## KammBar Fleet Technical Datasheet





# KammBar Fleet – The most durable and aerodynamic steel roof bar system on the market.

Welcome to the Kamm Generation – the best in commercial vehicle roof storage accessories. KammBar Fleet is the leading steel roof bar system on the market, featuring our most aerodynamic bar profile ever.

The successor to Rhino's incredibly popular Delta Bar system, KammBar Fleet offers the best in durability, great aesthetics, and quick and easy installation. The KammBar system is also available in aluminium and supplied with two load stop as standard, see our KammBar Pro range to learn more.



#KammGeneration

DIMENSIONS					
<ul><li>Length</li><li>Leg width</li><li>Cross tube width</li><li>Leg height - to top of the bar</li><li>Leg height - to bottom of the bar</li></ul>	(L1) (W1) (W2) (H1) (H2)	1240mm - 1420mm - 1600mm - 1700mm 133mm 60mm 109mm 71.5mm			

WEIGHT			
Bar length	Bar	Combined weight of two legs	Total weight
- 1240mm	1.80 kg	0.76 kg	2.56 kg
- 1420mm	2.06 kg	0.76 kg	2.82 kg
- 1600mm	2.32 kg	0.76 kg	3.08 kg
- 1700mm	2.47 kg	0.76 kg	3.23 kg



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The robust high-tensile steel benefits from an inorganic topcoat zinc seal, which protects against the elements even in the harshest of weather conditions - providing 250 hours of salt spray protection (more than double that of the Delta Bar).



For premium performance and corrosion resistance, see our KammBar Pro (shown above) range, also supplied with two load stops as standard (not included in KammBar Fleet).



The unique shape of the bar profile is inspired by the work of Professor Wunibald Kamm - a pioneering aerodynamicist who established that a teardrop shape such as this is ideal for reducing drag.



The KammBar Fleet's aerodynamic shape almost entirely eliminates wind noise.



Available in two, three and four bar configurations, the KammBar Fleet comes complete with a fitting kit that includes bespoke pads and spacers, tailored to the mounting points of every vehicle.



Supplied with the saddles loosely fastened into place within the legs, allowing for quick and easy fitment.



The strong steel legs are covered by aesthetic composite covers to add to the modern, premium look of the product.



KammBar Fleet has been rigorously tested by our inhouse team of design engineers to ensure it is strong and robust enough to withstand the challenges of day-to-day usage.

#### **BEACON BRACKET**



This bracket is a beacon support that securely holds single & triple bolt fixing beacons in place, increasing the functionality of the system. Sold separately.

### LOCK UPGRADE KITS



Lock kits can be purchased separately to provide additional theft deterrence and security.



All KammBar Fleet systems are supplied in a single package. This ensures quick and efficient shipping, minimising any risk of delays as opposed to sending multiple packages.

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MATERIAL	WHERE USED	ADVANTAGES
Alloy Steel		
- E320+CR2 S2	- Cross tubes	- High tensile, yield strength
Composite		
- LDPE - Polypropylene (PPCP)	- Crosstube end cap	
Mild steel		
- HR4, powder coat textured black	- Bar leg - Bar saddle	<ul><li>High strength</li><li>Corrosion resistent</li></ul>
Fixings		

- Size M8 8.8 grade steel bolts, A2 stainless steel M8 nuts

#### Tools required for installation 🎤

- 10mm spanner, 13mm spanner, allen key (included)

### KammRoller<sup>™</sup>

To complement the KammBar range, we have also redesigned our rear roller system. The new KammRoller, compatible with both Fleet and Pro bars, is now more durable and easier-to-fit than ever before. KammRoller is lighter than its predecessor, with a reduction of up to 30% in weight.

Our design team have managed to reduce the product's weight without compromising on its strength. In fact, thanks to replacing the plastic roller inserts with steel versions, this roller is much more reliable than the old product. Its new aluminium construction fits in seamlessly with both KammBar Pro and KammBar Fleet, as well as with modern commercial vehicles.





Fitting time

#### **FEATURES**

- Roller now made from aluminium and considerably lighter
- New support pad fitting, enabling quicker and easier installation
- New steel roller inserts for a more durable design
- 50kg rated
- Rhino branded end caps
- Bespoke fitment for every vehicle



### **TECHNICAL**

**Roller length (RL)** 656mm – 816mm – 956mm – 1056mm – 1114mm **Total length (TL)** 804mm – 964mm – 1104mm – 1204mm – 1262mm **Support arm length (SL)** 225mm – 300mm – 350mm – 430mm – 490mm – 530mm Weight min 1.28kg / max 2.23kg

