

FAQs SC32*touring*

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1. **Why does the SC32 have an integrated rack mount? What is the advantage?**

The integrated rack of the STS system (Suspension Touring System) consisting of fork, panniers and integrated rack, delivers a superior performance in terms of stiffness and performance for touring. Main benefits are:

- Almost all mass is suspended (only the front wheel is unsuspended). This means that when your bike rolls over a bump, only the front wheel needs to be lifted, transferring less stress into frame and fork. Similar technology is used in the motorcycle and automotive industry for many decades.
- „No-play“ connection between fork and panniers. No rattling and noise allows you a much more comfortable ride.
- No interfering parts, no nuts, no bolts – nothing loosens.
- Low center of gravity improves the steering precision and handling of your bike when ridden with luggage, while the comfort of a suspension is still available.
- Weight savings, as you are not forced to ride around with a rack when you don't need it.
- Clean look when the bag is detached.

2. **Do I need a separate rack?**

No, the rack is part of the STS system (Suspension Touring System).

3. **Which panniers can I use?**

You can use the waterproof Arkel Dolphin32TT. These panniers have been co-developed with Arkel specifically for this application.

4. What is the maximum load capacity of the panniers?

There is a weight limit of maximum 6 kg (13.2 lbs) per bag.

The total load capacity is 2 x 6kg (13.2 lbs) = 12kg (26.4 lbs).

The maximum load for rider, fork and luggage must not exceed 132kg (290.4 lbs).

Please also check with your frame maker on the maximum load allowance for your ibike frame.

5. Are the panniers waterproof?

Yes.

6. How much travel has the SC32touring?

Version LT= Long Travel for full-suspension frames:

100 mm

Version ST= Short Travel for rigid hardtail frames:

80 mm

7. What is the crown height of the SC32touring?

Version LT ~465 mm

(during operation with sag; ~490mm at no sag)

Version ST ~440 mm

(during operation with sag; ~465mm at no sag)

8. What is a Soft Lockout?

Soft Lockout allows dropping the height, and therefore stiffening, your fork a little bit for climbs. Turn the lever on top of the right fork leg and your fork will stay compressed but it doesn't lock out your fork, so it continues to provide small bump compliance as you climb. Without load the fork returns into its standard position, but the Soft Lockout will still be active until the lever is turned back to its original position again.

9. Why does the SC32touring work upside-down?

Upside-down fork technology is widely used in the motorcycle industry. The main advantages are:

- Low unsuspended mass, especially with panniers and luggage, resulting in better performance.
- Gravity is keeping the lubricity of your fork at a maximum. Oil is always being forced onto the seals and sliders by gravity, resulting in a smoother fork operation.

10. Why is the hub axle bigger than others? Which hubs can I use?

For increased stiffness and weight savings of the fork/hub combo and to compensate a missing fork arch due to the upside down design, the hub uses a 24mm thru-axle. The stiffness benefit also allows the use of panniers. 24mm hubs are available from Maverick/tout terrain, ChrisKing, Bontrager/Trek, IndustryNine and Hope. Schmidt/SON offers a 24mm generator hub dynamo.

11. Which brakes can I use?

The SC32touring can only be used with disc brakes. The maximum rotor diameter is 185 mm. Please note that the use of mechanical disc brakes in combination with the optional fender is not possible, due to space constraints.

12. How long is the steerer shaft? What is the maximum head tube length that the fork can be mounted on?

The uncut shaft length is 255 mm. As far as the maximum head tube length there is no general answer, as this depends on your desired headset, stem and spacer configuration. Please note that the steerer shaft is tapered, varying its inner diameter. This may limit the use of certain aftermarket components such as speedlifter®. Please check with the component maker's requirements and make sure 255mm shaft length is enough to fit your frame.

13. How much air pressure & sag do I need?

Air pressure depends on the individual load (rider and gear) and it is easiest to set the correct air pressure with sag at 20%-25% of the maximum travel. Please also review the user manual for more details and recommendations.

14. Is there a special tuning setup for heavy riders?

We recommend a special tuning setup for riders exceeding 95kg (209 lbs) body weight.

(Please check with us regarding upcharge details.)

15. Is the fork reliable?

The SC32*touring* is based on the Mountain Bike fork SC32 by Maverick. This fork is a proven design over many years and uses simple and easy to use technology that meets the demand for commuting and bike touring. The SC32*touring* has been tested by riders in the real life scenario.

16. What happens if the fork is defect en route?

The design of fork is simple and easy. Even without superior mechanic's skills it is possible to disassemble service and repair the fork with a standard toolset. Nevertheless, in case you have a defect that cannot be repaired on the road the fork as enough emergency run qualities, so that you are able to continue to the next bike shop.

17. What maintenance does the fork need?

Some oil on the stanchions (**which is intended!**) should be wiped off frequently with a cloth, so that there is no dirt that can be pushed underneath the seal inside the fork. Due to the self-greasing capabilities of the upside down design there is no need for lubrication on the stanchions. Please also stick to the maintenance guidelines in the user manual and never use a high pressure cleaner.

18. Is there a mudguard available?

Yes, there is a special mudguard for the SC32*touring* available. However please note that the use of mechanical disc brakes in combination with this optional mudguard is not possible, due to space constraints.

19. What type of lights can I use?

Since fall 2009, the SON28T a special generator hub from Schmidt/SON is available. You can combine this dynamo with any standard bicycle light using the ACD-(Auto Contact Dynamo)-system. We recommend the Supernova E3.

20. How do I mount the ACD-(Auto Contact Dynamo)-system?

The ACD-systems allows you to simply remove your front wheel without disassembling any connector.

One cable is attached to the contact finger using a 4.8x0,5mm cable shoe, while the other uses a 4mm ring eyelet and is attached to the upper fender/security clip M4 bolt of the right fork dropout.

Possibly the contact finger needs to be bended inwards to allow perfect contact between finger and inner contact pole of the Schmidt/SON-dynamo hub.

To avoid short circuits please make sure the contact finger is isolated from the dropout by the black isolator insert.

For perfect cable routing we recommend heat shrink tube and zip ties.