


## RACELITE ROAD BARS

Congratulations on the purchase of your new Syntace Racelite handlebar. Please carefully read all instructions as we have included some important information and helpful tips.

Please be advised that all safety components on a bicycle have a "Elephantine memory", they remember all damage that has been caused (crashes and overloads), even if they occurred a long time ago. They all add up throughout use and reduce the lifespan of the component. This is why at Syntace, we work with a high overload safety factor in the design of the components.

A regular replacement (such as every 2 years) of bars and headstem is not required according to our current technological understanding. However, we strongly recommend checking both bars and stem after each crash or harsh landing for hairline cracks, dents or grooves or to see if either are bent. Immediately replace the component at the slightest sight of damage!

### Preparation

Please ensure exclusive use of 4 bolt handle bars in 4 bolt type stems! Otherwise the handlebar may fail prematurely. 4 bolt compatible handlebars are labeled with the following symbol: 

Note: all 4 bolt Syntace handlebars are also compatible with conventional stems. Sharp-edged welded steel or titanium stems act like knife blades for the handlebar. Therefore we strongly recommend carefully deburring and rounding-off all sharp clamping edges with a file and fine sandpaper. Please confirm in advance with the respective manufacturer whether this action would void the given warranty. Please check that the stem to be used has a clamping diameter of 26.0 respectively 31.8 mm  $\pm 0,15$ , otherwise change for a stem of correct dimensions.

### Installation

Note: The Syntace Racelite 2014 and 7075 are delivered with pre-assembled VRO-Centres-rings. When assembling either of these bars with a stem other than the VRO-Stem, please remove centre rings prior to assembly.

- First slide the brake and shifter units onto the handlebar (...because if the handlebar is installed, the short cables may prevent this process).
- Syntace Racelite Carbon handlebars are not to be used without brake levers. Otherwise you may risk premature failure, because the levers have a stabilizing function.
- Move the Syntace handlebar into the desired position. Ensure that the handlebar is centred.
- Now press the handlebar into the „Snap-Fit“ clamp of the Syntace stem. Position the handlebar ends horizontally or with a slight forward upward angle. Now alternately tighten the headstem clamping bolts in small steps according to the recommendation of the stem manufacturer, but with a maximum value of 8 Nm.
- With several headstem designs high torque or repetitive retensioning of the clamping bolts can lead to deformation of the headstem's handlebar seat and the handlebar. Such handlebars no longer maintain their full strength and must (even better together with the stem) be replaced!

Pro tip: apply some bond 48 (or similar securing product, such as Loctite 648) to the clamping surface (especially effective for clamping of aero bars). For all carbon bars we recommend thinly applying a suitable carbon friction paste (such as the Syntace Dynamics friction paste). This assures the bar and stem are additionally secured from becoming loose, without having the screws over tightened through too much tension.

- Now align the brake and shift unit and tighten the clamps, and tighten with a maximum of the indicated torque.

### Attention carbon bars:

Mount the brake and shift unit only in the bend section indicated suitable for clamping by the rough friction particles, with a maximum of 7Nm. Should the brake manufacturer recommend a higher torque, this would generally refer to aluminium handlebars. If required apply a small amount of carbon assembly paste (such as Syntace Dynamic Friction paste).

Note: when assembling Aero bars the clamps must be mounted as close to the stem as possible. The Aero bars must not be mounted outside the Ti-mesh reinforced area.

- Now wrap the handlebar with bartape.

Recommendation: Syntace Cork Tape combines a high quality tearproof material with the legendary elliptical cross section. This allows a more aesthetically pleasing and even wrapping than conventional tapes.



**Pic 1: VRO Center Ring Removal:**  
If these handlebars are to be used in a conventional stem, the two plastic centering rings in the center of the handlebar must be removed. To remove these easily, simply wrap a rag around the rings and press the end of the handlebar firmly against the ground. You may wish to place a piece of cardboard or some other softer material between the end of the bar and the ground to avoid the possibility of damaging the end of the handlebar.

### The Syntace evolutions-principle

Continuous development, running change improvements and immediate exceptionally thorough testing. Approved improvements always flow directly into the next production run without any marketing delays. This may lead to the technical specs changing. This is why these are not printed on this piece of paper, but can be found on [www.syntace.de](http://www.syntace.de) or [www.syntace.com](http://www.syntace.com) on the relevant product page. Due to the large quantity of components available on the market, it is not possible for us to test all possible combinations. Therefore one must pay attention that the guidelines of the respective manufacturers are adhered to. Get in contact to the Syntace Team for compatibility checking - especially in the use of aero bars.

### Care, maintenance and safety

Proper maintenance and care will ensure a long life and reliable function of your Syntace products. Please follow these simple steps to maintain your system:

- Retighten all headstem bolts after approx. 1 hour of riding according to manufacturers recommendations.
- These Syntace stems and bars are exclusively designed for mountain bikes and road bikes.
- Regularly check all components and ensure they are still fastened securely
- Please do not repair any damaged components but replace them.

### Caution aluminium bars:

Using porous (penetrable) bar tape, can lead to permanent accumulation of especially sweat or gritty moisture, between grip and bar. As sweat (but also acidic cleaning chemicals) attacks anodized surfaces, the bar is to be checked regularly and changed upon any signs of corrosion, otherwise the bar will be increasingly prone to failure upon further use.

Note: Syntace Racelite Road bars made of 7075 alloy are not approved for assembly with bar end shifters that have an internal clamping mechanism.

## Warranty

Instead of the legally required 2 year warranty, Syntace gives 10 years warranty from date of purchase on all material and manufacturing defects.

Only condition: All components are to be installed and used as outlined in the owner's manual.

Within the warranty period faulty components will be assessed by Syntace Germany and accordingly either repaired or replaced.

The exchange of a Liteville frame within the warranty period occurs free of charge within the first 5 years warranty, in the 5 -10th year a 50% discount on the respective current retail price is offered. For the Liteville 901 frame we give 3+7 years warranty, downhill use included.

If you would like to report a warranty case please send the component with a written explanation to:

**Syntace GmbH, Dammweg 1, 83342 Tacherting / Germany**  
**Tel. +49 8634-66 666, Fax: 6365, Email: syntace@syntace.de**

In addition, we will make a special goodwill-offer to every Syntace or Liteville owner for misuse or damage - even if you are at fault - due to accident influences ("Bike on roof rack against garage wall"), even after years of use. With Syntace and Liteville products you are in good hands, even after you have made the purchase!

Your Syntace Team,



Jo Klieber

## Syntace bar and stem compatibility

### Road

	Stratos 26.0	Stratos CX 31.8	Racelite 2014	Racelite 7075	Racelite 31.8 2014	Racelite 31.8 7075	Racelite CDR 31.8 2014	Racelite CDR 31.8 7075	Racelite2 Carbon 31.8	Racelite CDR 31.8 Carbon	Aerolenker SLS	Aerolenker C2 Clip	Aerolenker C3	Aerolenker Streamliner	Aerolenker XXS
VRO T Stem mit Peanut-Kl.	○	-	●	●	-	-	-	-	-	-	-	-	-	-	-
Force 99 Road (26.0/1 <sup>1/8</sup> )	●	-	○	●	-	-	-	-	-	-	-	-	-	-	-
Force 139 Road (26.0/1 <sup>1/8</sup> )	●	-	●	●	-	-	-	-	-	-	●	●	○	●	●
Force 109 (31.8/1 <sup>1/8</sup> )	-	●	-	-	○	●	○	●	●	●	○	○	●	○	○
Force 119 (31.8/1 <sup>1/4</sup> +1 <sup>1/8</sup> Hülse)	-	●	-	-	○	●	○	●	●	●	○	○	●	○	○
Force 149 (31.8/1 <sup>1/8</sup> )	-	○	-	-	●	○	●	○	○	○	○	○	●	○	○
Superforce 31.8 (31.8/1 <sup>1/8</sup> )	-	○	-	-	○	○	○	○	○	○	○	○	○	○	○

Syntace recommendation 
  technically possible 
  not possible