

OPW CAGE & PULLEY

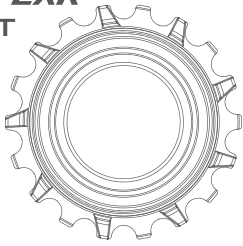
2025

STRUCTURE TECHNOLOGY

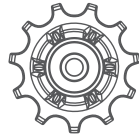
LOWER PULLEY TYPE



TRiPEAK
18T



ORIGINAL
11T



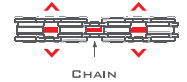
CHAIN INTO PULLEY



NARROW - WIDE WHEEL

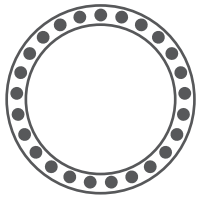


CHAIN INTO PULLEY
MORE SMOOTHLY



HIGH POSSIBILITY
OF CHAIN DROP

BEARING TYPE

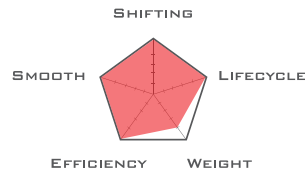


LARGE BEARING
35*42*5MM

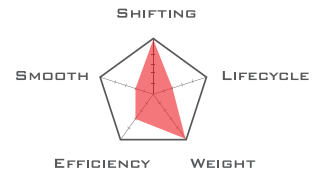


SMALL BEARING
6*19*6MM

RIDE PERF



TRiPEAK



ORIGINAL

JETSTREAM PRO

Jetstream Pro Series stands for Rotation Optimized Ceramic Technologies. Because it takes more than just ceramic balls to minimize friction and gain watts. It's about the composition of race, seal, lubricant and balls. Jetstream Pro Series delivers the right composition for the purpose. The JerStream Pro series offers exceptional efficiency and durability, backed by a reassuring four-year warranty for users.



G3 Ceramic Balls

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



NC RACE

NC Race Bearings have a Nano coating on outer & inner races, This dry film can minimize the coefficient of friction to as low as 0.03 dynamic, and 0.07 for static. The Nano Coating overcomes or reduces mechanical lubrication problems improving performance and extending service life >300%



SUPRA LV Fluid

Supra LV is a special Low Viscosity lubricant for the ceramic Pulley Bearings. It offers high flow characteristics for a fast and smooth operating environment. Easy to lubricate in maintenance without removing the seal of the bearing.



ZERO Contact Seal

ZERO Contact Seal, a non-contact bearing seal, provides complete coverage without increasing rotational resistance, striking the optimal balance between efficiency and protection.



G5 Ceramic Balls

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



P05

The TRiPEAK S-Series features P05 precision steel ball bearings, for reassuringly high smoothness and durability. 0.005 mm for eccentricity (out of roundness) of the track in the inner race. That's precise.



Aero Cover

All new aerodynamic cover wraps around the wind-facing side of the derailleur cage, offering superior aerodynamic efficiency. With a detachable design, installation is a breeze – just remove one screw. No need to replace the entire derailleur cage; riders can decide which cover to install it based on look or function.



Asymmetric Design

Developed by TRiPEAK, our patented asymmetric pulley frame design allows for an increase in tension pulley size to 18 teeth while seamlessly fitting into the original derailleur cage with minimal modifications, maximizing operational efficiency.



Hollow Frame

The hollow frame design of the pulley allows for a significant increase in bearing size, providing superior rotational performance and stable support for the 18T oversized pulley. The hollow fixed frame design substantially reduces the impact of any external object intrusion, ensuring consistent and reliable rotational performance at all times. Plus, it looks great!



18T Over Size Pulley

The 18T tension pulley design results in smoother chain movement. Compared to the original 11T derailleur pulleys, it reduces chain deflection angles and minimizes rotational resistance. Simultaneously adopting large-diameter bearings significantly enhances the smoothness and stability of the pedal performance.



Composite Injection Molding

Unlike traditional press-fit bearing pulleys, Tripeak's injection-molded pulley fully encases its bearing, ensuring a perfect zero-tolerance fit between pulley body and bearing. The composite material of the pulley body enhances its wear resistance, resulting in quieter and more efficient operation. Compared to traditional aluminum pulleys, it significantly extends the lifespan of both pulley and chain.



Narrow-Wide Tooth Profile

The Narrow-wide Tooth Design allows the pulley to better engage with the chain, significantly improving operational stability.

JETSTREAM PRO



AERO WING OPW CAGE



The redesigned cage plate ensures stable support for the 18T oversized pulley, providing a smooth operational space. It incorporates a blend of alloy and carbon plates, striking an ideal balance between lightweight construction and stability.

The Aero Wing OPW Cage comes with an integrated Aero Cover. It reduces the drag and provides better aerodynamic performance.

AERO-WING 92

Compatible with

Shimano 12S DURA ACE R92XX
 11S DURA ACE R91XX
 12S ULTEGRA R81XX
 11S ULTEGRA R80XX

Model.	SL	AL
Guide Pulley	12T	12T
Tension Pulley	18T	18T
Outer Plate	Carbon	Alloy 6061
Inner Plate	Alloy 6061	Alloy 6061
Weight	100g	105g

Color Option



*Color parts sold separately.



SL



AL

AERO-WING 71

Compatible with

Shimano 12S 105 R71XX
 11S 105 R70XX

Model.	SL	AL
Guide Pulley	12T	12T
Tension Pulley	18T	18T
Outer Plate	Carbon	Alloy 6061
Inner Plate	Alloy 6061	Alloy 6061
Weight	100g	105g

Color Option



*Color parts sold separately.



SL



AL

AERO-WING AXS

Compatible with

SRAM RED E-TAP AXS
 FORCE E-TAP AXS
 RIVAL E-TAP AXS

Model.	SL	AL
Guide Pulley	12T	12T
Tension Pulley	18T	18T
Outer Plate	Carbon	Alloy 6061
Inner Plate	Alloy 6061	Alloy 6061
Weight	101g	106g

Color Option



*Color parts sold separately.



SL



AL

Carbon Aero Cover for AERO WING SL.
 Transparent PP Aero Cover for AERO WING AL.

Note: Please Do Not remove the Aero Cover from the Aero Wing OPW Cage for a better performance.

JETSTREAM PRO



^ SYMMETRIC O VER-SIZE P ULLEY W HHEEL

Before AOPW, the intricate process of upgrading to oversized pulley wheels made it challenging for enthusiasts to dive in.

AOPW simplifies it all. With just a common hex wrench, you can effortlessly swap to the larger 18T AOPW. No need to fuss with adjusting chain length*

Install AOPW
hit the road
for an immediate experience
smooth & high speed!

* After installation, it is still necessary to check the chain length and B-tension spacing.

Default Standard Cage (Shimano / SRAM)

Same chain length

Molded Composite Material

For superior durability than metal ones

Patented Stopper Pin

Easy installation

Over Size Ceramic Bearing

Longer lifespan



AOPW 92

Compatible with
Shimano DURA ACE R92XX
Tooth : 12 / 18T



AOPW 81 // 71

Compatible with
Shimano ULTEGRA R81XX // 105 R71XX
Tooth : 12 / 18T



AOPW 91

Compatible with
Shimano DURA ACE R91XX
Tooth : 12 / 18T



AOPW 80 // 70

Compatible with
Shimano ULTEGRA R80XX // 105 R70XX
Tooth : 12 / 18T



AOPW 68

Compatible with
Shimano ULTEGRA 68XX-SGS
Tooth : 11 / 18T



AOPW GRX 2X

Compatible with
Shimano GRX RX810 // 815
Tooth : 11 / 18T



AOPW GRX 1X

Compatible with
Shimano GRX RX812
Tooth : 11 / 18T



AOPW XT

Compatible with
Shimano XT M81XX SGS
Tooth : 13 / 18T



AOPW AXS

Compatible with
SRAM FORCE AXS // RIVAL AXS
Tooth : 12 / 18T



AOPW E-TAP

Compatible with
SRAM RED E-TAP
Tooth : 11 / 18T



AOPW EAG

Compatible with
SRAM EAGLE // EAGLE AXS
Tooth : 12 / 18T



AOPW XPLR

Compatible with
SRAM E-TAP AXS XPLR RED // FORCE // RIVAL
Tooth : 12 / 18T



AOPW T-TYPE

Compatible with
SRAM Eagle AXS T-Type series
Tooth : 14 / 18T



AOPW RED E-1

Compatible with
SRAM AXS RED E-1
Tooth : 12 / 18T





- Pulley Set -



UPPER 11T / LOWER 11T





Shimano 

- * Road (12S) 92xx / 81xx series compatible
- * Bearing type : Steel / Ceramic
- * Color : 
- * Same as default standard.

UPPER 12T / LOWER 14T





Shimano 

- * Road (12S) 92xx / 81xx series compatible
- * Bearing type : Steel / Ceramic
- * Color : 
- * Enlarge tension pulley / Lower friction.
- * Narrow-Wide tooth / Better shifting performance.

UPPER 13T / LOWER 13T





Shimano 

- * MTB RD-M9100 / RD-M9120 (12S) compatible
- * Bearing type : Steel / Ceramic
- * Color : 
- * Same as default standard.

UPPER 11T / LOWER 13T




Shimano 


- * Shimano GRX/XT 11 Speed compatible
- * Bearing type : Steel / Ceramic
- * Color : 
- * Same as default standard



UPPER 11T / LOWER 11T
Tooth (Long)



SRAM 

- * Road (10S / 11S) rear gear compatible
- * Bearing type : Steel / Ceramic
- * Color : 
- * Same as default standard.

UPPER 12T / LOWER 14T



SRAM 

- * MTB Eagle XX1 / X01 / GX (1x12) compatible
- * Bearing type : Steel / Ceramic
- * Color : 
- * Enlarge tension pulley / Lower friction.
- * Narrow-Wide tooth / Better shifting performance.

UPPER 12T / LOWER 12T



SRAM 

- * MTB & Road XX1 / X01 / X1 / GX (1x11) Rival 1 / Force 1 compatible
- * Bearing type : Steel / Ceramic
- * Color : 
- * Enlarge tension pulley / Lower friction.
- * Narrow-Wide tooth / Better shifting performance.

UPPER 12T / LOWER 14T




SRAM 

- * Road E-Tap AXS (12S) Eagle XX1/X01 AXS compatible.
- * Bearing type : Ceramic
- * Color : 
- * Enlarge tension pulley / Lower friction.
- * Narrow-Wide tooth / Better shifting performance.

UPPER 12T / LOWER 12T





SRAM 

- * Road E-Tap AXS (12S) compatible.
- * Bearing type : Ceramic
- * Color : 
- * Same as default standard.

UPPER 14T / LOWER 16T



SRAM 

- * Eagle T-Type 12 Speed compatible.
- * Red XPLR AXS 13 Speed compatible.
- * Bearing type : Steel / Ceramic
- * Color : 
- * Enlarge tension pulley / Lower friction.
- * Narrow-Wide tooth / Better shifting performance.



TEL:+886-4-2463-6319

FAX:+886-4-2463-6382

WEB:<https://tripeakbearing.com/>

ADD:1F., No. 30, Hongfu 1st Ln., Sec. 3, Xitun Rd., Xitun Dist., Taichung City 40764, Taiwan (R.O.C.)

