

SPECIAL: 23-PAGE PARTS GUIDE

MOUNTAIN BIKE

A SUPPLEMENT
TO RODALE INC.
JUNE 2006

RIDE WITH
YOUR IPOD—
AND DIE!
(p. 34)

81 Hot New Wheels, Brakes, Forks, Tires... and More

Tested!

PLUS:

- > BEST DEALS
- > CUSTOM UPGRADES
- > COOL TECH

AMERICA'S FASTEST RIDER

IT'S NOT WHO YOU THINK

HUCK YOUR BIKE (SAFELY)

FREE HOW-TO VIDEO! (p. 76)



A few of the 81 items reviewed in this issue. See the rest starting on p. 47.

● **What You're Looking At**
ELLSWORTH EPIPHANY
FRAME CUTAWAY

● **Why**

This is the reason Ellsworth's Epiphany frame is so light. A drawn, seamless piece of aluminum is externally shaped and internally butted to create a strong yet light head tube. Look carefully and you'll see butting of the top and down tubes that starts thick at the weld junction and gradually tapers off to a fraction of that thickness in the middle of the tube, where there's less stress. More obvious is the swaging of the tubes that, like butting, add strength where it's needed. Other examples of these techniques, and a few other tricks, are found elsewhere on the Epiphany, milking out muscle and reducing mass. **More info at ellsworth.com and on page 75.**