

# MODEL N360 NuVinci® CVP

The award-winning *NuVinci* Continuously Variable Planetary (CVP) has revolutionized drivetrain technology with a new class of highly adaptable and scalable continuously variable transmission (CVT). Transmitting mechanical power with spheres instead of gears, the *NuVinci* CVP has proven to be the perfect replacement for bicycle derailleurs and internally geared hubs.

The next generation *NuVinci* CVP, the N360, takes the smooth revolution to a new level. Significantly lighter and smaller, the N360 gains shifting improvements that have no industry rival. Shift effort is significantly reduced, even under high pedal forces. In addition, the amount of shift grip rotation is reduced for a more direct feel. The shifter display now includes a rider on the hill, and the new hub interface enables shifting inboard of the frame dropout.

N360-equipped bicycles offer riders the quietest, most comfortable ride ever. No more missed shifts, dropped gears, hesitation, or gear lash. Adjusting ratio to the terrain and the individual's riding style is as effortless as adjusting the volume on a radio. It's the perfect drivetrain for those looking for a smoother, simpler, more enjoyable ride, and for anyone ready to move beyond the limitations of conventional shifting.

**Nothing Shifts Like *NuVinci*.**



[www.nuvinci.com](http://www.nuvinci.com)

# N360

Over 30%  
Weight Reduction

Shifting Occurs  
Inboard of  
Frame Dropout

50% Less  
Twist Rotation

17% Smaller Diameter

360% Ratio Range

Easier Shifting Under Load

## NuVinci N360 Features:

- Design advancements have yielded a CVP that is over 30% lighter and 17% smaller in diameter than its predecessor.
- Easiest, smoothest shifting ever. The rider is always in the optimum ratio, with no hesitation or interruption of power transfer.
- Simple and improved shifter enables easy, continuously variable ratio adjustments. Low to high ratio is now less than one revolution of the grip.
- Improved and lighter design makes the N360 ideal for a wider range of bicycle styles... from comfort/cruiser, commuter, and hybrid bicycles to mountain bikes.
- A perfect match for pedal-assist bicycles with chassis-mounted or front hub motors, eliminating abrupt changes in motor speed and drivetrain lash.
- World class reliability, durability, and quality.

# Nothing Shifts Like NuVinci.

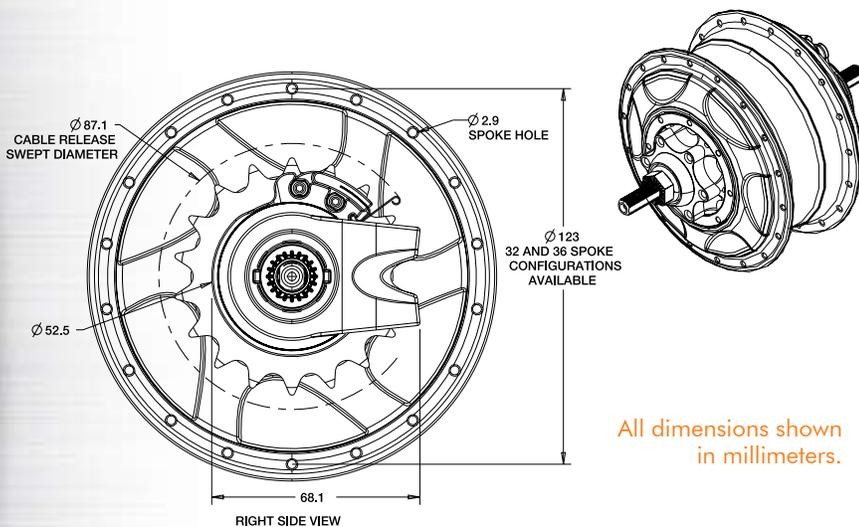
The first generation of the NuVinci CVP was an industry-changing innovation: a CVT that also functions like a planetary gear set. Using a set of spheres to transfer power, the CVP ratio is changed by tilting the axes of the spheres with respect to internal input and output traction rings.

The N360 improves on this innovative formula by further capitalizing on the principles of NuVinci technology. Nominal ratio range is now 360%, and the number of spheres has been reduced from eight to six. The revolutionary N360 is over 30% lighter than the previous design, with a 17% smaller overall diameter.

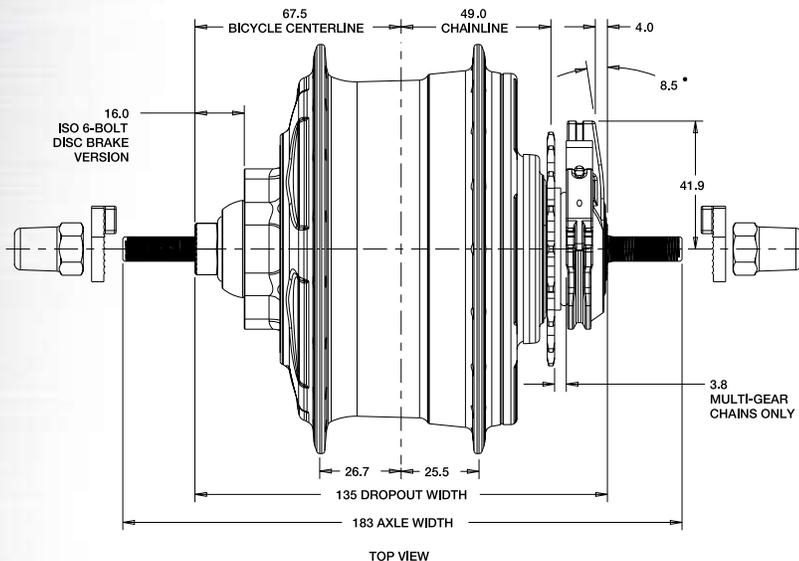
The shifting experience has always been a key selling point of the NuVinci CVP, and the advances of the N360 make the smoothest shifting bicycle drivetrain even smoother. A redesigned shifter and its unique NuVinci "inchworm" display now include a rider that intuitively conveys how the system functions (uphill indicates lower ratio; downhill indicates higher ratio). Shift effort under pedal torque is even better than before, so riders can shift at any time, in practically any condition. Controller twist rotation from low to high ratio is reduced 50%, allowing easier and faster shifting. Finally, the hub interface of the NuVinci CVP is now housed inboard of the frame drop-out for better protection and elegant appearance.

The result is a drivetrain that offers a smooth, seamless and continuous transition to any ratio within its range, maximizing overall rider / bicycle efficiency. This total control provides an even smoother ride that is unlike any other drivetrain!

## CVP Dimensions



All dimensions shown in millimeters.

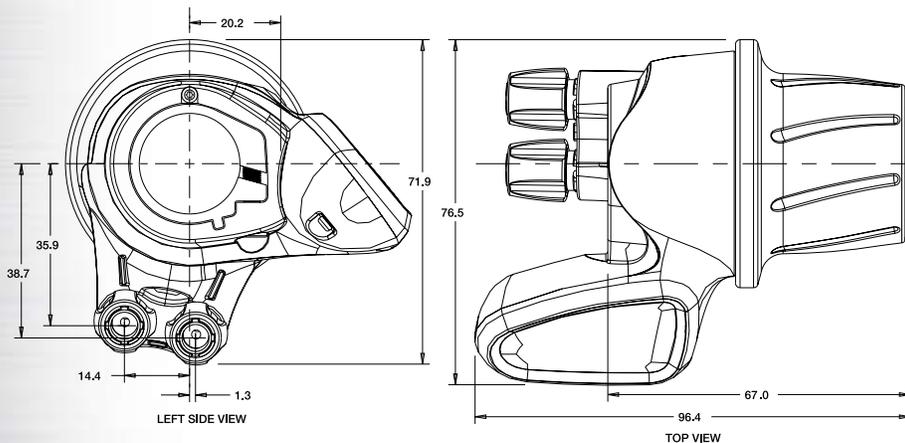


## Specifications

Hub Colors	Silver or Black
Spoke Configurations	32 or 36 Hole
Brake Configurations	Disc, Rim or Roller
CVP Weight	2450 grams
Speed Ratio	Infinitely Variable within Ratio Range
Ratio Range	360% Nominal (0.5 Underdrive to 1.8 Overdrive)
Shifting	Variable Twist Grip, 3/4 Turn
Drop-out	135mm Wide, Horizontal or Vertical
Chainline*	49.0 ± 0.5mm
Sprockets	17-22 Tooth Supported (standard 9-spline, not included)
Sprocket Ratio	1.8:1 Minimum (17/31, 18/33, 19/35, 20/36, 21/38, 22/40, larger chainrings can be used without exception)
Corrosion Resistance	ISO 9227, Neutral Salt Spray, 384 Hours

\* Contact Fallbrook for belt drive compatibility.

## Shifter Dimensions



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