LETTERS FROM ZZIPPER USERS

"My overall performance was markedly improved. I beat a rider I haven't been able to touch for the last two years. . . the screen makes it just a little easier all the time."

Roger Durham, Durham Bicycles

"Was impressed by its practicality and good quality . . . I have only broken 27 minutes twice (before) . . . with the fairing I did 26:18."

Ed "Foxy Grandpa" Delano

"I found it let enough air through that I wasn't uncomfortable, and it handled well. Was very easy to install and remove, and withstood bumpy roads. Felt it was helpful in improving speed."

Fred Delong, Technical Editor, Bicycling

"I think your fairing's great. I would best describe it by saying it's like drafting behind a racer all the time. . . it reduces the wind chill effect by 10 to 15° F. In hilly Wisconsin where the wind comes in . . . irregular gusts, the fairing not only stabilizes and smooths out the ride but eliminates the wind pushing against my chest while retaining the exhilarating feel of the wind whistling through my hair."

Dan Thomas, Waukesha, Wi.

"Gives a cyclist a heightened "vehicular presence", making traffic riding safer . . . St. Louis winters are wet, windy and cold: and I've guessed I'm about 1/3 warmer behind your device."

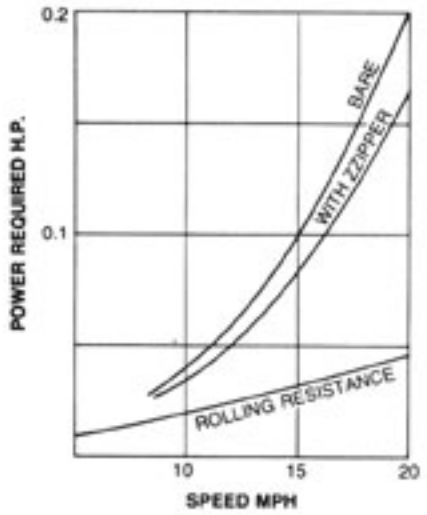
David Swimmer, St. Louis, Mo.

ZIP DESIGNS

458 Thayer Road Bonny Doon CA 95060

Air Drag

Air drag becomes the major power consumer on a bicycle at only 10 mph. At 20 mph at least 80 percent of a rider's power is consumed by air drag. Reducing air drag is therefore the most effective method of reducing pedaling effort except when climbing.

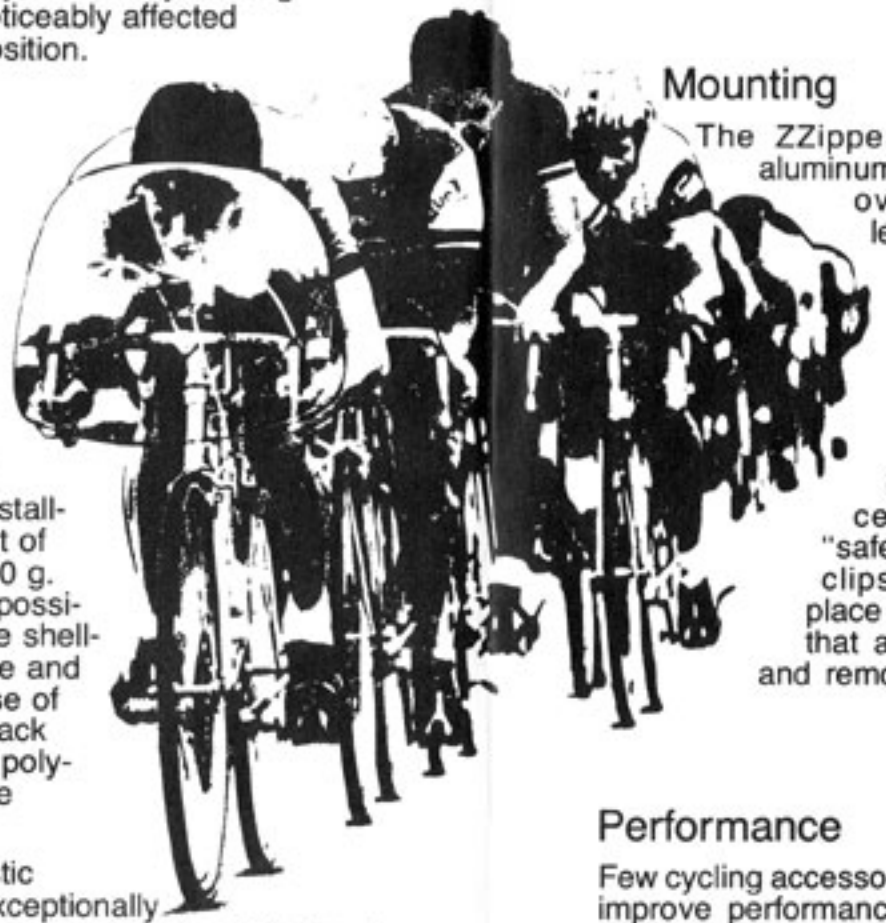


Unfair Advantage

Fairings are an "unfair advantage" and are not allowed in sanctioned racing events. The Zzipper road fairing gives the long distance rider and tourist the same "unfair advantage" over ordinary bicycles. Developed through thousands of miles of riding with many design variations, the Zzipper combines effective drag reduction with light weight and good handling qualities.

Comfortable Riding Position

The Zzipper is effective in reducing drag with the rider in a moderately crouched position, looking over the top of the fairing. In this position, coasting tests have shown a drag reduction of over 20 percent. A more extreme, chin on the gooseneck, position is neither comfortable nor necessary, and body cooling is not noticeably affected in any position.



Light and Tough

A total installed weight of under 400 g. is made possible by the shell-like shape and by the use of tough, crack resistant polycarbonate plastic.

This plastic is also exceptionally clear, giving an unobstructed view of road hazards and the wheel ahead.

Good Handling

The Zzipper has good handling qualities, producing little or no handling change below 30 mph. At higher downhill speeds, stability seems to be somewhat increased compared to the bare bicycle. While experience to date has shown minimal response to crosswinds and gusts, caution should always be used when riding in high winds.

Mounting

The ZZipper mounts with aluminum clips that hook over the brake lever hoods without restricting the use of the brakes. The mounting clips are easily adjusted for all drop bars and brake levers except those with "safety levers." The clips are held in place by velcro straps that allow installation and removal in seconds without tools.

Performance

Few cycling accessories can claim to improve performance. The ZZipper makes a difference you can really feel!

It's the next best thing to a tailwind!