

What Makes a 1x System?

(vs. 2x9 or 3x8)

COMPARISON CHART

PRIME 9™



SRAM. SHIMANO

box one
TOP OF THE LINE

box two
PERFORMANCE

box three
PERFORMANCE + VALUE

box four
VALUE

Their 1x Solution 10, 11 & 12-Speed

Our 1x Solution 9-Speed

Our Other 1x Solution 8-Speed

Right Side Shifter Only



- No more left shifter.
- Cleans up your handlebars.
- Simpler operation.
- No overlapping ratios.

- Added more gears.

- Didn't add gears.

- Didn't add gears.

Rear Derailleur With Clutch



- No more front derailleur
- Wide (long) cage to handle the extra range of the cassette.
- Clutch to reduce chain slap caused by the wide cage.

Wide Range Cassette



- Bigger cogs are required to make up for the range lost by dropping the front derailleur.
- More range for steeper climbs.

- Added more cogs to get more range.
- Made the cogs thinner and put them closer together to make them all fit in the same space.

- Didn't add more cogs.
- Just made some cogs bigger.
- Kept the same cog thickness and spacing.

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Correct Width Chain



- Slim enough on the outside to fit between all the cogs.
- Slim enough on the inside to mate with a chainring.

- Made the chain slimmer and slimmer to fit the now more crowded cassette.

- Didn't make our chain slimmer on the outside.
- Made it slimmer on the inside.

- Didn't make our chain slimmer on the outside.
- Made it slimmer on the inside.

Wide-Narrow Chainring



- Special tooth profiles to retain the chain now that there is no front derailleur to do that.
- Correct thickness to mate with the chain.

- Made the chainring slimmer and slimmer to fit the chain.

- Uses any readily available 3rd party 11-speed wide/narrow chain ring.

- We designed the first and so far only wide-narrow 8-speed chainring.
- Thicker than a 9, 10, 11, 12 speed.