

# **Syntace**

## **P6 SEATPOST CARBON & ALU**

D\\ Anleitung. 20190923

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### **CONGRATULATIONS ON THE PURCHASE OF YOUR NEW SYNTACE**

**P6 SEATPOST.** Please carefully read all instructions as we have included some important information and helpful tips. Your Syntace seatpost has been carefully designed and constructed. However, it is necessary that you follow all the instructions provided in this manual.

Please retain this manual and provide it to the new owner should your seatpost ever find a new owner.

Please note that the responsibility of checking the product regularly to determine if it needs repair or replacement, lies with the end consumer. Please be aware that all the components of your bicycle related to your safety have a "memory like an elephant," they remember any damage (crashes, overloading, etc.) which can add up to a shorter lifespan of the component. We at Syntace have built in a proper amount of "Overload Safety" into all our components.

A regular replacement schedule (ie: Every two years), of Syntace seatposts is, at this writing, not necessary. However, after any crash or impact, especially to your stem or handlebars, check for signs of fatigue (ie, discoloration, cracks, dents.), and to determine if the stem or handlebars have bent. At the slightest sign of damage replace your components!

Damaged components should under no circumstance be straightened or repaired, but immediately replaced. Otherwise the component may fail and a crash with serious injury could result.

### **Proper Use of Components**

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The Syntace P6 seatposts are for use with mountain bikes and road bikes. Syntace P6 seatposts can be used for on-road and off-road use up to a rider weight of 130kg.

### **Installation & Compatibility**

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- Makes sure that the seatpost has the correct diameter for your frame.
- If necessary, ask your dealer, if the diameter of the seatpost is correct for your bike frame. The internal diameter of the seat tube should be at least 0.1mm and at most 0.3mm larger than the seatpost diameter.
- Please do not use a reduction shim shorter in length than the minimum insert length of the P6 seatpost. If the frame requires a greater minimum insert, use this as the valid length.

### **Preparation**

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- Before installation, read your bike's manual.
- Check the seat tube for sharp edges and burrs - not only at the upper edge but also along the clamping slot.
- Deburr all sharp edges, especially at the upper edge of the seat tube, with a file and fine sanding paper.

Note: Sharp edges, especially at the end of the seat tube, can cause damage leading to breakage of the seatpost.

- Check (as described in Installation & Compatibility) the diameter of the seat tube. An ill fit of seatpost and seat tube can lead to damage and/or breakage of the seatpost.
- Remove all chips and other residue with a cloth and compressed air. Turn your bike upside down if needed.

### **Installation of seatpost**

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#### **TIP: FOR CARBON-FIBER SEATPOSTS**

- Do not use grease for installation. Remove grease from seat tube if necessary. Special friction pastes abrade the finish after a while.
- Spray a little silicon spray into seat tube. Be assure that it does not reach your brake rotors (watch the wind direction!).
- Carefully insert seatpost into seat tube with height markers pointing forward. If too much force is needed, the seat tube may require reaming.

## TIP: FOR ALUMINUM SEATPOSTS

- Apply a little mounting paste onto seatpost. You can prevent sticking that way.



Pic. 1

Important: The seat post has to be inserted at least to the marking „minimum insert“.

Caution: In many frames the seatpost has to be inserted even further, usually at least to the lower edge of the top tube. If the seatpost is not being inserted far enough, the frame and/or the seatpost can be damaged.

**CAUTION FOR CARBON SEATPOSTS:** Please ensure the seatpost clamping mechanism (frame and seat postclamp) are suitable for carbon seatposts. Not permitted are for example clamping mechanisms that apply an asymmetrical clamping force causing the post to be highly stressed at one point. The Syntace P6 seatpost can also NOT be used with seat clamps touching the seatpost. If this happens, the seatpost could be damaged and could possibly break! In case you have a clamp touching the post, exchange for a different model such as the Syntace SuperLock. If you are not certain please contact the respective manufacturer.

- Tighten the clamp just enough so you cannot turn the seat anymore.

## Shortening seatpost

If you do not use the entire length of your seatpost, it can be shortened to save some unnecessary weight. Please only shorten the post when you have determined your maximum seat post height.

- First measure the min. insert length of the post as well as the distance from the top of your seat tube to bottom of the top tube of your frame. The larger of the two values will be your min. insert length for the seatpost in the respective frame. The additional length of the seatpost which remains in the seat tube when the post is at your own personal (maximum) height, can be sawed off.
- To saw-off, carefully place the post in a vice with V-clamps. If possible, clamp the end which will be removed anyway.
- Please use a fine metal saw blade to cut the carbon post and use a fine sand paper to deburr. You can protect the cutting surface from fraying by applying a clear coat or superglue.

**ATTENTION:** Fine carbon particles are a health hazard. Please do not breath in or vacuum up with a vacuum cleaner. It is best to clean up with a wet paper towel. The metal saw blade will no longer be good for cutting metal but can be used if you need to cut carbon again in the future.

## Installation of seat



Pic. 2

The clamp for the seat is suited for standard 7 mm rails, as well as for Carbon rails with an oval cross section with height of up to 11mm (Pic. 2).

- Loosen both clamping screws until the threads disappear in the nuts. It is not necessary to completely unscrew the clamping screws.

**TIP:** First adjust the tilt and then the horizontal position of the seat.



Pic. 3

- Tighten the clamping screws alternating and in steps up to a torque value of 6 to max. 8 Nm (Pic. 3)
- Try to move seat vigorously and retighten.
- After 1-2 hours of use, retighten to prescribed torque. Regularly check for tightness.

## 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 seatpost regularly for moisture and remove if found.
- To prevent dirt from entering the seat tube, we recommend using a seatpost clamp with a wiper seal (such as the Syntace SuperLock) and/or an additional wiper device (such as the Syntace Little Joe).
- Check screws for proper torque regularly.
- Check the seatpost regularly for signs of fatigue (discoloration, cracks and dents, for example).
- 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 please ensure that the affected area is thoroughly cleaned with water to avoid any damage.
- Should the Syntace aluminum seatpost be bent due to a crash: Never attempt to straighten it! Contact your dealer or Syntace to arrange for replacement.
- Attention: please take note of the seatpost's wear limit. When frequently adjusting the height of your seatpost in muddy or dusty conditions, material wear actually takes place on the surface of both the seat tube and seatpost. The wear on carbon seatposts is much higher than on alloy seatposts due to the coated resin matrix/fibers used. To keep this wear to a minimum, we recommended removing the seatpost from the frame after every ride in wet/muddy conditions and then to clean it. The inside of the seat tube should also be cleaned with a rag. Check the diameter of the seatpost from time to time. At no position along the post, the diameter is allowed to become less than 0.2 mm than the nominal specified diameter of the seatpost! If this is the case, the seatpost requires replacing to prevent the frame from being crushed resulting in possible deformation or cracking in the clamping area.

## Can oval shaped seat rails be used with the Syntace P6?

Yes, oval shaped seat rails up to a height of 11mm can be used.

Please check, that at maximum angle adjustment, there are still 6 threads (6 mm deep) inside the bolt anchors.

If this is not possible for one of the two clamping bolts, you will need to order following instead of the original M6x30 P6 TitanScrew: M6x35 (Part number: 103627) and Syntace half bolt anchor (Part number: 112155).

## 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  
Stefan-Flötzl-Str. 6  
83342 Tacherting / Germany  
Tel. +49 (0)8634-66 666  
Fax: +49 (0)8634-6365  
Email: [syntace@syntace.de](mailto:syntace@syntace.de)

Further Information at:

[www.syntace.de/support](http://www.syntace.de/support)

Please note: The latest installation and operating instructions are always binding for your product at: [www.syntace.de/support](http://www.syntace.de/support)

