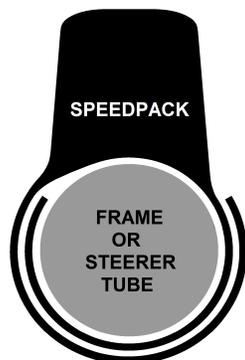




**INSTALLATION:** *If you ride on rough roads and want to quiet your pack's zipper pulls, please go to [darkspeedworks.com/zipper\\_tips.htm](https://darkspeedworks.com/zipper_tips.htm) for info on installing the optional zipper dampeners (inside small ziplock bag).* -- When installing your Speedpack 480, first test the pack's fit on your bike without making any modifications. The pack's velcro straps are sized extra long to fit a wide range of bikes. If the straps are longer than needed on your bike, temporarily run the excess length of the loop straps (the soft straps) under the pack and run the excess hook straps (the rough straps) up the outside of the pack. If the Speedpack fits well on your bike, fill the pack with some typical cargo items and take it out on a few test rides, making adjustments as needed. If the pack mounts securely and it won't be moved from bike to bike, to minimize aero drag, you may want to trim the straps' excess length. To keep the pack secure and to maintain a smooth profile, you can trim the straps if they are longer than the straps pictured in the diagram.



When trimming the straps, cut the bottom straps before trimming the front straps. Mount the Speedpack on your bike and use a pencil to carefully mark each strap on its smooth side where you plan to cut. After marking the straps, take the pack off your bike and use sharp scissors to carefully trim the straps at your marked locations. If you're unsure about any of the cut marks, trim less rather than more--you can always cut more later. Before trimming the front straps, test different front strap positions, above or below your stem, depending on your stem height and spacer stack. Also test different levels of front strap tension: the straps should be snug enough to minimize the gap between the pack and stem, but not tight enough to affect your steering in any way. (For bikes with cables that enter the top tube vertically right behind the stem, you may get a better fit with the Speedpack 483.) Or you can wrap the Speedpack 480's front straps around the cables instead of around the steerer. You can also zip-tie the cables together and then wrap the pack's front straps around the cable bundle. In some cases, you may be able to wrap the front straps around both the cables and the steerer. After testing various front strap positions, repeat the trimming process with the front straps.

This Speedpack 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 480 is designed to mount directly behind the stem on top of the 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 480**