

## Introducing KammRack - Rhino's fastest ever fitting roof rack, joining the new Kamm Generation.

The new KammRack replaces Rhino's AluminiumRack product, which was already a market leading commercial vehicle roof storage system. While at first glance the new rack looks similar to its predecessor, a large number of changes have gone into taking this product to the next level. Most notably, and as implied by the new name, the rack now benefits from the ultra-aerodynamic Kamm bar profile, as well as being Rhino's quickest ever fitting roof rack, requiring only one person to install.

### SIDE FRAME

#### Dimensions

- Total side frame length	(L1)
- Nose cone height	(H1)
- Side frame height (max.)	(H2)
- Side frame width	(W1)

#### Measurements

2000mm - 2200mm - 2400mm - 2600mm - 2800mm - 3000mm - 3200mm 3600mm - 3800mm - 4000mm - 4200mm - 4400mm - 4800mm
140mm
161mm
64mm

### CROSS BARS

#### Dimensions

- Cross tube length	(W2)
- Cross tube height	
- Cross tube width	
- Leg height - to top of the bar	
- Leg height - to bottom of the bar	

#### Measurements

1200mm - 1400mm - 1600mm - 1700mm
38mm
60mm
109mm
71.5mm

### ROLLER

#### Dimensions

- Length roller	(W3)
- Diameter	

#### Measurements

1175mm-1325mm-1525mm-1605mm
40mm



The KammRack's weight has been reduced, without compromising on product strength.

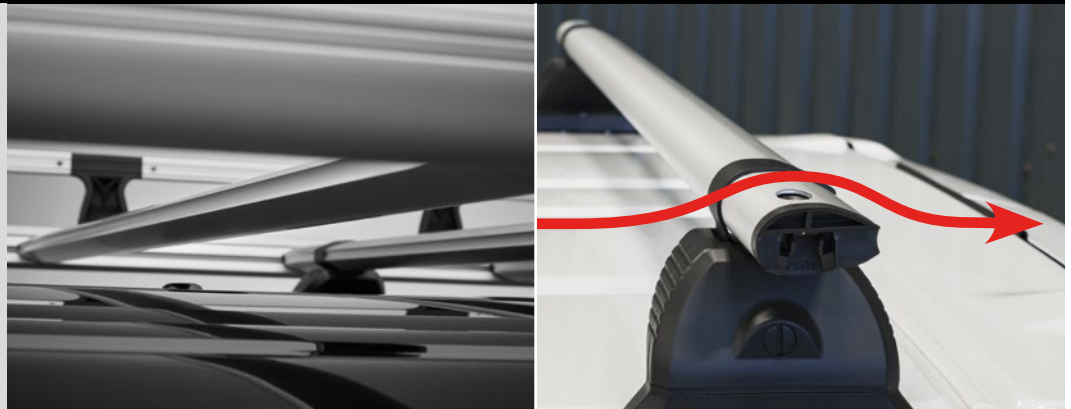
## AERODYNAMIC NOSE CONE

The aerodynamic nose cone provides minimal wind noise and great aesthetics.



## AERODYNAMIC CROSS BARS

Our new cross bars provide minimal wind noise, thanks to Rhino's innovative Kamm bar profile.



## ALUMINIUM REAR ROLLER

The KammRack rear roller is made from anodised aluminium, which is every bit as strong as its steel predecessor but also fits in better aesthetically with the rest of the rack.



## PACKAGING AND SHIPPING

The Rhino KammRack is delivered in just two boxes for most van models, ensuring easy shipping and handling.



## QUICK & EASY FITTING PROCESS

KammRack is Rhino's fastest ever fitting roof rack - requiring only one person to install! Scan the QR code to watch our product fitting video with installation times.



## SINGLE PERSON INSTALLATION

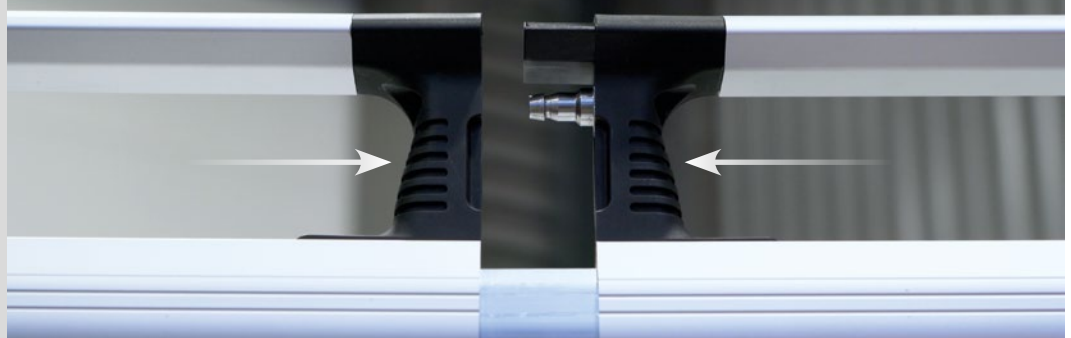
Thanks to the KammRack's quick and easy installation, with 'click together' side frames and pre-assembled KammBar legs, the rack requires one person to fit.

Installation for one person takes only 25 minutes and 14 minutes for two people.



## 'CLICK' TOGETHER SIDE FRAMES

Side frames are delivered in two halves for easy shipping, in a single one-man-lift box – the frames are then joined together in seconds during the fitting process.



## 'CLICK' SIDE FRAME JOINING METHOD


Our innovative method of joining the side frames to the cross tubes takes just a few seconds and a few turns of an allen key to secure.



## EASY FIT 'CLICK' TOGETHER REAR ROLLER

The new rear roller clicks into place easily, thanks to two track nuts located in the side frames.



MATERIAL	WHERE USED	ADVANTAGES
<b>Aluminium 6063A T6</b>		
<ul style="list-style-type: none"> <li>- Clear anodised</li> <li>- Architectural alloy</li> <li>- Thickness 2.4mm</li> </ul>	<ul style="list-style-type: none"> <li>- Side rails</li> <li>- Cross tube</li> <li>- Cross tube saddles</li> </ul>	<ul style="list-style-type: none"> <li>- Extremely durable, high tensile and yield strength</li> <li>- Excellent weight to strength ratio</li> <li>- Scratch resistant</li> <li>- Great for intricate extrusions with a good surface finish and high corrosion resistance</li> </ul>
<b>Aluminium 6063 T6</b>		
<ul style="list-style-type: none"> <li>- Clear anodised</li> <li>- Architectural alloy</li> <li>- Thickness 1.5mm</li> </ul>	<ul style="list-style-type: none"> <li>- Rear roller</li> </ul>	<ul style="list-style-type: none"> <li>- Extremely durable, high tensile and yield strength</li> <li>- Excellent weight to strength ratio</li> <li>- Scratch resistant</li> <li>- Great for intricate extrusions with a good surface finish and high corrosion resistance</li> </ul>
<b>Composites</b>		
<ul style="list-style-type: none"> <li>- Polymer composite</li> <li>- Glass reinforced</li> <li>- Econyl GF30%</li> </ul>	<ul style="list-style-type: none"> <li>- Side frame connectors</li> <li>- Side frame supports</li> <li>- Cross bar endcaps</li> <li>- Roller endcaps</li> <li>- Roller supports</li> </ul>	<ul style="list-style-type: none"> <li>- Low weight, high strength ratio</li> <li>- High temperature variance</li> <li>- UV resistant</li> </ul>
<b>Copolymers</b>		
<ul style="list-style-type: none"> <li>- Polypropylene PPCP</li> <li>- Ducor 2600M</li> </ul>	<ul style="list-style-type: none"> <li>- Nose cones</li> <li>- Leg cowls</li> </ul>	<ul style="list-style-type: none"> <li>- Excellent impact strength</li> <li>- Robust, sturdy design</li> <li>- UV resistant</li> </ul>
<b>Electroplated steel</b>		
<ul style="list-style-type: none"> <li>- Trivalent zinc</li> <li>- Electropainted steel</li> </ul>	<ul style="list-style-type: none"> <li>- Endcap tongues</li> <li>- Track nuts</li> <li>- Fitting material (partly)</li> </ul>	<ul style="list-style-type: none"> <li>- High strength</li> <li>- Wear resistant</li> <li>- Corrosion protected</li> </ul>
<b>Powder coated steel</b>		
<ul style="list-style-type: none"> <li>- Mild steel</li> <li>- Powder coated black</li> <li>- Textured</li> </ul>	<ul style="list-style-type: none"> <li>- Legs</li> </ul>	<ul style="list-style-type: none"> <li>- High strength</li> <li>- Corrosion protected</li> </ul>
<b>Fixings</b>		
<ul style="list-style-type: none"> <li>- Multigrip pop rivets (main connection method)</li> <li>- Bolts &amp; (self locking) nuts size M8, combination of stainless and galvanized steel</li> </ul>		
<b>Tools required for installation </b>		
<ul style="list-style-type: none"> <li>- 2x allen keys (included)</li> </ul>	<ul style="list-style-type: none"> <li>2x 10mm/13mm spanners (depending on model)</li> </ul>	<ul style="list-style-type: none"> <li>- 1x ladder</li> </ul>

## BEACON BRACKET

This bracket is a beacon support that securely holds single & triple bolt fixing beacons in place, increasing the KammRack's functionality. Sold Separately. Part No. FK226



## NEW LOAD STOPS

We are also pleased to offer new aerodynamic load stops that are compatible with the KammRack, KammBar Pro and KammBar Fleet. These stylish, modern load stops are available in 1, 2 or 3 pairs. Part No. RLS1 / RLS2 / RLS3

