INSTRUCTION SHEET PEEK-CARBON SCREWS

Screws are to be tightened with a torx 20 tool (some also with 7 mm hexagonal head).

- **The following torque figures must not be exceeded!**

M4: 0,8 Nm **M5: 1,6 Nm** **M6: 4 Nm**

Screws may be used anywhere where aluminium screws or bolts are sufficiently strong:

- They are particularly recommended for bottle cages, brake pads (if required use a washer), rear cantilever bosses (if required use a washer), front derailleur (if required use a washer), rear derailleur pulley wheels, MTB brake levers, ahead caps, stem to fork clamping and similar.

Further sample applications with pictures can be found at www.schmolke-carbon.de under Products, Carbon Screws.

DO NOT USE the carbon screws for for the following applications:

- Stem and handlebar clamping or saddle or seatpost clamping!
- Disc brakes
- Clamping of brake cables as the bottom of the head is likely to suffer from wear after repeated use.

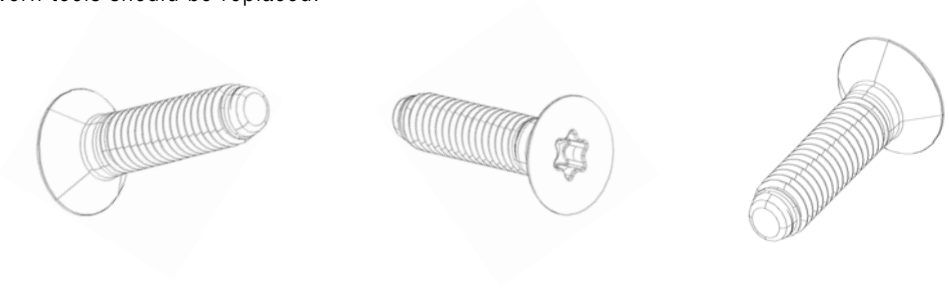
If you use carbon screws for the clamping of the derailleur cables keep in mind to check the screw heads periodically.

Once again as a rule of thumb: **Carbon Screws can be used in all cases where aluminium screws may also be used! If screws of materials like steel or titanium are needed DO NOT use carbon screws.**

Our screws do not need to be tightened up as much as metal screws due to different reasons:
They expand more when tightened, and hence they are less likely to become loose. Additionally since they also suffer less from friction in the threads they do not need to be tightened with as much torque as a metal screw to achieve the same internal tension. You can increase the internal tension without raising the torque by adding grease to the thread and the bottom of the screw's head.

How to shorten carbon screws:

1. Screw two nuts onto the screw, tighten them against each other.
2. Clamp the screw in a vice. Use the two nuts' flanks to do so. Never clamp carbon surface in a vice.
3. Use either a carbon saw blade for carbon, or a new blade for steel. Do not use force, but simply take your time and saw. Leave the screw about one millimetre long than required in the end.
4. File the screw back parallel to the screw's head. Use a type 3 file to do so.
5. Remove the first nut. Does it follow the thread easily? If so, remove the second one too. If not file the edges of the cut again.
6. The screw is now shortened and may be fitted. Make sure to tighten the screw to the correct torque setting. Use correct tool sizes. Worn tools should be replaced.



WARRANTY PEEK-CARBON BOLTS

Our screws are manufactured using extremely durable IM carbon fibres with a thermoplastic PEEK Matrix. These screws are machine-build under high pressure, a process which ensures constant high quality. Ever since our first carbon fibre road bar came out in 1992 our products have been the benchmark for both weight and reliability.
Our products have been tested and have received praise time and again. On top of that athletes have trusted us for their most important races. Olympic MTB Gold medallists Sabine Spitz and Christoph Sauser use these Carbon screws.
Compared to other screws ours are way superior in terms of possible fatigue damage. Because of that we grant a full warranty against failure due to faulty material fort he first three years after purchase.

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