located across the bar as shown in Figure 4a. Do not tighten at this stage.

4. Place the tracks on the roof to determine their best position. Tracks should be as far apart as possible. Measure the width as guide to the following step. Apply masking tape to the roof where the tracks will be positioned.

**CHEVROLET SILVERADO Ext. Cab**
**CHEVROLET AVALANCHE**
**GMC SIERRA Ext. Cab**

Align rear of track with rear edge of rear door. Measure 10mm (3/8") from edge of roof channel to outer edge of the track as shown below. Measure to make sure tracks are parallel across the vehicle.

Track length equals 900mm (35.4").
1. Measure 200mm (8”) from front door jamb to front of the track as shown below. Track length equals 1000mm (39.4”).

2. Measure 3mm (1/8”) from outer edge of roof channel/trim to inner edge of the track as shown below. Measure to make sure tracks are parallel across the vehicle. Track length equals 1400mm (55.1”).

Assemble the tracks, legs and crossbars on a flat surface. Measure to ensure tracks are parallel and the legs & crossbars are evenly spaced. Make sure all of the holes in the track are visible. For measurement (A) use the previous step as a guide. Fasten the M6 leg screws and M10 bolts so they are secure enough not to move. Do not overtighten. Place the whole system onto the vehicles roof.
6. Remove the white backing paper from the adhesive foam tape under the track. Cut the two strips of adhesive tape 22mm (7/8") from each end of each track to allow for the end cap. Lay each track over the holes drilled. Slide end caps under the track ends before riveting.

7. a. Use a 5mm (3/16") drill bit. Fit a drill stop allowing 5-6mm (3/16"-1/4") of the drill to protrude. Adjust if required.
   b. Drill all marked holes through. When drilling, hold the drill perpendicular to the roof angle.
   c. Vacum the swarf from the roof to avoid scratching.

8. Remove masking tape.
   b. Apply Cold Galvanising solution inside and around all holes to prevent rust. Allow to dry.
   c. Apply an Automotive Butyl Sealant to the holes.

9. Remove the white backing paper from the adhesive foam tape under the track. Cut the two strips of adhesive tape 22mm (7/8") from each end of each track to allow for the end cap. Lay each track over the holes drilled. Slide end caps under the track ends before riveting.

10. Place the track onto the vehicle roof lining up with drilled holes. Place rivets through all holes to align the track. **Fit the end caps before fixing the end rivets.** Fix a track to each side of the roof by use of a rivet gun. Fasten the track working out from the centre as shown on the diagram. Amount of holes will vary depending on track length.
11 Fit the legs and crosbars to the tracks. Check the angle of the track and fit track wedges if required. If possible aim for a crossbar spacing of 700-800mm (27.5"-31.5").

Adjust the crossbars to have equal overhang. If using Heavy Duty bars fasten the M10 bolts 14-15 Nm (10-11 lb/ft). If using Aero bars refer to the fitting instruction supplied therein. Using the Torque Allen key fasten M6 leg screws 3-4 Nm.

13 Fit end caps to all crosbars. A rubber mallet may be used to gently knock them in.