

**New!**



# CYCLOID SHC for 52T

Super Hill Climb

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



Shimano 11-speed 52T  
×  
Sugino CY4-SHC 33T

New addition to **CYCLOID SHC** series, for Shimano 52T (\*the existing model is for 50T).  
We offer standard 36T and super small 33T which provides optimal low gearing for hill climbs.



## CY4-SHC

Type	Double (Inner)	
P.C.D.	110mm (Shimano)	52-36T 52-33T
Teeth	33, 36T (for 52T) <b>New!</b> 32, 34T (for 50T)	50-34T 50-32T
Compatible Cranks	Shimano 11-speed •FC-R9100 / 9000 (DURA-ACE) •FC-R8000 / 6800 (ULTEGRA) •FC-R7000 / 5800 (105)	
Color	● Red, ● Dark gray	

**FC-RS510** which is 11-speed crankset with equivalent features to 105 is not compatible with CY4-SHC.

- \*Shimano crank and outer chainring are not included.
- \*Use the specified tooth configuration with genuine Shimano outer ring.
- \*For Shimano 11-speed chain.
- \*A 50-32T configuration numerically exceeds front derailleur capacity. However, the chain is being shifted when the inner ring is equivalent to 34T. So, the derailleur function and shifting performance won't be diminished. The same is the case with a 52-33T, shifting occurs when the inner ring is equivalent to 36T.

### #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.

● Silver ● Black

### ① CYCLOID II mechanism

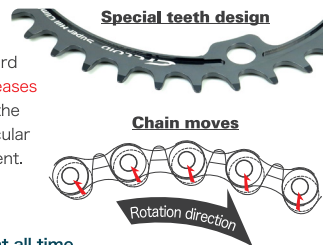
CYCLOID 2 is a non-circular chainring developed uniquely by Sugino. **Autofocus mechanism** incorporating special teeth design enhances features of the non-circular ring.

**Non-circular ring** : 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.

