TRiPEAK

UNI-CORE



ROCK-SOLID STABILITY EXPLOSIVE SPEED

UNI-CORE integrates both sides of the bottom bracket into a one-piece structure, enhancing spindle alignment and overall structural rigidity while minimizing misalignment and torsional flex caused by high-output pedaling. With a more stable core structure, UNI-CORE significantly improves crank spindle rotational stability, reducing friction

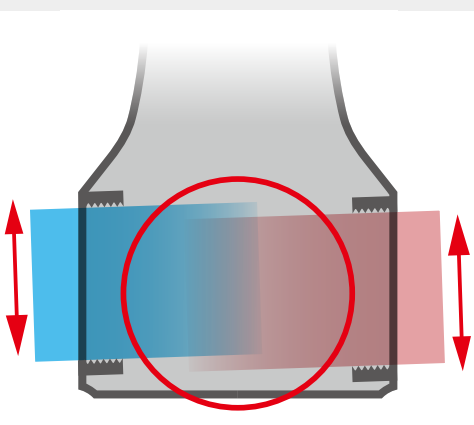
The one-piece core of UNI-CORE is engineered for faster, smoother, and more efficient pedaling performance. caused by torsional distortion and unleashing every pedal stroke into faster, smoother, and more explosive forward momentum.

WHY?
T47-PROVEN,BUT NOT PERFECT

The traditional two-piece BB structure still limits alignment precision.

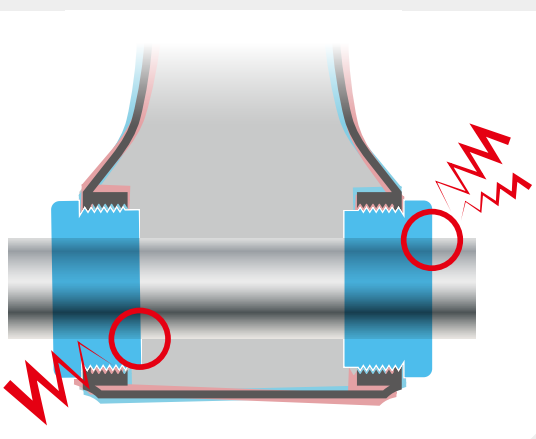
SEPARATED LEFT-RIGHT STRUCTURE

Susceptible to tolerance stack-up, reducing alignment precision.



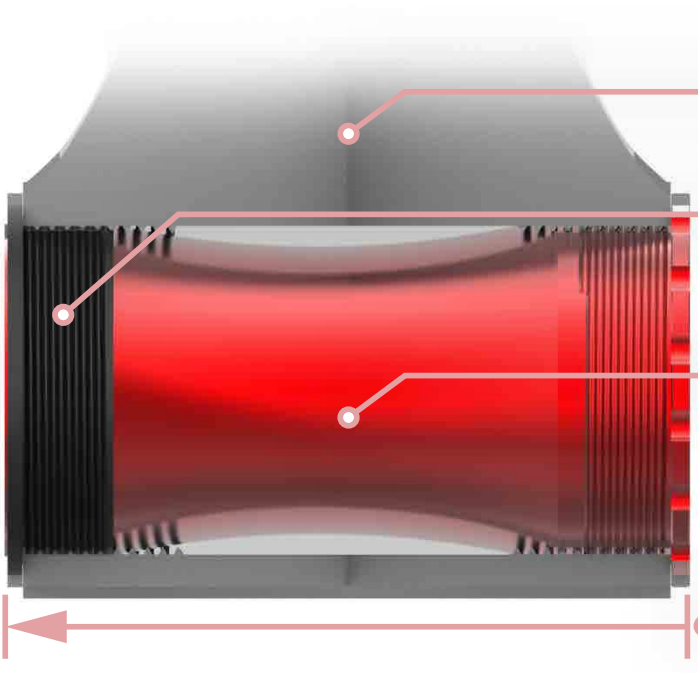
DISCONTINUOUS STRUCTURAL DESIGN

Potential deformation under high load, affecting efficiency and stability.



WHY?
STRUCTRAL EVOLUTION

Same T47 Frame. One-Piece BB Evolution.

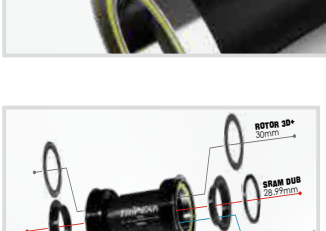


- **Standard T47 frame interface**
- **One-piece UNI-CORE bottom bracket body**
- **Drive-side single-side locking system**
- **Non-drive-side dedicated sleeve**
- **Threaded interface converted into a smooth press-fit support surface**
- **Non-drive side is compressed and secured as the BB is locked from the drive side**



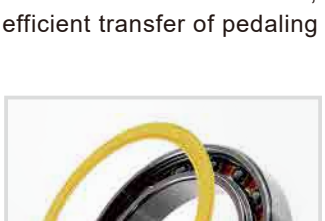
UNI-CORE

UNI-CORE is a one-piece bottom bracket architecture that integrates both sides into a unified structure, eliminating axis misalignment and torsional distortion common in split BB systems under high loads. By maximizing structural rigidity and axis consistency, UNI-CORE enables smoother rotation, lower resistance, and more efficient transfer of pedaling power into forward momentum.



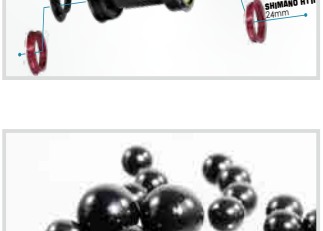
3 in 1 Core System

The 3 in 1 Core System BB set can accommodate for three different crank spindle specifications. Easily switch between different cranks without the need to change the Bottom Bracket.



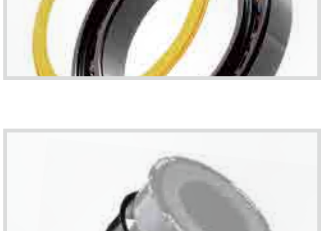
ZERO Contact Seal

ZERO Contact Seal – non-contact bearing seal design provides full coverage without added rotational resistance, optimizing efficiency and protection.



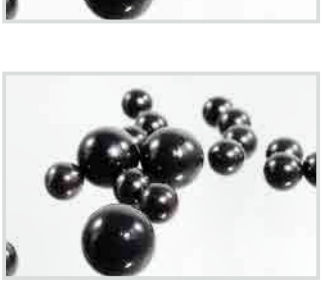
G3 Ceramic Balls

G3-grade perfectly round ceramic balls create lower rotational resistance,allowing your power better to convert to speed.



SUNG Fit

Patented plastic-steel bushing design protects Press-Fit BB shells from wear, while the snug fit eliminates noise and corrects bottom bracket tolerances.



G5 Ceramic Balls

The ceramic bearings utilize G5-grade ceramic balls and are paired with precisely machined steel race, delivering excellent rotational performance for riders.



ETERNA LV Fluid

Eterna Low Viscosity lubricant ensures durable, reliable, and silent rotation for ceramic bearing.



NC RACE

NC Race Bearings with Nano Coating on inner and outer races. Dry-film coating reduces friction to 0.03 (dynamic) / 0.07 (static) and extends service life by over 300%.



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