

## MTB-BARS ALUMINIUM

We congratulate you to your Syntace bar. You made a good choice!  
Your Syntace bar has been designed and manufactured with utmost care. It is necessary, though, to follow the instructions and to care for it accordingly.


**Keep in mind**, that all parts relevant for the safety of your bike have an "elephantine" memory: any damage (through crashes or overload), even if long ago, will add up over the lifetime of the product. At Syntace we added a large portion of "overload protection," but even our parts are not indestructible.

A regular exchange (every 2 year, for example) is, according to our current knowledge, not necessary. But after a crash you should check especially stem and handle bar for small fractures, grooves and dents. Check if stem or bar are bent. Replace those parts at the slightest sign of damage! Never try to straighten or "patch" damaged parts, replace them! If you don't, parts can fail and a crash with severe injuries may be the result.

### Intended and proper use

The Syntace MTB bar has been designed for use with mountain bikes.

**Attention:** if you utilize 4-screw stems, only use bars designed for them! (Acute danger of bar failure!)

All Syntace bars suitable for 4-screw stems are marked with this symbol  !

All Syntace bars designed for a 4-screw stem can be used with conventional stems as well (to our current knowledge, there are no bars made by other manufacturers that can withstand the stress from 4-screw clamps for a long time).

### Mounting compatibility

You can use the Syntace aluminium bar in all conventional stems.

The diameter of the clamping area must be 25.4mm +/- 0.15 for mountain bike use.

#### Exceptions:

- The VRO Bar 7075 and VRO Vector Lowrider 7075 are designed for exclusively for the Syntace VRO system.

### Removal of bars

First, remove the existing bar from your bike the following way:

- Remove any bar ends, end plugs and grips.
- Remove bike computers and any other accessories attached to the bar.
- Loosen screws of shifter pods and brake levers.
- Loosen clamping screws on stem.

### Installation of bars

#### In conventional stems

(only Duraflite 2014/7075, Vector Downhill 7075 and Vector Lowrider 7075):

- First mount the shifter pods and brake levers onto the bar.

**Tip:** In case you use a stem with a closed clamp, first insert the bar into the clamp and then mount shifter pods and brake levers.

- Now bring the bar into the desired position and align it. Make sure the bar is centered (look for the markings).
- Now press the bar into "snap seat" (a feature of Syntace stems) and tighten screws alternately to required torque values.

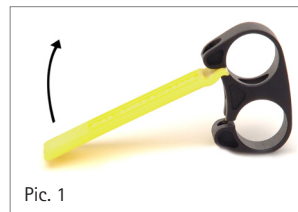
**Tip:** To increase safety and life span, all Syntace stems feature a more than 180° "snap seat".

**Attention:** With some stem designs it is possible that the eye of the stem and the bar get deformed from high torque or repeated tightening. Bars "strangled" like this do not last their full life span and have to be exchanged, preferably with the stem!

**Pro tip:** Add for carbon bars a little Syntace adhesion paste onto the clamping surfaces. This way bar and stem are protected a little more against twisting and torque does not have to be increased beyond maximum values!

#### In the VRO-System (only VRO Bar 7075 and VRO Vector Lowrider 7075):

- Slide the connector clamps (X-Ray, ECO, Peanut) onto bar. Not all the way to the center rings, though, only far enough so that the clamps can still move freely on the smaller diameter of the bar.
- Again widen the connector clamps (X-Ray, ECO, Peanut) with a plastic tire lever by about 1-2 mm (Pic. 1) and now slide them onto stem and bar all the way to the center rings.
- Slide shifter pods and brake levers onto bar.
- Remove tire levers and insert greased (threads and head contact area) clamping screws.
- Before you tighten the clamping screws



of the connector clamps, adjust bar to desired position.

- Tighten the bolts of the connection clamps with a maximum torque as specified on the clamps.

#### Installation of bars (continuation):

- Now align shifter pods and brake levers and tighten with the required torque.

**Tip:** Old motocross trick: only tighten brake levers enough so that they can still get twisted in case of a crash. You will save a lot of time and money from bent or broken levers.

- Now install grips, computers or other accessories onto bar.

**Tip:** Problems mounting/removing grips? The Syntace Screw-on Gripz slide easily onto the bar. Tighten slightly (3Nm) with a 5mm Allen wrench – done!



**Attention:** if you use bar ends, now is the time to install them, but never without Syntace Bar Plugs (optional, model 09, see Pic. 2). Please do not install bar ends with a closed clamp (like Tune, Roox). There is a much higher danger for the bar to break on case of a crash even if using Bar Plugs.

#### Suitable Bar Plugs:

VRO Bar 7075	.....	Bar Plugs #0.8
VRO Vector Lowrider 7075	.....	Bar Plugs #0.9
Duraflite 7075	.....	Bar Plugs #0.8
Duraflite 2014	.....	Bar Plugs #1.0
Duraflite 31.8 7075	.....	Bar Plugs #0.8
Duraflite 31.8 2014	.....	Bar Plugs #1.0
Vector Downhill 7075	.....	Bar Plugs #0.9
Vector Lowrider 7075	.....	Bar Plugs #0.9
Vector 31.8 2014	.....	Bar Plugs #1.0
Vector 31.8 7075	.....	Bar Plugs #1.0
Vector Downhill 31.8 7075	.....	Bar Plugs #1.0
Vector Flatrider 31.8 7075	.....	Bar Plugs #0.9

## Bar width

Only shorten your handle bar after you have taken the "wide" bar out for a spin. With a wider bar you will have more control and better handling, especially in difficult terrain. Should you still want a narrower bar, don't cut it right away. Mount all control levers and the grips further inside and go for another ride with the bar still uncut to test if everything feels right before you cut. You would not be the first to use a wider bar after all.

## Cutting of aluminum bars:

For best results use a pipe cutter! You can use a metal saw as well but in either case do not forget to deburr the edges.

**Attention:** Syntace Alu Bars can only be cut down to the required minimum width (or acute danger of bar failure will arise)!

## Minimum length:

VRO Bar 7075.....	540 mm	VRO Vector Lowrider 7075.....	580 mm
Duraflite 7075.....	450 mm	Duraflite 2014.....	450 mm
Duraflite 31.8 7075.....	590 mm	Duraflite 31.8 2014.....	590 mm
Vector Downhill 7075.....	580 mm	Vector Lowrider 7075.....	580 mm
Vector 31.8 7075.....	640 mm	Vector 31.8 2014.....	600 mm
Vector 31.8 7075.....	640 mm	Vector 31.8 2014.....	600 mm
Vector Flatrider 31.8 7075.....	700 mm		

## 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:

- Check the inside of your Syntace stem regularly for moisture and remove if found.
- Check screws for proper torque regularly.
- Check bar regularly for signs of fatigue (discoloration, cracks and dents, for example). In pure and professional trials applications, we recommend replacing the handle bar every 1 – 1.5 years.
- Warning: Upon longer exposure, brake fluid may attack epoxies and resins as well as other coatings used in carbon components (Brake fluid is highly deliquescent). Therefore, if brought into contact with any carbon component such as handle bars please ensure that the affected area is thoroughly cleaned with water to avoid any damage.
- Warning: Using porous (penetrable) bar tape, can lead to permanent accumulation of especially sweat or gritty moisture, between grip and your aluminium 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.
- Should the Syntace bar be bent because of a crash: Never attempt to straighten it! Contact your dealer or Syntace to arrange for replacement.

## 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 101 4x 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