

# New!



## CAPACITY BOOSTER 12S ZERO FRICTION



Check out Video on YouTube!

“ZERO FRICTION” is New Race-Spec version of CAPACITY BOOSTER!

It's distinguished from the existing version by featuring super smooth full ceramic bearings and champagne gold bearing covers.



### CAPACITY BOOSTER ZF 12S DA CAPACITY BOOSTER ZF 12S UL/105

Bearing	Full ceramic
Teeth	Guide pulley 12T Tension pulley 16T
Compatible Derailleur	Shimano 12-speed <b>DA version</b> •RD-R9250 (DURA-ACE) <b>UL/105 version</b> •RD-R8150 (ULTEGRA) •RD-R7150/R7100 (105)
Finish	S3 coating



CY4-SHC 12S

Non-circular Super Hill Climb Chainring

### ZERO FRICTION

Non-metallic full ceramic bearing, lubricated with an optimal dry lubricant can reduce the friction to practically zero and enable super smooth rotation.

(\*Its basic features and compatibility are the same as CAPACITY BOOSTER.)

#### Easy implementation

- ✓ No need to change the cage on Shimano derailleur !
- ✓ No need to change chain length !

The capacity can be increased without the need of a special cage. Also, there's no need to add links to the chain. Thus, you can cut down on unnecessary spending and time.

(\*Please determine the correct chain length according to Shimano instructions.)

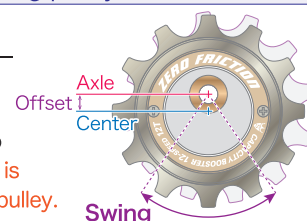
- ✓ Discover advantages of using big pulley !

The high performance big pulley (see below) is also a great option for Shimano original front gears for enhancing overall performance even without using CY4-SHC.

#### High-performance big pulley

##### ► Swing Eccentric Mechanism

As the axle is fixed eccentrically, the pulley resonates with the motion of the rear derailleur and adjusts its position to cassette cogs automatically. So, shifting is just as accurate as it is with the original pulley.



##### ► Friction resistance (S3 coating)

S3 combines high hardness with super low friction coefficient which is less than half that of the titanium coating. It realizes super smooth disengagement with the chain and suppresses general noises occurring due to the running of the chain on metal pulleys.



##### ► Rotation performance

The bigger pulleys require less rotation and won't bend the chain as much. So, the chain can run with less friction. Thus, the ceramic bearing can fully exhibit its performance.

#### 12-SPEED Compatibility Table

##### CHAINWHEEL

DURA-ACE FC-R9200	52T	CY4-SHC 12S - 36T
ULTEGRA FC-R8100	52T	CY4-SHC 12S - 33T
105 FC-R7100	50T	CY4-SHC 12S - 34T
	50T	CY4-SHC 12S - 32T
FC-RS520	50T	CY4-SHC 12S-RS520 - 32T

##### REAR DERAILLEUR

DURA-ACE RD-R9250	CAPACITY BOOSTER ZF 12S DA
ULTEGRA RD-R8150	CAPACITY BOOSTER 12S DA
105 RD-R7150 RD-R7100	CAPACITY BOOSTER ZF 12S UL/105
	CAPACITY BOOSTER 12S UL/105

- Use the specified tooth configuration with genuine Shimano outer chainring.
- Use genuine Shimano inner chainrings or CY4-SHC series.  
For inner 32T & 33T, CAPACITY BOOSTER is required.
- Shimano parts and CY4-SHC series are not included.



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without notice due to continual improvements.



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