

**New!**



# CYCLOID SHC (FC-RS510)

Super Hill Climb

— Ultra-high performance chainring, with superior functionality to any other ovals —  
— For Shimano crank —



Shimano FC-RS510 50T  
×  
Sugino CY4-SHC 32T

New addition to **CYCLOID SHC** series, for Shimano **"FC-RS510"** crank. We offer super small **32T** which provides optimal low gearing for hill climbs.



## CY4-SHC (FC-RS510)

Type	Double (Inner)
P.C.D.	110mm (Shimano 4 bolts)
Teeth	32T (for 50T) <b>50-32T</b>
Compatible Cranks	Shimano 11-speed ·FC-RS510
Color	●Black

**For FC-RS510 only, not compatible with other cranks.**

- \*Shimano crank and outer chainring are not included.
- \*Use the specified tooth configuration with genuine Shimano outer ring.
- \*For Shimano 11-speed chain.
- \*Some gearing setup numerically exceeds front derailleur capacity. However, CY4-SHC series are designed for Shimano cranks and work perfectly fine with corresponding Shimano cranks.

### #804 for SHIMANO



Replacing bolts with **Special bolts for CY4-SHC to save more weight.**

High-strength aluminum alloy torx bolts, more durable than a standard alloy bolt.

Color : ●Silver ●Black

### ① CYCLOID II mechanism

CYCLOID 2 is a **non-circular chainring** developed uniquely by Sugino. **Autofocus mechanism** incorporating special teeth design enhances features of the non-circular ring.

#### Non-circular chainring

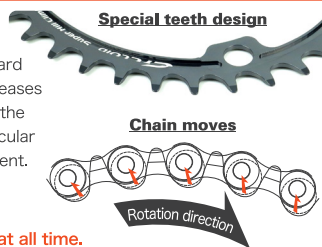
Different features and appearance from circular ring. It increases the diameter during the power phase, while the diameter is minimized at the top and bottom dead points to allow quick spinning. It provides more efficient pedal rotation.



#### Autofocus mechanism

When forth is applied to pedal, chain moves outward and runs higher on the ring. You feel the ring increases the diameter. As amount of moving fluctuates by the force applied, it maximizes the benefits of non-circular ring and assists your pedal stroke to remain efficient.

- No need of pedal stroke analysis to identify peak point and mounting position.
- Smooth and efficient pedaling are ensured at all time.



### ② Shifting performance

Perfect shifting performance without the feeling of it being oval. No dropped chain and no need to run a chainwatcher.

### ③ Super Hill Climb

**Special design, Ultralight, Super small ring** helps climb steeper hills effectively. CNC machined from super high-strength aluminum, extremely rigid, yet lightweight, offer benefits when climbing and riding long distances.

#### FC-RS510 equipped models from major bike brands

- |  |  |
|--|--|
| <b>GIANT</b><br>· CONTENT AR 1<br>· CONTENT 0<br>· DEFY ADVANCED 2 | <b>PINARELLO</b><br>· RAZHA DISK Carbon T600<br>· PARIS DISK Carbon T600 UD  |
| <b>Bianchi</b><br>· SPRINT<br>· VIA NIRONE 7                       | <b>MERIDA</b><br>· SCULTURA 5000<br>· SCULTURA 4000<br>· SCULTURA 400<br>· SCULTURA RIM 400<br>· SCULTURA ENDURANCE 5000<br>· SCULTURA ENDURANCE 4000<br>· REACTO 5000 |
| <b>Cannondale</b><br>· Synapse Carbon 3 L                          |  |

