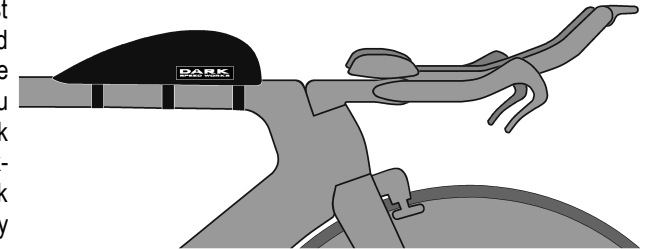




IMPORTANT: PLEASE READ ALL INSTALLATION DIRECTIONS **BEFORE** MOUNTING PACK
If you ride on rough roads and want to quiet your pack's zipper pulls, for info on installing the optional zipper dampeners (inside small ziplock bag), please go to: darkspeedworks.com/zippertips.htm

The Speedpack 483 is an aerodynamic storage pack designed to mount on your bicycle top tube using an advanced low-profile strap system. However, for the Speedpack to mount properly and securely, the pack's strap system **must** be used with the 3 adhesive-backed velcro strips (included--see inside Speedpack compartment). These high-bond adhesive-backed velcro strips must attach to the underside of the top tube at each of the 3 strap locations.

SPEEDPACK POSITION: When installing your Speedpack 483, first test the pack's fit on your bike without making any modifications. Note that the pack's sewn-in velcro straps are sized extra long to fit a wide range of bikes. If the straps are longer than needed on your bike, during fitting temporarily run the excess double-sided velcro straps (straps with low-profile hook backed by soft loop) under the pack and run the excess hook straps (nylon straps with hook on only one side) up the outside of the pack. If the Speedpack fits properly on your bike, decide where on the top tube to mount the pack. We suggest mounting the Speedpack as far forward as practical as shown. If you want to test the Speedpack in your desired location *before* applying the adhesive velcro strips, you can ride with the pack **temporarily** without the stick-on velcro, but leave the pack empty of all cargo during any test rides.

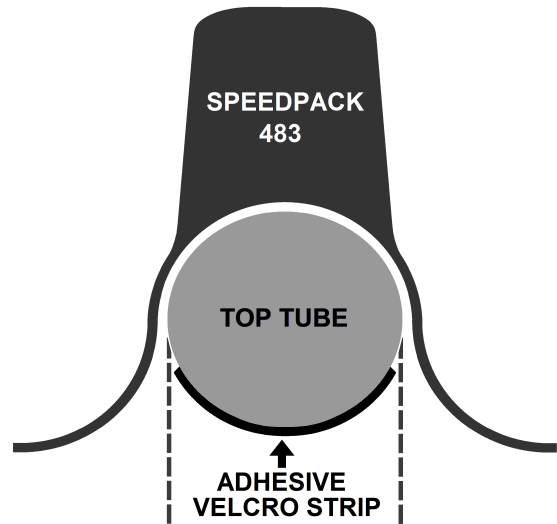


PLACEMENT OF THE ADHESIVE VELCRO: After testing the Speedpack 483's fit in your desired location, *before applying the stick-on velcro strips*, temporarily mount the Speedpack on your bike and wrap the pack's velcro straps around the top tube. Next, temporarily mark the 3 proposed strap locations on your top tube. We suggest doing this with 6 small pieces of removable colored or masking tape placed on the underside of your top tube as shown. Each of the Speedpack's straps are spaced apart 3.5" / 89mm *center-to-center*, so check that your temporary masking tape pieces match this spacing. After cleaning the frame surfaces (please see following sections for cleaning info), apply the 3 adhesive velcro strips between the 2 temporary tape pieces marking each strap location.



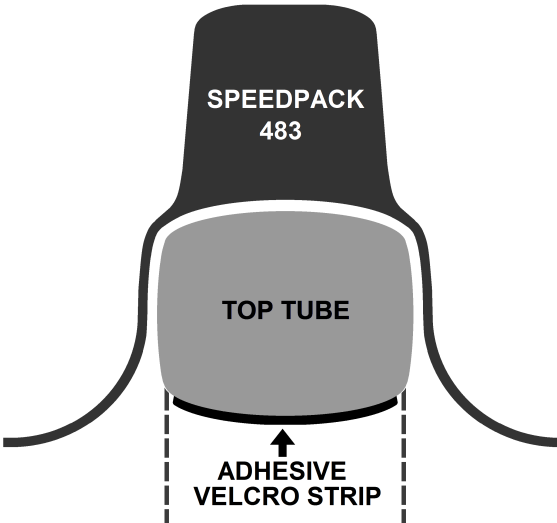
LENGTH OF ADHESIVE VELCRO:

Before applying the stick-on velcro strips, check that the adhesive strips are the correct length for your top tube width. Each adhesive strip should be approximately as long as your top tube is wide. Most of the stick-on strip's length should be affixed to the bottom of the top tube (vs. on the sides of the top tube). Carefully trim the strips with sharp scissors so that their length is approximately within the dashed lines as shown. If your top tube varies in width, you may need to trim each of the 3 adhesive strips to a slightly different length.



PREPARING FRAME SURFACES:

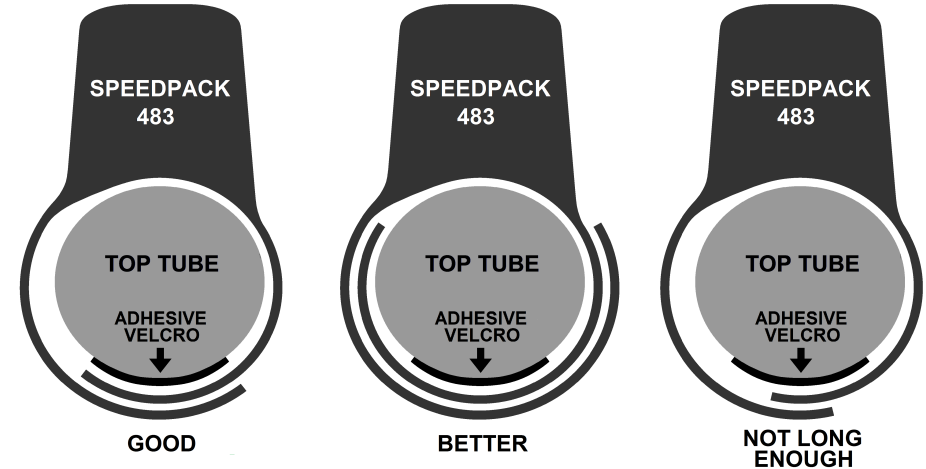
To obtain strong adhesion of the stick-on strips, the bonding surface (the underside of your bike's top tube) **must** be clean, smooth, dry, and completely free of any oil or contamination. The bike and the adhesive strips should also be approximately at room temperature (68°F or 20°C) or greater for at least 1 hour before application. To get a good bond, clean the target frame surface with isopropyl alcohol (rubbing alcohol) and a paper towel or clean cloth and allow the alcohol to dry completely. After carefully cleaning the frame surface, remove the clear liners from the stick-on



velcro strips without touching the glue and **firmly** press each piece into position as shown (use your temporary tape marks for guidance). After applying the stick-on strips, press firmly on each of them with a roller, or roll over them with a hard round but *non-metal* object (like the round end of a sharpie pen, or the round end of a plastic tool or utensil handle). Firmly pressing the stick-on velcro strips will develop better adhesive contact and will increase their final bond strength.

After application, the bond strength of the velcro strips' adhesive rapidly increases with time. At room temperature, handling strength is achieved immediately, 50% of the final bond strength is reached after 30 minutes, 90% strength after 24 hours, and 100% strength after 72 hours. To allow for proper bonding, after applying the adhesive velcro strips, **wait at least 24 hours before riding with the Speedpack mounted and keep the bike at or above room temperature for at least 72 hours (3 days).**

TRIMMING THE STRAPS: After waiting **at least 30 minutes** for the adhesive velcro strips to form an initial bond, mount the Speedpack 483 to your top tube at the location where you applied the stick-on strips. If the pack's sewn-in velcro straps are too long, trim their excess length with sharp scissors. If you're not sure about your strap length, trim less rather than more--you can always cut more later. How long should the straps be? Ideally, the straps should encircle most of your frame top tube, but if your top tube is large, the straps can be shorter. See diagram for suggested strap length:



REMOVING THE ADHESIVE VELCRO: If you later need to remove the adhesive velcro strips from your frame, first place your bike in a room temperature environment. Then, starting at the corners of each velcro strip, peel them off one at a time **very slowly**. The adhesive is strong, so it is important that the removal is done very slowly to prevent damage to your frame's paint or finish. *We cannot guarantee that your frame's paint or finish will not be damaged*, since the quality and adhesion of paint among bike manufacturers varies greatly. However, our testing on a limited number of high-quality carbon composite and aluminum alloy bicycle frames has shown that these strips can be safely removed without paint damage. But we cannot guarantee this result on all brands and types of bicycle frames. Note: once removed, the adhesive velcro strips should not be reused. However, you can purchase replacement and extra stick-on velcro strips from the DSW website (on the Speedpack 483 'buy now' page).

The Speedpack 483 is best used to carry lighter and/or frequently used items such as gels, nutrition bars, a wallet or ID, a small mobile phone, a spare tube, etc. Avoid using the pack to carry heavy items like bulky metal tools, etc. Keep the Speedpack's plastic insert in the pack: it keeps the pack's aero shape and it also protects your frame if hard cargo items bounce inside the pack. Avoid filling the pack with so much cargo that its exterior shape becomes distorted. While the pack materials are strong enough to hold large loads, the pack will lose its streamlined shape when overfilled. The Speedpack's mounting straps are designed to secure only the pack and its cargo; do not use the pack's straps to secure any extra gear to your bike. The Speedpack 483 is designed to mount only on top of a bike top tube. Mounting this pack in other locations on your bike or using the pack's straps to hold extra gear risks damage or loss of the pack and may present a hazard to the rider.

SP 483