

ROCK SHOX

1996



401 charcol ave.
san jose, ca 95131
1.800.677.1177



judy forks

have these features in common:

- compression damping adjustment
- Judy Jax skewerless system
- aluminum preload adjuster knobs
- Forged 6000 Series aluminum crown
- Easton aluminum upper tubes
- die-cast magnesium legs
- magnesium fork brace

judy xc

high performance
3.25 lbs* 60mm travel
bolt-on crown 4130 steerer
nickelite leg and brace color

judy sl

superlight, high performance
2.8 lbs.* 60mm travel
lightweight press-on crown
aluminum taperwall steerer
light 28mm taperwall upper tubes
machined lower tubes
yellow leg and brace color

judy dh

downhill racing
3.5 lbs.* 80mm travel
heavy duty bolt-on crown 4130 steerer
dual cartridge system
separate fully adjustable compression and
rebound damping cartridges
red leg and brace color



quadra 5

elastomer fork

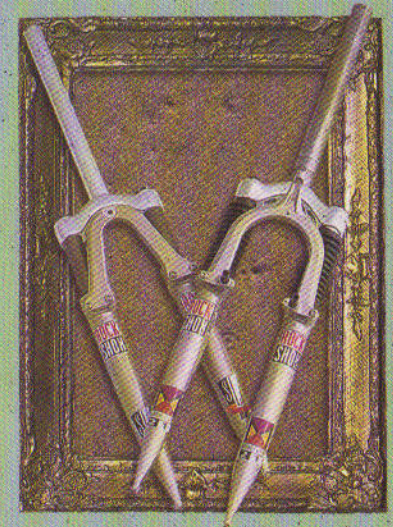
3.2 lbs.*
48mm travel
press-on crown
mag legs
aluminum brace
external preload adjuster knobs
neon grey legs with black-brace



quadra 2lr

mcu spring system

3.2 lbs.*
60mm travel
external preload adjuster knobs
mag legs
aluminum brace
Judy Jax
bolt-on crown
yellow legs and brace color



paris-roubaix

road bike
air/oil system

2.3 lbs. with ti steerer*
30mm travel
external damping adjuster knobs
with full lockout
bolt-on crown
mag brace
mag legs
Easton uppers
steel or ti threaded or
aluminum threadless steerer
ti hardware
nickelite legs and brace color

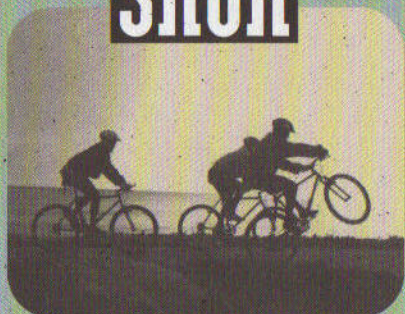
mag 2l

mountain bike
air/oil system

3.3 lbs.*
48mm travel
external damping adjuster knobs
bolt-on crown
aluminum brace
mag legs
4130 upper tubes
steel steerer
fully adjustable compression
and rebound damping
optional long-travel
nickelite legs and brace color

*all weights based on 1" x 140mm crown/steerer

ROCK SHOX



suspension: the basics

So what makes up a suspension fork anyway? ... **You've got the spring and you've got the damper.**

A **spring** is something that supports your weight and isolates your body and your bike from sudden impacts caused by rocks, curbs, bumps, holes, small animals and other riders. Springs come in different forms such as coil springs, leaf springs, air springs and elastomer springs. When a spring compresses, it stores energy. When it releases energy, it expands at an uncontrolled speed.

Enter the **damper**. The damper controls the speed of compression and rebound by passing oil through a valve (picture that thing on your screen door that keeps it from slamming). Adjusting the damper allows you to change the rate in which the spring compresses and releases. This allows you to tune your fork to your needs. Simple, right? Right.

Springs are adjustable, 'cuz no two riders are the same. All springs can be adjusted to your specific weight and riding style. For example, air springs are adjusted with oil level and air pressure. Other types of springs are adjustable through preload and spring selection.

What is preload? Preload puts tension on the spring before it's activated. A heavier rider would add preload (making the fork stiffer), whereas a lighter rider might prefer less preload (making the fork softer).

Then there's travel. **Travel** is the total amount of controlled movement your suspension component can offer.

So that's the skinny. RockShox builds the best performing suspension forks for your money. Really. **Now all you have to do is to decide which system will work best for you. Read on for more details.**

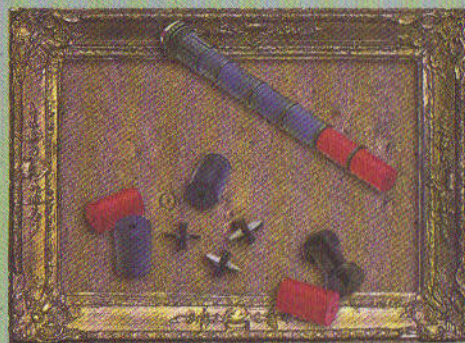


the judy system

The beauty of Judy is that it combines the simplicity of an MCU spring with performance of an oil damper. But now the oil is contained in its own separate and removable cartridge making it easy to tune and easy to service. Judy is modular so you can make lots of adjustments like the spring rate, the preload, the damping. Even the travel can be adjusted by swapping the stock cartridge for one of our option kits. It's easy. That's Judy. You just gotta try it.

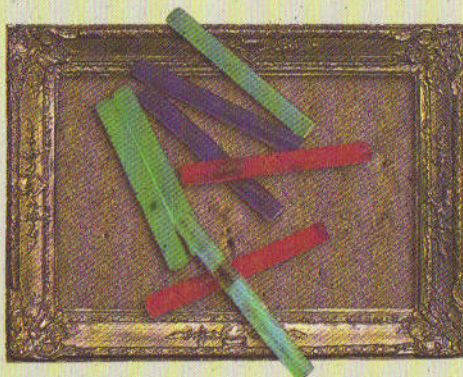
elastomer system

Elastomer forks are the most simple suspension forks. The spring material (a single, long, solid urethane elastomer that's kind of like a piece of licorice) also provides the damping so you won't need to do lots of maintenance. The Quadra 5 has a preload adjuster knob and four choices of elastomers so you can match your spring to your body weight. The stock purple elastomer is for riders weighing about 150-170 lbs. The red is a softer spring for lighter riders and the green is stiffer for those heartier riders weighing over 170. The clear-turquoise elastomer is a special cold weather spring. Use it only when the temperature is below 40 degrees. 'Cuz sometimes you just gotta ride...



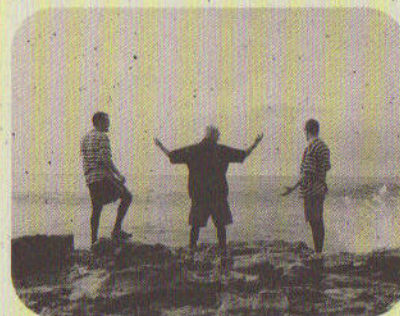
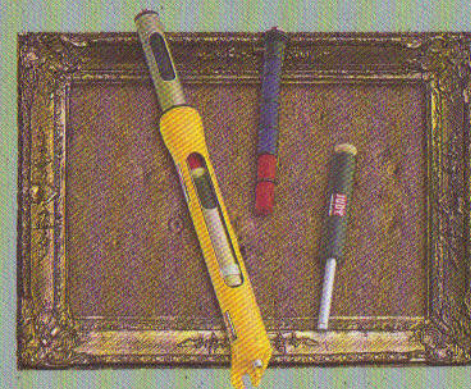
mcu system

What is it? Six small spongelike springs - that's Micro Cellular Urethane (MCU) springs - held together in a stack by plastic connectors called Judy Jax. Meet the Quadra 21R. Like the Quadra 5, preload is externally adjustable, but there are differences. As a combined spring and damper system, MCUs out-perform other elastomers. MCUs weigh less. They work better on big hits, yet they still absorb the small, bumpy stuff. And they are much less temperature sensitive. The Quadra 21R's longer travel (2-1/2 inches) is a bonus and you can tune it more precisely than the Quadra 5. End result... a smoother ride. Voted best suspension fork for the money (or something like that) by those magazine people who are always in the know...



air/oil system

Hydraulic damping... don't let it scare you. It really works and it's not just for motorcycles. The Mag 21 (mountain bike fork) and the Paris-Roubaix (road bike fork) both use compressed air as the spring, and oil as the damper. It's not scary at all - it's lightweight and easy to tune. You can adjust the spring by adding or releasing air with a special pump that comes with your fork. You can further tune the fork by increasing or decreasing the oil level. The hydraulic damping system forces oil through an adjustable valve which precisely controls the compression and rebound rate of the air spring. You can adjust the compression damping on both forks and completely lock out the suspension (for sprints and climbs) on the Paris-Roubaix fork. Air spring, oil damper. Race performance at an affordable price.



The Judy system is available in three models:

- Judy XC for high performance, off-road riding and racing
- Judy SL for super light, high performance
- Judy DH with longer travel and dual cartridges for downhill racing.

Now that you know more about suspension, making the right purchase will be easy. Ask for RockShox, always the leader in suspension.

ROCK SHOX